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America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

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THE NATIONAL FLOWER SHOW.

Grand exhibition of plants, cut flowers and floral art work to be held in Chicago, November 6-15 inclusive, 1908. Wm. F. Kasting, Buffalo, N. Y., is chairman of the general committee in charge and the chairman of the sub-committees are as follows:

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AMERICAN CARNATION SOCIETY.

Seventeenth Annual Meeting, Washington, D. C., January 28-29, 1908.

The seventh annual meeting and exhibition of the American Carnation Society opened at the National Rifles hall, Washington, D. C., January 28. There was an excellent attendance and the exhibits of carnations from all over the country were never better. In the opening address, Peter Bissett, vice-president

President-Elect M. A. Patten.

of the society, said: "I take this opportunity to welcome you to our city. A year ago when in Toronto we asked that you hold your next meeting in the city of Washington. We promised at that time we would do all in our power to make the visit both pleasant and profitable to you. We are very glad that you have accepted our invitation. We rejoice at your coming, and also congratulate you upon the work of the city. The exhibition downstairs is a credit to this organization and shows what it is doing. I am no speaker, but we have here a gentleman who can talk, a gentleman who stands for and has had much to do with the advancement of the city of Washington—a gentleman always ready to do whatever he can for the advancement of our city and the interest of mankind in general. He will address you in words befitting the occasion. It therefore gives me much pleasure to introduce to you Mr. McFarland, commissioner of the District of Columbia.

Commissioner McFarland said: "We of the government of the District of Columbia are most happy to offer the American Carnation Society a happy welcome. We are very glad to welcome to Washington, the national capital of the United States, a society whose membership includes Canadians as well as natives of the United States, under the name of Americans, for we believe that all Canadians and men of the United States are brothers, and we hope and trust that the friends from over the border will feel just as much at home as the representatives from our country. Personally, I am especially glad to welcome the men of Canada.

"We here are welcoming you on the eve of the birthday of President William H. McKinley, whose memory is to be kept alive in the years to come by the carnation, as well as by the written words. It is most interesting and most fortunate that you represent the only flower which is associated with any American statesman. The primrose of England keeps fresh the memory of that most eminent statesman, Lord Beaconsfield, who loved that flower, and to-morrow all over Washington you will see the carnation, representing the affection and the admiration of his people for that good, great and gentle president, who was held in such honor all over the country and all over the world. We who knew him personally remember that he always had a carnation. We remember that in Buffalo, when we saw him just before the end, he had the carnation then. It is a great mystery that a man of his nature should have been sacrificed as a martyr to liberty and to righteous law; but his fame is secure and his place as secure, and

every one of us, when we look at the carnation, must be grateful for the great service which he rendered to this republic and to the world; and I think it is most fortunate that your society is linked with his name, and that you meet here on the eve of his birthday. I welcome you all to the American capital and trust that your visit may be often repeated and that you may thoroughly enjoy every hour you are here."

F. R. Pierson of Tarrytown, N. Y., responded in an eloquent speech.

President Lemon then read his annual address, which was pointed, condensed and well covered the status and outlook for the Society.

The judges appointed were Peter Fisher, Ellis, Mass., M. A. Patten, Tewkesbury, Mass., and S. J. Reuter, Westerly, R. I.

NEXT YEAR'S CONVENTION.

The venue of the society's meeting and convention for 1909 was freely discussed and Indianapolis, Ind., was decided upon.

Albert M. Herr, Secretary.

ELECTION OF OFFICERS.

The following are the officers elected for the ensuing year:

Marcellus A. Patten, Tewksbury, Mass., president; A. F. J. Baur, Indianapolis, Ind., vice-president; Albert M. Herr, Lancaster, Pa., secretary; Fred Dorner, Jr., Lafayette, Ind., treasurer.

President Lemon's Address.

It has been the custom for a number of years for the president to share in extending a welcome to the members of the American Carnation Society. Today the seventeenth president has the privilege and honor of sharing in the expression of thanks and appreciation for the hospitable reception and cordial welcome extended by the convention city.

It must be remembered at this time that the real work of preparation for this convention has been done by our most worthy vice-president, Peter Bissett, and his able assistants in Washington. Allow me to express at this time my personal appreciation of the unfailing courtesy, and the untiring zeal and activity of the vice-president which, together with the efficient services of the secretary made possible this most successful exhibition and convention.

Reference has frequently been made during the last few years to the subject of the society's certificate; it is a pleasure to refer to the eminently sensible and correct settlement of the controversy at the convention in Toronto last year. The remarks on the subject by our honored member, W. N. Rudd, contain the best exposition of the aims and province of the American Carnation Society to be found in all the society's literature. It is indeed true, as stated in those remarks, that "the certificate is nothing except an opinion of the quality of the flower shown at the exhibition. The commercial value of carnations must be shown in other ways; and it is beyond the ability of this society, beyond its province, to attempt to say whether or not a certain carnation shall prove a profitable investment to the buyer." I wish at this time to most emphatically endorse this position in relation to new varieties and to urge the society to encourage in every way possible the production of new kinds and especially the exhibiting of new things at our annual shows.

There has been a decided inclination, during the past few years, to belittle the value of the showing made by a carnation at the American Carnation Society's exhibition. Opinions of this kind have been expressed by many prominent members and have even crept into a number of addresses by our past presidents. I desire to especially emphasize my opinion that any variety which can win the American Carnation Society medal, or obtain first place in one of our open to all classes, must possess many points of exceptional merit. The fact of its winning is prima facie evidence, and is incontrovertible, for the judgment is the expressed belief of at least two and more often three of the leading experts of the country, that such variety has produced blooms superior to any others of its class. The trade at large, and particularly members of this society, should accept this at its full value, that is to say, should recognize such action as coming from the highest tribunal and as being the best opinion obtainable in the United States on the subject. The idea that the American Carnation Society does thereby guarantee such variety to be a profitable one to grow commercially is a false position and should be avoided in the future. The society as a body can possess only the prescience of its integral parts, its individual members, and what man among us can unfailingly predict a carnation's future even after studying the variety from all vantage points? The production of fine blooms is a prime requisite and with this alone should the society concern itself, leaving prophecies as to the probable future of a variety to individual judgment.

Any practical grower of carnations, should consider the grant of a certificate or medal by the American Carnation Society as the very highest recommendation possible and amply sufficient proof of merit to justify a thorough test and earnest effort to grow the variety as well as it has been grown by the raiser. However, there is one point in this connection which does come within the province of this society, and that is, the proper recognition of merit which has been abundantly proven. Seven years ago, at Indianapolis, when the fatal illness of the president, Wm. J. Bertermann, placed me in the position of acting chairman, I suggested that the society ought to take some action commending the raiser of any carnation which has proved itself the premier variety of its class for a number of successive years. No attention was given the suggestion at that time, but my opinion has not changed on the subject. I believe that when any variety wins first prize in any class A open to all sections, for three successive years, the raiser of such variety should be granted the society's gold medal fittingly engraved as an award of sterling merit. It is at least a subject worthy of discussion. There ought also to be a sweepstakes prize covering Class A, open to all sections.

To refer again to the certificate classes, I believe that the entrance fee, in both preliminary and final certificate classes, should be omitted except when such certificate is granted, and that the only restriction placed on exhibiting in these classes should be membership in the society. This should be done for the purpose of increasing the number of exhibits in these classes. The judges may be depended on to properly sift such candidates.

Fred. Dorner, Jr., Treasurer.

Reference has been made annually, since the inception of this society, to the proposed exhibition of carnations in pots. Ex-president Rackham spoke of the matter in his address at Detroit. John Birnie made a strong plea for such varieties in his able paper at Toronto last year. Now to accomplish anything in this line will require a radical step by the society and it may as well be taken at once. Offer a good substantial prize for the best collection of plants in bloom in pots. To do this, reduce the breadth and scope of Class B, which, as it now stands, tends toward monotony in the exhibition.

Also, if it were possible to so divide the money devoted to premiums to admit of it, a certain amount ought to be devoted each year to exhibits show-

CARNATION AFTERGLOW AT R. WITTERSTAETTER'S, CINCINNATI, O.
Winner of First Prize, 100 Blooms, in Lawson Pink Class, at Washington.

ing the adaptability of the carnation to reception and wedding decorations. Competitive contests among local retail men are not practicable, but some prominent retail man might be selected to prepare some such exhibit each year, as this would interest the public greatly and add to the beauty of the exhibition.

The very valuable papers from foreign carnation growers last year, together with the reports appearing in our trade papers from time to time, indicate the rapid strides being taken by our co-workers in England in the development of the everblooming carnation. Such reports should stimulate the activity in America for we should retain our supremacy in this line.

Taking into consideration the formidable opposition in the securing of new varieties of carnations which the English breeders have now presented, would it not be a good thing to make some arrangement whereby new English sorts could be sent here for test as to their adaptability to American conditions and markets? Probably some exchange of novelties could be made between growers in the United States and those in England for this purpose. A great deal of interest is now being taken in American varieties over in England, and the same thing is likely to happen with English varieties in the United States; hence it would be well for the American Carnation Society to take the first steps aiming towards co-operation.

In the matter of the registration of new varieties, the opinion has been expressed by interested members that the society ought to omit all superfluous verbiage as to whether the new variety is better than others of its kind, and give simply the name, the parentage, the date when the cross was made, and the color. A uniform registration blank should be adopted and this should avoid any appearance of indorsing the good qualities of a new kind.

At the Chicago convention in 1907, an action was passed authorizing the offering of American Carnation Society certificates at the fall exhibitions in our leading cities, and the appointment of judges for such exhibits. There was a committee appointed with power to act, but the plan never was carried out. This should be taken up and some definite action taken. The Society of American Florists invited the co-operation of our society in the National Flower Show to be held in Chicago in November of this year, and we should offer our certificate and medals at that great exhibition. It is with great pleasure that I look forward to the joint meetings with the American Breeder's Association. I hope and believe that much of benefit to the practical grower may result from the joint discussion on carnation breeding. If there is anything tangible as regards Mendel's law in relation to the breeding of carnations it should be brought out at this time.

The business sessions of the convention in Toronto were the best attended of any convention in a number of years. I am counting on the members to surpass that record in Washington. In closing I desire again to join with the visiting members of this society in appreciation of the efforts of the Washington florists which have made possible a successful convention. It is a high honor to be chosen president of the best, most business like, and most effective florist's organization in the United States, and I thank you most heartily for that honor.

Secretary Herr's Report.

Your secretary reports having issued the regular printed matter of the society during the past year. Our annual report was more complete than usual, thanks to our stenographer and the fact that, being from my own city, it could be worked out to better advantage than could possibly be done by correspondence. The premium list and dates for the meeting were discussed and adopted at the meeting of the board of directors held in Philadelphia last August, quite a few changes being made in the premium list and a three-day session agreed upon as an experiment, all of which was duly announced through the trade papers.

It has since developed that a portion of intending exhibitors are not able to get their flowers through in

time for staging by 1 P. M. Tuesday. I would suggest that a portion of our meeting be set aside for the purpose of adopting a premium list, a set of rules governing the exhibition and the best date for the opening of the show in 1909. With exhibitors, judges, and the board of directors all present, mistakes and friction could be avoided. The exhibitor being the first consideration in our shows should have first consideration in our premium list.

Carnation Wanoka.

In the opinion of your secretary the matter of advertising in our premium list should be dispensed with; the members do not patronize it to any extent, even after personal solicitation and it is hard to get outsiders to look upon it as a good business proposition. For the one issued this year a circular letter was sent all members of this society, followed by a personal letter to the possible advertisers (in some cases two and three); in addition to this, personal letters were sent to about 400 other advertisers with the results shown before you. The getting up of the premium list, aside from the solicitations, is almost as much work as getting out the annual report, and after deducting the extra cost of printing there is such a small margin of profit, that it is hardly just to your secretary to pile all of this work upon him.

A pet scheme of my own was tried this year and an invitation sent to every florist within a radius of 100 miles from the meeting place to join the society. The responses were two new members and several inquiries, a result that teaches its own lesson. In addition to all of the foregoing, there has been about 700 pieces of mail, mostly personal letters in response to inquiries, and the regular correspondence between this office, your president and the board of directors.

Your secretary requests that, unless you have selected a successor for the coming year, that he be continued in office for one year longer, in order to use up stationery and other matter that would have to be changed and lost if a new one were elected, and that he then be released. The work of this society is increasing in a ratio of about three to one as compared to membership; it is a work that ought to be done and for which the society is not in a position to pay a competent salary, so that, in making your selection, it will be the part of wisdom to select a secretary who has leisure time to devote to this work and one who employs clerical help, to whom can be given the routine part of the work. Your present incumbent having served this society for 13 years feels that with another year's service to break the hoodoo, he has borne his share of the work and that some one more competent and better able to give the time and labor required should take it up and carry it on to completion.

Notes on Varieties Shown.

BY W. N. RUDD.

Afterglow—Well to the lead in many classes. A fine thing.

Alma Ward—Peerless on the exhibition table.

Andrew Carnegie—Not shown at its best.

Apple Blossom—A fine flower, but not quite distinct enough.

Aristocrat — Fine under artificial light.

Bay State—Not shown at its best.

Beacon—Very much in it in the red classes; lacks in color.

Cardinal—Shown in fine shape.

Climax—Not shown at its best.

Creole Beauty—Perhaps the brightest crimson shown.

Defiance—Not shown at its best.

Enchantress—Still best of its class.

Harvard—A little dark.

Imperial—Not a pleasing color.

John E. Haines—No place for it.

Lady Bountiful—A few still shown.

Lawson—Alas, poor Yorick!

Lawson—Enchantress—Very pretty.

Lieutenant Peary—Scores high.

Melody—Will not trot with Enchantress.

Mrs. C. W. Ward—Lights up well under electric light.

Mrs. Charles Knopf—Large flower, a little weak in color and stem.

Mrs. M. A. Patten—Nothing better shown in its class.

Mrs. Robt. Hartshorne—Not shown at its best.

Mrs. Tom Harvey—Fine dark pink.

Pink Imperial—Looks well under artificial light.

President Seelye—Will score well up to head of standard whites.

Red Chief—Not quite large enough for the show table.

Carnation Climax.

Robert Craig—A few still shown.

Rose Pink Enchantress—Fine, but too many varieties too near alike.

Ruby—Crimson, promising.

Sarah Hill—Fine white bloom.

Snowflake—Very good white.

Splendor—Fine flower in the Winsor class.

Toreador—Very decorative, unusually long stem and fine color, under-sized.

Variegated Lawson—Shown in good shape.

Victory—Disputes with Beacon first place in commercial reds.

Viola Sinclair—A pretty rose pink, medium in size.

Wanoka—Fine crimson, a little dark in color.

Welcome—Not quite in it with Winsor.

White Enchantress—A leading white.

White Lawson—Still shown.

White Perfection—This and White Enchantress are leaders in the commercial class.

Winsome—On the Wm. Scott order.

Winsor—Not excelled in color.

No. 32—John Reimels; promising scarlet.

No. 100—A fine flower much like Rose Pink Enchantress, Jos. Heacock.

46205—A fine white M. A. Patten.

Carnation Apple Blossom.

Treasurer Dorner's Report.

The following is Treasurer Dorner's report:

RECEIPTS.

Balance January 21, 1907		$ 390.11
Cash from Sec'y	$897.05	
Cash from interest	$2.97	980.02
		$1,370.13

EXPENDITURES.

Paid orders on treasurer	$1,032.08
January 24, 1908, cash on hand	338.05
	$1,370.13

PERMANENT FUND.

Amount reported January 21, 1907	$2,025.31
Life memberships	350.00
	$2,375.31

Carnation Afterglow.

The illustration shows a house of Afterglow that was planted August 8, and photographed seven weeks later. These plants were propagated the first week in April, potted in 2¼-inch pots May 10, and planted in the field June 2. The blooms could be cut with stems 10 to 14 inches long at the time the photograph was taken.

HOUSE OF DEFIANCE CARNATIONS AT JENSEN & DEKEMA'S, CHICAGO.

Report of the Judges.

CLASS A—ONE HUNDRED BLOOMS.

White.—Cottage Gardens Co., Queens, N. Y., first, with Alma Ward; F. R. Pierson Co., Tarrytown on Hudson, N. Y., second, with white Enchantress.

Enchantress Pink.—Chicago Carnation Co., Joliet, Ill., first, with Enchantress.

Lawson Pink.—E. G. Hill Co., Richmond, Ind., first, with Afterglow; Cottage Gardens Co., second, with Mrs. Tom Harvey.

Winsor Pink.—Cottage Gardens Co., first, with Mrs. C. W. Ward; Chicago Carnation Co., second, with Winsor.

Scarlet.—Cottage Gardens Co., first, with Beacon; John Reimels, Woodhaven, N. Y., second, with seedling—No. 32.

Crimson.—Cottage Gardens Co., first, with Creole Beauty; James D. Cockcroft, Northport, N. Y., second, with Harvard.

White Variegated.—John Reimels, first, with Variegated Lawson.

Any Other Color.—H. Weber & Son, Oakland, Md., first, with Toreador; John E. Haines, Bethlehem, Pa., second, with Imperial.

CLASS B—FIFTY BLOOMS.

Lady Bountiful.—Strafford Flower Farms, Strafford, Pa., first.

White Perfection.—F. R. Pierson Co., first; S. J. Goddard, Framingham, Mass., second.

Any Other White.—F. R. Pierson, first; Strafford Flower Farms, second.

Enchantress.—Chicago Carnation Co., first; Strafford Flower Farms, second.

Any Other Enchantress Pink.—F. R. Pierson Co., first; Henry Eicholz, Waynesboro, Pa., second.

Winsor.—Chicago Carnation Co., first; Cottage Gardens Co., second.

Pink Enchantress.—F. R. Pierson Co., first; Henry Rohrer, Lancaster, Pa., second.

Any Other Pink (this shade).—Chicago Carnation Co., first; H. Weber & Son, second.

Lawson.—Potter the Florist, Wilmington, Del., first.

Aristocrat.—Chicago Carnation Co., first; R. Witterstaetter, Sedamsville, O., second.

Pink Imperial.—John E. Haines, Bethlehem, Pa., first.

Robert Craig.—Henry Rohrer, first.

Red Chief.—F. R. Pierson Co., first.

Victory.—F. R. Pierson Co., first; S. J. Goddard, second.

Beacon.—Cottage Gardens Co., first; F. R. Pierson Co., second.

Any Other Scarlet.—Chicago Carnation Co., first; John E. Haines, second.

M. A. Patten.—Cottage Gardens Co., first.

Imperial.—John E. Haines, first.

Any Other White Variegated.—F. R. Pierson Co., first.

Harry Fenn.—Cottage Gardens Co., first.

THE SOCIETY'S MEDALS.

Gold medal for the best vase of 100 blooms, any variety, any color.—Cottage Gardens Co., with Alma Ward.

Silver medal for the second best vase of 100 blooms, any variety, any color.—R. Witterstaetter, with Afterglow.

Special Points on Hybridizing.

BY R. WITTERSTAETTER.

Some sixteen years ago, when I first undertook the work of hybridizing the carnation, I had very little knowledge of nature's law, regarding the results to be expected from crossing the standard commercial varieties of that date, and concluded that experiments with a complete record of the parentage, and the results, was necessary. As regards color, size, stem, form, habit, freedom, etc., I found, while we had some very good seedlings that pointed up well in everything except color,—and color being a very important factor in a commercial carnation—that we got quite a few variegated purples and off colors, and very few identical with the parent color. I, therefore, concluded that it must be nature's law in plant life, the same as in the human race, that blood would tell, and future breeding has been carried on with that point in view; namely, scarlets in a race by themselves, whites in theirs, and so on, always selecting for future work that which came nearest to an ideal as to color and commercial value.

Some have held that by following this method you lose constitution. We have proven this, to our own satisfaction, to be untrue, if a selection of vigorous parents is made for the work. This opinion may have arisen from the fact that a very brilliant scarlet has no vigor to back it up; our most vigorous scarlets are only a fair or dull red, and if a good constitution and a brilliant color are combined, the result is apt to be a slow and shy bloomer, not up to the commercial requirements. As most of my endeavors have been devoted to the scarlet race, amounting to about one-third of the number of the seedlings raised, I have taken the pessimistic view, that it would be an impossibility to produce a brilliant scarlet of free blooming quality, backed up by a vigorous constitution. Of late years, however, I have observed that this will not be an impossibility.

In breeding for form we always selected those that have reproduced themselves in that point for two or three generations, from one or the other of its parents, preferably the seed parent, and using the same as a seed parent. In pink we do not hold so closely to the color line; but are very particular that, whatever color is used, it be of good, clear, strong and lively tone and not subject to fading into dull colors, or easily affected by the sun.

In breeding for size I do not hesitate to use a small flowered variety as a seed parent, provided its progenitors of the first and second generations past were large flowered varieties; as a pollen parent, likewise, if it has all the other attributes of a good commercial variety.

In breeding for stem and calyx, I like to select a variety that has inherited these good points from one or two generations past, with the bloom bordering on the semi-double, or not too many petals to insure a good setting of seeds; also guarding against parents with flowers containing too many petals, as the result will be too many extremely double flowers, with no calyx to speak of.

Constitution, next to color, is the most important factor of a commercial carnation, from a grower's point of view, and should be given the utmost consideration. The parents should be selected and bred to such varieties as are noted for their healthy and vigorous constitution. I believe, in order to gain the best results, this crossing should be done during the months of March and April, when plants are making their most vigorous and rapid growth, insuring well-developed and ripened seed.

I sometimes question whether the condition and class of food, with which we supply the mother plant when crossing, and up to the time of ripening the seeds, is not responsible to some extent, for our failures or successes, as the case may be. Regarding other points on hybridization, I might suggest a strong, well rooted love for the work; untiring patience, and perseverance, with a studious observation of the results and a fair sized bank account at your disposal, until your aim has been attained.

THE CARNATION.

Notes in Season.

At this season particular care should be taken to keep the temperature at the required degree and to admit as much fresh air as the weather conditions will allow. If the houses are kept close and a high temperature prevails for very long, red spider will appear in such force that drastic measures will have to be resorted to to eradicate it. On the other hand, a low temperature will cause a check in the root action, bringing with it poor plants and burst calyces. The present rapid growth and development of the plants renders disbudding a matter of urgent necessity, requiring constant attention. It is useless to expect fine results if the side buds are allowed to get large before removal. About every week or so go over the plants and place the growths inside the rings or supports to give them a chance to straighten up and allow for a free circulation of air. Keep all decayed or diseased leaves picked off and remove every weed that makes its appearance in the beds.

Occasionally the soil will get washed from the edges of the beds to the center, and should be drawn back to the sides again, leveling the surface to allow of proper watering. Should any parts of the beds have become bare, so that the roots are exposed on the surface, a light surface dressing of fresh soil and well rotted cow manure in proportions of one-half manure to one-half soil should be put on thinly,—just enough to cover up the bare places, but guarding against a heavy mulch. One night a week should be set apart for fumigating, which will be ample to keep the plants free from insects unless these have got the upper hand. In this case it will be necessary to repeat the fumigating for two or three nights in succession. Very little neglect along this line quickly cripples the new growths and ruins the buds; the mischief is easily seen by the growths coming twisted and failing to properly open and the tips turning yellow. This is the season of burst calyces, but we can guard against this trouble to a very great extent by keeping the plants a little dry at the roots and not being carried away with the idea that the carnation needs manure and feed without discretion as to ability to assimilate it. To injudiciously strip the plants for cuttings is another cause of the calyces splitting.

The propagating house or bench needs careful watching and its requirements attended to. After the cuttings have had their first watering a light misting or spraying twice a day will be all that is necessary for the first week or 10 days, if the conditions of the propagating beds are as they ought to be, and the right kind of clean, sharp sand is used. They will root much more readily when the sand is kept just moist than when it is allowed to become saturated and there is not nearly as much danger of the cuttings becoming diseased. The walks around the propagating beds should be damped down two or three times a day to maintain a moist atmosphere, and if the sand in parts of the beds upon examination is found to be of a lower temperature than necessary a few bags or strips of cloth tacked on to the sides of the benches will help keep the heat underneath the beds and go a long way towards remedying this defect. Watch the temperature of the house so that ventilation is given on every favorable occasion, but at all times avoid cold and excessive draughts, an even temperature being a great aid to successful rooting. While the cuttings are in the sand making roots, the soil, if not already on hand, should be got into condition preparatory for potting them. If it is stored where frost reaches, it should be brought inside and spread out where it can get thoroughly warmed through. Young carnations require a good, live, fresh soil, but while in their small stage should be given little if any manure, it having a tendency to cause them to make a soft, rapid growth rather than a sturdy one. For home use the cuttings should be potted as soon as they have made sufficient roots, but for shipping they need to be held in the sand a little longer, as some of the roots are bound to get broken in transit. If for any reason the cuttings are not taken out when ready and are being held in the sand this should be kept on the dry side and the temperature of the house kept around 45° at night and as near that mark as possible during the day.

C. W. JOHNSON.

Carnation Lloyd.

Carnation Lloyd.

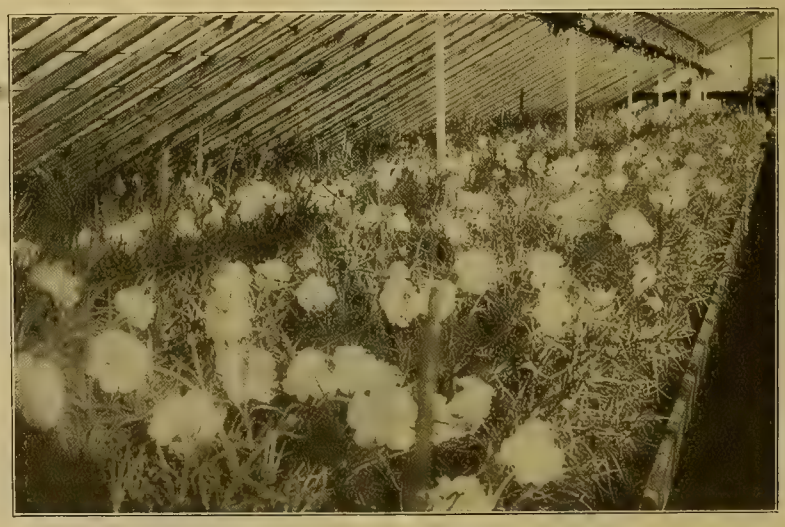
The accompanying illustrations show a house of the new carnation, Lloyd, grown by the originator, H. A. Jahn, New Bedford, Mass. The photographs were taken December 22, showing its freedom in winter, and the originator says of it. "It is a pedigree seedling with Enchantress as the last cross. The first cross is Silver Spray x Daybreak; the second year a selected seedling crossed with McGowen; the third year seedling recrossed with Queen; the fourth year seedling crossed with Lawson; the fifth year seedling crossed with Enchantress and the sixth year seedling selected Lloyd. In Lloyd I have succeeded in producing a carnation that is considered by competent growers all over the country to be the most valuable florist's variety ever produced.

"It is absolutely an ever blooming carnation, in fact the only one in existence at the present time which in truth can be called an ever bloomer. A temperature of 50°-52° with plenty of ventilation and a light house will give as fancy a flower in size and make up as any strictly fancy carnation to date. Its fragrance is wonderful, and the keeping qualities are of the very best. Flowers shipped and tested by several prominent dealers and growers have been pronounced unexcelled.

"In freedom of bloom Lloyd ranks as a strictly commercial variety, as it produces as many flowers as one of its parents, the old McGowen, used to. In quality it stands in the front rank with the fancies. The size and shape of the flower is the exact counterpart of Enchantress. The color is a good, clear peerless white in a good light house; in dark old houses it will show a slight trace of pink in midwinter. In order to succeed best with Lloyd it should have the same treatment as Enchantress."

Carnation Beacon.

W. W. Coles of Kokomo, Ind., says: We have a bench of 750 plants in one of our new King construction houses and it has been a mass of flowers for several months. We consider Beacon the best and most profitable red carnation to date.



CARNATION LLOYD AT H. A. JAHN'S NEW BEDFORD, MASS.

Grown under 10x12 glass; photographed December 22, 1907.

New Carnation Georgia.

This fine new variety, introduced by J. D. Cockcroft, Northport, N. Y., and well shown in the accompanying illustration, is a pure white, fringed variety, the result of a cross between Prosperity and Morning Glory. The variety comes in early in September and continues until well into the next summer, the flowers being from 3½ to 4 inches in diameter when at their best. It has a perfect calyx and the flowers are well built, produced on stout stems from 24 to 30 inches in length. The plant is a good, clean grower and the flowers keep well. It should have a successful career.

Growers' Expectations from Introducer.

BY S. S. SKIDELSKY.

It would be hard to find, in the history of floriculture, another instance of the rapid strides and development of a flower to equal that of the carnation. The "divine flower" has indeed sprung into favor as if by magic. Unlike the short lived chrysanthemum or the queen herself, the rose, the carnation is preeminently the flower of the masses. It is grown everywhere, it is sold everywhere, the curb merchant, no less than the society florist, handling it in immense quantities. More glass is going up, more carnations are being grown, and the demand is continually for still more. Nor is its popularity confined to our own borders. England, Germany and France depend upon our varieties; Norway and Sweden grow them with success—and even in darkest Russia, we are told, they can do Lawson, Enchantress and White Perfection well. Let us hope—and you will pardon my slight digression from the subject—that with the advent of Beacon there may come a light to brighten the hovels of the semi-civilized, wretched peasantry in the czar's domain.

When John Thorpe, but a comparatively short time ago, predicted that our puny carnation of yesterday would attain the respectable size, by actual measurement, of four inches in diameter, there were many among us today who were inclined at the time to treat such prophecy with a grain of salt. That prediction of Mr. Thorpe has come true nevertheless. We have practically reached the goal of our ambition. The 4-inch carnation is here and has evidently come to stay. Nor are we content to rest upon our laurels. We are aiming higher and still higher. What was good enough a season or two ago, does not satisfy us today. We must have something better. It will not do to stay the march of progress or to check the course of evolution. Aside from the size of the bloom itself we must also have stem, a long and a stiff one at that; we must have a carnation with a non-bursting calyx, of good color, good keeping qualities and we insist on varieties that will produce the flowers and yield us dollars and cents—"bread and butter" carnations, if I may borrow the stereotyped description now and then applied to seedlings, which do not pay for the bread, let alone the butter.

It is not my intention, however, to point out any particular varieties, nor do I wish to call to the bar of the growers' opinion any of the introducers of these so called bread and butter sorts. I am rather inclined to the belief that the average introducer of a new seedling is honest and honorable, that he means well, that his sole aim and object in introducing a carnation is to give satisfaction, that under all circumstances he aims to give the grower his money's worth. There have been some exceptions, of course, but this is another story having no bearing upon the subject under consideration. Granted, then, that no fraud or deception on the part of the introducer is ever intended, the question arises: Why are worthless varieties thrown upon the market? I shall attempt to answer this question, as I have studied it at close range, depending largely upon my personal impressions and observations, which, of course, are in no wise infallible. My observations upon numerous occasions lead me to the conclusion that there are some hibridizers, who are inclined to be too optimistic, often being carried away, so to speak, by the momentum of their own enthusiasm. The man thus inclined makes his cross, selecting for the purpose sturdy and meritorious parents. The result, he takes it for granted, must be highly satisfactory. I say he takes it for granted advisedly, because taking things for granted is a characteristic trait of the enthusiast. He watches the seed pod with all the care, hope and love which a young mother bestows upon her firstborn. To be sure, he reasons, something good must result. A chip of the old block is an asset not to be despised. In course of time the seedling or seedlings appear. Out of a dozen or more "uncertainties" the one looking the most promising is selected and duly labeled. No sooner does the bloom break through the calyx, than the plant is chopped down, literally hacked to pieces, in order to get all the cuttings, good, bad and indifferent, that it may yield through and beyond the season. The vitality of the "promising one" is thus impaired at the very outset of its ephemeral career. The season following it still looks promising, although the calyx is somewhat inclined to go asunder, nor is the stem strong enough to sustain the weight of the bloom or the bunch of petals. The season, of course, which happened to be either too dry or too wet, is accountable for that. Perhaps a little overfeeding did the mischief; maybe a degree or two below or above the temperature required to suit its delicate constitution. To be sure there are numerous reasons for its misbehavior, but no matter, where there is life there is hope. A second massacre is in order and the plants are propagated to the limit. Cuttings are taken regardless of their condition. It won't do to "put off" when the growers are so much in need of a good white, a good red or a good pink and, incidentally, when there is a fortune in sight. I will stop right here, however, to reiterate my assertion that the introducers of new carnations are absolutely honest, that no fraud is intended when a carnation is finally launched with all the pomp and all the songs in its praise which we are accustomed to see and to hear.

The question what the grower should expect from the introducer of a new carnation is rather a perplexing one and is not so easily answered as one might expect. Our ideas as to the fitness of things are so much at variance with local conditions and local requirements that it would be practically impossible to set up a standard with a view of insuring general satisfaction. In his notes on the Chicago flower show, John Thorpe has this to say about the carnations which were on exhibition there: "Of new carnations, in quantity very short, in quality never better. Raisers of seedlings are getting wise. It's not how many, but how few. Let this prevail, be-

NEW CARNATION GEORGIA.

Introduced by James D. Cockcroft, Northport, N. Y.

cause the few have the best chance." Tersely expressed, and true. That the few of superior quality have the best chance is not to be denied. Yet, on the other hand, we must also not ignore the fact that while there are comparatively few growers ever in quest of fancies or carnations of quality, whose products are sure to command the highest prices at all times, there are thousands of others who are ever on the look out for the "bread and butter" sorts, whose local markets, either wholesale or retail, do not warrant heavy investments in fancies, who, in brief, must have carnations, which, taking local conditions into consideration, will pay for the coal, the help, the interest on the greenhouse plant and leave a dollar to boot. It is the rank and file that is to be considered; the man who can no longer grow Lawson or Queen and is in want of something to take their places.

A standard, therefore, to suit alike the successful growers in the vicinity of New York or Chicago and the man in the Dakotas, is not to be thought of. But what, after all, is the grower to expect from the introducer of new seedling carnations? Coming to the point by the shortest possible route there ought to be a sort of happy middle ground, upon which both the grower and the hybridizer could meet for the purpose of advancing their mutual interests, for the purpose of adjusting differences, of overcoming prejudices and of facing conditions, if the one realizes the need of the other; in other words, if the introducer of seedling carnations will exercise the most scrupulous care on behalf of the goose that lays the golden egg and the grower in his turn will bear in mind that his very success or the golden egg, has been made possible by the men who have made hybridization their life-study; who are sacrificing their time and their means in order to improve upon past achievements and thereby advance the interests of the carnation growers—if both, I say, could meet upon such ground, there surely would be no cause for disappointment or dissatisfaction. But how is this to be accomplished? Leaving the hybridizer's cause in the hands of Mr. Rudd, who, I am sure, will do ample justice to it, I will take up the grower's end of the question and will briefly outline his expectations from the introducers of new seedlings:

First—The grower expects his money's worth. By this I mean that when he orders a batch of high priced cuttings, he expects and is fully entitled to high grade stock; cuttings that have been carefully selected and well rooted; rooted not by dint of the steam pipe at so many thousands per week, but by the natural process of keeping the feet comfortably warm and the heads cool, to insure vigor and health.

Second—He expects from the variety just what it is represented to be. In other words, when a variety is a cropper, it should not be represented as a continuous bloomer, that when its calyx splits at certain seasons or under certain conditions, that fact should be brought to the surface regardless of losses or gains.

Third—He expects the benefit of the introducer's experience without paying an additional price, often a heavy one, for the experience himself. By this I mean that when a seedling has been thoroughly tested and its requirements and peculiarities studied and recorded, the introducer is morally obliged to give the grower the benefit of his own knowledge and experience. The grower is entitled to such information and it should not be withheld from him. A printed slip, bearing all the cultural notes about the variety introduced, should accompany each and every shipment.

Fourth—The grower expects a square deal. By this I mean that no carnation, no matter what its previous record, how many points it scored or how many medals were awarded it, unless it maintains its record in all its essentials up to the time of and including the season of its dissemination, unless its vigor is in no wise impaired, should see the light of day. The introducer must be absolutely certain on this point; he must take nothing for granted, else the grower is sure to be a very much disappointed man.

The grower's expectations, it seems to me, are within the bounds of reason and need hardly be dwelt upon at greater length here. Let a condition of a thorough understanding and a most scrupulous honesty on both sides prevail and we will no longer hear about gold bricks and suckers. After all there is a deal of truth in the old saw of honesty being the best policy. The most successful business men of today are they who pursue such a policy, whether it be in the dissemination of seedlings or breadstuffs. The child that burns its fingers fears the fire, so does the grower steer clear of the man who sells him a winner and gives him a gold brick instead. It is to our own interests, whether we be hybridizers, dealers or mere agents, to discourage worthless varieties, stamp them out, roots, branch and all, if we wish to see the most important branch of our business thrive and develop without hitch or hindrance.

The Introduction of New Varieties.

BY C. L. WASHBURN, CHICAGO.

S. S. Skidelsky has sent me by mail a copy of his paper on the introduction of new varieties. I think he covers the matter very fully when he states what the growers or buyers of these new varieties reasonably expect. The trouble is to get these expectations fulfilled. As Mr. Skidelsky very ably states, the business of growing carnations has reached to large dimensions and importance.

It would seem that the American Carnation Society should, for the benefit of its members, take up this matter of introducing new varieties and give them the history in detail of each new variety from the time it is first started until it is offered for sale to the trade. There are certain large centers of the carnation industry, such as Boston, New York, Philadelphia, Buffalo, Detroit, Chicago, Indianapolis, St. Louis, etc. Now committees could be appointed in each of these districts to visit the various places where new varieties are being grown and investigate their condition, etc., keeping a record of, say, monthly visits, these records to be printed and issued to each member once a year. This would put a curb on the introduction of new varieties in the manner described by Mr. Skidelsky, where the most promising of a dozen or more uncertainties is selected and this plant is then put through a hurry-up process to increase the stock as rapidly as possible.

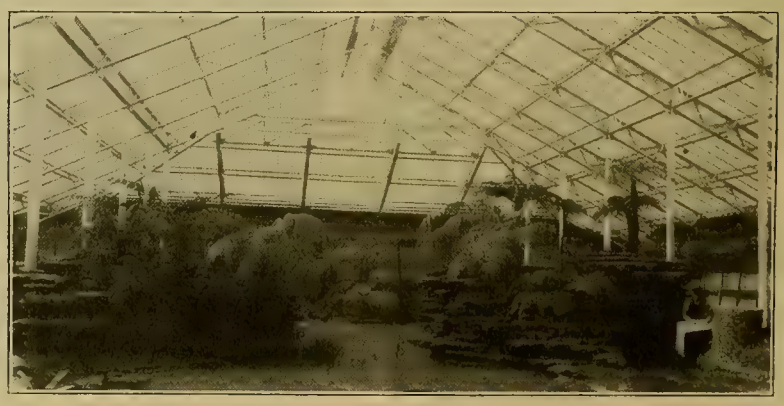
The introducer of seedlings would be benefited as much by this method of inspection as the buyers, for if he has a good thing the reports would show it. As it is now, we have all been bit so many times that, as a "burnt child dreads the fire," we all buy very sparingly of any new thing, being afraid of the gold brick. When the reports show a promising seedling a grower should be induced to allow others at different sections of the country a few plants for trial.

Now, in order to pay the expenses of these committees (and the committees should be paid for their time and all their traveling expenses) the money could be raised by taxing each member for these reports a sum in porportion to the amount of carnation plants he grows. Let the tax be, say to start with, $1 per 1,000 plants. Then a member growing 50,000 plants would pay $50 for his reports for the year. This would raise a good sized sum of money and put the matter of inspection on a business basis. There is not a single member of this society who would not be benefited ten times the amount he pays in, by the reports he would receive.

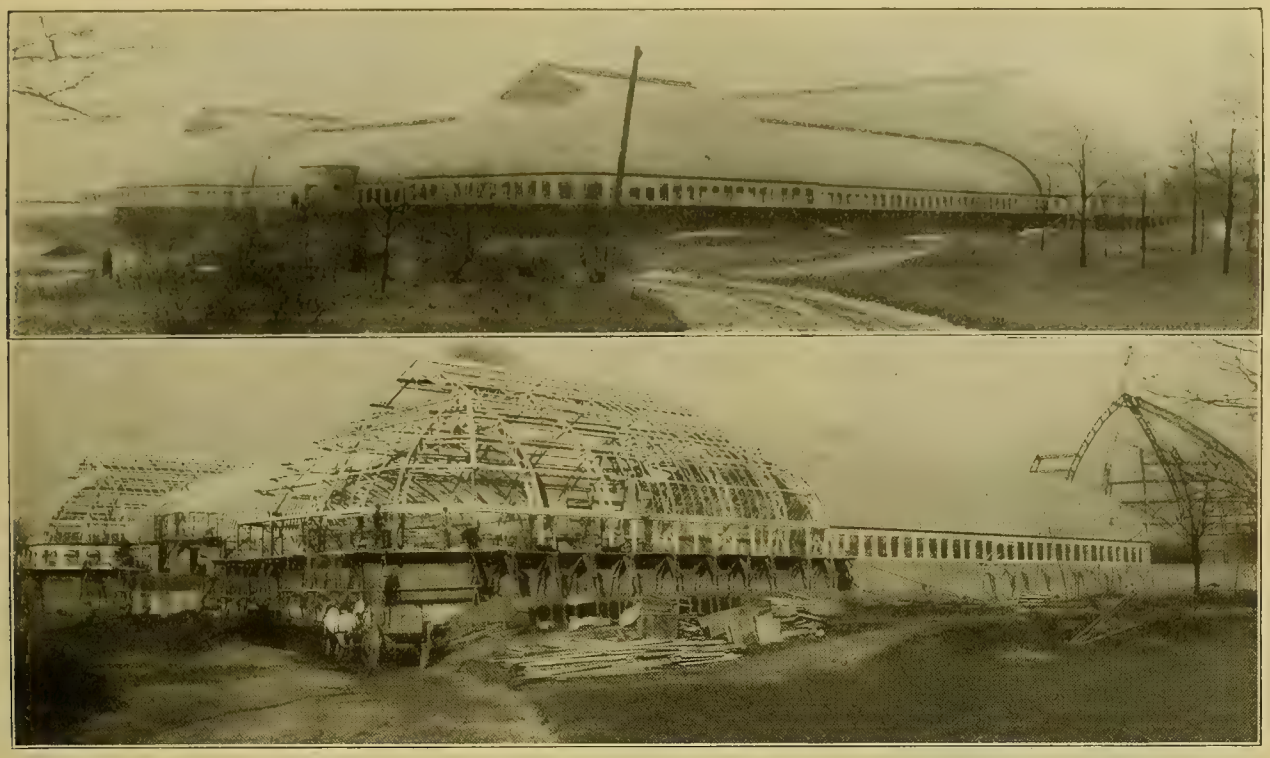
Mr. Skidelsky has given us a very complete paper on the subject and it remains for us to put some practical plan in use to prevent the abuses which the trade has suffered in buying goods which are grossly misrepresented and are causing us heavy losses each year.

Fritz Bahr, Highland Park, Ill., (on right) and E. Hippard, Youngstown, O., in Cuba.

TOM J. CORBREY, well known as a commission man in the early days of the trade in Chicago, writing from Long Beach near Los Angeles, Cal., says: "The Japs are giving the local growers a run and it looks as if the 'little brown men' may soon be it. The latter are paying as high as $40 per acre annual rental for land on which they grow flowers and vegetables."



INTERIOR OF NEW CONSERVATORY AT GARFIELD PARK, CHICAGO.



NEW CONSERVATORIES AT GARFIELD PARK, CHICAGO.

Garfield Park Conservatories, Chicago.

A most notable range of conservatories is now approaching completion in Garfield park, the central one of the three great parks of the West Chicago park system. This splendid range has been designed by Hitchings & Co., of New York, and those who have critically examined the new houses believe them the finest and best adapted for the purpose in the United States. Its final cost, together with the range of propogating houses adjacent will, when fully completed and equipped, cost approximately $225,000. Superintendent Jens Jensen must be credited with the conception and carrying forward of this much-needed work in a most permanent and satisfactory manner; in this he has been ably supported by the west park commissioners under President Eckhart, who was appointed by Governor Deneen with a free hand for these betterments. The range will be heated from a central plant. C. E. Carson & Co. are the steel work contractors, while H. Wilson had charge of the glazing.

WITH THE GROWERS

James D. Cockcroft, Northport, N. Y.

Growers of carnations would find much to interest them at the establishment of James D. Cockcroft at Northport, Long Island, one of the largest plants devoted exclusively to the cultivation of carnations east of New York. Besides the best of the standard varieties, the principal attractions are the three new varieties, Harvard (crimson), Faust (scarlet), and Georgia (fringed white), originated by Mr. Cockcroft. The following letter shows the opinion of one of the leading florists of New York as to the popularity and ready sale of these novelties:

"Mr. James D. Cockcroft,
Northport, N. Y.
Dear Sir:—
We desire to congratulate you on the two varieties of carnations, Georgia and Harvard; which you have been sending us. Georgia we consider to be the best white carnation that comes to New York and can easily sell from 50 per cent to 100 per cent more than regular white. Harvard we think to be the best dark red coming here, easier to sell at double the price of any other dark red.
With kind regards, we remain,
Yours truly,
(Signed) TRAENDLY & SCHENCK."

Faust.—This variety is a brilliant scarlet, a shade brighter than Victory with long and wiry stems averaging 20 to 24 inches. The flowers are of medium size, well built up with a perfect calyx. It is a strong healthy and clean grower, coming into bloom very early and its extreme productiveness makes it very desirable for commercial use, especially for the Christmas trade when it is in full crop.

Georgia.—Among all the various whites on the market, Georgia stands in a class by itself as it is a commercial variety in productiveness and a fancy one in size, fragrance and form. This variety, Mr. Cockcroft intends to introduce next year.

Harvard.—This new crimson variety originated four years ago. It is of a rich crimson color, the result of a cross between Prosperity and Gen. Maceo, combining the magnificent size and stem of the former with the freedom and rapid growth of the latter. The flowers measure from three and one-half to four inches in diameter, are symmetrical and well built with deeply fringed petals and are splendid keepers and shippers. A critical examination by a disinterested party just before Christmas of the 5,000 plants now being grown disclosed not a single case of split calyx and the originator says "that this quality has been a noticeable one at all times." The stems are long, stiff and wiry at all seasons, averaging about 24 inches in length. The plant is a rapid and vigorous grower with no superfluous grass, coming in bloom early and continuing throughout the season, every shoot producing a well formed flower.

ALL kinds of new methods in orchid growing crop up and are recommended from time to time; but when cultivators realize the simple fact that a proper atmosphere in the houses where they are grown is the most important detail of all, and far more so than hair-splitting differences in compost and temperature, they will be well on the way to success with these beautiful plants.

THE WA-NO-KA GREENHOUSES, BARNEVELD, N. Y.
Partial Exterior View of Plant.

Thos. Rochford & Son, Broxbourne, Eng.

As a striking instance of a colossal business being worked up from small beginnings in a comparatively short space of time the wonderful greenhouse plant of the Rochfords is worthy of notice. In England all such places are termed nurseries and the full title of the firm is Thos. Rochford & Sons, Ltd., Turnford Hall Nurseries. They are situate at Broxbourne, 17 miles from London. The well-known and genial Thos. Rochford, who died some six years ago at a comparatively early age, was the real founder of the business as it at present stands, though it had its small beginning at Tottenham when he and his father, Michael Rochford, grew especially good pines and

Thos. Rochford.

Present head of the firm of Thos. Rochford, Broxbourne, England

grapes. A ton of grapes in those days was thought a big lot, but now this firm alone grows nearly 100 tons under glass annually. Prices in those days ranged anywhere from $3.75 to $5 per pound, while today 25 cents is a fair average price, though, of course, higher prices are paid for best quality fruit. It is worthy of note, too, that in the old days the grapes grown at Tottenham were carried on the men's heads, thence to the London market, a distance of about six miles. Today large four-horse vans, as large as furniture vans, carry the produce.

The Turnford Hall Nurseries and the ground around them secured for extension cover an area of 100 acres. There are in all 285 greenhouses, one of the largest of these, a palm house, being 300 feet long, 50 feet wide and 26 feet to the roof apex. In this particular house are many palms, ranging in value from $5 to $250 each. The actual area of glass in this immense establishment has been variously estimated in America and all kinds of guesses have been made. It will interest our readers to know that the actual size is just under a million and a quarter square feet, 1,224,119 to be exact. This is the first time these figures have been published and they are correct. They represent the actual area covered and not the amount of glass used, which would, of course, be much more. The business carried on is wholesale and extends practically all over the world. There are railway sidings or switches connecting with the nursery and the firm uses its own railroad cars for shipping fuel, coke being principally used.

PALMS.

To return to the palm growing, there are in addition to the large house mentioned 14 span-roofed houses 160 feet long, filled with Kentia Forsteriana from two to six feet high and valued at from $6 to $45 per dozen. Larger specimens are grown in four other spans, each 300 feet long, and, in order to make the most of the head room, fine plants of Cocos flexuosa are interspersed with the kentias. Being tall, these take up little ground space and do not interfere with, but rather conduce to the health of the latter. Then there are two other spans, 25x300 feet, for the six-foot kentias, a grand stock of these on which the firm prides itself being always kept up. These houses are probably the finest in the world devoted to the culture of palms for market. There are 54 other span-roofed houses for small stock, each 14x160 feet. Owing to the scarcity of kentia seed, a scarcity likely to continue, Latania Borbonica is selling much better than formerly and there are large healthy stocks of this favorite palm on hand. Spent hops from the breweries are used for plunging the pots in in all the houses and the scent of these is very pleasing.

Crotons are also a leading specialty here, over 80 varieties in all sizes being grown. Single stemmed plants seven feet high, feathered with foliage down to the pots, are very fine, the variety Alice being a popular one. Souvenir de Thomas Rochford is also a decided acquisition. Souvenir de Baron Alphonse Rothschild is being largely shipped to America, while Reedi, a splendid variety, is being sent in large quantities to Paris. Victoria Improved, Warreni, Prince of Wales, Princess of Wales, Emperor Alexander the Third, Chelsoni and Disraeli are all largely grown, as is Turnfordiensis, which recently received a first-class certificate from the Royal Horticultural Society. Filicifolium aureum is one of the best of the narrow-leaved forms, bright yellow with a drooping habit, and when finished is like a shower of gold. It is an excellent variety for table decoration. Whole houses full of Asparagus plumosus and the true variety nanus are grown and many were being packed for the United States recently. Then there are houses of Malmaison carnations, Princess of Wales, grown for cutting, other houses of Rasfail geraniums, the plants four feet high and a blaze of scarlet, large span-roofed houses of roses, 35x500 feet, and many other crops. The new rose, William Sheen, is expected to outclass Bridesmaid. It is a very lovely variety. Richmond is also largely grown, as is also Queen of Spain. Poinsettias in 4-inch and 5-inch pots, pandanus and the new golden smilax are all well grown, the latter a very beautiful and distinct feature here.

Orchids are largely grown for cutting and also for sale on the plants. There are house after house of cattleyas, and at the time of our visit C. labiata was at its best. Odontoglossums, chiefly O. crispum, fill 12 houses and the plants were bristling with flower spikes. Then, there are immense lines of Spirea Japonica, Azalea mollis and the pretty pink spireas Queen Alexandra and Peach Blossom. Dormant crowns of these are being sent out and plants in bloom were on show. Everyone speaks well of them. There is an immense stock of the new Nephrolepis todeaoides. In one house there were 20,000 in 2½-inch pots, all grown cool, and there are others in all sizes up to large specimens. Begonia Gloire de Lorraine is a leader. There are many fine specimens, in pans nine inches deep, that are three feet high and as much through, while the basket plants for Christmas trade are very fine. Rochford's Masterpiece is in great form and sells well. Amabilis is a new cross, not yet disseminated, between Masterpiece and Socotrana. It is a stout

RETARDED LILY OF THE VALLEY AT THOS. ROCHFORD'S, BROXBOURNE, ENG.

The pips, when removed from the refrigerators, at any time of the year, bloom in about three weeks.

AT THOS. ROCHFORD'S. BROXBOURNE, ENG.

Retarded Lily of the Valley. Azalea Mollis. Cattleya House.

grower, very free, the flowers hanging loose; miles ahead of anything else, according to American visitors. There are 18 span-roofed houses, 160 feet long, devoted to Easter lilies and a similar number 200 feet long filled with varieties of L. lancifolium. L. eximeum is spoken of as the best variety for retarding. There are other large houses devoted to Eucharis Amazonica Lilium auratum and other good market kinds, the eucharis being perfectly free of disease and mites which are so troublesome in some places.

LILY OF THE VALLEY.

Twelve span-roofed houses, each 14x300 feet, are occupied during the entire year with lily of the valley, all retarded crowns being used. Much has been written on the forcing of this plant, but no forcing is done here. The crowns are grown quite cool from the start, frost only being excluded, and this accounts for the fine quality produced from the firm's own retarded stock. Before going into the refrigerating chamber each bundle of crowns is thoroughly examined and again after it comes out before the crowns are planted or delivered to customers. The firm handles between 10,000,000 and 11,000,000 crowns every year and report their stock as never better than the present season. The export trade in this line is considerable and we saw a consignment of 23,000 being packed for Holland. The refrigerator chamber is very interesting and beautiful inside, the frost hanging thick on every part of the woodwork, walls, etc. Ivy is grown on the outside walls to keep it still cooler. The packing sheds are built and fitted with every necessary convenience for expeditious handling and bunching of the stock.

Fuchsias.

Fuchsias are used very plentifully in Girard college, especially on Founder's day (Stephen Girard's birthday), May 20, when all those who have graduated from this beneficent institution who are living within easy distance are invited to spend the day. Varieties that bloom later than the date indicated above are not much used here, excepting for conservatory decoration through the early summer months. Some old plants are carried over from year to year as these lend themselves better to training as standards than do plants of the present season, but the old plants are not so easy to carry through the heated term in many parts of America as they are in Great Britain and some other European countries, where they grow and bloom and are a constant delight all summer long.

For spring sales, in a commercial florist's establishment, plants raised from the present season's propagation are to be preferred and this should commence now. Select fresh young cuttings and insert same in the propagating bed where the temperature is not higher than 60° at night. Do not crowd them if a shapely plant is desired. Shading from the sun and frequent sprinklings are necessary. We have had the best results in growing fuchsias of a uniform pyramidal habit by potting the cuttings before they were rooted. The reason is that the plants had sufficient room for the full development of the lower shoots, thus aiding the natural habit so much admired in well grown plants.

As soon as the young plant is well established in its first pot it should be shifted to a 4, 5, or 6-inch pot according to the variety. Varieties with large leaves and a strong growing habit like Speciosa will take the larger size, while Wave of Life and others with smaller leaves will do well enough in the 4 or 5-inch sizes. The large shifts recommended also encourage the lower shoots to their fullest development. Do not delay longer than possible the placing of a neat and straight stake to each plant, or all other efforts to train the plants into a good shape will be in vain. A temperature of 55° at night is warm enough. If large plants for exhibition or large decorations are wanted, cuttings should be secured, if possible, in October, or as soon thereafter as possible, but very presentable plants may be grown this season if the hints thrown out herewith are intelligently carried out. Never allow the plants to become potbound until the time for blooming is approaching, when a weekly application of liquid cow manure may be given. The plants growing in 4-inch pots should be repotted into 6-inch and those in 5-inch into 7-inch, as the ball of earth is well filled with roots.

AT THOS. ROCHFORD'S, BROXBOURNE, ENG.

Retarded Lilium Lancifolium Cut for the Paris Market in the Bud Stage.

I do not believe in stopping fuchsias for the purpose of causing them to develop into bush plants, because the pyramidal form is preferable and more natural; besides this, the time of flowering is delayed until too late in the season for either spring sales or early summer decorating when the shoots are pinched. Where climatic conditions are such that the fuchsia makes an acceptable bedding plant in summer time, the pinching of the shoots might be permissible, but not otherwise. When the buds appear, which they will do on the leading shoot first, carefully remove them as soon as large enough to handle and keep on doing so until they appear uniformly all over the plant, when they may be allowed to open, and a very graceful plant should result.

Personally I prefer the single varieties because there is an easy grace about them which the double varieties lack. Raisers of new fuchsias are apparently striving to develop the flowers as double and as large as possible, but this destroys their natural grace and beauty. Varieties that are grown here and are satisfactory are the old Rose of Castille, Arabella (Mrs. Marshall), Wave of Life, Black Prince, Specosia and several double white varieties. I would like a single flowering white variety if I knew where it may be had.

EDWIN LONSDALE.

PLANT NOTES.

Propagating.

During the time firing is necessary, bottom heat for the propagating bench can always be had without extra cost and for this reason the bench should always be kept filled during winter and early spring. Although a very fine sand may be preferred for the smallest cuttings, a fairly coarse material is better for ordinary propagating. Nowhere is cleanliness more essential than in the propagating house. Given the requisite heat and moisture and absolute cleanliness, there is no reason why one cutting in 1,000 should fail under ordinary circumstances, but when fungus and damping sets in there is a very different tale to tell. In most propagating operations the heat below should be a few degrees higher than that in the atmosphere of the case or house, the idea being to keep the tops practically dormant while roots are forming. In the case of grafting roses or other plants, the roots of the stock will have been already excited before the grafts are put on, and here it is necessary to excite top growth in order to set up what may be termed a sap-circulation through stock and scion. For this reason the top heat should be maintained as high as the bottom, and ample moisture kept in the atmosphere to prevent any shrivelling of the scion growth. These may seem small matters but they render successful propagation much simpler and surer than can be the case when they are neglected.

Asters.

In some cases last year early flowering asters under glass proved profitable. The seed may be sown at once in a temperature of 55° in soil as described recently. When the seedlings have attained the first rough leaf prick them off into moderately deep flats about two inches apart and grow them on quite cool in a light airy house. Asters are not particular as to soil but a sandy loam is best. Plant out eight inches apart as soon as ready and grow them cool right along. Green fly and thrips must be kept in check; if once these insects get a good hold on the plants the chance for a good crop of flowers is a remote one. Sow the seed thinly and cover with one quarter of an inch of sandy soil. Queen of the Earlies is a good variety for growing under glass and the old Victoria is also excellent, large flowering and slightly later. Good telling colors and white are the best to grow and the quantity of each must depend upon the demand. The white is very useful for design work, when not disbudded, but for fine specimen blooms disbudding is essential.

Irwin C. Bertermann.
Treasurer National Flower Show Committee.

National Flower Show Fund.

Secretary J. H. Burdette, of the National Flower Show committee, has notified all subscribers to remit the first assessment of twenty per cent of their subscriptions now to Treasurer Irwin C. Bertermann, treasurer of the committee, at Indianapolis.

THE ROSE.

Notes in Season.

In looking over the list of rose novelties for 1908, it has been many years since we have had a better selection to choose from, and it is interesting to note that several of the most promising varieties are of American origin, showing that a deeper interest is being taken towards producing something new and better by hybridizing and not depending altogether on importations and sports. Some of our rosarians have given years of careful study and work, their object being to produce vigorous, productive plants, with well developed flowers of pleasing color and fragrance, Richmond being a fair sample of what can be done in this line here at home. The hybrid teas seem to predominate; from these we can expect fragrance as well as color and stem. A few of the recent novelties we predict a brilliant future for are My Maryland, a seedling raised by John Cook, of Baltimore, Md., a rose of the Killarney type, soft salmon pink in color which brightens up wonderfully as the flowers expand. A large vase of this variety at a recent exhibition was a sight well worth going a long way to see. Queen Beatrice made good at the same exhibition; this rose is a deep pink, shading out lighter to the outer petals, has fine stems and foliage and is beautiful under artificial lighting as well as by day. Mr. Kramer should feel proud of this introduction. Mrs. Jardine is another of great merit; it is also a hybrid tea, very fragrant, fine habit, the color a rosy pink, shading to salmon pink on the outer petals; the rose is said to be more productive than Bridesmaid, and holds its color throughout the trying month of January, when Bridesmaid is inclined to fall off a shade in color. Mrs. Potter Palmer, the new pink sport of Mme. Chatenay, is meeting with great success, I am told, by the originators, Poehlmann Bros. Co.; it bids fair to eclipse Mme. Chatenay. This being a splendid variety, an improvement must be fine indeed.

Rhea Reid has made a distinct hit wherever shown, very much resembling American Beauty in color, very vigorous, giving long stems and abundance of blooms. This fairly well describes the real novelties and these have all had a trying out with excellent results. Of course, there will be growers who will give these novelties only an ordinary test and others who, I feel assured, will be successful with them, as with Killarney and Richmond, two of the finest roses to my knowledge in cultivation, and if the novelties mentioned above do not become standard indoor forcing varieties within the next two or three years, I will be greatly mistaken. But growers should give them a fair trial, purchase enough to make a fair comparison with other varieties known to be profitable and give them the very best location. They should try them grafted and on own roots before discarding them. They have all been grown successfully by the originators or introducers.

To come back to our old stand-bys, Bridesmaid, Bride, Golden Gate, American Beauty, etc. These must not be neglected. The sun is now gaining strength and the plants should now show some effects of the increased light and air. The fires should be banked as early as possible on bright days, not to the extent of chilling the plants, but to do away with as much artificial heat as possible, not only for the sake of economy, but for the welfare of the plants. Ventilate carefully and as freely as possible. If the plants are vigorous and in good foliage, they will now stand an increase in feeding. This can best be accomplished by applying liquid manure at normal strength, if they have been given liquid manure along through the winter; if not, commence with a weak solution, applying once a week, increasing the strength as the plants show improvement. Cow manure may be used fresh for mixing the liquid or good sheep manure. The latter contains more ammonia and should require nearly twice the amount of water. Water on clear days and at the time the plants are making new growth. When in full crop, full

strength liquids may injure some of the flowers; at this time a weaker solution can be used. Very often after cutting a heavy crop at Christmas the plants will be at a standstill for some time afterwards. Although perfectly healthy, they do not seem to want to break into growth. A little nitrate of soda applied in liquid form will often have the desired result in this case, using about three-quarters of a pound to 50 gallons of water. After the plants begin to break freely the liquid manure will be the thing for them. Give the young potted roses plenty of air and never let them become dry; syringe them freely, and fumigate frequently. There is no excuse for the appearance of green fly on the young plants. E.

Caroline Testout and Its Descendants.

Now, since quite a number of rose enthusiasts on this side of the Atlantic are interested in raising seedling roses, it will be interesting to know the source of some of the good new roses that have been produced from seeds and sports, with the variety heading these notes as one of their parents, as described in Gardening Illustrated:

"It is doubtful whether a more useful rose was ever raised than Caroline Testout, for it has enabled us to embellish our gardens with a glorious variety of surpassing loveliness and, what is equally valuable, of lusty vigor. It was a happy idea of M. Pernet Ducher to hybridise that old rose Mme. de Tartas with Lady Mary Fitzwilliam, the former, no doubt, bequeathing to the seedling that marvellous vigor which has now become so well known. I have sometimes wondered whether the tendency of Caroline Testout to give light colored sports, and to produce white, or nearly white, seedlings, such as Irene, could be traced to the old and one time popular Devoniensis. It is well known that Lady Mary Fitzwilliam was raised by the late Henry Bennett from a cross between Victor Verdier and Devoniensis, and if this were established it would go far to explain the production of so many light colored hybrid teas which owe their origin on the one part, or indirectly to Lady Mary Fitzwilliam. It is an interesting subject which, with our limited knowledge of Mendel's theories, debars us from making any definite statement, but, even in the case of that peerlees white, Frau Karl Druschki, Caroline Testout is reputed one of the parents.

"Irene, before referred to, is a splendid variety, large and showy. It is one of the best of the white sports or seedlings from Caroline Testout, but it has one great defect, and that is a weak flower stalk. If it carried its flowers erect the same as Admiral Dewey, it would surpass that variety in beauty and size. But where this semi-drooping of the blossoms is not objected to, Irene will, undoubtedly, be found to be a good rose. I think the Caroline Testout group is pruned quite hard enough, as a rule. It is better to prune moderately; at the same time, supplies of new wood should be encouraged from the base by cutting right down each year one or more of the very oldest growths. Next to Irene and Admiral Dewey, the best seedling or sport of Caroline Testout is Margaret Guillot. In the early autumn this rose is very fine, and much the purest white of the three, but it is not such a commanding flower as Irene.

"A very charming soft pink seedling of Caroline Testout is Lucien de Lemos. This, I believe, will prove a very useful rose. It was raised from Princess A. de Monoco, crossed with Caroline Testout. Milly Crean is another lovely peachblossom pink variety of the old favorite. Its flowers are very large and distinct. Some mild sensation was

George Collins.
Peter Reinberg's greenhouse superintendent.

caused in the autumn by the exhibition of a number of striped and flaked flowers of Caroline Testout, the sport being named Mrs. Longworth, after President Roosevelt's daughter. If the particolor is maintained, it will be an interesting addition.

"A delightful rose, and one that should be in every garden, is Mme. Leon Pain. I do not know whether the lovely flowers of pink, with orange base, or the beautiful ruby-red foliage pleases me most, but this latter certainly lends a distinctness to the variety not to be lost sight of. It, without a doubt, inherits this deep-colored foliage from its pollen parent, Souvenir de Catherine Guillot, Konigin Carola, there is no doubt, will rank high as a garden rose. Recently its bold, massive flowers presented a lovely appearance, although the growth is scarcely vigorous enough. A few other really first-rate descendants of Caroline Testout are Marie Croibier, very rich in coloring; Frau Ernest Borsig, a novelty with a lovely white edging to its petals; George Laing Paul, one of the best of our colored hybrid teas; Aimee Cochet, and Frau Lillie Rautenstrauch. It should also be noted that to this old rose we are indebted for such varieties as Lohengrin, William Shean, Lady Ashtown and, possibly, the new Mme. Segond Weber."

Mme. Caroline Testout is well known in America as it at one time was used for forcing under glass, and it proved especially valuable for summer blooming, but it is now superseded by Mme. Chatenay, which has the appearance of also being a seedling from Testout. Perhaps some of the readers of the AMERICAN FLORIST will tell us whether it has been used on this side of the water for seedling raising purposes and if so, with what results. No other variety that I know of has so good a record as has Caroline Testout as a parent of good and useful roses, as the foregoing account will testify.

E. L.

THE Chilean government is doing much to encourage the cultivation of flax, ramie and heniquen in this country. Several liberal concessions have been granted and the effort is meeting with good success in the provinces south of Santiago. The soil and climate is well adapted to their culture.

HOUSE OF AMERICAN BEAUTY ROSES AT PETER REINBERG'S, CHICAGO.

THE RETAIL TRADE

The New York Retailers.

While the New York retailers may occasionally talk in a pessimistic vein, optimism always prevails in their show window decorations. The great variety of good stock that has this season been placed on the market at nominal figures has given the decorative branch of the business ample material with which to exercise its skill. It has been said that an appreciative audience is an incentive to oratory and the floral decorators of New York should be, and doubtless are moved to put forth their best efforts, for their audience is a vast multitude, always sympathetic and appreciative. When orchids are as cheap as they have been this season, it is a great temptation to the decorators to use them with a free hand, and however arranged they look beautiful, but their beauty is greatly enhanced by an appropriate setting

In the window of Chas. Thorley's Broadway store I recently noticed a beautiful decoration of cattleyas and oncidiums. For a background, large cibotiums were placed at an angle that showed the fronds at their best. Clusters of oncidium were arranged among the drooping fronds, where their foreground faced the glass; in front of these were the shorter stemmed but equally beautiful cattleyas, Asparagus plumosus nanus being twined about the bottom of the window. The glasses and holders are now a great aid to artistic window decoration. By their skilful use, a pleasing variety has already been produced in many stores, not only with orchids, but carnations, narcissi, violets and other flowers, and I doubt not that we shall yet see advancement.

Recently at the store of the Rosary Flower Co., near the Waldorf-Astoria, there was a handsome cattleya decoration, made effective by the use of glasses. A large wire hoop was suspended in the center of the window space and to this the orchid glasses were fastened, the effect being striking and original. The same scheme may be carried out with other flowers. In show windows where there are pillars, a grand effect is obtained by fastening the glass holders to these, and the decoration can be taken to the top of the window. For such form of decoration, carnations, or Golden Spur and Trumpet Major narcissi are admirable. Asparagus plumosus nanus is an excellent as well as a convenient green to use on the pillars.

While orchids are beautiful and elegant it does not follow that they are absolutely essential to the maintenance of a handsome window. Fine taste and the ability to put it in practice can make the most commonplace flowers work wonderful transformations. Many of us can recall some garden of a humble home, where the tiger lilies, sweet williams and hollyhocks were more pleasing to the eye than the carpet bedding of more extensive grounds. There is now a varied stock of foliage and flowering plants to draw from, and the decorators of the metropolis are quick to take advantage of the best. In writing of window decorations, I frequently mention Cibotium Schiedei; for an elegant background in a large window it has no equal, but other ferns and foliage plants have also their place. Nephrolepis Whitmani and N. Amerpohli make a handsome setting in a window decoration of medium sized flowering plants, or vases of cut flowers can be interspersed with the ferns with good effect. Both these ferns, cut, may be used in funeral work. Not long ago, I saw a pillow made up altogether of cattleyas and N. Whitmani and I doubt if better results could have been reached with Adiantum Farleyense.

The heliconias are now finding favor with leading decorators and we would like to see more of them in use. They are highly ornamental and require little accompaniment to make a splendid show. In Fleischman's Fifth avenue store, where there are spacious show windows, these plants have been skilfully used. The gardenia, both cut and as a pot plant, is now frequently seen in window decorations. At the Fifth avenue store of Thomas Young, Jr., they are being constantly used with fine effect. A sash

E. J. Fancourt.
Secretary S. S. Pennock-Meehan Co.

of gauze ribbon tied around near the base of the plant is now often seen and the effect is good; the same may be done with small ericas. The advancement in forcing has brought both the purple and white lilacs to the front as midwinter decorative plants.

Vanderbilt-Szechenyi Wedding, New York.

The most elaborate wedding decoration of the season, and one of the finest decorative effects ever produced in New York was for the wedding of Miss Gladys Moore Vanderbilt to Count Laszio Szechenyi, January 27. The decorations were executed by the Rosary Flower Co. of which J. H. Troy is manager. The ceremony took place in the ballroom of the bride's home. This room is 60x80 feet, the height being 42 feet.

The bride and groom took the solemn vows of matrimony, standing in an arbor, for the decoration of which 7,000 cattleyas were used. Other decorations of the room were on the same lavish scale. For the wedding breakfast, the bride's table, at which 36 persons were seated, was decorated with white orchids and orange blossoms. There were, in addition, elaborate decorations for 36 smaller tables, each seating 10 guests. The whole house was decorated, the floral work conforming to the color of the original decorations of each room.

FLORISTS' FERNS.

TEMPERATURE FOR ADIANTUMS.—Where adiantums are grown for cutting, on benches, a high temperature and moist atmosphere are not to be desired. When replanted, a rather higher temperature and closer atmosphere is needed for a time, but when again established bring the temperature down gradually to about 55° at night and the plants will produce harder and better fronds. Quicker growth can, of course, be secured by employing more heat, but the fronds will not be as lasting as when grown cool.

Notes in Season.

Those who planted good stock of adiantums in autumn have the satisfaction now of seeing fine early fronds and these will be well matured and ready for sale long before the spring planted stock is. Where it is evident that the plants have obtained a good hold on the compost there is little risk now, as the plants practically take care of themselves. This may be seen by the rapid growth of the fronds and the spreading of the color over their surface; in short, by the general thriving appearance of the plants. Those that have not a good hold, on the other hand, will often have the fronds wilting at the top before they commence to take on their proper color. The two classes of plant must be treated differently.

The healthy benches will need watering fairly often, twice a week at least if properly drained. If the soil is full of roots a little feeding may be indulged in, but it is easy to overdo this. The ordinary liquid manure is not so suitable for ferns as a concentrated fertilizer. Guano and soot are excellent manures for the purpose. The guano may be mixed with several times its bulk of dry soil or peat dust and sprinkled over the benches thinly and evenly a teaspoonful to each plant being a fair application. Soot should be given in liquid form by soaking a bag in a tub or tank as frequently described in these pages. Only the well clarified upper portion should be used, the bag being well stirred after use, not before. Soot water should be given almost clear to ferns of this kind, and only when the soil is damp beforehand.

The weak plants must not be fed at all, and water must be very sparingly applied. Endeavor by cultivating the surface to get the air down to the roots and see that the soil is well on the dry side before giving a fresh supply. When once a bench of ferns gets into really bad order it is often quite a long

At Thos. Rochford's, Broxbourne, Eng.
Retarded Lilium Lancifolium Rubrum.

(1)

THE SOCIETY OF AMERICAN FLORISTS

—What we have long needed.—

THE Florists of the United States have for a long time felt the necessity of an organization, national in character, honest and progressive in purpose. Such an organization is now an accomplished fact.

Who are Interested ?—The 15,000 people directly and indirectly engaged in the business, are certainly interested in a Society that will study and further their general good; the amateur, lady or gentleman; the lover of flowers in town or country; the gentleman's gardener, will all be interested in our Society, as the whole range of horticulture will be reviewed from year to year, and gardening in all its phases will be discussed in a manner that can not fail to profit all.

Who will be Benefited.—Alike, the Florist, with his acres of glass, and his humbler brother, with a few hundred feet; the decorative florist and dealer in flowers, the manufacturer and dealer in supplies of all sorts; the greenhouse builder and heating apparatus manufacturer, and all those interested in floriculture, whether for pleasure or profit.

The Aim of the Society—Is to lift up and carry forward all that tends to advance the growth of such a delightful occupation, to collect and diffuse from the best sources information that shall be beneficial to all its members, to care for and instruct all in the best modes of carrying on a successful business, to help those overtaken by misfortune and form a brotherhood worthy of the goddess Flora.

The Plan of Action—Is to have a yearly meeting at one of the larger cities; in connection with these there will be an exhibition—at such meetings the business of the Society will be conducted, the transactions of the year previous will be presented, and the programme for the ensuing year laid down. The exhibitions will be entirely novel, and of such interest as will be worthy of the Society of American Florists. The desirability of forming either a Hail Fund or a Hail Insurance Company is generally conceded, and it will receive careful thought and prompt action on the part of the Society at its first annual meeting in Cincinnati.

(2)

Practical Papers, short, concise and full of instruction will be read at the meetings, and printed with the reports of the Society each year. No new plant or flower, no device or invention of merit will go unrewarded. Medals and certificates will be given for deserving exhibits. The Society will take especial care to have everything reported in the best manner. The Constitution and By-Laws are in preparation, and will be presented at our first general meeting.

Action Taken.—At a meeting of representatives from eight different States, held in Chicago on June 19th, 1884, this Society was organized by the election of the following

OFFICERS.

JOHN THORPE, President, - - - Queens, N. Y.
J. M. JORDAN, First Vice-President, - St. Louis, Mo.
M. A. HUNT, Treasurer, - - - Wright's Grove, Chicago.
E. G. HILL, Secretary, - - - Richmond, Ind.

EXECUTIVE COMMITTEE.

ROBT. S. BROWN, - - Kansas City, Mo.
ROBT. CRAIG, - - Philadelphia, Pa.
J. C. VAUGHAN, - - Chicago, Ill.
ALFRED NEUNER, - Louisville, Ky.
ROBT. J. HALLIDAY, - Baltimore, Md.
ROBT. GEORGE, - Painesville, O.
B. P. CRITCHELL, - - Cincinnati, O.
W. G. NEWETT, - - Chicago, Ill.
HARRY SUNDERBRUCH, - - Cincinnati, O.

VICE-PRESIDENTS.

ROBT. H. HEATH, - Canada West.
EDWIN LONSDALE, - Pennsylvania.
C. E. ALLEN, - - - Vermont.
ALEX. MURDOCH, - - Pennsylvania.
LUTHER ARMSTRONG, - Missouri.
F. R. PIERSON, - - New York.
A. BRACKENRIDGE, - - Maryland.
R. MAITRE, - - - - Louisiana.
WALTER COLES, - - Delaware.
A. H. BUNDE, - - Minnesota.
J. D. CARMODY, - - Indiana.
GEO. P. LAMB, - - North Carolina.
A. DONAGHUE, - Nebraska.
CARL JURGENS, - Rhode Island.
PETER HENDERSON, - New Jersey.
W. R. SMITH, - Dist. Columbia.
FRANCIS MORAT, - Kentucky.
C. B. WHITNALL, - - Wisconsin.
C. A. REESER, - - - Ohio.
O. F. DUE, - - Salt Lake City, Utah.
MARCUS ELLIS, - - New Hampshire.
J. C. VAUGHAN, - Illinois.

Our First Meeting.—The first meeting will be held at Cincinnati, O., between the 12th and 25th of August, 1885. We can promise even at this early date a more numerous attendance than has ever been accorded to any similar organization.

Our plans are maturing for an exhibition, noble in its conception and differing in character from any before attempted. The interest already manifested by many of the members warrants this positive statement. A schedule of premiums with rules and regulations and a complete list of members to date will be ready early in January.

THE FIRST CIRCULAR OF THE SOCIETY OF AMERICAN FLORISTS, 1885.

time before it recovers and it is a vexatious crop to handle when in this condition. In really bad cases it is best to pull the plants right out, turn the soil in the bench up roughly, lay the plants in a warm, moist house for a time and replant when young roots are again starting freely. But such a drastic method as this should not be used until the cultivator has tried others to bring the plants into a satisfactory state of health. Once the roots are healthy and active it will not be long before the fronds take on a good color and grow freely.

There are often a lot of Boston ferns coming in at this time of year that have been used for holiday and store decoration and are in poor condition. They should not be left to lie about thickly on the benches, but should have all decayed and useless fronds taken off and be staged up carefully. When they again begin to grow, which they will do quickly unless in really bad health, they may be repotted if necessary and grown on in a house kept at a night temperature of about 55°. This will ensure their making good plants again by Easter. Propagating benches, where plants were bedded out last fall for runners should be kept just nicely moist, and if the centers of the plants seem to be taking an undue lead at the expense of the runners pinch these out. Do not allow the soil to become crusted on the surface. Where the soil is heavy some runners may be kept under for good this way. On the other hand, too frequent stirring of the surface may lead to some of the forwardest runners being snapped off and lost. Should it be necessary to plant out any more for stock it will be safest to pinch the center of each out at planting time, this leading to a free production of runners.

Division of old plants of pteris and others may be carried out now and the divisions will have the best of the season before them. Some of the ribbon ferns grow so freely from spores that it is hardly worth while dividing up old plants. But any choice or favorite variety of which it is desired to increase the stock must be so treated. If potted at once let the divisions go into the smallest sized pots they can and avoid overwatering at first. The size of the divisions will depend upon the class of plant needed. That pretty fern, Adiantum Farleyense, should not be divided into very small portions, or the increased heat needed to start them leads to weak attenuated growth that has to die off and be followed by other fronds before a good stocky little plant is produced. Loam of good quality leads to better results than a very light compost for this favorite fern.

COMMERCIAL.

Grand Special Prizes.

Society of American Florists.

NATIONAL FLOWER SHOW PREMIUMS.

The following list of premiums offered for competition at the National Flower Show at Chicago, November 6-15, 1908, covers all special offers definitely in hand January 22, 1908. It totals over $1,800 in addition to the S. A. F. medals.

The thanks of the committee are tendered to these public spirited and generous firms and individuals who have responded so nobly.

The many others who intend making similar offers are urgently requested to "HURRY UP" so that all may be included in the preliminary list now in press, as otherwise proper publicity and a good competition cannot be secured.

W. N. RUDD,
Chairman Premium Committee,
Morgan Park, Ill.

American Florist Co., 324 Dearborn street, Chicago.—Cup, value $25; class not yet specified.

B. K. & B. Floral Co.—Richmond, Ind.—For 50 blooms Sarah Hill carnation; $8 first; $5 second; 50 blooms Lawson-Enchantress carnation, $8 first; $5 second.

Chicago Carnation Co., Joliet, Ill.—50 blooms Andrew Carnegie carnation; $12 first; $8 second; $5 third.

W. H. Elliott, Oak square, Brighton,

(3)

Losses by Hail.—One of the first intentions of the Society of American Florists is to provide in the best manner an insurance against loss of glass by hail. To advise the best plans for this insurance it will be necessary that all information regarding losses by hail during the years '82, '83 and '84 be furnished the Secretary as soon as possible. We wish to investigate this thoroughly and ask our friends to report any losses and to state the NAME of the sufferer, DATE of occurence, quantity and PER CENT. of glass broken. This is a matter of vital importance to the Society and a compliance with the above is urgently requested that the Society may have facts and data as a basis for action.

Who are Eligible.—"All Florists, Gardeners, Seedsmen, Nurserymen, Superintendents of Parks, Manufacturers of Heating Apparatus, Greenhouse Builders and dealers in Florists' Supplies in the United States and Canada shall be eligible to membership in this Society."

The fact that the large membership here given of representative men of the trade is voluntary and received almost without effort, proves that with the extended circulation kindly given our announcement through the various trade journals and catalogues we shall procure for our next membership list, the name of nearly every man connected with our business. Your name should be sent to the Secretary, or to the Vice-President of your State, or other officer of the Society and the regular numbered receipt of the Treasurer will be sent. ***LET US HEAR FROM YOU.***

Annual Subscription.—The annual subscription is $2.00, entitling members to all the privileges of the Society. Most of our members so far, wishing to give the Society a good impetus in the shape of an incidental fund, have paid $3.00 extra, making a subscription of $5.00. We shall be glad of many other $5.00 subscribers.

For all particulars address:

E. G. HILL, Secy,
Richmond, Ind.

LIST OF MEMBERS SUBSCRIBING $5.00.

W. G. Newitt,	Chicago, Ill.	Frank Huston,	Chicago, Ill.
Herman H. Ritter,	Dayton, Ohio,	R. W. Coglan,	Niles Centre, Ill.
Peter Henderson,	Jersey City, N. J.	J. C. Vaughan,	Chicago, Ill.
J. M. Jordan,	St. Louis, Mo.	Anthony Wiegand,	Indianapolis, Ind.
Joseph Heinl,	Jacksonville, Ill.	B. P. Critchell,	Cincinnati, O.
Myron A. Hunt,	Chicago, Ill.	W. L. Smith,	Aurora, Ill.
Wm. H. Boomkamp,	N. Y. City.	John Goode & Co.,	Hyde Park, Ill.
George R. Mumma,	Dayton, Ohio.	James King,	Chicago, Ill.
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Robert George,	Painesville, O.	H. A. Dreer,	Philadelphia, Pa.

(4)

E. G. Hill,	Richmond, Ind.	David Clark,	Br'dwy N. Y City
Francis Morat,	Louisville, Ky.	William J Stewart,	Boston, Mass.
Frederick Sulzer,	Chicago, Ill.	Isaac Buchanan,	N. Y. City.
Exeter Machine Works,	Exeter, N. H.	H. J. DeVry,	Chicago, Ill.
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Harry Sunderbruck,	Cincinnati, O.	Gardner & Huntsman,	Cincinnati, O
William C. Wilson,	Astoria, N. Y.	Walter Coles,	Claymont, Del.
James Taplin,	Maywood, N. J.	A Brackenridge,	Govanston Md
John May,	Summit, N. J.	Reimers Bros.,	Louisville, Ky.
Antoine Wintzer,	West Grove, Pa.	John G. Heinl,	Terre Haute, Ind
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S A. Nutt, Esq.,	New York City.	Robert H Heath,	Woodstock, Ont
John Henderson,	Flushing, N Y	A Donaghue,	Omaha, Neb.
Young and Elliot,	N. Y. City	B A Elliot,	Pittsburgh, Pa.,
William Hamilton,	Allegheny City, Pa	Alfred Ray, Esq.,	Montreal, Ont
Charles Anderson,	Flushing, L. I	Frederick Hahrman,	Philadelphia, Pa
A. LeMoult,	N. Y City	Albert Fischer,	Cincinnati, O.
F. E. McAllister,	N Y City	S. S. Jackson,	Cincinnati, O
Louis Seibrecht,	Hinsdale, N Y.	Charles F Evans,	Philadelphia, Pa
August Rolker,	N Y. City	A Blanc,	Philadelphia, Pa
Ernest Asmus,	W Hoboken, N J.	John Young,	St Louis, Mo.

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S. M. Tracy,	Columbia, Mo.	George Welch,	Madison, N J.
John R. Hellenthal,	Columbus, O.	William Bennett,	Flatbush, N. Y.
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Edward Cornell,	Indianapolis, Ind	C. E. Allen,	Brattleboro, Vt
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Thorburn & Titus,	N Y City	Schiller and Kuske,	Niles Center, Ill
John Spalding,	New London, Conn.	William Underwood,	Ludlow, Ky.
Edward Eliot,	Milwaukee, Wis.	John Fries,	Newport, Ky.
Walter Gray,	Cincinnati, Ohio.	Mrs. O. P Fairchild,	Covington, Ky.
Joseph Glenn & Sons,	" "	Wm McKellar,	Chillicothe, O.
Frederick Kolthoff,	" "	Corbett & Wilson,	Cincinnati, Ohio.
F Philip Hasp,	" "	John Fenn,	N Y City, N Y
J N. Underwood,	Chesnot, Ohio	Henry Seebright,	New Rochell, N Y
W. T League,	Hannibal, Mo	R J Donovan,	Havelock, Ill
Chas Reissig,	Chicago, Ill	R J Purvis,	Havelock, Ill.
August Dresel,	Chicago, Ill	E Bonger,	Xenia, Ohio
Marcus Ellis,	Keene, N H	E W Guy,	Belleville, Ill

THR FIRST CIRCULAR OF THE SOCIETY OF AMERICAN FLORISTS, 1885.

Mass.—Cup, value $50; class not yet specified.

Alexander J. Guttman, 43 W. Twenty-eighth street, New York.—For 50 blooms Victory carnation; $12 first; $8 second; $5 third.

E. V. Hallock, Queens, N. Y.—For 12 blooms each of 12 varieties best hardy garden roses, or two plants in pots of each of the 12 varieties. Plants to stand zero to 10 degrees below. Exhibitor to select his own varieties; quality of blooms or plants, 80 points; desirability for growth under conditions named, 20 points; $50 first; $35 second; $15 third.

The E. G. Hill Co., Richmond, Ind.—Trophy; class not yet specified.

Horticultural Society of Chicago.—Medals, value $500; classes not yet specified.

Wm. F. Kasting Co., 383-387 Ellicott street, Buffalo, N. Y.—Cash $50; class not yet specified.

The King Construction Co., North Tonawanda, N. Y., and Toronto, Ont.—Cash $25; for 100 blooms carnations, any variety in commerce. Competition limited to those owning or operating not over 25,000 feet of glass.

Lord & Burnham Co., Irvington on Hudson, N. Y.—Gold medal for best general collection of orchids grown and exhibited by a private gardener.

Henry F. Michell Co., Philadelphia, Pa.—Cash $10; class not yet specified.

John C. Moninger Co., Hawthorne, Blackhawk and Smith avenues, Chicago.—Three cups; classes not yet specified.

F. R. Pierson Co., Tarrytown on Hudson, N. Y.—For 50 blooms Winsor carnation; $12 first; $8 second; $5 third. 50 blooms White Enchantress carnation; $12 first; $8 second; $5 third. Cup, value $25, for best specimen Nephrolepis Piersoni elegantissima grown in not over 12-inch pot or pan.

Poehlmann Bros. Co., Morton Grove, Ill.—Cash or cup, value $25, for 100 blooms Mrs. Potter Palmer rose.

Quaker City Machine Co., Richmond, Ind.—Cash $25; class not yet specified.

Chicago Florists Club, Chicago.—Trophy value $50; class not yet specified.

Chrysanthemum Society of America.—Cup for 10 blooms, one variety chrysanthemum, any color.

W. W. Coles, Kokomo, Ind.—Cash, $10; class not yet specified.

Wm. P. Craig, 1305 Filbert street, Philadelphia, Pa.—Cup, value $30, for 50 blooms Mrs. Jardine rose; grown by grower with not more than 50,000 feet of glass.

The Albert Dickinson Co., West Taylor street and the river, Chicago.—Cash $25; class not yet specified.

Peter Reinberg, 51 Wabash avenue, Chicago.—Cup, value $25; class not yet specified.

W. N. Rudd, Morgan Park, Ill., and Jensen & Dekema, 674 W. Foster avenue, Chicago.—For 50 blooms Carnation Defiance; $12 first; $8 second; $5 third. Donors barred from competition.

Robert Scott and Sons, Sharon Hill, Pa.—Cup, value $30, for 100 blooms Mrs. Jardine rose.

S. S. Skidelsky, 1741 North Eighteenth street, Philadelphia, Pa.—Cash, $25; class not yet specified.

Elmer D. Smith & Co., Adrian, Mich.—Cash, $50, for best 25 blooms chrysanthemums of American origin, five or more varieties shown in one vase, not less than 36-inch stem. To be judged from commercial standpoint. Undisseminated varieties admissible.

Society of American Florists.—Ten silver gilt medals; 25 silver medals; 25 bronze medals; classes not yet specified.

The Storrs & Harrison Co., Painesville, O.—Trophy, $25; class not yet specified.

Charles H. Totty, Madison, N. J.—Cup, value $50, for 6 vases of chrysanthemums, single varieties, one color to a vase; 20 sprays in each vase.

Ellwanger & Barry, Rochester, N. Y.—Silver cup for best collection of hybrid perpetual roses.

Frank H. Traendly, 44 W. Twenty-eighth street, New York.—Gold, $50; for

36 chrysanthemums, six varieties in one vase.

Wm. Duckham, Onunda, Madison, N. J.—Cash $25; class not yet specified.

W. A. Manda, South Orange, N. J.—Ornament set with precious stones, value $250; class not yet specified.

Kroeschell Bros. Co., Chicago.—Gold, $25; for best vase carnations, not less than 25 blooms any variety in commerce. Must be grown in houses heated by hot water; gold, $25, to the exhibitor using hot water exclusively for heating, who wins the greatest number of prizes at the show.

Foley Manufacturing Co., Chicago.—Two silver cups, each $25; class not yet specified.

Wietor Bros., Chicago.—Cash, $25; class not yet specified.

A. Dietsch Co., 615-621 Sheffield avenue, Chicago.—Cash $10; class not yet specified.

Henry A. Dreer, 714 Chestnut street, Philadelphia, Pa.—Cash $200; classes not yet specified.

Vaughan's Seed Store, Chicago and New York.—Two cash prizes in gold, $20 each, and two silver cups, $25 each; classes not yet specified.

The Cottage Gardens Co., Queens, N. Y.—Cup, value $100, for best vase 100 carnations, variety either not yet in commerce or not introduced to commerce prior to 1906.

Welch Bros., 226 Devonshire street, Boston, Mass.—Cash, $25; class not yet specified.

J. F. Wilcox, 521 Broadway, Council Bluffs, Ia.—Cup, value $35; class not yet specified.

R. Witterstaetter, Cincinnati, O.—For 50 blooms Afterglow carnation; $12 first; $8 second; $5 third.

SALT LAKE CITY, UTAH.—Local nurserymen report a profitable season, about the same as last year, and with as good an assortment of stock on hand as was ever grown in this part of the state. The demand continues to be for fruit and shade trees which find ready sale in Utah, Colorado and Idaho. Secretary Sowles of the Utah Nursery says he can remember, without any effort, when Fremont county, Idaho, was a dreary, sagebrush waste. But now it has been planted up with thousands of trees, so that the aspect of the country has been entirely changed. Salt Lake valley has improved wonderfully, also, in reforestation in the last 20 years.

OBITUARY.

The Late Gustave Wittbold.

Gustave Wittbold.

Gustave Wittbold, the third son of Geo. Wittbold, passed away at his home in Chicago, January 24. He had been ill only a few days, a case of grip quickly going into pneumonia. Mr. Wittbold was born July 11, 1871, and was one of the five sons, all of whom have had their share in building up and maintaining the large interests of the Geo. Wittbold Co. Since the incorporation of this firm, some eight years ago, Gustave has been in charge of the retail department, maintaining two stores, one at 512 N. Clark street and the other at 1657 Buckingham place. He was well liked by all of his customers and acquired a reputation as an artist in his own line. He leaves a wife and two children, and is survived as well by his father, mother and four brothers—Henry, Fred, Louis and Otto. Funeral services were held in Graceland chapel January 27, at 3 p. m., and were largely attended by the local trade.

W. B. K. Johnson.

W. B. K. Johnson, of Allentown, Pa., one of the leading nurserymen of Pennsylvania, died January 22, aged 70 years. He made his fortune in the early 70s, when he made trips to Cuba and South America importing shiploads of parrots to the United States and selling them at great profit. He was an authority on fruit growing, and was long on the staff of both the Pennsylvania and National Agricultural Departments. In his large nurseries near Allentown, he had more than a million trees.

Michel Crozy.

Michel Crozy of Lyons, France, died recently at the early age of 58. He had not long succeeded to the business of his father, the late Pierre Crozy who was famed for his canna garden at Hyeres. Michel Crozy was much esteemed by all who knew him and leaves a widow and three children.

Andrew De Voe.

Andrew De Voe, seed merchant, died at his home, 1919 Bryant avenue, the Bronx, New York, January 26. He was a son of the late Stuart De Voe, who founded the business by starting a seed farm in West Farms in 1838.

John F. Noll.

John F. Noll, a member of the Newark, N. J., Board of Trade, and a seed merchant of that city, died at his home there January 22 of pleuro-pneumonia. He was 38 years old and was a native of Myerstown, Pa.

LYGODIUM SCANDENS is one of the best ferns for trailing, or hanging baskets.

AZALEA HEXE, with its bright red blooms, has made a pronounced bid for favor.

SOOT and lime in equal proportions will do away with those slimy spots on the benches.

REMEMBER that the best stock was never yet produced from weak or diseased cuttings.

GOOD growers of lily of the valley do not care to change the sand, in which the pips are grown, too often.

THE value of lime rubbish and burnt refuse as an additon to soils for cucumbers and tomatoes is not sufficiently appreciated.

FUNKIA VARIEGATA from retarded roots is becoming a popular market plant in England. It should be worthy of consideration on this side, for it is undoubtedly a beautiful plant.

FIELD OF LETTUCE AND SWEET PEAS OF THE HAVEN SEED CO., LODI, CAL.

THE AMERICAN FLORIST

TWENTY-THIRD YEAR.

Subscription, United States and Mexico, $1.00 a year; Canada, $2.00; Europe and Countries in Postal Union, $2.50. Subscriptions accepted only from those in the trade.

Advertisements, on all except cover pages, 10 Cents a Line Agate; $1.00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed only on consecutive insertions, as follows—6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

Space on front pages and back cover page sold only on yearly contract at $1.00 per inch net.

The AMERICAN FLORIST Advertising Department is for florists, seedsmen and nurserymen and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Monday to secure insertion in the issue of the same week.

When sending us change of address always send the old address at the same time.

We do not assume any responsibility for the opinions of correspondents.

Photographs.

We are always pleased to receive good pictures of trade subjects. Send them prepaid by mail or express carefully packed to prevent injury in transit. Pack them flat, not rolled, with name and address of sender on the back of each picture.

THE AMERICAN FLORIST,
324 Dearborn St., Chicago.

THIS ISSUE, 72 PAGES WITH COVER.

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Marcellus A. Patten.

Marcellus A. Patten, who has been chosen president of the American Carnation Society for 1908, is well entitled to the honor bestowed. Mr. Patten has been a member of the S. A. F. almost since its organization, being recorded on the membership list of 1886-87. He has been a member of the Carnation Society since 1898 and has, through his firm, held a front place among the New England carnation growers, the product of its establishment at Tewksbury, Mass., ranking high in Boston both for market and for exhibition. He will do credit to the office.

A COMPLETE report of the meeting last week of the National Council of Horticulture will be found on page 21.

EXPERIENCED American Beauty rose growers, who have a light soil only at command, prefer grafted to own root plants.

W. N. RUDD'S comments elsewhere in this issue on the varieties shown at Washington are commended to all carnationists.

"THE Rose Bush; It Blooms Monthly," is the title of a Philistine-like publication published in the Lennox Building, Cleveland, O.

THE beautiful and sweetly scented Daphne Mezereum should be planted in sunny warm nooks where its flowers are delightful in early spring.

SUBURBAN LIFE is now owned by the S. S. McClure Co., and is expected to come forward as a rival of Country Life and the Garden Magazine.

THE pupils of the public schools of Illinois have, it is said, voted to choose the purple violet as state flower and the white oak as the native state tree.

PANSIES are not usually too plentiful around Easter and a simple way of having an abundance is to sow seed of a good strain now and devote a bench to them.

SOME of the new chinaware shown this season is very beautiful and artistic, but there appears to be a danger of turning florists' stores into china shops. And, after all, flowers look far nicer in plain vases than in figured ones.

IT is reported that there are 206,000 empty freight cars idle on the railroad tracks of this country at the present time. The bank failures in 1907 are more than 13 times greater in money involved than during 1906.

The Cottage Gardens Co. won four firsts out of the eight classes of 100 blooms; other winners of firsts in these classes were E. G. Hill & Co., Chicago Carnation Co., H. Weber & Son, and John Reimels, each winning one.

THE introduction of new varieties is such a live question to both introducers as well as buyers that the paper of Mr. Skidelsky and the letter regarding it by C. L. Washburn will be read with interest everywhere. We shall be glad to have further comments.

ON the attendance at and interest taken in the Washington convention the Carnation Society may well felicitate itself of all the children of the S. A. F. None can claim conventions better attended or flower exhibitions in which greater interest is regularly taken.

LAWSON-ENCHANTRESS as a name for a commercial carnation, considering that we have already an Enchantress and a Lawson, is about the weakest thing in nomenclature that has come to our notice. A fine, large package of woe awaits the wholesale cut flower grower who attempts to handle it under that name.

WM. TRICKER, of Arlington, N. J., calls our attention to an error in a reprint article on "Waterside Plants," wherein Aponogeton distachyon is described as having flowers of a bright yellow. This is so obviously wrong that it would not deceive anyone acquainted with these plants, as the flowers are well known to be white, with purple stamens. It is a true aquatic rather than a waterside plant.

GLASS is very cheap at the present time notwithstanding the fact that there is less in the hands of both the manufacturers and jobbers than there has been in years on account of the long delay in the factories getting started, very few having operated since April 20, 1907. The demand for greenhouse glass is very good now and it is expected by the best informed people that prices must be higher within a few days.

CUSTOMERS have to be studied when preparing cut flower or plant decorations and many insist on a greater quantity of both flowers and plants being used than is necessary to create a good effect. But florists in some instances foster this by using these in too large numbers, even without orders, and the beauty of individual specimens is often lost. Much of the beauty of kentias and other palms lies in the fine, graceful stems and these are too often hidden by masses of other plants right up to the foliage. Many of the baskets sent out are solid masses of foliage and flowers, the outline, where stray fronds or leaves escape, being the only pretty part about them.

Rose Name Changed.

W. N. Rudd, secretary of the Society of American Florists, informs us that Paul Niehoff of Lehighton, Pa., desires to change the name of his pink rose, registered as Aurora, to Lovely, as he learns there is a European variety in existence bearing the former name.

The American Rose Society.

ADDITIONAL PRIZES.

There is offered a silver cup, valued at $25, by H. F. Michell Co., Philadelphia, Pa., for 50 blooms of Kate Moulton rose.

F. R. Pierson Co., Tarrytown, N. Y., offers a silver cup, valued at $25, for the best new rose not in commerce nor yet exhibited before the American Rose Society.

There has been mailed to every florist or grower located in Chicago a copy of the schedule for the annual exhibition. August Poehlmann, Morton Grove, Ill., is duly appointed chief of the executive committee to represent on the spot the American Rose Society. Any entries, prizes or other matters should be forwarded to the secretary of the society. BENJAMIN HAMMOND.

Fishkill-on-Hudson, N. Y.

The Rust Disease of the Hollyhock.

The New York College of Agriculture, department of plant pathology, Ithaca, N. Y., is now undertaking a careful and exhaustive study of this hollyhock disease. It is well known as one of the most serious and widespread of the plant. Under the most serious attacks of the disease the plants are almost entirely defoliated and the blossoms greatly reduced both in size and number. Some preliminary experiments previously carried on indicate that this disease can be readily controlled by the use of certain spray mixtures. It is now proposed to test this out the coming summer and publish a full account of the disease and how it may be controlled. The solution of this will undoubtedly be of great benefit to the seedsmen, many commercial florists and all who cultivate the hollyhock for pleasure or profit. H. H. Whetzel, assistant professor in charge of this, asks for contributions of seeds or cuttings of any hollyhocks, hibiscuses or mallows for use in these trials. He hopes not only to determine what spray mixtures are most efficient, but to ascertain if any varieties are immune to the disease.

Department Store Flowers.

ED. AMERICAN FLORIST:—

Can some one tell us why the department stores can sell violets 25 in a bunch at 10 cents per bunch, while the cheapest violets selling at wholesale are 12½ cents per bunch. We cannot see why the wholesaler or grower does not give the retailer opportunities like this. The department stores make money on nearly everything they sell, particularly in Kansas City, and this has occurred time and time again and we would like to be advised by some one of the American Florist's readers.

Kansas City, Mo. A. E.

Meetings Next Week.

Dayton, O., February 6.—Dayton Florists' Club, 37 E. Fifth street.

Des Moines, February 4, 8 p. m.—Des Moines Florists' Club, Iowa Seed Co.'s store.

Detroit, Mich., February 5, 8 p. m.—Detroit Florists' Club, 38 Broadway.

Grand Rapids, Mich., February 3.—Grand Rapids Florists and Gardeners' Club, Board of Trade rooms, Pearl street.

Hamilton, Ont., February 4, 8 p. m.—Hamilton Gardeners' and Florists' Club, office of member.

Indianapolis, Ind., February 4, 7:30 p. m.—State Florists' Association of Indiana, State house.

Louisville, Ky., February 4, 8 p. m.—The Kentucky Society of Florists.

Milwaukee, Wis., February 6, 8 p. m.—Milwaukee Florists' Club, Quiet house, corner Broadway and Mason streets.

Minneapolis, Minn., February 7, 8 p. m.—Minneapolis Florists' Club, Latham's Conservatory, 83 South Tenth street.

Montreal, Que., February 3.—Montreal Gardeners' and Florists' Club, Alexandria rooms, 404 St. Catherine street, West.

New Orleans, La., February 5, 8 p. m.—German Gardeners' Club, 624 Common street.

Newport, R. I., February 5.—Newport Horticultural Society.

Ottawa, Ont., February 3 and 4.—Canadian Seed Growers' Association, fourth annual convention, Canadian building.

Pasadena, Cal., February 7, 8 p. m.—Pasadena Gardeners' Association, G. A. R. hall, East Colorado street.

Philadelphia, Pa., February 4, 8 p. m.—Florists' Club of Philadelphia, Horticultural Hall, Broad street above Spruce.

Pittsburg, Pa., February 4, 8 p. m.—Pittsburg and Allegheny Gardeners' and Florists' Club, 422 Sixth avenue.

Seattle, Wash., February 4.—Seattle Florists' Association, chamber of commerce, Second avenue and Columbia street.

Utica, N. Y., February 6, 8 p. m.—Utica Florists' Club, Hotel Martin.

Washington, D. C., February 4, 8 p. m.—Florists' Club of Washington, 1214 F street, N. W.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with Adv.

Plant Advs. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1908 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—By a practical florist store greenhouse or private place rather preferred. Key 418, care American Florist.

Situation Wanted—As gardener or foreman on private or commercial place; age 32; life experience; good reference J. REDPATH. 30 Lincoln St., Auburn, New York.

Situation Wanted—By a young man with five years' experience in general greenhouse work. Private place preferred; English; age 22; reference. Address P. EDWARDS. 51 Rutland St., Watertown Mass.

Situation Wanted—As gardener on private place with glass; head or single; Chicago or California preferred; age 28, single; 15 years' experience; well up in gardening in general; references Key 420, care American Florist.

Situation Wanted—By experienced greenhouse man; age 28, one in family, 15 years' experience in fruit roses, carnations, 'mums and all bedding plants, etc. Want position in private place; best of references. Key 412, care American Florist.

Situation Wanted—As responsible gardener; thoroughly understands the management of gentleman's estate; life experience in greenhouses, flowers and vegetables; good English and Canadian references: married; age 36; total abstainer. BATTEN, East Sherbrooke, Quebec, Canada.

Situation Wanted—As foreman or assistant gardener by a young Scotchman, experienced in carnations roses, chrysanthemums and general greenhouse work, also capable of handling men, also well up in landscape work; best of references sober and reliable. Address Key 415, care American Florist.

Situation Wanted—By grower, German, 28, single; 15 years' experience cut flowers and general stock; specialty roses and carnations. To take full charge or will take section of roses or carnations on good reliable place; best of references; state full particulars with salary please. Key 416 care American Florist.

Situation Wanted—By experienced greenhouse man; American and European experience in greenhouse plants, landscape and vegetable. Want position in Detroit or vicinity at commercial or private place, private preferred; best of references, strictly sober, single. address 1136 Grand Ave., Toledo, Ohio.

Situation Wanted—As foreman or manager by sober experienced florist and landscape gardener; good grower of roses carnations, 'mums, palms, ferns fancy pot and bedding plants; practical experience in greenhouse building; best of references; state wages and particulars in first letter. Key 414, care American Florist.

Situation Wanted—As working foreman or good all around man on small or large commercial or private place, by sober, steady man; not afraid to work; 28 years' practical experience; good propagator and grower of cut flowers, bedding and pot plants; landscape gardening, vegetables, nursery stock, etc.; German, middle-aged; married, no children; best of references; look for place now or later. E. DEUTSHER. General Delivery, Chicago.

Help Wanted—A man to work in rose section also two men for general greenhouse work; state wages without board. Address Key 340, care American Florist.

Help Wanted—Wire worker wanted for a Kansas City floral concern; state experience, age, nationality and wages desired Address ALPHA FLORAL CO. Kansas City, Mo.

Help Wanted—Decorator and designer; one who has some knowledge of plants; single man preferred. References and wages in first letter. Address Key 410, care American Florist.

Help Wanted—Competent gardener and greenhouse man for estate at Grosse Pointe Mich must be married; employment by the year and found. Address. LOYD WILSON, 703 Breitmeyer bldg., Detroit, Mich.

Help Wanted—First-class grower of carnations 'mums and potted plants; capable of taking full charge of a commercial place (40,000 sq. ft. of glass), and handling help; none but a hustler and and not afraid of work need apply; salary and liberal commission; single; middle aged. Key 419, care American Florist.

Wanted to Lease—Place of not less than 8000 feet of glass in Pennsylvania, Ohio, Illinois or Indiana with privilege of purchase after one year. Key 417, care American Florist.

Wanted—A good florist. Here is a chance for a steady, industrious florist to get in a business that pays from the first day on. $500 cash for security only. Will give half of the income from the greenhouses; there is about 10,000 feet of glass. The reason is that I want to spend more time in my store. M. REITZ. 1110 Vliet St., Milwaukee, Wis.

For Sale—A large florist refrigerator with mirrors and marble base at a bargain A. B. ELLSWORTH, 17 N. 6th St., Allentown, Pa.

For Sale—Five 50-ft. greenhouses and stock, in good condition, located within the city limits; six years lease on ground; will make price very cheap in order to make quick sale. W. E. MCKISSICK, 1619 21 Ranstead St., Philadelphia, Pa.

For Sale—Greenhouses with stock; about 20,000 ft. glass; well stocked with all kinds of bedding plants ferns palms and cut flowers; for terms inquire of MRS. HUGO BOOK, College St., or L. C. MIDGLEY, Worcester Conservatories, Worcester, Mass.

For Sale—Two houses each 14x100 and one 5½x100 ft., opposite the largest cemetery here; one and one-half acres of land, living rooms above office; a good man on carnations and bedding stock can do well here. F. W. MEYER, Florist, Kalamazoo, Mich.

For Sale—A greenhouse plant in Colorado Springs, Colo., of about 19,000 feet of glass all stocked and just coming in good bearing condition steam heat; city water; cheap coal; six room cottage with plant, one acre of ground. This is a rare chance for a man with a family to help or a party that wants a higher altitude; good trade; fine soil and water the best. A. D. JONES, Broadmoor, Colorado Springs Colo.

For Sale at a Sacrifice.

Seven greenhouses. For particulars see my adv. in this paper of Jan. 16 and 23. W. H. HUMFELD FLORAL CO., Kansas City, Mo.

FOR SALE.

Well established retail cut flower store; Wishing to give my whole attention to the landscape gardening feature, I desire to dispose of the cut flower department of my business; it is a good opening for a live man. Price reasonable.

LEONARD RUBER, 2003 Fairmount Ave., Philadelphia, Pa.

OFFICIAL S. A. F.

Shipping Labels

Actual size of leaf 2¾ x 5¼ inches.

FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Price: Per 500, $2.85, per 1000 $4.50 Samples on request. Electro of leaf, postpaid, $1.25. Cash with order.

AMERICAN FLORIST CO.

324 Dearborn St., CHICAGO.

PETER REINBERG,

51 Wabash Avenue, CHICAGO.

LARGEST GROWER IN THE WORLD.

Will Take Care of Your Regular Orders.

1,580,000 FEET OF GLASS.

We are in full crop on all Roses and especially long Beauties.

	Per doz.
American Beauties,	
Extra long stems,	$4.00
30-inch stems	3.00
24-inch stems	2.50
18-inch stems	2.00
15-inch stems	1.50
12-inch stems	1.25
Short stems	.75 to 1.00

	Per 100.
Mrs. Marshall Field and Killarney]	
Best	$10.00 to $15.00
Short to medium	6.00 to 8.00
Liberty and Richmond	
Best	8.00 to 10.00
Short to Medium	5.00 to 7.00
Golden Gate Select..	8.00 to 10.00
Short to medium	4.00 to 6.00
Perle	4.00 to 8.00

	Per 100.
Chatenay Select	$10.00 to $12.00
Short to medium	6.00 to 8.00
Bride and Bridesmaid	6.00 to 10.00
Sunrise	6.00 to 10.00
Uncle John	6.00 to 10.00
Ivory	6.00 to 10.00
Carnations	3.00 to 4.00
Lily of the Valley	3.00 to 4.00
Asparagus Plumosus	2.00 to 3.00

ROSES, OUR SELECTION, short to medium stems, all fresh stock, $4.00 per 100.

Old Nick in Flowers.

At the national convention of the Veiled Prophets of the Enchanted Realm held at Syracuse, N. Y., October 1, a rather unusual floral piece was executed, among other devices, by Bard & Davis, of his satanic majesty and the illustration herewith is reproduced from a photograph taken there.

HENRY M. ROBINSON & CO.

WHOLESALE AND COMMISSION FLORISTS,

Florists' Supplies and Hardy Cut Evergreens.

15 Province St., 9 Chapman Place, BOSTON, MASS.

Telephones: 2617-2618.

Hardy Cut **Dagger** and **Fancy Ferns**, Al qual., per M, $1.50
Green Galax, ...$1.00 per 1000; $7.50 per case of 10,000
Brilliant Bronze Galax.....per 1000, $1.00; 10,000, $8.50
Wild Smilax, per case. .....$3.50 and $7.00
Laurel Festooning, made up good and full,
per yard.....5c and 6c
Branch Laurel, per bunch.....50c
Sphagnum Moss.....per bag 50c.; 5 bags $2.

EXTRA FINE CUT BOXWOOD

Florists' Supply Price List on Application.

HARDY CUT FERNS

Fancy and **Dagger**, extra fine, $1.50 per 1000.

Bronze and **Green Galax**, $1.25 per 1000. **Leucothoe Sprays**, $1.00 per 100: $7.50 per 1000. **Sphagnum Moss**, extra large bales, per bale, $1.25. **Boxwood**, Bunches 35c. 50-lb. $7.50.

Fancy and **Dagger Ferns** our specialty. A trial will convince you that we ship only first-class stock.

Headquarters for **Florists' Supplies** and **Wire Work**. All **Cut Flowers** in season.

MICHIGAN CUT FLOWER EXCHANGE, (Inc.)

All Phone Connections. **38-40 Broadway, DETROIT, MICH.**

Mention the American Florist when writing

THE KERVAN COMPANY,
113 West 28th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves. Galax, Leucothoe, Ferns, Mosses and all Decorative Evergreens.

Sphagnum Moss and Cedar Poles.
Moss, 5 barrel bale, $1 25: 2 bales, $2.25; 5 bales $5.00; 10 bales, $9.50. **Poles**, 2-in. butt, 8 ft. long, $15.00 per 1000; 2½-in. butt, 10 to 12 ft. long, $22.50 per 1000; 1½-in. butt 5 to 7 ft. long, $10.00. Cash.
H. R. AKERS, Chatsworth, N. J.

George Cotsonas & Co.

Wholesale and Retail Dealers in all kinds of

Evergreens.

Fancy and Dagger Ferns, Bronze and Green Galax,
Phone 1202 Mad. Sq.
Main Store, 50 W. 28th St., NEW YORK.
Mention the American Florist when writing

Extra ...Fine Beauties, Roses and Carnations

NOW IN CROP

We are growers of this stock and guarantee our flowers fresh cut, well sorted and carefully packed.
Buy direct of the grower and get your flowers in first-class shape.

PRICE LIST.

AMERICAN BEAUTIES.

	Per doz.
Extra long	$4.00
Stems 24 in. to 30 in.	3.00
Stems 18 in. to 20 in.	2.00
Stems 15 in.	1.50
Stems 12 in.	1.00

KILLARNEY.

Extra long and select, per 100	$12.00
Good average lengths, per 100	10.00
Medium lengths, per 100	$6.00 to 8.00
Short stems, per 100	4.00

RICHMOND.

Extra long and select, per 100	$12.00
Good average length, per 100	10.00
Medium length	8.00
Short length	$4.00 to 6.00

BRIDES, MAIDS and PERLES.

Extra long and select	$10.00
Good average length	8.00

BRIDES, MAIDS and PERLES.

	Per 100
Medium length	$ 6.00
Short	4.00

BULB STOCK

EASTER LILIES, Giganteum, per doz.	$2.00
LILY OF THE VALLEY, per 100	$3.00 to 4.00
TULIPS PAPER WHITE, and DAFFS. per 100	$2.00 to 3.00

CARNATIONS.

Pink, White, good stock	$2.50 to $3.00
Fancy long Enchantress	4.00
Fancy long red O. P. Bassett	6.00

ASPARAGUS STRINGS, heavy, per string	$ .50
ASPARAGUS SPRAYS, per 100	$2.00 to 3.00
SPRENGERI, per 100	$1.50 to 2.00
SMILAX, extra fine, per doz.	$1.50 to 2.00
ADIANTUM, per 100	1.00
GALAX, green and bronze, per 1000	1.25
FERNS, per 1000	2.00

On orders amounting to $2.00 or over we make no charge for boxes.

BASSETT & WASHBURN, 76-78 Wabash Avenue, ... CHICAGO.

Southern Wild Smilax

Now Ready in Quantity. E. A. BEAVEN, Evergreen, Ala.

National Council of Horticulture.

A meeting of the National Council of Horticulture was held at the Auditorium Annex, Chicago, January 22. In accordance with the original stated composition of the council, the term of service of the delegates at large was arranged so that one-third or three of the number should expire at the end of each calendar year. The delegates were accordingly divided into groups as follows:

Terms expiring December 31, 1907—J. H. Hale, H. C. Irish, Professor E. J. Wickson.

Terms expiring December 31, 1908.—J. Horace McFarland, Professor L. R. Taft, Professor W. W. Tracy.

Terms expiring December 31, 1909.—Professor W. B. Alwood, Professor S. Beach, Professor S. B. Green.

By unanimous vote, the following were elected to succeed those whose terms expired December 31, 1907: Professor R. S. Macintosh, Auburn, Ala., to succeed H. C. Irish; Professor W. T. Macoun, Ottawa, Ont., to succeed J. H. Hale; Professor E. J. Wickson, Berkeley, Cal., to succeed himself.

It was voted to request the national organizations represented in the council, if agreeable to them, to take necessary action authorizing the secretary of such organizations to be one of the delegates to the council.

After full and free discussion the following plan was arranged for the press bureau service for the coming year:

(1) That at least 68 articles be used or four for each week for a period of 17 weeks.

(2) That these articles be sent on each of the 15 weeks from February 15, to May 31, and the last week in September and first week in October.

(3) That the secretary be authorized to expend not more than $75 for the preparation of 50 articles, which, with 20 already in hand, will give the desired number.

(4) That these articles be prepared at the earliest practicable time, and copies made and submitted to the delegates from the contributing organizations for their approval.

(5) That the matter be sent to about 500 newspapers and newspaper syndicates (through whom it goes to several thousand publications), which will cost $30 per week for four articles.

(6) That a schedule be prepared giving the title of each article to be used, and the date when it is to be sent out; this schedule to also include a list of the newspapers and newspaper syndicates to which the articles are to be sent.

The secretary reported funds on hand of $114.28 and he has been advised that the Society of American Florists have set aside $150; the American Association of Nurserymen, $200; the American Seed Trade Association, $200, or a total of $550 for the purpose of the council, which together with the funds actually in the hands of the secretary make a total of $664.28 for press bureau service during the year. The schedule of expenses as outlined amounts to $585 which, if expended, will leave a balance at the end of the year of $79.28.

A letter was read from J. Horace McFarland, suggesting that an effort be made to encourage the improvement of the planting conditions about country schools, by including in the press bureau service articles which would show the desirability of such planting, and enlarging upon the bleakness and unattractiveness of so many of the country schools, and to emphasize the desirability of using for the most part, hardy native plants, and at the same time, where school grounds are sufficiently capacious, to encourage the development of the children's garden idea. The writer referred to several examples, namely: Washington, D. C., Yonkers, N. Y., and Rockford, Ill., where much has been done along this line. It was proposed to get a few such articles prepared.

John P. Scherer

UNION HILL, NEW JERSEY.

New York Branch: 468 Sixth Ave., bet. 28th and 29th Sts., New York. Telephone 6237 Mad. Sq.

SMILAX, FERNS, PALM LEAVES

and all kinds of GREEN GOODS.

Mention the American Florist when writing

A letter was read from J. F. Wilson, secretary of the American Nut Growers' Association, giving suggestions in reference to the exploitation of horticulture, and explaining the work that is being done by that organization.

A letter was read from J. W. Fitch, secretary of the Wisconsin Cranberry Growers' Association, inquiring about the press bureau service and the practicability of using a few articles on the importance of cranberries as an article of diet. The secretary was instructed to correspond with Mr. Fitch offering to use four articles at the approximate cost for such service of $25.

Letters were read from officers of several state and district societies in response to a circular letter sent out by the secretary of the council to such bodies some weeks ago.

H. C. IRISH, Sec'y.

Cheer Up.

A little old man came riidng by,
Said I—"Old man your horse will die."
"Suppose he does" I'll tan his skin
And, if he lives, I'll ride him agin."

"The Busiest House in Chi ago."

We are now receiving a very large stock of **Fancy Carnations, Roses, Violets, Valley** and all **Bulbous Stock.** We can fill orders of any size. WIRE US.

J. B. DEAMUD CO., 51 Wabash Ave., Chicago.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of CUT FLOWERS

Chicago.

TRADE FAIRLY ACTIVE.

Trade has been fairly active the past week, with prices generally a little stiffer. McKinley day helped out considerably with the sale of carnations, especially red, but funeral work has been the main dependence and large quantities of white stock of all sorts have been moved. Bride roses early in the week continued rather on the short side of the market, in spite of the fact that these are now coming in good crops. Bridesmaid and Killarney are also coming in large quantities. Richmond remains about the same as heretofore with the demand taking about all that comes in. Carnations have been very slow sale, but the demand has improved very considerably, although prices were still down early in the week. The cold spell shortened the supply somewhat and at the same time helped sales. Violets are down in price and slow sale. Lilies are a trifle scarce, but they are in small demand. Roman hyacinths and Paper White narcissus also move slowly. Daffodils are meeting with a better demand. Green stock generally is not very active, but common ferns are in good demand for made-up work.

NOTES.

Christian Clemensen, of Cheltenham Beach, has acquired a plot of ground at the corner of Seventy-eighth street and Railroad avenue and will erect thereon two large show houses, 26x150 feet and 32x100 feet, respectively. These will be built fronting the two stores and into the angle form he will gradually place the range now located at 8128 Sherman avenue and where he carries a fine line of bedding and decorative stock.

Edwin A. Kanst, secretary of the Horticultural Society of Chicago, read a paper on "Trees and Shrubs" at Boulevard hall, Garfield boulevard and Halsted street, January 22, at the meeting of the Illinois Federated Women's Clubs, third district. About 150 were present. The address covered questions of varieties, planting, and insect enemies.

Geo. Fisher, local buyer for the H. A. Fisher Co., of Kalamazoo, Mich., report that firm opened a branch store at 41 N. Jefferson avenue, Battle Creek, on January 29. A big reception was held and every visitor was given a carnation as a McKinley day souvenir. Music was a feature of the day.

Some account of the life of Gustave Wittbold, who died last Friday, will be found elsewhere in this issue. It was a rather melancholy coincidence that made the day of the funeral (January 27) the same as the thirty-fifth birthday of his brother Louis.

Some very fine Winona carnations are to be seen at the Kennicott Bros. Co's. place. At E. E. Pieser's home on Tuesday evening 300 of them, sent there by the originators, F. Dorner & Sons Co., were used, and Mr. Pieser says they appear to better advantage under artificial light than blooms of any other variety he has seen.

A big fire Tuesday night destroyed a million dollars worth of buildings and stock on Wabash and Michigan avenues. The Keith firm, burned out about 9 o'clock at night, had an advertisement of their new location in the next morning's paper!

The Chicago delegation to the Washington convention of the American Carnation Society includes the following: August Poehlmann, W. N. Rudd, J. E. Jensen, Geo. Asmus, J. S. Wilson, A. T. Pyfer, Peter Olsen, A. F. Longren and Fred Lautenslager.

Wietor Bros.' place is in especially fine shape at the present time, carnations never having appeared to better advantage than now. Houses devoted to the cultivation of Lawson are in especially heavy crop.

Miss Mary Hicks, of Racine, Wis., has taken over the business of her sister, the late Mrs. C. W. Pike. Miss Hicks has this week been the guest of Mrs. W. E. Horton at her Evanston home.

J. D. Carmody, of Evansville, Ind., who has been spending a few days in town, plans soon to start for a Pacific coast trip via Florida, Cuba, and Panama.

Bassett & Washburn report the beginning of big crops of Bride, Bridesmaid and Killarney roses from which they are cutting very heavily.

Peter Reinberg, Anton Then, Adam Zender and John Fichter are hunting and fishing in the neighborhood of Elberta, Ala.

Weiland & Risch report the possession of a new seedling rose of which they report wonderful things.

Abe I. Simmons is still in the hospital and though scarcely holding his own last week seems to be mending, as we go to press.

L. H. Vaughan and wife are to be congratulated on the arrival of a baby girl at their home.

Greenhouse builders here report more inquiries than in any previous January.

J. E. Hauswirth's baby boy, aged 4 months and 21 days, died last Saturday.

J. B. Deamud on Friday last left to spend a few days in Michigan.

Visitors: H. E. Philpott, Winnipeg, Manitoba; Fred Rentsehler, Madison, Wis.; Frank Stuppy, St. Joseph, Mo.; C. B. Knickman, representing McHutchison & Co., New York.

Kennicott Brothers Company,

WHOLESALE CUT FLOWERS.

48-50 Wabash Ave., CHICAGO.

Did you see WINONA at the convention? If not, see the cut at our store. We handle and sell the cut.

We will have anything in the line of CUT FLOWERS and Greens that you may want if anybody has at Chicago market prices on day of shipment.

KENNICOTT BROS. CO.

L. D. PHONE, CENTRAL 466.

48-50 Wabash Ave., CHICAGO.

WIETOR BROS.

Wholesale Growers of..... **CUT FLOWERS** 51 Wabash Ave., CHICAGO

	Per doz.
American Beauties, extra long stems	$5 00
30-inch stems	4 00
24-inch stems	3 50
20-inch stems	3 00
18-inch stems	2 00
15-inch stems	1 50
12-inch stems	1 25
8-inch stems	75c to 1 00

	Per 100
Bride	$ 6 00 to $10 00
Bridesmaid, fancy	6 00 to 10 00
Killarney, fancy	10 00
" good	5 00 to 7 00
Kate Moulton, fancy	10 00
" " good	5 00 to 7 00
Richmond, fancy	10 00 to 15 00
" good	6 00 to 8 00

	Per 100
Chatenay, fancy	$10 00 to $12 00
" good	6 00 to 8 0
Uncle John, fancy	6 00 to 10 00
Perle	4 00 to 8 00

ROSES, Our Selection, $4.00 per 100

	Per 100
CARNATIONS, fancy	$4 00
" good	3 00

All other stock at lowest market rates. The above prices are for select stock. Extra select or inferior stock billed accordingly. No charge for packing. Prices subject to change without notice.

Roses, Violets, Carnations and other **CUT FLOWERS of best quality**

E. H. HUNT

—SEND FOR PRICE LIST.—

76 Wabash Avenue, CHICAGO.

Florists' Supplies AND Novelties.

E. C. AMLING

THE LARGEST, BEST EQUIPPED, MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.

32, 34, 36 Randolph Street, CHICAGO.

L. D. 'Phones Central 1978 and 1977.

DAILY SHIPMENTS OF

Cut Flowers

From 40 to 60 Growers.

"Greens" Our Specialty.

E. F. Winterson Co.,

45-47-49 Wabash Avenue. CHICAGO.

Mention the American Florist when writing

Chas. W. McKellar

51 Wabash Ave.

CHICAGO.

ORCHIDS

A Specialty

Fancy Stock in VIOLETS VALLEY, ROSES, BEAUTIES, CARNATIONS and a full line of all Cut-Flowers, Greens, Wire-Work and FLORISTS' SUPPLIES.

Send for Complete Catalogue.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO

Telephone, Central 3284.

WEILAND - AND - RISCH

Wholesale Growers and Shippers of

CUT FLOWERS

59 Wabash Ave., CHICAGO.

'Phone Central 879.

Write for our wholesale price list.

WHOLESALE FLORISTS

Poehlmann Bros. Co.

Wholesale Growers of and Dealers in **Cut Flowers**

All telegraph and telephone orders gvien prompt attention.

Greenhouses: MORTON GROVE, ILL. 35-37 Randolph St., CHICAGO.

Wholesale Flower Markets

CHICAGO, Jan. '29.

Roses, Beauty, extra fancy	$ 5 00
" " 24 to 30-in. stems	4 00
" " 12 to 20-in. stems	1 25@ 3 00
" " Short stems	75@ 1 00
" Killarney	6 00@15 00
" Bride, Maid, Ivory, Gate.	6 00@10 00
" Liberty, Richmond	6 00@15 00
" Chatenay, Perle	6 00@12 00
Carnations	1 50@ 4 00
Violets	25@ 75
Lilium Harrisii, per doz.	2 00@ 2 50
Callas, per doz.	2 00@ 2 50
Cattleyas, per doz.	6 00
Lily of the valley	2 00@ 4 00
Pansies	1 00@ 1 50
Tuberoses	5 00@ 6 00
Stevia	2 00
Smilax, per doz.	2 00
Asp. Plu. & Sprengeri, bunch	50
Asparagus strings, each	75
Adiantum, per 100	75@1 00
Leucothoe sprays	75@ 1 00
Ferns, per 1000	2 00
Galax, green, per 1000	1 00
" bronze, per 1000	1 50
Boxwood, per bunch	35
Sheet moss, per bag	3 50

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO,

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

Vaughan & Sperry,

Wholesale Florists,

58 and 60 Wabash Ave., CHICAGO.

WRITE FOR SPECIAL PRICES.

The Geo. Wittbold Co.

1657-1659 Buckingham Place, CHICAGO.

The only retail florist in Chicago who grows his own cut flowers.

Funeral Work Orders Our Specialty.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO

A. L. Randall Co. 19-21 Randolph St., **Chicago.**

FANCY WHITE LILAC $1.50 per bunch. **READY NOW.**

——All bulbous stock in large supply.——

ORDERS BOOKED ONE DAY IN ADVANCE.

All other seasonable cut flowers in good supply.

St. Louis.

PRICES HOLDING UP.

The market the past week has held up well and the scarcity of white flowers has been apparent. Graduating exercises and funeral work, together with other social events, has caused the week to be a very busy one. The weather up till midnight of Wednesday was warm and spring like. By Thursday morning it was below freezing and at time of writing it is cold and clear. Quite a few yellow and white tulips with long stems are in and sweet peas are also coming in with longer stems. Violets have been very abundant; prices for January have proved much lower on these than last year. Asparagus Sprengeri and A. plumosus are selling well. Roses have brought good prices and carnations are holding up well.

HORTICULTURAL SOCIETY MEETING.

The Horticultural Society met in annual session January 21 in the Odeon building under the most favorable auspices, with about 40 of the most interested members present, for the purpose of receiving the annual reports and the election of officers for the ensuing year. The meeting was called to order and presided over by Vice-President J. H. Gundlach. After the usual ceremonies incumbent on such occasions the secretary read the first annual report, the principal points of interest being, that the society first sought existence in October, 1906, and had succeeded in presenting to the city of St. Louis during the last year one beautiful spring show and one still greater fall show, upon which the officers reflect with much pleasure. One hundred and fifty members are enrolled to date and the greatest enthusiasm prevails. The treasurer read his report which was short but wholesome and showed a very heavy balance on hand to commence the new year with, in addition to having withstood one free show and one that lacked the proper attendance.

Edward Mallinckrodt was unanimously elected president. Leonard Matthews first, Alexander Waldbart second, J. B. Gazzam third, and J. H. Gundlach fourth vice-president; Fred C. Weber treasurer and Otto G. Koenig secretary. The following 10 were elected as an executive committee: F. W. Brockman, C. B. Nicholson, C. C. Sanders, Theo. Miller, Fred C. Weber, Hy. Young, A. Meyer, Jr., Fred H. Meinhardt, Emil Schray, and A. Jablonsky. Twenty directors and several standing committees will be appointed by the president in due course. Anxiety was expressed for the holding of a spring show, and the matter referred to the executive committee, who, it is expected, will reproduce one similar in beauty to the one held last spring, if in fact they cannot improve on same; this show will be held some time in March.

NOTES.

Mrs. Charlie Schoenle was brought home last week from the sanitarium after undergoing a painful operation. She is anxious to get back in the store but Charlie says no, not within a month.

Young & Sons' mail orders are pouring in. They had the decorations for dinner at the Planters' hotel given to the directors of Butler Bros.' notion establishment.

J. W. Dunford is again in the retail business in the down-town district; he has also a store in the west end managed by Mrs. Osterlag.

E. G. Kelley and W. F. Petschonek have a very pretty store; they had the bouquets at Central high school for the graduating exercises, red carnations being used.

Grand Leader is selling large quantities of bulbs and seeds. Frank Bucksart is in charge of this department.

Werner Bros. have three houses of carnations and California violets; their stock is looking very fine.

C. A. Kuehn reports trade as good, plenty of stock, a slight shortage in roses.

Visitor: Martin Reukauf, Philadelphia, Pa.

W. F.

Cleveland.

LILIES SCARCE.

Business the past week has been very brisk in all lines, especially the funeral trade. All flowers have been cleaned up each day, especially roses and light colored carnations. Lilies are sold ahead of arrival and Harrisii has not been delivered for the past week on account of all the storage stock being cut and the new stock not having matured as yet, although reports show a good supply in the next few weeks. Bulb stock of all kinds is coming in in large quantities and selling better than the past few weeks. Stevia is about all done; the last seen was Saturday from J. W. Wilson's. Lily of the valley has been a short item here for some time and prices in this line have held up well. Sweet peas are coming in with a rush, and the quality extra fine; prices rule about the same as a year ago, with everything sold. Asparagus plumosus and A. Sprengeri are both in good demand with a good supply in sight. Smilax still remains in oversupply and practically a drug on the market. Common ferns have advanced to $2 per 1,000 under a sharp market. Single violets at this writing are in good demand with good supply.

NOTES.

The writer, in company with the following, paid a visit of inspection to the Lamborn Floral Co. of Alliance. My genial escorts were Isaac Kennedy, of West Park; John Merkel, of Mentor; T. J. Kirshner and George W. Smith of the Cleveland Florists' Exchange, who handles the stock from this firm. This plant consists of a modern range of glass comprising houses all 300 feet long and 30 feet wide all built in the most improved manner in the last few years. The firm makes a specialty of roses and carnations, although a large variety of stock suitable for a large market is also grown. American Beauty rose is grown here in large quantities and the success has been so that it will add to the already large planting by further additions the coming season. Bride, Bridesmaid, Mme. Chatenay and Richmond are also grown. All the two and three year old stock are on their own roots and this year's planting is all grafted stock. Mr. Bodtick, the superintendent, thinks the latter method will in time replace the own root stock. In carnations we saw all the standard and new varieties grown to perfection with a steady cut in sight. Smilax and asparagus are also grown in large quantities, also lilies including callas, Harrisii and longiflorum. Bulb stock is handled only in a lesser way, the chrysanthemum houses being utilized for this purpose. The heating plant consists of two 100 h. p. boilers with traps for returning the condensation. One great feature of this place is a large manure tank that can be heated to any temperature for feeding the entire system of houses. This place is one of the largest and most productive plants in this section and by the appearance, the proprietor, L. L. Lamborn, and the superintendent deserve great credit. After inspection we were taken to dinner at the Kappler house, as guests of the firm, after which, Mr. Lamborn escorted us for a drive of sight seeing through the city and surroundings. The trip was a most enjoyable affair and our most hearty thanks were extended the firm and its heads for the generosity and good fellowship shown us.

Miss Lucile Schmitt, formerly bookkeeper for Smith & Fetters, will be married to Jas. G. Moore on February 5. The best wishes of the craft will go with them as Miss Schmitt has been very popular among the trade.

Don't forget carnation night at the club February 10, as some of the growers have something good under the hat to show you. Some real roses and other stock will also be shown, also a good time.

Mr. Jones, head decorator for The Gasser Co., will leave shortly for California for his health; the employes are planning a swell reception for the send off.

Knoble Bros. of West Twenty-fifth street have had one of the prettiest windows in this city for some time. FORESTER.

Buffalo.

TRADE ONLY FAIR.

Weather conditions have varied the past week, from extreme cold to a heavy snowstorm followed on Sunday by rain. Trade has not been rushing. The opening of a new hotel gave the florists one busy day. Funeral work has been the only other work. Roses are plentiful, as also are carnations. Bulb stock is now coming in in good quantities. The thermometer at the present time registers 10° above zero, with a bad wind, making it about the coldest day we have had this winter.

It seems now that the talk of removing the Botanical Garden may be a reality. Several propositions have been suggested for locating the greenhouses on park property. The latest is building on the Pan American grounds with a proposed greater university, all being a continuation of the beautiful Albright art gallery, the Historical Society building, the new Natural Science building, all being on the Pan American grounds and adjoining the park. If carried out as projected it would be an ideal thing for this city. It seems too bad to have to remove the Botanical Garden and greenhouses after the years spent in erecting them. If rebuilt it would be at least five years before they would again be open for the public good as at present, but such is the outlook.

The first consignment of bulb salesmen arrived last Tuesday, followed up by the Hon. Harry Bunyard as usual bound somewhere and in a hurry. W. J. Smith, representing Wm. Boas & Co., Philadelphia, Pa., also called.

They say the charter of the Florists' Club is

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations and all kinds of Seasonable Flowers in stock.

WM. F. KASTING CO. Wholesale Commission Florists.

BUFFALO, N. Y.

Florists' Supplies and Wire Designs.

—THE—

J. M. McCullough's Sons Co.

Wholesale Commission Florists.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

locked up in Wm. F. Kasting's safe. Should President Neubeck get in the same room as that safe is in, there might be a meeting.

J. B. Wiese, czar of the Chippewa market, departed for Chicago on Thursday on a pleasure trip.

The Buffalo Cut Flower Co. is handling some extra fine Bride and Bridesmaid roses at present.

The Wm. Scott Co. is getting some fine roses and carnations from its Corfu greenhouses.

BISON.

Minneapolis.

BUSINESS SLOW.

There has been a very marked scarcity of roses for the past two weeks; carnations are tolerably plentiful, but do not come near meeting the demand. Bulb stock is very plentiful, and extra good. Growers are busy putting in their carnation cuttings, and otherwise preparing for spring and summer trade. A number of the customers who patronize the higher class stores have gone south, and their absence is felt in the diminished orders.

NOTES.

The Twin City Florists' meeting, January 21, at Holm and Olson's store in St. Paul was attended by about 75 florists from the two cities. A lot of business was transacted. E. Nagel read a paper on "Spring Plants" which was generally discussed. A smoker followed the meeting, and there are prospects of better coalition among the florists than there has been for a long time.

Theodore Wirth has been ill the greater part of the past week, but is now out again.

Visitors: B. Eschner from M. Rice & Co., Philadelphia, Pa.; W. J. Phare, of Willmar, Minn.

M.

PASADENA, CAL.—Committees have been appointed to arrange for the annual flower show of the Gardeners' Association, which will be held on April 2-4, inclusive.

CANON CITY, COL.—The Colorado Horticultural Association will hold its next annual convention in this city in February, according to an announcement made by President W. S. Coburn. It is the purpose of the board to make the gathering the largest ever held by the organization.

Wholesale Flower Markets

CLEVELAND, Jan. 29.

Roses, Beauty	75@ 6 00
" Bride, Maid	4 00@12 00
" Richmond, Chatenay	4 00@12 00
Carnations	3 00@ 5 00
Lilies	12 50
Lily of the valley	3 00@ 4 00
Violets	50@ 1 00
Asparagus plumosus strings	75 00@100 00
" per bunch	35c@50c
" Sprengeri, per bunch	35c@50c
Smilax	15 00@18 00
Adiantum	1 00@ 1 50
Common ferns, per 1000	$2 00
Galax, green	1 25
Galax, bronze	1 25
Roman hyacinths	3 00@4 00
Paper Whites	3 00@4 00
Stevia	1 00@ 1 50
Pansies	1 50
Sweet peas	1 00@ 1 50

BUFFALO, Jan. 29.

Roses, American Beauty	7 00@50 00
" Bride, Bridesmaid, Meteor	4 00@15 00
Carnations	2 00@ 5 00
Lily of the valley	3 00@ 4 00
Asparagus, strings	50 00@60 00
Smilax	15 00
Adiantum	50@ 1 50
Lilies	4 00@15 00
Galax	per 1000, $1 50
Ferns	per 1000, 1 50
Violets	60@ 1 25
Mignonette	3 00@ 5 00
Narcissus	2 00@ 3 00
Sweet peas	40@ 1 00
Stevia	1 00@ 1 25
Hyacinths	2 00@ 3 00
Freesias	2 00@ 3 00
Tulips	3 00@ 4 00
Daffodils	3 00@ 4 00

MILWAUKEE, Jan. 29.

Roses, Beauty	75@ 5 00
" Liberty, Chatenay	3 00@10 00
" Bride, Bridesmaid	3 00@10 00
" Meteor, Golden Gate	3 00@10 00
" Perle	4 00@ 6 00
Carnations	2 00@ 4 00
Smilax	$1 50 per doz.
Asparagus, sprays	3 00
" Sprengeri	2 00@ 3 00
Lily of the valley	3 00@ 4 00
Adiantum	1 50
Violets	50@ 1 00
Common ferns	$2 00 per 1000
Harrisii	$2 00 per doz.
Paper Whites	2 00@ 3 00
Romans	2 00@ 3 00
Stevia	1 50@ 2 00
Tulips	3 00@ 4 00

ST LOUIS, Jan. 29.

Roses, Beauty, long stems	3 00
" " medium stems	1 50@ 2 00
" " short stems	50@ 1 00
" Bride	4 00@10 00
" Bridesmaid	4 00@10 00
" Chatenay, Richmond	4 00@10 00
" Killarney	4 00@10 00
Carnations, common	1 50@ 2 00
" best	3 00@ 5 00
Smilax	12 50@15 00
Asparagus Sprengeri	1 00@ 2 00
" plumosus, strings	25 00@40 00
" cut sprays	1 00@ 2 00
Ferns, Fancy	per 1000, $2 00
Lily of the valley	3 00@ 4 00
Violets, California	25@ 40
Narcissus	2 00@ 3 00
Callas	12 50@15 00
Sweet peas	50@ 1 00
Roman hyacinths	2 00@ 3 00

CINCINNATI, Jan. 29.

Roses, Beauty	$2 00@$ 6 00
" Bride, Bridesmaid	3 00@ 8 00
" Richmond	4 00@ 8 00
" Golden Gate	4 00@ 8 00
" Ivory	4 00@ 8 00
Carnations	3 00@ 4 00
Lily of the valley	4 00
Violets	1 00
Daisies	30
Callas	10 00@12 50
Harissii	15 00
Roman hyacinths	3 00
Narcissus	3 00
Smilax	12 50@15 00
Asparagus plumosus and Sprenger in bunches	per bunch 25c
Eastern Ferns	per 1000, $2 00
Galax, Green and Bronze	$1 00

PEORIA, ILL.—The will of the late John Bloompot has been filed for probate in the county court. The estate consists of $4,500 in real estate, and $500 in personal property. The widow of the deceased refused to act as executrix of the estate, whereupon the eldest son, Michael Bloompot, of Tremont, was asked to administer the affairs of the estate, and he filed his petition for appointment January 17.

Buffalo Cut Flower Co.

468 Washington St.,

BUFFALO, N. Y.

J. N. BAILEY, Manager.

YOU

Give us your order. Guarantee satisfaction. We handle only the best

Carnations, Roses, Violets, Valley,

Etc. Also Wire Designs and all kinds of supplies.

Weiland & Olinger,

128 E. Third St., CINCINNATI, OHIO.

Wholesale Growers and Shippers of Cut Flowers.

Greenhouses, NEW CASTLE, IND.

Mention the American Florist when writing

WM. C. SMITH & CO.

WHOLESALE FLORISTS.

Bell, Main 2018. Kinloch, Cent. 410.

1316 PINE ST., ST. LOUIS, MO.

Mention the American Florist when writing

H. G. BERNING,

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

RICE BROTHERS

Wholesale Florists and Supplies,

115 N. 6th St., MINNEAPOLIS, MINN.

CUT FLOWERS received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities.

Holton & Hunkel Co.

Wholesale Florists

Milwaukee, Wis.

MONROE, MICH.—Otto H. Cron says that trade has been very good the first half of January, much funeral work helping in this. He looks for a large spring trade.

WOOSTER, O.—In the interest of horticultural work, Professor W. J. Green of the State Experiment Station, urged a more extensive cooperation of all who are interested in horticulture at the recent session of the Ohio Horticultural Society. W. H. Goodwin delivered an address on "Comparative Methods of Orcharding and Disposing of the Products" and Professor A. D. Selby lectured on "Plant Diseases in 1907." Professor H. A. Gossard talked on the "Observations of the Season."

Spring Flowers SINGLE TRUMPETS, WHITE LILACS, WHITE and YELLOW DAISIES.
SWEET PEAS, PANSIES, TULIPS.
THE LEO NIESSEN CO., Wholesale Florists, **1209 Arch St., Philadelphia, Pa.**

Mention the American Florist when writing

Wholesale Cut Flowers **Killarneys, Valley, Carnations** in large lots at lowest market prices. Consignments solicited of **Ivory, Maids** and **Beauties.** Settlements Weekly.
Washington, D. C. JAMES J HARTY & CO., 1312 G St., N. W.

WHOLESALE CUT FLOWERS. **Valley, American Beauties, Brides and Maids, Sprengeri, Asparagus Plumosus, Carnations and Violets,** all seasonable flowers. Large stock of **Stevia** on hand can supply you at lowest market prices on short notice. Telephone or telegraph when you need cut flowers to
HENRY M. ROBINSON & CO., 15 Province St., 9 Chapman Place, **Boston, Mass.**
Tel. Main 2617-2618. All orders will have prompt attention. A trial order will convince you.

Philadelphia.

BUSINESS FAIR.

A baby blizzard swept over the city last Thursday, leaving in its trail the heaviest snow of the season. No damage resulted, however, the only trouble being delayed street car and railway travel. There is not much snap to business, but there appears to be enough doing to keep any surplus from accumulating. Although considerable extra glass was added the past summer and is all in working order the various avenues of trade seem to take up the increased stock and it has made appreciable difference in prices. White roses are the color that just now makes the best returns, as anything worth while brings $8, while the higher grades readily command $12 and $15. American Beauty is a trifle more plentiful; $5 to $6 per dozen is now asked for the specials. Fancy Killarney and Richmond are much in demand at $15 and a few higher. They are worth it, as one storekeeper expressed it, just to look at. Fancy carnations are seen in all the leading varieties, some few selling as high as eight cents. Spring flowers, tulips, daffodils and other like blossoms are now plentiful and there is a drop in the prices. The best Golden Spur are down to $3, as are also tulips. The new crop lily of the valley is making its appearance, the first cutting of this season's importation being sent in from the Floracroft Gardens, Moorestown, last Monday. Sweet peas are much more plentiful this season than we believe they have ever been in this market. Very good stock is seen in all colors, prices ranging from 50 cents to $1.50 per 100; $6 per 100 sprays is about high for freesias, very good stock being offered at $2.50 to $3. Orchids are plentiful with the price holding very well. Cattleyas have not sold below $5 per dozen for good fresh stock.

NOTES.

The carnation meeting at Washington is the center of attraction this week and many of the craft will take a run down to look over the new things to be seen there for the first time. Wm. P. Craig will have a vase of the new rose, Mrs. Jardine, at the convention. He is booking a lot of orders for this novelty. There are many visitors to the Scott nurseries at Sharon Hill to see it growing and interested parties seldom come away without leaving an order for some of the stock. Dennis Connor, representing the Lord & Burnham Co., will also attend. E. J. Fancourt will be there in the interest of the S. S. Pennock-Meehan Co., which is selling rooted cuttings of many of the best varieties. E. A. Stroud, of Strafford, is taking a few of his best cut blooms, his Beacon particularly being about as good as seen anywhere. Jos. Heacock has a very fine pink which should also get a place, as it will certainly be in the race.

The Wm. Graham Co. had the decorations for a large private ball at Horticultural Hall last week. The color scheme was pink, large quantities of Enchantress carnations being used, as well as pink roses. The ceiling was canopied with greenhouse smilax which extended over the entire dancing floor. Quantities of palms and ferns were also used. These with the addition of thousands of small electric lights made a very beautiful display.

The Leo Niessen Co. is having the best orchid season this firm has ever experienced. Mr. Niessen says the demand for orchids is rapidly growing. They offer at this time a splendid lot of cattleyas and Lælia anceps alba.

Hustling John McIntyre keeps his immense stock of single violets moving, finding a ready sale for them. Daffodils are also a feature of his stock.

E. Reid has just returned from a trip south as far as North Carolina. He reports trade quite up to the mark through this region.

Wm. McKissick's storeroom presents a brilliant showing of carnations these days. It is like a miniature carnation exhibition.

K.

Boston.

TRADE TEMPORARILY DULL.

A decided falling off in trade during the week has worried the minds of the pessimists but with little real foundation. The first real winter weather came in with a rush the latter end of the week. High wind, several days of the expected low temperature and a heavy blizzard, have strongly reminded us that the winter is not yet gone. Carnations and bulb stock have been burdensome and a heavy surplus is accumulating. Roses of most varieties are plentiful, but still are at top prices. With the beginning of the week an improvement in this stock is expected. American Beauty is at a premium, the local market being entirely off crop and the foreign markets meeting the trade with excellent stock. Very few of these roses can be purchased at less than $9 per dozen. As fine a selection of Killarney as has ever been displayed in the city are now coming in. They are more in demand than all other roses combined. Richmond and Mme. Chataney have been disappointing: they having weakened under the sudden changes of the weather. A limited amount of excellent Bride and Bridesmaid is being received and meet with popular approval. The large sales of bulb stock and novelties have seriously hampered the moving of carnations, and in consequence the market is over-supplied. Some rare specimens of fancy and ordinary orchids are displayed and with violets and gardenias are the choicest products of the market. Flowering plants of new varieties are slow in coming to view. Genistas have re-appeared during the week and are excellent.

NOTES.

It was a merry party that left for the carnation show on the 9 o'clock train, January 27. Composing the delegation were a representative party of the carnationists of New England, and men famed for their interest in other products, including Wm. Nicholson, Peter Fisher, M. A. Patten, Allen Pierce, Geo. Buxton, Samuel Goddard, Wm. Sim. A. Roper, E. Sutermeister, and Messrs. Strout, of Biddeford, Me.; Mitchell, of Waterville, Me.; Midgeley, of the Worcester Rose Co., and McManmon, of Lowell.

It will be good news for the numerous acquaintances of Walter Holden, who for several years has represented L. E. Small in the Music Hall Market, to learn that his recovery from a siege of typhoid fever is now assured. He is now sitting up daily and is expected out in a week or two. Mr. Holden has been ill since Thanksgiving and has undergone a severe strain and his case has appeared hopeless several times.

The many friends of Bernard McGinty, the genial salesman of the Music Hall Market, extend their deepest sympathy to him, he having buried during the week his daughter Marion, age 18 months, she being a twin to his daughter, who is alive and well. The case is particularly sad and her loss is severely felt by both father and mother.

W. H. Elliott is showing as fine a crop of Killarney roses as has ever been seen by the local growers. With a large, well colored bloom, admirably supported by a long and strong stem, well furnished with foliage of unusual vigor, this rose has few if any superiors and is the choice of the present rose market.

J. Fuller, of Leominster, is disposing of an excellent crop of Easter lilies at the Park Street Market, through his salesman, Wm. Aylward. Mr. Fuller is a new shipper to Boston and his goods have rapidly found their way to the higher class products.

B.

CARNATIONS, TULIPS, ROSES.

Very Fine. White, Yellow, Red. Finest Quality.

Pittsburg Florists' Exchange, 15 Diamond Square, Pittsburg, Pa.

NOW READY

to fill orders for AMERICAN BEAUTIES, LILY OF THE VALLEY, CARNATIONS, and all varieties of TEA ROSES in lots of one hundred to one thousand at short notice. Get our prices before ordering elsewhere.

WELCH BROTHERS, 226 Devonshire St., BOSTON, MASS.

Asparagus Plumosus Nanus Plants

From 2¼-inch pots.
$3.50 per 100, $30.00 per 1000.

W. H. ELLIOTT, Brighton, Mass.

Pittsburg Cut Flower Co.
(Limited)
WHOLESALE FLORISTS
222 Oliver Ave. PITTSBURG, PA.

CARNATIONS in quantity. Special prices on large orders.

ABSOLUTELY THE BEST POSSIBLE SERVICE.

W. E. McKissick
WHOLESALE FLORIST,
Business Hours 7 a.m. to 8 p.m. 1619-1621 Ranstead St., PHILADELPHIA, PA.

J. B. Murdoch & Co.
714 Penn Avenue,
PITTSBURG, PA.
All Seasonable Flowers.

Headquarters For
Good Yellow Daisies.
Wanted—A shipper of good lilac.
JOHN W. McINTYRE,
1601 Ranstead St., PHILADELPHIA.

Massachusetts Horticultural Society.

The following awards were made at the exhibition on January 25:

PLANTS.

Primula Sinensis, six plants in 6 inch pots—E. J. Mitton, first; Dr. C. G. Weld, second; Mrs. J. M. Sears, third. P. stellata, six plants in not less than 6-inch pots—Mrs. J. L. Gardner, first. P. obconica, six plants—Dr. C. G. Weld, first; Mrs. J. L. Gardner, second; Mrs. J. M. Sears, third.

CUT FLOWERS.

Violets, 100 blooms, double—H. F. Woods, first; H. T. Calder, second; W. B. Goodnow, third. Violets, 100 blooms, single—H. F. Woods, first; Mrs. Fred'k Ayer, second; W. B. Goodnow, third. Carnations, 25 blooms, white—M. A. Patten, first; Backer & Co., second and third. Twenty-five scarlet—S. J. Goddard, first; M. A. Patten, second; Backer & Co., third. Light pink—M. A. Patten, first; S. J. Goddard, second; M. A. Patten, third. Daybreak pink—S. J. Goddard, first; M. A. Patten, second. Dark pink—S. J. Goddard, first; M. A. Patten, second and third. Crimson—S. J. Goddard, first; M. A. Patten, second and third. Striped—M. A. Patten, first; Backer & Co., second.

Gratuities—Wm. Riggs, Leptosyne maritima; Dr. C. G. Weld, Primula Kewensis; F. Davis, Begonia Gloire de Lorraine; Mrs. Fred'k Ayer, Erica melanthera; E. A. Wood, mignonette; Gen. S. M. Weld, Primula Kewensis; Mrs. J. M. Sears, Celsia arcturus.

Honorable Mention—Walter Hunnewell, Corydalis Wilsoni; R. & J. Farquhar & Co., Begonia Gloire de Lorraine superba; Mrs. H. F. Durant, Schizocentra elegans (Heeria Mexicanum).

Vote of Thanks—Walter Hunnewell, camellias.

Cultural Certificate—Wm. Ritchie, gardener to Mrs. J. M. Sears, Celsia arcturus.

Lenox, Mass.

The regular meeting of the Horticultural Society was held January 18, President Jack in the chair. Percy Ellingo was unanimously elected a member of the society. The schedules for the August and fall exhibitions were approved as read. S. Carlquist was awarded a diploma for a fine vase of Celsia arcturus. The annual banquet of the society will be held at the Curtis hotel, February 15, and promises to excel anything ever held by the society. The fourteenth annual concert and ball was held in the town hall January 22. This event is always looked upon by the people of this city as one of the chief attractions of the winter season, and this proved to be no exception to the rule, as there were fully 200 couples participating in a very enjoyable evening. The committee of arrangements, of which H. P. Wookey was chairman, is to be congratulated upon the social and financial success attending their efforts.

G. H. I.

New Canaan, Conn.

A new conservatory has been built, for large palms, and a new Lord & Burnham boiler has been put in for the heating on the Misses Childs' estate north of here.

Wholesale Flower Markets

PHILADELPHIA, Jan. 29.

Roses, Tea	6 00@ 8 00
" " extra	15 00@20 00
" Liberty	10 00@25 00
" Queen of Edgely, extra	50 00@75 00
" " first	25 00@40 00
" Beauty, extra	50 00@75 00
" " first	25 00@40 00
Carnations	2 50@ 6 00
Lily of the valley	3 00@ 5 00
Asparagus, bunch	50 00
Smilax	15 00@20 00
Adiantum	1 00@ 1 50
Violets, single	50@ 75
" double	1 00@ 1 50
Cattleyas	50 00@60 00
Cypripediums	5 00
Lilium Harrisii	12 00@15 00
Mignonette	3 00@ 6 00

PITTSBURG, Jan. 29.

Roses, Beauty, specials	30 00@40 00
" " extras	20 00@30 00
" " No. 1	10 00@15 00
" " ordinary	6 00
" Bride, Bridesmaid	6 00@12 00
" Chatenay	6 00@12 00
" Richmond	6 00@12 00
" Cusin	6 00
" Perle	6 00
" Killarney	6 00@15 00
Carnations	2 00@ 4 00
Lily of the valley	4 00
Smilax	12 50
Asparagus, strings	50 00
" Sprengeri	3 00@ 4 00
Lilies	15 00
Adiantum	1 00@ 1 25
Violets	50@ 1 00
Cattleyas	30 00@60 00
Paper White Narcissus	2 00@ 3 00
Romans	2 00@ 3 00
Cypripediums	15 00
Stevia	2 00@ 3 00
Sweet peas	50@ 1 25

BOSTON, Jan. 29.

Roses, Beauty, best	35 00@50 00
" " medium	20 00@25 00
" " culls	6 00@12 00
" Bride, Bridesmaid	1 00@ 2 00
" Extra	4 00@ 8 00
" Liberty	8 00@12 00
Carnations	1 00@ 3 00
" Fancy	3 00@ 5 00
Smilax	8 00@12 00
Adiantum	75@ 1 25
Asparagus	35 00@ 0 00
Harrissi	10 00@12 00
Callas	8 00@12 00
Stevia	1 00@ 1 50
Daffodils	2 00@ 4 00
Narcissus	1 00@ 3 00
Sweet peas	50@ 1 00

Patrick Haverty, gardener to J. T. Burns, has had great success with Enchantress and Aristocrat carnations, shipping a large number daily to New York.

J. T. Burns, manager of the Lindenfield estate, is having fairly good luck with his grafted roses.

Drummers, in plenty, are the gardeners' visitors just about this time of the year in this vicinity.

L.

Pittsburg.

STOCK PLENTIFUL.

The few days' sunshine brought out an abundance of carnations and the wholesalers have colored stock to peddle, funeral work taking up the white stock. There is an abundance of Rose Pink Enchantress coming in. Some complain about this carnation being too soft, but it finds good sales when in good condition. The local growers are preparing for the carnation show Tuesday night and there is certain to be a fine collection, probably the best ever staged in this city. The plants in the benches are a magnificent sight at present. McKinley day orders are not to be seen so far. Undoubtedly the florists are letting a golden opportunity slip by in not booming this event. Roses are more plentiful, Bride being very fine. Violets, while selling better, are still slow; bulb stock is very plentiful, especially Roman hyacinths.

NOTES.

The Pittsburg Cut Flower Co. is handling a very nice line of American Beauty roses.

J. B. Murdoch & Co. are receiving very fine Enchantress and white carnations.

The Pittsburg Florists' Exchange is disposing of a belated crop of poinsettias.

A. M. Murdoch and wife are on a visit east.

J.

MANSFIELD, MASS.—Wm. Brown is at work again, after a severe attack of pneumonia.

BAR HARBOR, ME.—Lord & Burnham, New York, are building a $7,000 greenhouse for James I. Kane.

MALDEN, MASS.—E. D. Kaulback & Son had the decorations for the wedding of W. H. Keen and Miss Annie Maria Sargeant at the home of the bride, January 16. The reception room was decorated in yellow roses, palms and ferns, the living room in pink and the dining room in red.

New York.

HEAVY SNOWSTORM.

The great snowstorm of January 23-24, while it did not exactly plunge the wholesale district into gloom, gave a number of the boys an opportunity to test the quality of cheerfulness derived from intimate association with snow shovels. It was an old-fashioned blizzard, and the fellows who have all along been telling us that the weather was too fine for good business, should have been immensely pleased. On the morning of January 25, shipments of stock were very late in arriving; it was afternoon before some of them got in, 11 A. M. being considered a good record. When New York has a storm there is sure to be something doing over in New Jersey and this occasion was no exception to the rule. The Summit express, which runs on a pretty regular schedule, and carries flowers to this city, had a rough trip, arriving late with fagged horses. As a consequence but little business was transacted in the forenoon and buying was light throughout the remainder of the day. While during the first few days of the week business was fairly good, the market has at no time been very active, the storm had a bad effect on retail trade and though there was more activity on Saturday prices continued low. Business is, in short, very unsatisfactory. The better grades of roses and carnations clean up fairly well but the bulbous stock continues to drag, this condition being due largely to over-supply, excepting possibly the Golden Spur narcissus, which is now selling very well.

NOTES.

Byron Abbott, employed by Wm. W. Matthews, Great Neck, could probably get a job as a detective if he wanted it. On the night of January 21, Mr. Matthews' office was broken into and a clock stolen. Shortly after discovering the theft, the next morning, Abbott boarded a Long Island train to this city. He had just got seated when he heard a familiar ticking from the seat in front of him, which was occupied by two men. Closer investigation showed that their baggage consisted of four well-filled sacks. At Flushing, Abbott called Policeman McCarthy, who arrested the pair. The clock and other plunder in their possession was identified by Abbott as having been stolen from Mr. Matthews.

The Scottish Society gave its twentieth annual Burns celebration January 23, at Mendelssohn hall. Alexander McConnell, the Fifth avenue florist, is a member and active promoter of this society. A stanza from one of Whittier's poems is appropriate in this connection:

"In smiles and tears, in sun and showers,
The minstrel and the heather,
The deathless singer and the flowers
He sang of—live forever."

The Johnston Heating Co., which is now located at 138 East Thirty-first street, is making active preparations for next season's business. During the past season this firm put in boilers at a number of the finest private and commercial ranges in this vicinity. One noteworthy contract which they filled was at Greystone, the country home of Samuel Untermeyer, formerly the Tilden estate.

Anton Schultheis, College Point, has just got his big stock of Crimson Rambler roses well started for spring flowering. He sends in daily a big cut of lily of the valley, tulips, etc. There are also many pans of tulips, attractively put up, to be seen at the place. From the quantity of fine pot plants to be seen it is safe to say that Mr. Schultheis will make a very fine Easter display.

The friends of Tim Sullivan will give him a dinner January 29, at the Knickerbocker hotel, at which there will be a decoration of a tiger, done in flowers. That will be a backset for the people who think the Tammany tiger should be done with a club.

Dutcher & Son, of the Coogan building, who have greenhouses at Nyack, are just now handling fine carnations and freesias.

Joseph S. Fenrich, who has been quite ill with grip and threatened with pneumonia, is recovering.

Cincinnati.

TRADE VARIABLE.

Business took a decided slump toward the latter part of the week but on Saturday the florists were quite busy, and a great deal of stock that had accumulated was cleaned up. Carnations are more plentiful and the price has dropped accordingly; $3 per 100 buys fair carnations; the same may be said about roses, which sell from $8 per 100 down. Lily of the valley is good property but there is a glut of Roman hyacinths and Paper White narcissi. Violets are also a glut, selling as low as 25 cents per 100. Lilies, both callas and Harrisii, clean up every day at good prices. Green goods of all kinds in good demand with a fair supply.

NOTES.

There has been an epidemic of sickness among the florists of this city: C. J. Jones, Wm. Murphy, Henry Schwarz, Gus. Meier, R. A. Kelly and Miss Cora Pherson, bookkeeper for Wm. Murphy, are all able to be about again after having had a tussle with the grip. B. P. Critchell is confined to his home with inflammatory rheumatism, but from last reports he is getting along nicely. Mrs. Henry Schwarz has about recovered from an operation performed at the Bethesda hospital and is again at her home in Norwood.

Hardesty & Co. had a nice window display of lælias the past week. This firm believes in displaying flowers in their windows. Mr. Hardesty handles nothing but high grade stock and says it pays him to give the public a chance to look at fine window displays of choice flowers.

Wm. Murphy has a new seedling rose which no doubt will prove a winner. It is on the order of Mme. Chatenay, only has a richer color and a whole lot more substance. Will is working up a nice stock of it and thinks it will be ready for dissemination in another year.

Weiland & Olinger are cutting some exceptionally fine stock, especially their American Beauty roses, which are coming along in quantity and getting better every day.

E. G. Gillett is now established in his new location, 115 E. Third street, and has a nice place to carry on his business, having everything neatly and handily arranged.

Geo. Corbett is picking the best Prince of Wales violets coming in, and his carnations and callas are the usual high grade stock for which his place is noted.

Geo. Meyer, of the Avondale Floral Co., has the sympathy of the craft in the loss of his brother, whose death occurred January 25.

Ira Clark, Greensburg, Ind., is sending some exceptionally fine carnations to this market which sell at topnotch prices.

B. P. Critchell was the first in the market with sweet peas in quantity which prove to be good stock.

S.

Evansville, Ind.

The trade reports business good with plenty of stock to go around.

A visit to the range of the Wm. Blackman Floral Co. shows things in fine shape, a house of American Beauty roses being especially fine. Frank Fischer, formerly the foreman of The Chicago Carnation Co., Joliet, Ill., has charge of the carnation range, which is at its best.

Julius Niednagel's place is keeping up its standard on Killarney and Ivory roses. Rose Pink Enchantress carnation, their own sport, shows up great. A climbing Killarney was noticed. Mr. Niednagel contemplates a trip to the Fatherland some time this summer.

J. D. Carmody, the sage of "bilers' hand ventilatin kontrapshun" fame, is devoting himself to managing his stag lodging house.

George Blackman has the sympathy of the trade in his oldest daughter's serious illness.

John Elsperman has had an attack of grip but is now able to be out.

Visitors: Chas. Meyer, Ralph Ward, New York; L. Bauman, J. B. O'Neil of Vaughan's Seed Store, Chicago, and the usual winter delegation of Hollanders.

Lafayette, Ind.

The establishment of Fred Dorner Sons Co. shows that careful earnest culture brings big returns. The stock of all the leading varieties shows up well. Winona, their 1908 pink, has a wealth of bud and bloom and promises to make a place for itself. White Perfection at home surely shows that it is the premier white of recent introductions. The propagating house contains a fine lot of cuttings ready to be sent out. Fred Dorner, Jr., reports trade in carnation cuttings opening up fine.

Louisiana State Horticultural Society.

The fifth annual meeting of the Louisiana State Horticultural Society will be held in Minden, February 20-22. The programme will include discussions of subjects presented by the leading scientific and practical horticultural and agricultural men in the state. A representative of the Department of Agriculture will also be present. The following subjects are among those on the programme: "Peach Culture;" "The Cannery;" "Apple Culture;" "Pecan Culture;" "Good Roads;" "Cut Flowers;" "Rose Culture;" "Bird Life;" "New Vegetables and Fruits;" "The Nursery;" "Tomato Growing;" "Plant Diseases;" "Fig Culture;" "Grape Culture;" "Small Fruit;" "Hedge Plants;" "Care of the Orchard;" "Trucking;" "Insect Pests;" "School Gardens;" "Fertilizers;" "Home Improvement;" "School Grounds;" "Horticulture and the Railroads." The secretary is F. H. Burnette, Baton Rouge.

TRAVERSE CITY, MICH.—Business in this section is remarkably good, says Frank M. Paine, the demand being heavy for all kinds of flowers suitable for funerals. We have been especially favored by an abundance of bright sunshine all through January. Carnation stock is looking fine.

Moore, Hentz & Nash,
Wholesale Commission Florists,
55 and 57 West 26th Street,
Telephone No. 756 Madison Square. **New York.**
Mention the American Florist when writing

Phone 6356 Madison Square.
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FRANK MILLANG,
Wholesale Commission Dealer in
CUT FLOWERS
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Telephone call, 299 Madison Square.
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N. Y. Cut Flower Exchange
Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable Wall Space to Rent for Advertising.
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WHOLESALE FLORISTS,

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Wholesale Commission Florist.

Consignments Solicited.

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J. Seligman. Joseph J. Levy.

John Seligman & Co.

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Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best Prices. Satisfaction guaranteed. Tel. 4878 Madison.

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Out of town orders a specialty.
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NEW YORK, Jan. 29.

Roses, Beauty, special	50 00@60 00
" " fancy	40 00
" " extra	20 00@30 00
" " No. 1	10 00@15 00
" " Nos. 2 and 3	2 00@ 6 00
" Richmond	3 00@12 00
" Bride, Bridesmaid, G. Gate Special	8 00@10 00
" No. 1	3 00@ 5 00
" No. 2	2 00@ 3 00
Carnations, fancy	4 00@ 5 00
" common	1 50@ 2 00
Lilies	10 00@12 00
Lily of the valley	1 50@ 2 00
Asparagus plumosus strings	30 00@50 00
" per doz. bunches	2 00@ 3 00
Smilax	8 00@10 00
Cattleyas	35 00@50 00
Cypripediums	8 00@10 00
Violets	35@ 60
Gardenias	5 00@20 00
Callas, per dozen	1 00@ 1 50
Paper White Narcissus	1 00@ 1 50
Stevia, 8 bunches, $1 00	
Roman hyacinths	50@ 75
Mignonette, per doz., 50@ 75	
Jouquils	1 50@ 2 50
Sweet peas	50@ 1 00
Tulips	1 00@ 1 50

Telephone, 3860 Madison Square.
Plant Dept.: 3861 Madison Square.

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Wholesale Commission Florist.
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The largest importation of Orchids ever received in this country will arrive next spring from Brazil, Venezuela and Colombia. If you intend putting in a stock wait for these to arrive and we will quote you the lowest prices in America.

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WHOLESALE FLORIST,
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39 West 28th St., NEW YORK

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A SPECIALTY.
A fresh and constant supply of excellent flowers at hand. Orders solicited.
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Orchids!

Orders booked now for delivery 1908 of all the leading kinds of Orchids at greatly reduced prices. We have also just received the following: Oncidium tigrinum, O. sarcodes, O. Forbesii, Sophronitis grandiflora and coccinea. Write us.
Lager & Hurrell, Summit, N. J.

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Largest Importers, Exporters, Growers and Hybridists in the World.
SANDER, St. Albans, England.
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...ORCHIDS...

Arrived in superb condition: C. Trianæ, C. Mossiæ, C. labiata, C. Schroederæ, C. speciosissima, C. citrina, C. intermedia, C. Gaskelliana, Laelia anceps, L. albida, L. majalis, L. autumnalis, Oncidium crispum, O varicosum, O. Cavendishianum, O. luridum, Epidendrum vitellinum majus, E. Cooperianum, Odonto. citrosmum. To arrive in a few weeks time: C. aurea, C. Dowiana, C. Warneri, Miltonia vexillaria.
CARRILLO & BALDWIN, Secaucus, N. J.

Write at once for our quotations
—ON ALL—
Orchid Importations
FOR 1908 DELIVERY.
JULIUS ROEHRS COMPANY.
The Orchid Nurseries RUTHERFORD, N. J

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DETROIT.

JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

...Artistic Designs...

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Mention the American Florist when writing

Kansas City.

TRADE GOOD.

Since New Years, trade conditions have varied considerably. One day will see everything cleaned out and in the next couple of days piles of stock are available with no buyers at hand. The general run of stock at present is far above the average, both in quantity and quality. Roses are in excellent condition, owing to the splendid growing weather prevalent for the last few weeks. There seems to be no end to the improvement in Killarney, which in our community is a very close rival of American Beauty. Richmond is no less worthy of note, some being displayed with 5-foot stems and with flowers as large as American Beauty. Carnations are in the same healthy condition and the demand is unusually good, especially in the lighter colored varieties. The prices as a rule are not so good as they might be. Bulb stock is fairly plentiful but meets with poor sale. Easter lilies are in good demand.

While somewhat belated, it is well to say that, judging from a consensus of opinion gathered at random, the Christmas and New Years trade this year was far ahead of that of last year. The results indeed were surprising to most of the trade, who were expecting about the same amount of business as was done last season. In many respects conditions differed from those of last season, more particularly the volume of business handled at the very last. The outlook for future business seems good and indications point to a swift recovery from the panicky conditions which have been noticeable. Weddings are numerous and other social affairs are being booked which should keep the craft busy until Lent.

NOTES.

The decision of the wholesale implement dealers against floral decorations in their houses for the convention held a week or so ago was perhaps a good move for some of the smaller dealers who could not afford the expense of decorating but proved a loss to the florists who usually secure a good lot of orders.

H. L. Hunt, late of Stiles and Co., Oklahoma City, Okla., was a caller last week. Mr. Hunt recently resigned his position with that firm to take a position with a firm in Nebraska.

Raymond Blessing of the Wm. L. Rock Flower Co., has been on the sick list for several days nursing a poisoned hand caused from rose thorns.

The employes of the Alpha Floral Co. were pleasantly entertained at dinner last week at the home of Alpha Elberfield.

E. Bunyar has been cutting a nice stock of single violets and stevia this season.

We are glad to see Chas. Heite again able to be about his duties.

K. C.

WILLIAM L. ROCK Flower Co.,

KANSAS CITY, MO.,

Will carefully execute orders for Kansas City and any town in

Missouri, Kansas or Oklahoma.

MYER, FLORIST,

609-611 Madison Ave.

Phone 5297 Plaza. NEW YORK.

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HAUSWIRTH FLORIST

M. C. and J. E. Hauswirth.

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Mail, telegraph or telephone orders filled promptly in best style.

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Palmer's

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HESS & SWOBODA, Florists,

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KANSAS CITY.

Samuel Murray

...FLORIST...

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Both Phones 2670 Main.

Write, Telephone or Telegraph. All orders given prompt attention.

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Robert G. Wilson

Fulton St. and Greene Ave. BROOKLYN

Greenhouses: Short Hills, N. J.

—Deliveries in—

Greater New York, Long Island and New Jersey.

Trade orders from all parts of the country filled for delivery at residence, steamer, hotel, or theater on wholesale basis. Satisfaction guaranteed. Wire or telephone.

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No. 17 E. 28th St., NEW YORK, Between 5th and Madison Aves.

Long Distance Phones 3034-3035 Madison Square.

Write, wire or telephone your orders. Personal attention assured. Prices always right.

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HOLM & OLSON, ST. PAUL.

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in Minnesota and the Dakotas.

GALVESTON.

Mrs. M. A. Hansen,

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Special attention attention to Telegraph or Telephone orders. 'Phone 1912.

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ROCHESTER.

J. B. KELLER SONS,

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25 Clinton Ave., N., ROCHESTER, N. Y.

Rochester Phone 506. Long Dist. Bell Phone 2189

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CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838— CANAL ST.

DENVER.

Floral Designs and Flowers.

Best Quality on Shortest Notice.

DANIELS & FISHER, DENVER, COL.

Order by mail, telephone, telegraph or cable. Cable address: "Daniels Denver."

Columbus, O.

TRADE IMPROVING.

Business has picked up slightly in the past week, possibly on account of several small weddings and funerals. The prospects for improvement are small and we can only look forward to what each day will bring forth in the way of work. Tulips and daffodils are coming nicely now, but the daffodils are still somewhat small. Some nice lily of the valley is on hand. Violets are going rather slowly just at present.

Rob't Schenck has bought out the Columbus Floral Co., formerly belonging to Mrs. Jones, and will continue at the old stand. Mr. Schenck promises some innovations in the decorative art promises some innovations in the decorative art.

CARL.

Pasadena, Cal.

Accepting a hearty invitation to a social entertainment, a large number of members of the Gardeners' Association, with their wives, their families, and their lady friends, met at the residence of their president, John Blake, on the evening of January 18, and were duly entertained in lavish style. Dancing was freely indulged in, and song and sentiment intermingled. During the course of the evening, G. Nilsson, in the name of the Pasadena Gardeners' Association, with a few eulogistic and appropriate remarks, presented Mr. Blake with a handsome timepiece and a handsome pair of candelabra as a token of regard and esteem, and in recognition of the valuable service Mr. Blake has at all times so cheerfully given the association.

Mr. Clinch, replying on behalf of Mr. Blake, proved himself a ready and eloquent speaker; outlining Mr. Blake's career, he spoke in the highest possible terms of the many good qualities he has always exhibited, during a residence of 20 years in this city, and also made it an occasion to extol the many excellent qualities of the hostess, Mrs. Blake. A brief outline of the affair and of the growth of the association terminated this part of the proceedings. After partaking of excellent and splendidly served refreshments, the party dispersed, one and all expressing themselves as having spent a thoroughly enjoyable evening. The following are the officers of the association:

J. Blake, 975 Cypress avenue, Pasadena, president; O. Heutchsy, 262 S. Pasadena avenue, Pasadena, vice-president; G. F. Nilsson, 91 S. Grand avenue, Pasadena, treasurer; R. MacKenzie, 1071 Orange Grove avenue, Pasadena, secretary. Trustees: Messrs. Howard, Coolidge and J. W. Ross. The association meets at the Board of Trade rooms the first and third Friday of the month.

R. McK.

BROOKFIELD, MO.—Miss Gertrude Jones is planning to erect a large and more modern greenhouse as an addition to her business.

RIVERSIDE, CAL.—Among other shrubbery to be used in beautifying the streets of this city and Arlington are 10,000 Ragged Robin roses.

SALISBURY, MD.—The Peninsula Horticultural Society has elected James T. Shallcross, of near Middletown, president. The society will meet at Wilmington next year.

TACOMA, WASH.—In connection with the meeting of the Metropolitan park board, January 13, the contract was signed for the construction of the conservatory in Wright park from the fund of $10,000 given by W. W. Seymour.

CHEROKEE, IA.—O. B. Palmer has leased the room in the Lewis building soon to be vacated by W. H. Korns and will open up a flower store and office for his greenhouse business. This will be much more convenient for his patrons.

BOULDER, COL.—Chas. F. Fawcett reports good business around Christmas and New Year's which would have been far better but for a severe wind and dust storm on December 24. There was not enough cut flowers to meet the holiday demand and prices were better than those of last year. Plants sold well.

PASADENA, CAL.—Park Superintendent J. G. Morley of Los Angeles has given to this city more than 50 varieties of cactus to be used as a nucleus for a bed of these plants. They will be planted in Central park and the superintendent hopes soon to rival the collection now blooming in White park, Riverside.

PASADENA, CAL.—Plans for the annual flower show of the Gardeners' Association, to be held April 2, 3 and 4, are already being laid, and judging from the success of last year's exhibition the event will bring together an imposing array of floral and plant specimens illustrative of the possibilities of Pasadena's glorious year-round climate. At a recent meeting of the gardeners the executive committee was named to have charge of the coming show. Robt. Pegg is chairman, Richard Thomas secretary and Geo. Nelson treasurer.

ASPARAGUS, BOSTONS, AZALEAS,

Plumosus Nanus, 2½-in., $3.50 per 100, $30.00 per 1000; 3-in., 6c; 3½-in., 10c; 4-in., 12c; 5-in., 20c; 6-in., 30c. Comorensis, 2-in., 2c; 2½-in., 3c; 3½-in., 6c. Sprengeri 2½-in., 3c; 3½-in., 8c; 4-in., 10c. Bostons, 2½-in., 4c; 3-in., 8c; 4-in., 15c; 5-in., 25c; 6-in., 40c; 7-in., 65c; 8-in., $1.00 to $1.50; 10-in. $1.50 to $2.00.

Azaleas. We are now booking orders for Xmas delivery. Write for prices. Our stock is the best in the west and well budded too.

Long Distance Bell Phone, Lackland. Long Distance Kinloch Phone, Creve Cœur.

Terms Cash. J. W. DUNFORD, St. Louis County, Clayton, Mo.

Cut Flowers or Designs

Will be delivered for the Trade on Wire or Mail. Orders in Best Qualities and Prices.

SAN FRANCISCO.

J. B. Boland Co.

Successors to Sievers & Boland,

FLORISTS,

47-49 Geary St., SAN FRANCISCO, CAL.

Mention the American Florist when writing

ALBANY, N. Y.

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Flowers or Design Work.

DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.

1 NORTH PEARL ST., ALBANY, N. Y.

Mention the American Florist when writing

The Cleveland Cut Flower Co.

CLEVELAND, OHIO

Will fill your orders for designs and cut flowers in NORTHERN OHIO.

Mention the American Florist when writing

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J. W. Wolfskill,

FLORIST,

Telegraph Orders a Specialty.

218 W. 4th St., LOS ANGELES, CAL.

Mention the American Florist when writing

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HOUGHTON & CLARK,

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396 Boylston Street,

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WRITE, WIRE OR PHONE YOUR ORDERS TO

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1406 Olive St. ST. LOUIS, MO.

Regular discount allowed on all orders, either Plants or Cut Flowers.

Phones: Bell, Main 2306, Kinlock, Central 4981.

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Matthews,

FLORIST,

16 W. 3rd St., DAYTON, O.

Flowers in any arrangement for all occassions for Dayton and vicinity. Long dis. phones.

Joy Floral Co.,

610 CHURCH STREET,

NASHVILLE TENN.

MILWAUKEE.

C. C. Pollworth Co.

MILWAUKEE, WIS.

Will take proper care of your orders in WISCONSIN.

Mention the American Florist when writing

INDIANAPOLIS.

Bertermann Bros. Co.

FLORISTS

241 Massachusetts Ave., INDIANAPOLIS, IND.

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ST. LOUIS.

Fred C. Weber,

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4320-4328 Olive St., ST. LOUIS, MO.

Established 1873. Bell, Lindell 676.

Mention the American Florist when writing

DENVER.

The Park ...Floral Co.

J. A. VALENTINE, President. DENVER, COLO.

The Muskogee Carnation Co.

Wholesale and Retail in Cut Flowers.

We grow all our own Cut Flowers. Funeral work orders our specialty. Wire or mail order. Prompt attention.

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KANSAS CITY.

GEO. M. KELLOGG,

906 Grand Avenue,

KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may been trusted to them.

SEATTLE, WASH.

Woodland Seed & Floral Co.,

808 Second Avenue,

Seattle, - Wash.

Will fill all orders for Cut Flowers, etc. for steamers for Japan and Alaska or any part of the Pacific coast. A. L. AABLING, Gen Mgr.

LOUISVILLE.

JACOB SCHULZ, 644 Fourth Ave., LOUISVILLE, KY.

Cut Flowers of BEST QUALITY in season delivered promptly to any address.

Write, Telegraph or Telephone.

Cumberland and Home Phones 223 and 984.

ATLANTA.

ATLANTA FLORAL CO.

41 Peachtree Street. ATLANTA, GEORGIA.

The Seed Trade.

American Seed Trade Association.
Geo. S. Green, Chicago, Pres.; M. H. Duryea, New York, First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-sixth annual convention, June 23 to 25, at Hotel Ponchartrain, Detroit.

VISITED CHICAGO.—W. J. Fosgate, Santa Clara, Cal.: L. W. Wheeler, representing the Braslan Seed Growers Co., San Jose, Cal.

AMPELOPSIS VEITCHI, Four-o'clock, Convolvulus major, mixed, and Adlumia cirrhosa are among the very short items in seed this year.

THE fourth annual convention of the Canadian Seed Growers Association will be held, February 3-4, at the Canadian building, Ottawa.

PORTSMOUTH, VA.—J. W. S. Butt & Co., druggists and seedsmen of Middle street, made an assignment, January 20, for the benefit of their creditors.

EVERY day is pay day with the L. A. Budlong Co., near Chicago, who employs 400 or more men and women in its onion set and market garden business, as fully described in a former issue of THE AMERICAN FLORIST.

THE Hollander, says a correspondent, is again in the land hunting for business. Judging by the number in the country, the wooden-shoe brigade will need Madison Square Garden for its annual reunion before sailing for home.

IT is reported that W. Atlee Burpee, trading under the name of W. Atlee Burpee & Co., and Henry A. Dreer, a New Jersey corporation, are involved in litigation regarding the Fordhook Bush Lima bean, the former firm taking exception to the naming and description of this variety as given in the 1908 catalogue of the latter firm. A stiff legal battle seems to be a certain feature of the controversy.

IT is reported that the Southern Texas Truck Growers' Association has, through its manager, made a five years' contract in the Canary islands for its supply of Teneriffe grown onion seed, in order to enable it to compete against American seed dealers. The contract is said to have been made with two Teneriffe firms. Another Teneriffe firm, outside the contracting parties, solicits the contract business of the seed trade.

A CHICAGO market gardener in search of onion seed bargains secured a job lot of something over 5,000 pounds from a second hand dealer and was somewhat surprised to find in the sacks the labels of the Northrup, Braslan, Goodwin Co., a firm which went out of existence in 1895. It is hardly necessary to state that the germination of this onion seed was hardly up to the critical requirements of the onion set grower.

Braslan Seed Growers' Co.
Growers for the Wholesale Trade Only.
SAN JOSE, CAL.

ESTABLISHMENT OF L. A. BUDLONG CO., CHICAGO.—PAYING OFFICE.

Seedsman's Golden Wedding.

Francis and Mrs. Brill celebrated their golden wedding anniversary at their home, 56 Washington street, Hempstead, N. Y., January 1. Owing to the failing health of Mrs. Brill, a formal reception was dispensed with, and the event was quietly celebrated.

On January 1, 1857, Francis Brill and Ann Elizabeth Mac Donald, daughter of the late David Mac Donald, of Newark, N. J., were married. Mrs. Brill's grandfather, Robert Mac Donald, was one of the early settlers of that part of Newark, N. J., known as "The Neck," and was identified with the growth and development of that thriving city. Mr. Brill is the youngest son of the late John Brill, one of the leading horticulturists of his day, who for many years conducted an extensive and thriving market garden and florist establishment in Jersey City, and later, in Newark, N. J., up to the time of his death in 1870. Here Francis Brill received that training, which, combined with his executive ability, keen observation and personal experiments in after years led to his being recognized as one of the leading seed experts in the country.

In the year 1870 Mr. Brill moved with his family to Mattituck, in Suffolk county, where he established a seed farm, and largely through his efforts in developing and perfecting the cauliflower, blazed the way for the extensive cauliflower industry that has made that section of the island famous all over the country. From Mattituck Mr. Brill went to Riverhead, and after a few years, removed to Hempstead, where he has since resided, and carried on his seed business. Wherever they have resided, Mr. and Mrs. Brill have taken part in every good work for the advancement of the interests of the community, while Mr. Brill has been prominent politically, and is still interested, as a good citizen, in public affairs.

Seed Trade in Santa Clara, Cal.

The seed industry of Santa Clara county is a most important one and the product is shipped to all parts of the world. The year 1907 has been an exceptionally prosperous one in all lines of the business, says Thos. Landrum of the C. C. Morse Co., in the San Jose Mercury. The crops in general were very good, especially the onion, which was one of the best in many years. There is always a ready market for the seed, and the sales this year reached enormous proportions, the money stringency having no apparent effect whatever.

The prospects for 1908 are very bright indeed, and from present appearances the yield and sales will be the greatest in the history of the trade.

Imports.

During the week ending January 25, imports were received at New York as follows:

H. Frank Darrow, 25 cases plants.
Aug. Rolker & Son, 3 cases plants.
P. Henderson & Co., 120 bbls. grass seed; 1 bag, 101 pkgs. seed.
The Albert Dickinson Co., 189 bbls. clover seed.
Vaughan's Seed Store, 44 bags, two pkgs. seed.
Wm. Elliott & Sons, 34 bags seed.
Stumpp & Walter, 13 bags seed.
J. M. Thorburn & Co., 10 bags alfalfa seed; 1 case, 3 bags seed.
To others: 107 pkgs. plants, 1,124 bags seed, 56 bbls. seed, 3 cases seed, 244 pkgs. seed, 4,628 bags clover seed, 203 bags grass seed, 176 bags sunflower seed.

Waldo Rohnert
GILROY, CAL.
Wholesale Seed Grower
Specialties: Lettuce, Onion, Sweet Peas, Aster Cosmos, Mignonette, Verbena, in variety.
Correspondence solicited.
Mention the American Florist when writing

Peas AND Beans
Alfred J. Brown Seed Co.,
GRAND RAPIDS, MICH.
Mention the American Florist when writing

THE FINEST
VALLEY
Western Headquarters for
EARLY FORCING PIPS
$1.50 for 100.
$12.00 for 1000.
Write for quotations on large quantities.
Finest Cut Valley Always on Hand.
H. N. BRUNS,
1409-11 W. Madison St. CHICAGO.
Long Distance Phone. Kedzie 1196.
Mention the American Florist when writing

Vaughan's Seeds — TRADE MARK — NEW YORK-CHICAGO

Vaughan's New Crop Flower Seeds

FOR PRESENT SOWING.

10 per cent Special CASH DISCOUNT. On orders over $2.00 for Flower Seeds if the cash is enclosed, 10 per cent. This discount does not apply to Asparagus Seed. Cash discount on this is 2 per cent.

	Trade pkt.	oz.
Ageratum, Imperial dwarf blue	$ .10	$ .25
Imperial dwarf white	.10	.25
Blue Perfection, dwarf new	.10	.40
Princess Pauline fine for pots and borders	.10	.40
Princess Victoria Louise, new, beautiful blue and white flowers, plants compact and free blooming	.10	.50
Little Blue star, new, best dwarf	.25	
Alyssum, Sweet ... lb., $1.25	.05	.15
Little Gem extra fine strain	.10	.35
Balsam, Alba Perfecta. This is the largest and best double white Balsam, unequaled in doubleness and size ¼-oz 25c	.10	1.00
Begonia, Single tuberous-rooted giant, mixed	.50	
Double, tuberous-rooted, giant flowered	.50	
Vernon ... ⅛-oz, 30c	.10	2.00
Luminosa new better than Vernon	.25	
Bellis or **Double Daisy,** Vaughan's mammoth mixture, 1-16 oz. 45c.	.25	
Vaughan's Mammoth White ... 1-16 oz. 50c.	.25	
Longfellow dark pink ... ⅛-oz. 35c	.20	2.50
Monstrosa, double white, double pink, new...each 50c		
Browallia, Speciosa Major		.25
Candytuft, Giant Hyacinth-flowered ... ½-oz. 15c	.10	.20
Canna, Vaughan's Special Mixture, saved from our own collection of over 40 best kinds ... lb, $1.50	.10	.20
Celosia, Coxcomb, President Thiers	.15	1.25
Centaurea, Candidissima (Dusty Miller)	.25	1.00
Gymnocarpa ... lb. $2.75	.05	.30
Coboea, Scandens, blue ... lb. $3.50	.10	.30
Clematis Paniculata, White, sweet scented ... lb. $5.00	.15	.50
Large-Flowering Jackmanni Hybrids	.25	2.00
Coleus, Mammoth rainbow	.25	
Large-leaved, mixed	.25	
Cyperus Alternifolius, Umbrella plant ... ¼-oz. 50c	.20	1.60
Dracaena Indivisa ... lb. $2.50	.10	.30
Indivisa Lineata	.10	.40
" Latifolia	.10	.40
Australis	.10	.60
Daisy, Burbank's Shasta ... ⅛-oz. 25c		1.50
Echeveria, (Hen and chicken), mixed ... 100 seeds, 20c; 1000 seeds ... $1 00		
Metallica ... 100 seeds 35c; 1000 seeds $3.50		
Secunda glauca ... 100 seeds 15c; 1000 seeds $1.00		
Feverfew, Matricaria Capensis plenissima	.10	.25
Forget-me-not, Vaughan's early blooming and late flowering ... ¼-oz. 25c	.10	.80
Fuchsia, double and single varieties, mixed, 250 seeds 75c; 1000 seeds ... $2.60		
Geranium, Apple-scented ... 200 seeds 25c; 1000 seeds $1.00		
Grevillea Robusta silk oak	.10	.80
Linaria Cymballaria (Kenilworth Ivy) ... ¼ oz., 40c	.15	1.20
Alba, white	.15	1.20
Lantana Hybrida, mixed	.05	.15
Lemon Verbena ... ¼ oz., 40c	.25	
Lobelia Crystal Palace Compacta ... ⅛ oz., 25c	.15	1.20
Speciosa for hanging baskets ... ¼ oz., 15c	.10	.50
Emperor William, dwarf ... ¼ oz., 25c	.10	1 00
Bedding Queen, best dwarf ... ⅛ oz., 25c	.15	1.50
Maurandya, mixed ... ¼ oz., 25c	.10	1.00

	Trade pkt.	oz.
Mignonette, True Machet ... ½ oz., 25c; 2 ozs., 75c	$ .10	$ .50
New York Market. Packet about 1000 seeds, 50c; ⅛ oz., $1.00; oz., $6.00.		
Mimulus (Musk Plant) ... ¼ oz., 30c	.10	1.00
Musa Martini ... 100 seeds, 85c		
Religiosa ... 100 seeds, 85c		
Pansies. Vaughan's International Mixture, per oz., $10.00; ½ oz., $5.00; ⅛ oz., $1.50; trade pkt., 50c.		
Vaughan's "Giant Pansy Mixture" ¼ lb., $14.00; oz., $4.00; ⅛ oz., 60c trade pkt., 25c.		
Petunia, Giants of California, mixed ... 1-32 oz., 75c	.25	
"Vaughan's Best" mixture of large flowering Petunias, Trade pkt. (1000 seeds), 50c; 3 pkts. for $1.25.		
Vaughan's large flowering Double Petunias, trade pkt. (1000 seeds), $1.20.		
Pyrethrum, Golden Feather	.10	.25
Salvia Splendens, Clara Bedman (Bonfire)	.25	2.50
"Drooping Spikes" ... ¼ oz., 50c	.25	1.60
Fireball new ... ⅛ oz., 75c	.25	
Zurich, new, very dwarf and early	.50	
Primula Obconica Grandiflora, mixed ... 500 seeds, 25c		
Large flowering, pink ... 500 seeds, 25c		
Large flowering, pure white ... 500 seeds, 25c		
Large flowering, fringed, mixed ... 500 seeds, 50c		
Gigantea Rosea ... 200 seeds, 25c		
" Kermesina, new	.30	
Stocks, large flowering, extra choice, mixed ... ⅛ oz., 35c	.25	2.00
Pure White, Brilliant Rose, Bright Crimson, Blood-Red, Light Blue, Canary Yellow, Dark Blue. Each ... ⅛ oz., 35c	.25	2.00

"Cut and Come Again."

One of the best stocks for cut flowers, the plants producing many side branches with a large percentage of double flowers

	Trade pkt.	oz.
White Perfection or Princess Alice, Blood-Red, Brilliant Lilac, Pink. Each ... ⅛ oz., 40c	.25	2.50
Mixed, the above colors and others ... ⅛ oz., 35c	.20	2.00
Smilax, new crop, very short this year. ¼ lb., $1.25; lb., $5.00	.10	.50
New Myrtle-leaved ... 100 seeds, 75c; 1000 seeds, $6.00		
Thunbergia, mixed ... 4 oz., $1.00	.10	.40
Torenia Fournieri, charming pot plant, velvety blue ... ⅛ oz., 40c	.15	
Fournieri Compacta, Grandiflora ... ⅛ oz., 50c	.15	
White Wings, white ... ⅛ oz., 40c	.15	
Bailloni ... 1-16 oz., 50c	.25	

	Trade pkt.	¼ oz.	Oz.
Verbena, Vaughan's Best Mixture	$ .25	$ .50	$2.00
Mammoth, mixed ... 2 oz., $1.70	.10	.25	.80
" White	.15	.25	1.00
" Purple	.25	.50	2.00
" Pink shades	.25	.50	2.00
Firefly, scarlet, white eye	.15	.40	1.20
Striped, on red ground, fine	.15	.30	1.15
Candidissima, white	.10	.20	.70
Defiance, brightest scarlet	.10	.25	.90
Dark blue with a white eye	.10	.20	.70
Vinca Rosea, Rosea fl. albo and pure white, each	.10		.60

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14 Barclay St., NEW YORK. 84 and 86 Randolph St. 206-208 W. Randolph St. **CHICAGO.**

A. J. PIETERS SEED CO.

Growers for the

Wholesale Trade.

Ready to quote on 1907 surplus and 1908 contracts.

HOLLISTER, - CAL.

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W. J. Eldering & Son,

Wholesale Bulb Growers and Dealers.

OVERVEEN. HAARLEM. HOLLAND.

Headquarters for High Grade **Hyacinths, tulips** and **Narcissi.** We do not sell at Retail. Write for special quotations on large quantities.

Mention the American Florist when writing

Asparagus Plumosus Robustus Seed.

NEW CROP JUST HARVESTED. Prime plump seed from vigorous young plants only.

Price: $1.25 per oz.; $15.00 per lb., post free. Cash with order.

THOS. H. WOOD, Tropical Seed Merchant and Nurseryman. **Brisbane, Queensland, Australia.**

CHOICE GERMAN

FLOWER SEEDS.

Wholesale Catalogue free on application.

FREDR'K ROEMER,

Seed Grower, **Quedlinburg, Germany.**

C. C. MORSE & CO.

SEED GROWERS

Address all communications to our permanent address

48 to 56 Jackson St., SAN FRANCISCO.

ONION, LETTUCE, SWEET PEAS, and other California Specialties.

Cyclamen and Primula Sinensis

Are you buying the above seeds or plants?

We can supply from our home-grown, selected, prize strain. Thirty-six years' reputation, home and abroad. Write for our price list; prompt reply.

ST. GEORGE'S NURSERY CO.,

Harlington, Middlesex, England.

Telegraph Code

OF THE

Am. Seed Trade Association

$2.00

In either stiff or flexible cover. Address orders to

AMERICAN FLORIST CO., CHICAGO.

MARKET GARDENS.

Mistakes With Mushrooms.

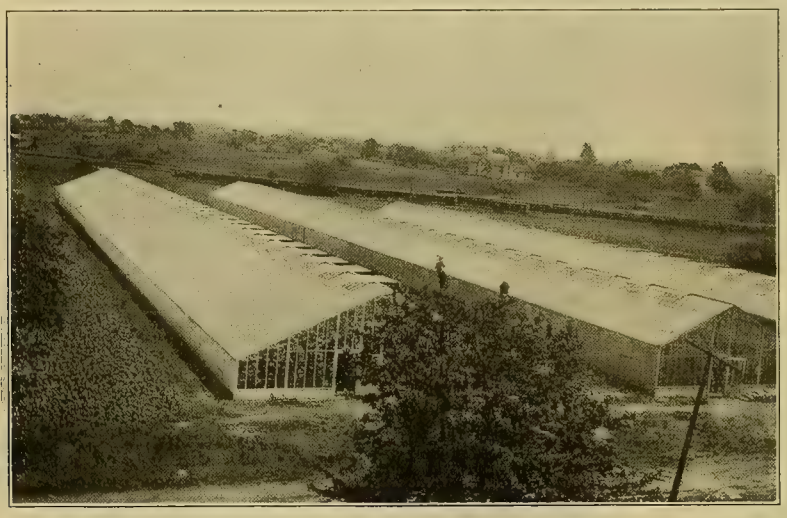
The culture of mushrooms is not difficult when everything can be obtained at the proper time, in sufficient quantity and of the right character, but it cannot be denied that more failures are recorded with this crop than almost any other. We cannot hope in a short article to give full directions but will touch on a few points often lost sight of even by growers of considerable experience:

Regarding the manure, this may come from stables where the horses have been given medicine which contains drugs of a deleterious character, and many failures may be traced to this. In spring, horse keepers use much green food, and the manure from such stables is not good. Horses fed regularly on dry hard food produce the kind needed and this must be thrown into a heap and turned frequently until all the rank smell has gone and there is a smell not unlike that of mushrooms in the mass. It is ready then for use.

Spawning is sometimes left until too late for a quick crop. It is often advised that the heat is allowed to decline considerably before spawning. But this is a waste of heat and if the manure has been properly prepared it will not heat violently or quickly, but will maintain a regular rise for a few days and may usually be spawned in about four days from the time the beds are made up. Again, some growers break up their spawn into too small pieces (we refer to the brick spawn). A brick should not be broken into more than eight pieces and these should be laid under the surface and the manure pressed back firmly over them. Never use a dibber. Large pieces of spawn do not suffer, should the bed become slightly overheated, or at least only the outside of it suffers. Small pieces would be ruined entirely.

The nature of the fine, thread-like mycelium must not be lost sight of. When making new beds on shelves over those already in bearing growers pound away with a hammer, a brick or some such thing, quite oblivious of the shaking they are giving the growing beds. The jar often leads to the snapping of the mycelium threads and is the cause of frequent failures of beds or parts of beds. The remedy for this is to make all beds on the same line of shelves at the same time if possible and not to have them connected over great lengths. Mistakes in watering are common with beginners. Experienced growers do not need to be told that watering at all is risky and heavy watering fatal. They usually arrange, by keeping up a very moist, cool atmosphere, to do away with the necessity of any but light spraying.

R.



ESTABLISHMENT OF A. W. CRANE, TOLEDO, O.
Latest addition to vegetable houses 350 feet long.
Photo by F. Lautenschlager.

The Retail Plant Business.

Continuing my remarks in regard to the plant business, as some growers are so situated that operations must soon commence, it is time to order the required seed. Do not buy seeds of novelties for the plant business. If a grower plants a new thing on his own place, and it proves worthless, he has the fun of growing it and only himself to blame. But if he buys an ounce of seed of some new kind, and sells some 3,000 to 5,000 plants to various small buyers, he has hurt his standing very much, should the novelty prove inferior or unsuited to the locality. Sow only a few varieties. If a dozen kinds of cabbage or tomato are sown they produce a big stock of plants in the aggregate, yet the grower is unable to fill half the orders properly.

In tomatoes, of first importance is color. If customers prefer a pink tomato, Beauty, Globe and Ponderosa fill the bill in the order named. If scarlet is the color, then Chalk's Jewel, Early Michigan and Stone. Earliana is not adapted to home culture, as it plays out after making a few clusters of fruit. In cabbage, Jersey Wakefield is the best early and Succession the second early. In cauliflowers, Snowball is a good all around variety. Among peppers, Ruby King is most popular; but grow also a few Cayenne for a hot pepper. For early celery, Golden Self Blanching and White Plume are best. Celery and sweet potatoes should not be grown in boxes; they lift well out of frames or flats. Egg plants and peppers are much slower than tomatoes and they need more time to develop. Do not bother with yellow tomatoes, red cabbage or Savoy cabbage. The demand is so small it would not pay.

MARKETMAN.

Prices of Indoor Vegetables.

The prices of indoor vegetables at leading points, January 25, were as follows: New York, cucumbers, No. 1, 75 cents to $1 per dozen; No. 2, $2 to $3.50 per box; lettuce, 20 cents to 40 cents per dozen; mushrooms, 10 cents to 40 cents per pound; mint, 50 cents to 75 cents per dozen bunches; radishes, $2 to $2.50 per 100 bunches; rhubarb, 40 cents to 60 cents per dozen bunches; tomatoes, 10 cents to 25 cents per pound. Cincinnati: cucumbers, $1.25 to $1.50 per dozen. Chicago, mushrooms, 10 cents to 50 cents per pound. Boston: tomatoes, 15 cents to 20 cents per pound.

JACKSONVILLE, FLA.—Sawyer & Payne are making a fine show in their new store.

STERLING, ILL.—The Sterling Floral Co. has a new carnation which is admired by the many visitors at the greenhouses east of the city. The flower has been named The Sport by Manager Lundstorm and will be placed on the market next year.

NEWBURGH, N. Y.—The store now occupied by E. M. Peattie, at 86 Broadway, has been leased and will be occupied by the Yuess Gardens Co. beginning February 15. It will be used as a seed and flower store. The Yuess Co. has also asked for bids from contractors for erecting another greenhouse on its property on Third street opposite Fullerton avenue. This house will be 50x250 feet and it is said when completed it will be the largest greenhouse in this section of the state.

Forcing Asparagus and Rhubarb.

Fine 8-year-old roots of **Asparagus**; enormous: larger than the top of a bucket: will force readily; only $5.00 per 100.

Fine **Rhubarb Clumps**, immense; will produce magnificent stalk; only $6.00 per 100; smaller, $3.00 per 100.

WARREN SHINN, Nurseryman. **Woodstown, N.J.**

Vegetable Plants...

Lettuce Plants: Grand Rapids, Boston Market and Big Boston, 25 cents per 100; $1.00 per 1,000.

Tomato: Mayflower and Lorillard, 50 cents per 100.

R. Vincent, Jr. & Sons Co.,
WHITE MARSH. MD.

NEW FORCING TOMATO THE WAVELAND.

Unsurpassed by any other kind for private or commercial growing under glass or outdoor culture. Fruit thick and rich color. Seed limited Order now. Ready September 1. Price: $1.00 per packet; $3.00 per ounce.

H. KULD, Box 193, Norwood, Mass.

$3,000 Per Acre in Tomatoes.

Outdoor culture, with my **Concrete or Cement Plant Protector**, patent pending.

Set plants six weeks earlier and get bothouse prices. Will sell town rights and furnish mold. Send 2c stamp for circular.

J. H. HALEY, Munith, Mich.

VEGETABLE SEEDS

SOW NOW.

	Per ¼ lb.	Per lb.
Lettuce, Grand Rapids Forcing	$ .30	$1.00
May King	.40	1.25
Cucumber, Evergreen White Spine	.25	.75
Davis Perfect	.35	1.25
Radish, Vaughan's Cardinal Forcing	.40	1.50
Improved Scarlet Globe	.25	.70
20 Day Forcing	.20	.60
Scarlet Globe White Tip	.20	.60
Tomato, New Globe	.75	3 00
Comet ..... pkt., $ .25		
Sunrise ..... pkt., .25		
Cauliflower, Earliest of All ..... pkt., $ .25;	oz.,	$2.50

Vaughan's Seed Store, CHICAGO. NEW YORK.

Heller's Mice-Proof Seed Bin No. 1783-B.

Heller's Mice=Proof
Seed Cases and Bins

Send for Circulars.

Heller & Co.
Montpelier, Ohio, U. S. A.

NEW CROP FLOWER SEEDS.

	¼-oz.	oz.
Verbena Mammoth, in colors or mixed	30c	$1.00
Salvia Splendens	35c	1.25
Salvia Bonfire	75c	2.50

Lily of the Valley early forcing to close out, per 1000, $11.00

Fresh Tobacco Stems, Bales of 300 lbs. $1.50

W. C. BECKERT, Pittsburg, N. S., Pa.

Conway's White Branching Aster.

The flower is pure white, of unusual size and fine shape, with long stiff stems. Blooming from mid-season to late. Is considered by leading florists to be the best and most profitable aster ever grown. **Trade Packet, $1.00; Half Ounce $3.00; Ounce, $5.00.** Cash please.

F. A. CONWAY & CO., Indianapolis, Ind.

BURPEE'S SEEDS PHILADELPHIA

Wholesale Price List for Florists and Market Gardeners.

Just Out

Our handsome new Catalogue for 1908.

If you have not received a copy, please advise us by postal and we will send you one by return mail.

W. W. RAWSON & CO.
5 Union St., BOSTON, MASS.

Our Travelers

C. W. Scott,
Horace Cheeseman,
J. B. O'Neil,
Jas. B. McArdle,
Guy M. Reyburn,

Are NOW making their regular winter trips and will call on most of the trade in the near future in our interest. Kindly await their arrival before placing your seasonable orders.

"The Best Flower Seeds in America."

Vaughan's Seed Store,
CHICAGO. NEW YORK,

An Insect Query.

ED. AMERICAN FLORIST:—

Please find enclosed insects and let me know what they are, also how to get rid of them. They increase very fast and will fly when disturbed. I had a Black Prince fuchsia in my cucumber house on which they seemed to start and breed. E. P.

The package when received contained nothing but a couple of dried up leaves broken up into small pieces in the mail. You should send insects properly packed and we will then endeavor to help you.

WASHINGTON, D. C.—Joseph Kaschaka, a well known Bohemian and botanist, died here suddenly January 19. He was one of a party of botanists sent to China in the early 80's and has lately been in charge of the Columbia golf course.

RICHMOND, IND.—E. G. Hill made another of his "gum shoe trips" through Indiana, visiting W. W. Coles, Kokomo, and Fred Dorner at Lafayette, winding up at the state meeting at Indianapolis, where his talk on "Harmony" made a great impression.

NEW ORLEANS, LA.—The new greenhouse at City park has been completed. The structure, one of the finest of the kind in the south, has been in course of erection for three months, and cost something over $12,000. The greenhouse is 34x150 feet, while the dimensions of the propagating plant are 12x62 feet. The potting shed and gardeners' quarters extend over an area of 20x83 feet. The heating apparatus has been installed, tested and found in good order. The walks in the interior have all been laid; the work of transferring delicate plants from the old to the new greenhouse is in progress.

BOSTON, MASS.—Mayor Hibbard, January 20, put his official ban upon the use of potted plants and floral decorations from the municipal conservatories for private social affairs throughout the city. The mayor was called upon by a committee of young people who wanted to borrow potted plants from the city's conservatories, and he was amazed at such a request. When informed that it had been customary to secure such displays for the asking, he immediately notified those in charge of the municipal conservatories not to loan any more flowers or potted plants for private use. In years gone by and until the present administration it was a very common occurrence for the city to distribute scores of potted plants at halls where social affairs were being held, and the city paid for all the carting.

Cyclamen

HIGHEST GRADE SEEDS FISKE BOSTON FANEUIL HALL SQUARE

Superb English Strain
Second to none in size of flowers.
Giant Crimson.
" Pink.
" White.
" White with Claret base.
" Mauve.
" Salmon Queen.
" New Fringed.

100 seeds, $1, 1000 seeds, $9.

H. E. FISKE SEED CO.,
12 and 13 Faneuil Hall Sq., BOSTON, MASS.
Mention the American Florist when writing

ESTABLISHED 1824.

Bridgeman's Seed Warehouse

RICKARDS BROS., Props.,
Importers and Growers of High Grade

LILY OF THE VALLEY,
Finest Berlin, $12.00 per 1000.

	Packet	Oz.
Ageratum, Blue Perfection	15c	.50
Alyssum, Little Gem	10c	.35
Candytuft, Empress	10c	.20
Bellis, Snowball	25c	
" Longfellow	25c	
Salvia Splendens	25c	1.35
" Bonfire	25c	2.50
Verbena, Mammoth mixed	25c	1.50

37 E. 19th St., near Broadway. Telephone: 4235 Gramercy. **New York City**
Mention the American Florist when writing

Reliable Seeds.

SOW NOW.	Tr. pkt,	6 pkts.
Begonia Gracilis Luminosa	50c	$2.50
Begonia Erfordia	50c	2.50
Begonia Zangen's Bedding Queen	50c	2.50
Sweet Alyssum Carpet Queen, real dwarf for pots only, no equal	25c	1.25
Salvia Fireball	50c	2.50

My new Fall List ready for the asking.

O. V. ZANGEN, Seedsman,
HOBOKEN, N. J.

(Trade Mark.)

NEW Flower Seed ...Crop...

For January Sowing.

SEND FOR LIST.

H. H. BERGER & CO.,
70 Warren St., NEW YORK.

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,
Successors to L. K. Peacock, Inc., ATCO, N. J.

The Nursery Trade

American Association of Nurserymen.
J. W. Hill, Des Moines, Ia., President; C. M Hobbs, Bridgeport. Ind., Vice-President; George C Seager, Rochester, N. Y., Sec'y.
Thirty-third annual convention to be held at Milwaukee, Wis., June, 1908.

W. F. LEDMAN has been appointed agent, in the Wabasha, Minn., territory, of the Clinton Falls Nursery Co.

VINCENNES, IND.—W. A. Reiman has a very promising field of peonies. He now has 30,000 plants and reports business good.

ADRIAN, MICH.—A paper from the pen of J. Spielman was given at the meeting of the Lenawee County Horticultural Society January 8.

PASADENA, CAL.—Rice & Skillen of El Monte have leased 10 acres of land from the North Pasadena Land Co., on which they intend to establish a nursery.

SIOUX FALLS, S. D.—The nursery stock act of last winter is to be tested by Henry Hawley by a habeas corpus application filed by him in the supreme court.

MUCH waste of valuable fertilizing property is caused by spreading hot manure thinly on quarters to be prepared and leaving it there steaming and losing the ammonia into the air.

THE American Nursery Co., New York has been incorporated with capital stock $100,000. The incorporators are: Frederick W. Kelsey, New York; Theodore Foulk, Flushing, and Wm. Flemer, Springfield, N. J.

DAVID F. ROY has resigned his position as park commissioner of Malden, Mass., and superintendent of Pine Banks park and now goes to Marion as superintendent of The Moorings, the fine place being developed by Col. H. E. Converse.

SPRINGFIELD, MASS.—Professor F. A. Waugh has just received word from the United States patent office that a patent has been allowed on his pocket plane-table. This is an instrument which the classes in landscape gardening have used for two or three years, and which will probably prove useful for a variety of landscape gardening and engineering work.

THE Texas State Nut Grower's Association at its meeting at Abilene, January 15-16, framed resolutions in favor of the express companies buying and selling fruit and other produce of the truck growers and thus opposing the action of the Western Fruit Jobbers Association. Also to petition the government for aid in fighting the diseases and insect pests of the pecan timber.

AMES IA.—At a recent meeting of the board of trustees of the Iowa State College, C. A. Scott of the United States Forest Service was elected to the chair of forestry to fill the vacancy caused by the resignation of Professor H. P. Baker. Mr. Scott is a graduate of the Kansas State Agricultural College and a student of the Yale College of Forestry. His work has been largely confined to the middle west and the Rocky Mountain states; hence he has the advantage of being familiar with the forestry conditons of the upper Mississippi valley. Since its origin he has had charge of the extensive forest nurseries and plantings of the Dismal River national forest. In 1906 he was elected to membership in the Society of American Foresters, a professional organization which is limited in its membership. His training, experience, strength of character and personality make him one of the best men available for the position to which he has been elected.

How to Have Roses.

Because of seeming difficulties in cultivation, supposed to be due to tenderness, lack of vigor and liability to diseases and insect attacks, many are deterred from entering upon the culture of roses, says W. C. Barry, of Ellwanger & Barry, Rochester, N. Y., in a contemporary. Others think that the rose only blooms once in the year and that the plants afterwards are not only unattractive but objectionable. It will be the aim of the writer in this brief article to mention a few beautiful hardy and half-hardy continuous-flowering varieties, possessing good foliage, and suitable for planting in ornamental beds on the lawn or in plats in the garden proper, and to furnish a supply of cut flowers for house decoration.

Hybridists have greatly added to the list of so-called ever-bloomers which will largely replace the older Bourbons, Bengals and Chinas, none of which can be said to be really satisfactory. The plants are not sufficiently vigorous nor are the flowers attractive enough. The teas, though exceedingly beautiful, are, in the main, too delicate to succeed. But there are some in this list, especially among the hybrid teas, of surpassing beauty, great vigor and remarkable freedom of bloom, and, withal, capable of withstanding severe cold if well protected. The origination of these teas, hybrid teas, and polyanthas, prompts the writer more than anything else to suggest and recommend to all flower lovers to make the attempt at least towards securing a bountiful supply of roses during the summer months.

The basis of successful rose growing is rich soil, ordinary good garden soil, well-drained and thoroughly and deeply spaded, enriched with manure or fertilizer. The soil can hardly be too rich, but the manure must be decayed and thoroughly incorporated with it, and the plants must be set in the soil, not in the manure as it is sometimes done. Well-decayed sod, prepared in advance and forming a compost, is a valuable addition to garden soil. Careful preparation of the soil months in advance of planting, will amply repay the care taken. Very satisfactory beds or masses may be planted of one kind of rose; for example—of Gruss an Teplitz, a vigorous, free-blooming, crimson hybrid tea. This is an ideal bedding rose, being a continuous bloomer, of vigorous habit, good foliage and producing abundantly showy, medium-sized, fragrant flowers of a rich and permanent color.

La France, once regarded as the most beautiful of all roses, is still valuable for bedding as it flowers constantly and freely, is of a beautiful silvery pink color and has a delicious perfume. Caroline Testout is very like the latter, but deeper in color and is one of the best bedders. Killarney is a distinct and vigorous variety free in producing its long tapering buds of a delicate flesh color, suffused with pink. Kaiserin Augusta Victoria, a light yellow hybrid tea, is a fine companion to the above named. Clothilde Soupert is a dwarf polyantha having flowers of a delicate flesh color, with rosy center. It is hardy and flowers abundantly. Baby Rambler, also a polyantha, is particularly well adapted for bedding, being dwarf, hardy, vigorous and continuous in flower. The blooms, being produced in clusters, are not as desirable for cutting as those borne on single stems; nevertheless, the trusses can be utilized in vases with good effect. It improves with age, and moderate protection is recommended.

Cecile Brunner, one of the dwarf fairy-polyanthas, bears perfect little buds, followed by small but perfectly developed blooms of a salmon tint, afterwards becoming white. It is also suitable for bedding. Pink and White Maman Cochet (tea) justly deserve all commendation for cut flower purposes. The flowers are remarkably beautiful in form, charming in color and remain perfect long after being cut. For vases they are unexcelled. The pink variety, while excellent, is surpassed in beauty by the white, which, though a yellowish white, is tinged with blush, rendering it exceedingly attractive. The buds of both are unusually well formed, surpassing in this regard those of almost any other kind, and the plants being very vigorous and floriferous, a large number of blooms may be obtained from a few specimens. The buds of these varieties should not be cut until they are about three-quarters open, being then at their best.

The hybrid perpetuals are not so constant in flowering as those named above. They flower, usually in June, very profusely, and after this refuse to bloom except at intervals. Those mentioned are they that flower over the longest period, have great adaptability to various conditions of climate and are universal favorites as garden roses. Mrs. John Laing is quite hardy, blooms early and late, and has lovely flowers of silvery rose. Ulrich Brunner has cherry red flowers, large and fragrant, good foliage and is very free. Frau Karl Druschki, or Snow Queen, is a newer, pure white variety, exceptionally beautiful in the bud. It will doubtless be much grown when better known, on account of its excellent qualities. Paul Neyron is a very large flowering rose and, in the bud stage, is a very beautiful one. In the fully developed stage it is slightly coarse. The Wilder is a very large, globular, bright red and fragrant variety, hardy, vigorous and free. It is, in short, one of the finest in cultivation.

In order that roses may be employed most effectively they should be planted in beds and masses, from 20 to 100 or more plants together and all of one kind, not a variety or mixture, and the varieties suggested in this article are well adapted to this purpose. When planted in beds, roses should be set about 18 inches apart, or 13 plants for a bed six feet in diameter and 37 plants for one 10 feet in diameter. The hybrid perpetuals may be planted two feet apart, or about seven plants for a bed six feet in diameter, or 19 plants for a bed 10 feet in diameter. I will close with Dean Hole's advice to rose growers:

"He who would have beautiful roses in his garden, must have beautiful

roses in his heart. He must love them well and always. To win he must woo, as Jacob wooed Laban's daughter, though drouth and frost consume. He must have not only the glowing admiration, the enthusiasm and the passion, but the tenderness, the thoughtfulness, the reverence, the watchfulness of love."

Raising Golden Seal.

ED. AMERICAN FLORIST:—

Please give me details as to raising and cultivating Golden-seal. E. G. P.

Golden-seal (Hydrastis Canadensis) is a native of the eastern states and delights in ample root moisture and a soil containing peat or leaf mould. It may be propagated by division of the roots while dormant or from seed sown in spring. G.

Retail Nurserymen's Association.

The fifth annual dinner of the Retail Nurserymen's Association was held January 21, at the Powers Hotel, Rochester, N. Y., and proved to be one of the best of the series, in spite of the fact that owing to illness some of the men announced to speak were unable to be present.

After the dinner President Wm. Pitkin welcomed the guests and introduced the toastmaster, Edward B. Lynn, in a witty toast to which the toastmaster responded in kind. Owing to the inability of Eugene J. Dwyer to be present and respond to the toast "the Flower City," the subject was assigned to Wm. C. Barry, who explained that he had made no preparation except by living in the city for many years. He said in part:

"We are proud of Rochester and its development, for its beauty and its growth, but these did not come of themselves. Rochester, it is true, has very many natural beauties, but if you will look over the history of Rochester 40 years ago you will find that there were many people deeply interested in beautifying the city. They were men of high ideals who worked gradually and successfully, and today you have the results of their labors, which are by common consent admitted to be admirable. In this city the industry was inaugurated which spreads to all parts of the globe beautiful flowers, trees and fruits. The flowers and trees and fruits have the effect of elevating mankind, to beautify the world itself and to make life pleasant. You are the men who are continuing this work and you may well be proud of your industry.

"Language is not strong enough to describe the beauties of the flowers and shrubs which you are putting into the hands of the people all over the world. When a tree is planted for its fruit or for ornamental purposes think of the number of people who are to get the benefit. Then multiply that number by the thousands on thousands of trees sent out of Rochester each year and you will find that your business is one which is doing great good and harms no one." —

Wind Sows the Scale.

The San Jose scale will kill a tree outright in three years. I have seen a whole peach orchard wiped out by the insect, says a writer in American Cultivator. The scale insect can be carried by a man when picking the fruit, pruning or working in the orchard; birds may convey it or insects; it may be blown by the wind. To show that they will blow I cite the case of a man at work in the orchard whose back was covered with them as he walked along in the wind.

PEONIES.

Festiva Maxima.....$20.00 per 100
Queen Victoria (Whitleyi)..... 9 00 per 100
Fragrans (Late Rose)..... 6.00 per 100

For 1000 rates and other varieties, write

GILBERT H. WILD, Sarcoxie, Mo.

Mention the American Florist when writing

Free Peony Book
and price lists of general Nursery Stock.

Felix & Dykhuis
BOSKOOP, HOLLAND.

For quality and moderate prices.

Mention the American Florist when writing

STOCK YOU WILL NEED.

MARGUERITE, Queen Alexandria, $3.00 per 100.

SPIREA CLUMPS, Large field clumps, full of eyes.

Astilboides Floribunda, $4.25 per 100; $40.00 per 1000.
Astilboides Superba, $6.00 per 100.
Nana Compacta, $4.50 per 100; $40.00 per 1000.
Japonica, $4.00 per 100; $35.00 per 1000.

BOXWOOD, Fine bush shaped plants, 30 to 36 inches high 18 to 20 inches through, $2.00 each. Pyramid shape, 30 to 36 inches high, 15 inches through, $1.75 each.

RHODODENDRON, Short, well formed plants for pots, full of buds, 18-in. size $9.00 per doz, 24-in size $12.00 per doz.

AZALEA Mollis, Bushy plants full of buds, force very easily, 12 to 15 inches high, $25.00 per 100. 15 to 18 inches high, $35-00 per 100.

AZALEA Indica, Some especially fine plants in Mad. Vander Cruyssen, Niobe, 16-18 in. crowns, $1.00 each; 18-20 in. crowns $2.00 each.

BOUGAINVILLEA, Glabra Sanderiana,. Short, well trimmed plants that will bloom full for Easter, 4-in. pot plants, 6-8 in. crowns, $20.00 per 100. $2.75 per dozen.

CANNAS. One of the best collections of market varieties including: Beauty Poitevine, Crimson Bedder, Charles Henderson, Florence Vaughan, etc. strong two eye divisions, $3.00 per 100. $25.00 per 1000.

BOSTON FERN, 2½-in., well established $4.00 per 100; $35.00 per 1000.

The Storrs & Harrison Co., PAINESVILLE, OHIO.

MANETTI Smooth, evenly-graded, especially selected for Florists' use.

Grafting size, 3-5 mm. $ 8.00 per 1000: $75 00 per 10,000.
Extra size, 5-9 mm. 10.00 per 1000: 90.00 per 10,000.

First consignments expected soon; order **NOW** for prompt shipment on arrival and avoid disappointment.

Send for price list of Nursery Stock for Florists: Roses, Clematis, Ampelopsis, Lilacs, Deutzias, Spireas, etc.

JACKSON & PERKINS CO., NEWARK, NEW YORK.

LARGE TREES.
OAKS and MAPLES.
PINES and HEMLOCKS.
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA

Mention the American Florist when writing

The True Amoor River Privet
Ligustrum Amurense
2½ to 3 feet, strong, field-grown plants, any quantity, $25.00 per 1000.
California same size and price.
Peter's Nursery Co., Knoxville, Tenn.

HardyRoses
American Grown—Superior to Imported

We have unsold at the present time the following varieties—**all field grown plants,** grown in our nurseries at Rochester, N. Y.:

Anne de Diesbach	Prince Camille
Clio	Ulrich Brunner
Frau Karl Druschki	Crimson Rambler
General Jacqueminot	White Rambler
John Hopper	Yellow Rambler
Mme. G. Luizet	Philadelphia Rambler
Marshall P. Wilder	Common Sweet Briar
Mrs. John Laing	Mme. G. Bruant
Paul Neyron	Wichuriana (The Type)

These plants are in our storage cellars and can be shipped at any time. Prices on request.

ELLWANGER & BARRY
Nurserymen—Horticulturists
Mount Hope Nurseries, Rochester, N. Y.

AZALEAS (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

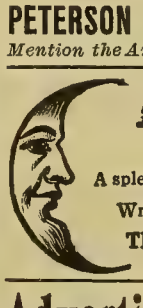
Jacs Smits, Ltd. NAARDEN, (Holland.)
Price list free on demand.

—THE—
Royal Tottenham Nurseries, LTD.
Established in 1872.
Managing Director, A. M. C. VAN DER ELST.
Dedemsvaart, Holland.

Headquarters for **HARDY PERENNIALS,** among which are the latest and choicest. 13 acres devoted to growing this line, including Anemone, Aster, Campanula, Delphinium, Funkias, Hemerocallis, Hepatica, Incarvillea, Iris, Peonies, Phlox decussata and suffruticosa, Primula, Pyrethrum, Tritoma, Hardy Heath, Hardy Ferns. Also 6 acres of Daffodils, 12 acres of Conifers,, specially young choice varieties to be grown on; 3 acres Rhododendrons including the best American and Alpine varieties; 2 acres Hydrangeas. We make it a point to grow all latest novelties in these lines. Ask for Catalogue.

Mention the American Florist when writing

TREES AND SHRUBS.
Immense quantities, low prices.
Send in your lists for figures.
PEONIES A SPECIALTY.
PETERSON NURSERY, 108 La Salle St., CHICAGO.
Mention the American Florist when writing



ARBOR VITÆ
(Thuya Occidentalis.)
A splendid stock, of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.
THE WM. H. MOON CO.,
Morrisville, Pa.

Advertisements should be mailed so as to reach us not later than **Tuesday** of the week in which they are intended to appear.

CARNATION CUTTINGS.

DEPEND

On receiving only strong and healthy cuttings when you order from us. We have only the nicest and best varieties. Write for further information to

Guttman & Weber

The Wholesale Florist of New York.
42 West 28th Street.

Grower,
Lynbrook, L. I.

Victory, Imperial, Pink Imperial, Aristocrat, Winsor, Welcome, White Perfection, Lieut. Peary, Rose Pink Enchantress, etc.

London.

Geo. Monro, Jr., has received the first consignment of galax leaves, bronze and green, in prime order. They sell at 50 cents per dozen bunches, 25 in a bunch.

Callas are scarce and bring $1.75 to $2 per dozen flowers; Lilium longiflorum is worth $1 per dozen; Golden Spur narcissus, 30 to 35 cents per dozen. Tulips, in pots and cut, are very cheap and sell for little more than the cost of the bulb. Many pot plants are frozen in spite of careful wrapping.

January 11. Azaleas and Asplenium Nidus Avis stand the cold weather better than most other plants. Cut flowers are short except carnations which are in over supply. Brittania is worth $1.25 per dozen. Chrysanthemums are still plentiful especially Framfield Pink and Pancoucke (white) which are worth 50 cents per dozen. French supplies to this market are very irregular.

National Sweet Pea Society, Eng.

The following circular was sent to members of the National Sweet Pea Society who are raisers of new varieties: "My committee propose holding a further trial of sweet peas at the University College Gardens, Reading, during 1908, and I shall therefore be very glad if you will assist us in making these trials as complete as possible by sending seeds of new sweet peas you may be distributing in 1908, or are getting forward for distribution in 1909. I need hardly add that the trial will be an absolutely independent one, and under the able management of Charles Foster. Not fewer than 15 seeds of each variety should be sent, and they should be sent to Mr. Foster, Assistant Director in Horticulture, University College, Reading. You will greatly oblige by indicating the color section to which each variety belongs, whether it has waved or plain flowers, and whether you would care to have it tested by the side of any standard variety. This information should be on a separate sheet of paper, and a duplicate copy sent to me will further facilitate matters. My committee does not propose to make a charge for these trials, but suggests that a donation be sent to the honorary secretary to help defray their cost. The trials conducted in 1907 necessitated considerable expenditure and this was defrayed chiefly by private donations. No awards to new varieties will be made at the society's exhibitions in 1908; awards of merit or first-class certificates will be granted only to meritorious varieties tested in the society's trials at Reading. The value of these trials to all raisers and growers is so great that I trust you will kindly render whatever assistance you can."

CHARLES H. CURTIS, Sec'y.

Bulletins Recently Issued.

By the Department of Agriculture, Washington, D. C.:

"The Mulberry and Other Silk-worm Food Plants," by Geo. W. Oliver.

"Harvesting and Storing Corn," by C. P. Hartley.

"The Culture and Uses of Brome-Grass," by R. A. Oakley.

By the Maryland Agricultural Experiment Station, College Park:

"Sweet Corn Investigations," by M. N. Straughn.

LLOYD Will Not Disappoint You.

The only ever blooming White Carnation in existence. It is the bread and butter white of the future. Size and stem of Enchantress, with the freedom of McGowen. Easy Rooted. Excellent keeper and shipper. Best seller of any carnation on the market.

Rooted Cuttings, $2.00 per doz., $12.00 per 100, $100.00 per 1000; unrooted $6.00 per 100, $50.00 per 1000.

H. A. JAHN, New Bedford, Mass.

NEW CARNATION

PRESIDENT SEELYE

The Unexcelled White

A Seedling from Mrs. T. W. Lawson and The Queen, now in its fourth year,

A large well-formed flower, long stemmed from the start; fragrant and productive; easy to grow; calyx does not split, and will do the best in a temperature of 50° to 52°

A money maker for the wholesaler and excellent for the small retail florist who grows but a few hundred of each kind.

The trade is invited to visit the greenhouses and see it growing. Every cutting guaranteed well rooted and free from disease. $10.00 per 100; $75.00 per 1000.

Orders booked now for January delivery.

H. W. FIELD, Northampton, Mass.

Immediate delivery of the following

CARNATIONS

	Per 100	Per 1000
Winsor	$ 6 00	$ 50 00
White Enchantress	6 00	50 00
Aristocrat	6 00	50 00
Beacon	6 00	50 00

Write for list of other varieties.

Jensen & Dekema, 674 Foster Ave., Chicago, Ill.
Mention the American Florist when writing

White Enchantress.

ROOTED CUTTINGS
$6 00 per 100; $50.00 per 1000.

E. SCHRADER, New Springville,
RICHMOND BOROUGH, N. Y.

JOHN E. HAINES,
BETHLEHEM, PA.,

is the place to order rooted cuttings of the following varieties for 1908.

	Per 100	Per 1000
John E. Haines, red	$6.00	$50.00
Imperial, variegated	6.00	50.00
Pink, Pink	6.00	50.00
Enchantress, Light pink	6.00	50.00

Place orders early for December delivery.

EARLY JANUARY DELIVERY

50,000 Well-Rooted Winsor Cuttings

WRITE FOR PRICES.

WILL BROS. Wholesale Florists...
P. O. Box 29, MINNEAPOLIS, MINN.

AVERAGE SIZE FULLY 3 INCHES.

Defiance

Is the **ONLY** scarlet to grow for quality and quantity. It is of perfect form and habit and is unexcelled for productiveness. We can still promise February delivery on a few orders. Better send us your order at once.

$12.00 per 100; $100.00 per 1000

Usual discount on larger orders.

JENSEN & DEKEMA,
674 W. Foster Ave., CHICAGO.

W. N. RUDD,
MORGAN PARK, ILL.

Watertown, S. D.

The South Dakota Horticultural Society held its annual convention here January 21-23. The mayor made an address of welcome, which was responded to by Vice-President Gurney of Yankton. The treasurer's and secretary's reports were received, and the following papers read:

"Home Gardening on a Town Lot," J. P. Cheever, Brookings; "Garden Notes for 1907," A. J. Glidden, Hitchcock; "Market Gardening," H. H. Stoner, Highmore; "Tomato Culture for Market and Home Use," Thomas A. Hobart, Sioux Falls; "Shelter Belts," M. P. Beebe, Ipswich; "Street Trees," George H. Whiting, Yankton; "Shelter Belt Experience," George L. Carson, Bradley; "The Russian Olive for Ornamental Hedges," C. B. Chambers, Faulkton; "Prairie Tree Planting," A. W. Krugar, Groton; "Windbrakes and Shelter Belts for Farm Homes," Iver Eitreim, Colton; "Shade Trees for the North," Fred J. Hutchins, Huron; "Forest Tree Planting in the Black Hills," C. V. Gardner, Piedmont.

President G. A. Tracy of this city delivered his annual address in the evening of January 22. Miss Minnie Avery of Council Bluffs, Iowa, delegate from the Iowa State Horticultural Society, spoke on "Woman's Work in the World," and the remainder of the evening was devoted to papers on "The Culture of Flowers," speakers from Pierre, Sioux Falls, Watertown, Aberdeen, Brookings, Huron, Mitchell, Forestburg and York, Neb., taking part.

SALINA, KANS.—Thos. Anderson, president of the Saline County Horticultural and Mechanical Association, reports a good meeting of the state board at Topeka recently.

JACKSONVILLE, ILL.—Secretary of State James A. Rose granted a license to incorporate, January 14, to the Gulf Coast Agricultural and Horticultural Development Co., headquarters here. The capital stock is $50,000, and the purpose is the cultivation of the land and the marketing of crops. The organizers and first board of directors are: C. A. Burton, O. E. Tandy and R. Y. Duncan.

CARNATIONS.

Well Rooted Cuttings. Ready for Shipment.

PINK.	Per 100	1000
Lawson	$1.50	$12.50
Rose Pink Enchantress	3 00	25.00
Enchantress	2.00	15.00
WHITE.		
White Lawson	2.00	15.00

WHITE.	Per 100	1000
Lady Bountiful	$2.00	$15.00
Boston Market	1.25	10.00
RED.		
Robt. Craig	2.50	20.00
Cardinal	2.00	17.50

Rose Cuttings. Strong, well rooted Cuttings.

Bride, Bridesmaid, Ivory, Richmond, Chatenay, Uncle John	$1-50	$12 50
Sunrise and Kate Moulton	3 00	25 00
Perle	2 00	17 50
American Beauty, bench plants, now ready,	10 00	75.00

PETER REINBERG,
51 Wabash Ave., CHICAGO.

Mention the American Florist when writing

CARNATIONS ROOTED CUTTINGS.

Aristocrat	Per 100, $ 5 00	Enchantress	Per 100 $ 2 00
Winsor	" 5 00	Lady Bountiful	" 2 00
Perfection (White)	" 2 75	Victory	" 2 75

Rose Pink Enchantress $2 75 per 100.

SALVIA ZURICH. The Ever-blooming Salvia. Rooted cuttings $1 75 per 100; 2-in. $3.00 per 100.
The Salvia Zurich was first introduced by us.

PERENNIAL GARDENS CO., Toledo, Ohio.

The Wonders of 1907

Imperial and Pink Imperial Carnations

The color of "Imperial" is a variegation of delicate Pink similar to the shade in "Enchantress", with darker shades of pink.

The **Color** of "Pink Imperial" is a most pleasing shade of Pink, one that has long been wanted in the cut flower market.

The **Stems** of both these varieties run from three to four feet in length, are extra strong and have no equal in the Carnation of to-day.

The **Calyces** are good and strong and are practically non-bursters.

The **Flowers** are well formed, run from three to four inches in diameter and are very fragrant. They are early, free and continuous bloomers, from October until late in July. Strong growers, every shoot a a flower. Have shown them both at the November Shows with thirty inches of stem. Vases of blooms shown at this fall's Show at Philadelphia, were pronounced the finest ever shown there. Both took first prizes at Washington.

"John E. Haines," **the leading scarlet,** has proved to be all that was claimed for it,

Color, most brilliant scarlet.

Stem, from two to three feet in length, strong.

Calyx, good and strong non-bursters.

Flower, three to three and one-half inches in diameter.

Productiveness, unsurpassed, bloons 12 months of the year. No extra grass. Every shoot a flower.

Prices, for selected cuttings of each variety, delivery commencing December, 1907. $6.00 per 100; $50.00 per 1000.

Place your orders early. **Visitors always welcome.**

JOHN E. HAINES, Carnation Specialist,

Headquarters at BETHLEHEM, PA.

ORIGINATOR of three varieties. **JOHN E. HAINES,** Scarlet; **IMPERIAL,** Variegated; **PINK IMPERIAL,** Pink.

Making a Floral Design.

ED. AMERICAN FLORIST:—

Please give me ideas as to the most artistic way of making a floral design of a key-stone, mostly of carnations. Would it be better to use a key-stone on an easel or without?

E. W.

The keystone, as other flat designs, is without doubt more effective, and makes a far better showing if mounted in some manner, whether it be an easel or stand. As to the construction of the design in itself care should be exercised in bringing out the desired form. This result may be gained best by making the body solid of white carnations with a good heavy border of green which will aid materially in bringing out the shape and at the same time afford a relief for the white in the body. A trifle to the right and above the center, arrange a light half crescent spray of, say lily of the valley and maidenhair ferns, being careful to make the spray of light, airy character and not too large. These suggestions of course best apply to the medium priced design and may be elaborated upon considerably, but this plan carefully carried out will assure you of a neat, tasty design, simple but effective.

K. C.

This emblem is somewhat limited in its proper use and is not a familiar design in many sections of the country. As a tribute to a deceased friend it is usually connected with the fraternal orders, and in the state of Pennsylvania it is perhaps more often seen than elsewhere. As a suggestion for an effective but not costly design, displaying in the simplest and most comprehensive manner, a keystone as a funeral tribute should be displayed reclining on an easel. The body of the design is most effective when of solid white and for this the most available and suitable flower to use is the white carnation, and when placed compactly and evenly an outline of pink carnations would bring prominently to the eye the figure of the design. In selecting the pink carnations care should be taken to select a good shade, a medium pink being best adapted. In the center of the design is usually displayed the insignia of the particular order or society. Purple chenille and letters are the most plainly displayed. Violets, although consuming considerable time in forming, are most tasty, each flower having to be wired separately.

The finishing touches are the next step. A light spray of some choice flower would decidedly improve the design and greatly relieve the solid appearance. Cattleyas, lily of the valley, pink sweet peas, myosotis or cypripediums all allow of good taste. Adiantum lightly sprayed through these flowers further improves the general appearance. The design itself should be sufficiently elevated to permit of a suitable basic formation. Asparagus Sprengeri can always be used to excellent advantage and is a most valuable accessory. It should be carefully sprayed on the whole outline but not used in such quantities as to become too conspicuous. The idea, when designing this class of work, is to bring first to view most prominently the figure desired. All additions should be simply to relieve the coarseness of a solid figure. B.

Chrysanthemum Novelties

Both Foreign and Our Introduction, **ARE NOW BEING DELIVERED.**

WE HAVE ALL THAT ARE WORTH HANDLING.

ALSO THE BEST STANDARD SORTS.

PURCHASE NOW while stock is unbroken.
Prepare for bush plants or specimens, and

Secure the Commercial Novelties and Double Stock Before Planting Time.

Our most complete Chrysanthemum Catalogue has been mailed. Drop a card if not received.

ELMER D. SMITH & CO., Successors to Nathan Smith & Son, **Adrian, Mich.**

Mention the American Florist when writing

THE NEW .. CARNATION **AFTERGLOW**

WAS AWARDED A

Gold Medal by the Rhode Island Horticultural Society, at Providence, Nov., 1907. (Exhibited by Wm. Nicholson)

Craig Silver Cup by the Penn. Horticultural Society at Philadelphia. Nov., 1907. (Exhibited by Dailledouze Bros.)

First Prize by the St. Louis Horticultural Society at St Louis, Mo., Nov., 1907. (Exhibited by The E. G. Hill Co.)

First Prize by the State Florists' Association of Indiana at Indianapolis, Nov., 1907. (Exhibited by the Originator.)

Scored the highest number of points of any seedling exhibited at the Toronto Exhibition of the A. C. S. Jan., 1907, after arriving 24 hours late from Framingham, Mass.

Aside from these honors, the fact that it has been grown successfully wherever it has been tried is the best proof of its commercial value. Orders now booked by the undersigned, to be filled in rotation for well grown, well rooted cuttings at

$2.00 per doz.; $12.00 per 100; $100.00 per 1000.

WILLIAM NICHOLSON, Framingham, Mass. — THE E. G. HILL CO., Richmond, Ind. — DAILLEDOUZE BROS., Flatbush, Brooklyn, N. Y. — R. WITTERSTAETTER Originator, Sta. F., Cincinnati, Ohio.

"Two Shades of Red"

Do you want **THE BEST CRIMSON** on the market? If so, let us book your order for

HARVARD "A greatly improved Harlowarden, with a larger flower, better stem and very prolific." **Rooted Cuttings, $12.00 per 100; $100.00 per 1000.**

FAUST "A brilliant scarlet, very prolific, many plants last Christmas having 20 buds and blooms to the plant. Best of its color for commercial use." **Rooted Cuttings, $6.00 per 100; $50.00 per 1000.**

REMEMBER WE GUARANTEE SATISFACTION. Address all orders to

JAMES D. COCKCROFT, Northport, Long Island, N. Y.

Retailers' Windows.

Cleanliness and neatness are the principal points to study in window decoration. No matter what class of stock is used it is improved in appearance if everything around it is clean and neat, while the best stock looks but poor if viewed through a smeary window or accompanied by other signs of careless management. Regarding the display of cut flowers, the attempt to crowd too much and too many different colors into one window is always unattractive and unsatisfactory. Unless one has a good eye for color contrasts it is always safe to depend upon one color, with white, or simply one color alone. There is no risk then of an incongruous mixture. A window decorated entirely with one flower with suitable green is always effective and many successful retailers seize the opportunity of a glut of any variety to make a grand display of it temporarily. This is good business policy, for it never pays to allow the window to get into disorder because trade is quiet. An attractive window is at all times a good drummer.

IF YOU CAN'T

MAKE A PROFIT

ON AN ADVERTISEMENT HERE

it is the fault of your business methods

CARNATIONS Now Ready

Afterglow the new pink, and **Brittania**, the English scarlet..$1.75 per doz.; $12.00 per 100
Pot plants, 2½ in..... 16.00 per 100

	Per 100	Per 1000
Aristocrat, Winsor, Imperial, Beacon and **Pink Imperial**.....	6.00	50.00
White Perfection, Enchantress, Craig, Victory, Bountiful and **Patten**....	3.00	25.00
Fair Maid, Variegated Lawson, Peary and **Lawson**.....	2.50	20.00

BOOKING ORDERS FOR GRAFTED ROSES OF ALL STANDARD VARIETIES.

Send for my complete list.

CHARLES H. TOTTY, Madison, N. J.

Rooted Carnation Cuttings

White.	Per 100	1000
White Perfection	$3 00	$25 00
White Enchantress	6 00	
Pink.	**Per 100**	**1000**
Enchantress	$2 00	$15 00
Rose Pink	3 00	25 00
Lawson	1 75	15 00
Helen Goddard	2 50	
Aristocrat	5 00	
Red.	**Per 100**	**1000**
Beacon	$6 00	$45 00
Victory	3 00	25 00
Robt. Craig	3 00	25 00
Crimson.	**Per 100**	**1000**
Harlowarden	$1 75	15 00

ELI CROSS,

Cor. Ashland Ave. and Page Street. **Grand Rapids, Mich.**

Mention the American Florist when writing

CARNATIONS

Rooted Cuttings.	Healthy stock.	
	Per 100	1000
Winsor, Helen M. Gould Beacon	$6.00	$50.00
White Enchantress	7.00	60.00
Melody, Victory	4,00	
Enchantress, Lady Bountiful, Red Lawson, Variegated Lawson, White Lawson, Daheim	3.00	25.00
Mrs. T. W. Lawson, Boston Market	2.00	15.00

Send for Catalogue.

WOOD BROTHERS

FISHKILL, N. Y.

Mention the American Florist when writing

Floral Ideas.

In the process of selection to which the selective cultivator subjects the flowers which it is his aim to improve, and to which we owe a very large percentage of our most attractive horticultural gems, there is formed in many instances a sort of ideal type of perfection towards the attainment of which the selector directs all his efforts, by eliminating those which stray from the direct line, and choosing those which most closely adhere to it. All, however, that he can do in this connection is to trust that Dame Nature will help him by inspiring, as it were, the right spirit into the offspring of the plants he propagates. These vary, it may be, in all sorts of seemingly wayward ways which he cannot influence one jot. All he can do is to watch for indications (they may be faint or they may be distinct) which approach his ideal, and encourage these by selection and special care. Very often, however, that ideal is not nature's; it contravenes some hidden law ungrasped by man, hence he is constantly frustrated; or maybe, when a triumph is achieved, she handicaps it with sterility.

Undoubtedly the best ideals of floral beauty are those which adhere most closely to natural types. Somehow or other in the process of evolution, the interaction of the insect world and the floral world has led to the production of many flowers of the greatest charm from the human point of view, so that apart from the humbler loveliness of many of our native flowers, our expert plant hunters in tropical, sub-tropical, and even temperate regions have discovered and introduced many floral types which cannot be excelled by the florists' highest ideals.. On the other hand, however, a considerable number of our finest docorative flowers have been derived from very inferior forms, so far as size and brilliancy and variety of color are concerned.

The pursuit, however, of a fixed ideal in a definite direction, and the resulting elimination and destruction of all variants in other directions, is fraught with a danger of no small consequence. Nature has a knack of creating quite unexpected sports, displaying characters altogether different from the parental ones, and consequently quite outside the line leading direct to the florist's ideal. In the young stage, assuming the sport to originate in a seedling, the difference would quite possibly constitute a direct invitation to the selector to weed it out as one of the unfit, as it certainly would be as a contributor to the attainment of the ideal in question. On the other hand, however, it is possible that it represents a starting point for a different ideal altogether, for there are many types in cultivation which are entirely due to nature's inventive powers in the sport line, and would never have otherwise been conceived by man. Sometimes new types start as mere indications; hints, as it were, for the selective cultivator to follow. Smooth-edged leaves show slightly serrated edges, and these, by selection, may result in a few generations in deeply divided leaves, as we see in the fern-leaved sections of normally plain leaved primulas. So with flowers—smooth petals may break into serrate and even fringed ones, or a few petaloid stamens, at the outset mere deformities, may lead to the finest double flowers.

Obviously, therefore, a slavish adherence to selection in one particular direction, i. e., towards a floral ideal, is a mistake. We have in mind the first indications of cresting, as it is called, in tuberous begonias. Normally, the surface of the begonia petal is perfectly smooth, and under selective culture and skilful hybridizing so large a number of types, single, double, and of all colors were raised that, as in the case of the dahlia, the possibilities of variation seemed exhausted. Then, suddenly, seedlings appeared, in which the central surface of the petals was broken up by excrescences, and we distinctly remember how judges condemned this as "spoiling the flower," because it was outside the ideal. Begonia growers, however, persisted in encouraging this new feature by selection, and as a consequence we have now a number of beautiful flowers with richly fringed and encrusted petals of generally recognized beauty—a section in itself. The moral of which is, that it is well for the selective cultivator to keep an open mind and watch for other indications as well as the main one he has in view.—Journal of Horticulture.

NEW YORK.—E. A. Turner has leased the parlor floor at 118 Lexington avenue, southwest corner of Twenty-eighth street, to the Greek-American Retail Florist and Growers' Association, to be used as an office and meeting rooms of the association.

PITTSBURG, PA.—Simon Held, Sr., aged 79, died January 19 of the grip at Fair Oaks, where he had been living for several years. He had been ill for about a year. He was born in Westphalia, Germany, and came to this country 25 years ago, engaging in gardening. Owing to his failing health he was compelled finally to go to a home at Fair Oaks. He was a member of the Smithfield Street German Evangelical church.

ALWAYS IN DEMAND.

Araucaria Robusta Compacta and Excelsa Glauca.

The lion of the Araucaria family, as big as a Christmas tree, perfect jewels in shape and color, about the same in width as in height. Specimen plants, 6 to 7-in. pots, 6 years old, 4-5 tiers, 28, 30, 35, 40 in. high, worth a ten dollar bill, only $3.00; 6-in. pots, 6 years old, 4, 5, 6 tiers, about 25 to 28 in. high. $2.50; 6-in. pots, 5 years old, 3, 4, 5 tiers, 20 to 25 in high, $2.00; 6-in. pots, 5 years old, 3-4 tiers, 18 to 20 in. high, $1.50 to $1 75; 6-in. pots, a trifle smaller, 3-4 tiers, Glauca only (no Compacta), $1.25.

Araucaria Excelsa, 6 years old, 6 to 7 in. pots, 5-6 tiers, 25-30 in. high, $1.50; 6-in. pots, 5 years old, 5 tiers, 22-25 in. high, $1.00 and $1.25; 6-in. pots, 4 to 5 years old, 4-5 tiers, 20-22 in. high, 75c; 5¼-in. pots, 2 years old, 2-3 tiers, stocky little plants, 6-7-8 in. high, 40c. Sold out of 50-60c sizes.

Kentia Belmoreana and **Forsteriana,** Belgium and home-grown stock, 4-in. pots, 18 to 20 in. high, 35c; 5¼, 5½ and 6 in. pots, bushy plants, 50c, 60c and 75c each.

Areca Lutescens, 4-in., made up of three plants, 18 to 20 in high, 20c.

Asparagus Plumosus Nanus Compacta, 3-in. pots, very strong plants, $7.00 per 100; 4-in. pots, $10.00 per 100.

Dracena Bruanti, from Belgium, full of green foliage from bottom to top, 6-in. pots, 22 to 25 in. high, 40c each

Begonia Improved Erfordii, 4-in pots, very large, $2.00 per doz.; 5¼-in., in bloom and bud, 25c each, or $3.00 per doz.

Cocos Weddelliana (Palm), 3-in. pots, 12-15-18 in. high, 15c to 18c each.

Ficus Elastica or **Rubber Plant,** home grown and Belgium stock, 5, 5½, 6 and 7 in. pots, 30c, 35c, 50c, 60c and 75c each.

☞ Now is the time to force **Hydrangea Otaksa** for Easter blooming. Remember only pot-grown will force successfully for Easter. We raise ours in pots outside in cold frames during summer. Can spare of these about 500 plants from 6 to 7-in. pots. Price, 25c 35c, 50c and 75c each.

Azalea Indica for Easter blooming. Have an immense stock grown for us in Ghent, Belgium, by an expert in azaleas. Have only leading varieties, such as Mme. Van der Cruyssen (2,500 alone, all shapely plants, full of buds), Simon Mardner, Vervæneana, Bernard Andreas Alba, Apollo, Niobe, Deutsche Perle, Prof. Wolters, Empress of India, and others; all planted in 6-7 in. pots. Price 60c, 75c, $1.00, $1.25, $1.50, $2.00 to $2 50 each.

Latania Borbonica, 4-in. pots, about 18 to 20 in. high, 25c each.

Choice Nephrolepis, all pot-grown.

A middle bench full of choice **Whitmani Ferns** in splendid shape, 7-in. pots, bigger than 8 in., made up in July (three plants in pot), now big as a bushel basket, worth $3.00, and are beauties, cut down to $1.50 and $1.25 per pot; 6-in. pots, very handsome, 75c to $1.00 each.

Boston Ferns, 8-in. pots, made up, very bushy, as big as a wash-tub, worth $3.00, only $1.25 to $1.50; 7-in pots, as big as a bushel basket, worth $2.00, price 75c to $1.00; 6-in. pots, very large, only 50c; 5-5½-in. pots, 30c, 35c and 40c.

Scottii Ferns, 7-in. pots, very large, $1 00 to $1.25; 6-in. pots, 50c, 60c and 75c.

Piersoni Ferns, 6-in., good, 50c; 5-5½-in., 30c, 35c and 40c; 4-in. pots, 25c.

Pteris Wilsoni, very handsome, 5¼-in. pots, 20c.

Nephrolepis Amerpohli, small 4-in. pots, 50c.

Please mention if in or out of pots. All goods must travel at purchaser's risk. Cash with order, please.

GODFREY ASCHMANN, 1012 West Ontario Street, **Philadelphia**

Importer, Wholesale Grower and Shipper of Pot Plants.

GERANIUMS

Our new decriptive catalogue, mailed to the trade, Standard varieties and novelties from $2.00 per 100 up. We will send one thousand, 50 each of 20 good sorts for $18.50; five hundred for $9.25. Cash with order; not less than 500 sent at this price.

PELARGONIUMS Purity, Countess of Crew Duke of Cornwall, Galatea, Gloriosa, Lady Carrington, and Tommy Todd, Fine stock at $1 50 per doz.; $6 00 per 100.

Miscellaneous Plants, From 2-inch pots, ready for immediate shipment.

	Per 100
Ageratum, Stella Gurey	$2 00
Alyssum, Giant double	2 00
Cuphea. Cigar plant.	2 00
Hardy Chrysanthemums,	2 00
Coleus, 10 good varieties	2 00
Fuchsias, in good assortment	3 00
Fuchsias, Black Prince and Minnesota.	2 00
Hardy English Ivy, $15 00 per 1000	2 00
Lobelia, Crystal Palace Gem	2 00
Lantanas, 10 good varieties	2 00
Panicum. Variegated	2 00
Tradescantea, park variegated	2 00
Verbena, white pink scarlet and purple	2 00
Rosemary and **Lavender,**	2 00

DAHLIA ROOTS 100 good sorts left at $5.00 per 100; $40.00 per 1000 and up. Send for list.

Visitors always welcome. Cash with order.

R. VINCENT Jr. & Sons Co., WHITE MARSH, Balto Co, MD.

10,000

Dbl. Red Geraniums

Best bedders, 2½-in. $3.00 per 100; $25.00 per 1000. Send for samples. Good, strong plants. **MUST HAVE ROOM.**

SCHMAUS BROS., Paducah, Ky.

GERANIUMS

ROOTED CUTTINGS.

All engaged until early in March. Will have a big lot then. Send for list and place your order if wanted at that date.

ALBERT M. HERR. Lancaster, Pa.

ROOTED CUTTINGS. Prepaid per 100. Heliotrope German Ivy, 75c; Alternanthera 50c; Fuchsia, Coleus, Ageratum, Verbena 60c; Salvia Vinca, 85c. Giant Marguerite Daisy, yellow. Cash. List Free.

SHIPPENSBURG FLORAL CO. Shippensburg, Pa

PANSY PLANTS.

	Per 1000	100
Giant Flowering	$ 2.50	.50
Coleus, 10 varieties, 2¼-in. pots		2.00
Canna, C. Henderson, dry bulbs		2.00
Geraniums, 10 vars., 2½-in. pots	25.00	3.00
Vinca, Variegated; 2¼-in. pots		2 50

—CASH.—

JOS. H. CUNNINGHAM, Delaware, O.

Alternantheras.

Strong rooted cuttings red and yellow, 50c per 100, or $4.00 per 1000. **Brilliantissima** 60c per 100, or $5.00 per 1000.

DAVIS BROS., Morrison, Ill.

Extra Fancy Carnation Blooms

Shipped direct to all points. Special attention to telegraph orders. Give us a trial and be convinced.

J. D. THOMPSON CARNATION CO., Joliet, Ill.

ANNOUNCEMENT

Our new seedling Carnation,

TOREADOR,

will not be disseminated until January 1909. For further particulars address

THE H. WEBER & SONS CO., Oakland, Md.

Toronto.

FUNERAL WORK PLENTIFUL.

Funeral work is the leading feature of the retail trade at present and, aside from this, the sales are only ordinary; the cut of roses is not very large so that the market is pretty well cleaned up of these each day. The few days of sunshine have been very favorable and the color is good. Richmond and Killarney are much the best, though there are some very good Bride and Bridesmaid to be seen. Carnations are more plentiful; the crop is not over large but the many varieties of bulbous stock have lessened the demand and they can be bought very reasonable.

January 22, Violet day, in memory of the late Queen Victoria, saw the market over supplied, and good blooms could be had in some of the stores as low as 75 cents per 100 retail; some of the growers are putting them in very low when taken in quantities.

NOTES.

At a meeting of the Gardeners and Florists Association the prize list for the industrial fair was arranged but with the exception of the large groups and decorative plants there has been little change. The officers for 1908 are: Sir H. M. Pellatt, honorary president; A. Houle, president; E. Graham, first vice-president; J. Mathew, second vice-president; executive committee: T. Manton (chairman), Geo. Douglas, W. H. Foord, W. Jay, W. Wilshire, W. H. Wright, F. Adams; representatives to Canadian National Exhibition: T. Manton, W. H. Foord; representatives to Ontario Horticultural Exhibition: E. F. Collins, W. Wilshire, W. Jay, E. Dale; Geo. Mills, treasurer; E. F. Collins, secretary; Colon Nesbitt, assistant secretary. To make the club nights more interesting all members are requested to bring to each regular meeting some horticultural productions of their own growing, plants, cut flowers, fruit, vegetables, or any novelty they may have. A record of all will be kept and points awarded. The member winning the highest number will be awarded a gold medal at the end of the year. The association's certificate of merit will be awarded to any deserving entry.

Grobba and Wandrey are cutting good longiflorum lilies and bulbous stock in quantities; this firm is never at a standstill and will put up another range of houses as soon as the weather permits.

Albert Houle has had such splendid success with Richmond rose that he will discard American Beauty in its favor. Killarney also does exceptionally well with him.

Miss Mabel Riggal, who has been ill for some months past, has again returned to business; she and her sisters have a very fine store and are doing well.

Park Commissioner John Chambers has resigned his position, having been the eldest from point of service in the city's employ.

H. G. D.

ERIE, PA.—It is announced that on January 1 the old firm of the Schluraff Floral Co., having done business for the past 23 years, has passed out of existence, all its assets being taken over by Vern L. Schluraff, junior partner in the old firm, who will continue the business at the new greenhouse recently erected at Floral Park.

"THE TEST is what TELLS THE STORY."

When growers who buy by the 100 the first season order thousands the next—**IT MEANS MERIT.**

BEACON CARNATION

occupies this enviable position; as an all winter blooming scarlet **IT HAS NO EQUAL.**

Strong, vigorous, healthy cuttings, ready now, Per 100, $6.00; per 1000, $50 00.

Winsor.....Per 100, $6.00; per 1000, $50.00
White Perfection.. " " 4.00; " " 35.00
Rose Enchantress..Per 100, $4.00; per 1000, $35 00
Enchantress ..... " " 3.00; " " 25.00

Send Money Orders on Norwood, Mass.

PETER FISHER, Ellis, Mass.

Mention the American Florist when writing

CARNATIONS. Rooted Cuttings. Immediate Delivery.

	Per 100	1000
Winsor	$6 00	$50.00
Aristocrat	6.00	50.00
Victory	3.00	25.00
Enchantress	2.00	20.00
Lawson (pink)	1 75	15.00
Lawson, (white)	2.00	18.00

GERANIUMS, La Favorite, white, R. C., $1.00 per 100.

Stevia, Rooted Cuttings $1.00 per 100.

Asparagus Sprengeri, Strong 2 year old clumps, at $5.00 per 100.

Or wil exchange the above for Montmort, Perkins, Poitevine or Viaud Geraniums.

—SATISFACTION GUARANTEED.—

E. T. WANZER, Wheaton, Ill.

Mention the American Florist when writing

CARNATIONS

For immediate shipment, a limited quantity of fine, healthy

ROOTED CUTTINGS.

	Per 100	Per 1000
Winsor	$5.00	$40.00
Victory	3.00	25.00
Enchantress	$2.00	$18 00
Lawson	1 50	10.00

J. A. BUDLONG, 37-39 Randolph St., **Chicago**

CARNATIONS Rooted Cuttings Ready Now.

	Per 100	1000
Aristocrat, Beacon and Winsor	$6 00	$50.00
Enchantress and J. E. Haines	2.50	20.00
White Perfection	$3 00	$25.00
Lawson	2.00	15.00

Grown cool and well rooted If you have already placed your orders for this season, try just a hundred in order to get acquainted with the stock I send out.

ALBERT M. HERR, Lancaster, Pa.

—ROOTED—

CARNATION CUTTINGS

It will pay you to send for my descriptive catalogue and price list of the best novelties and standard varieties before buying.

A. F. Longren, Des Plaines, Ill.

CARNATIONS

Rooted Cuttings—both Standard varieties and Novelties

PROMPT DELIVERY.

Write for price list.

S. S. SKIDELSKY, 1741 N 18th St., PHILADELPHIA, PA.

NEW ROSE

MY MARYLAND

Best Up-to-Date Commercial Rose.

Read what others have to say about it:

Among the many new roses of the year; there is none which has impressed us more as being worthy of a thorough trial. It has been exhibited only as No. 294; being a seedling raised by John Cook, of Baltimore. A beautiful rose with an exqusite fragrance. In color, it may be described as a soft salmon pink, which brightens up beautifully as the bud opens. We are intending to plant this rose in quantity. A. N. PIERSON, Cromwell, Conn.

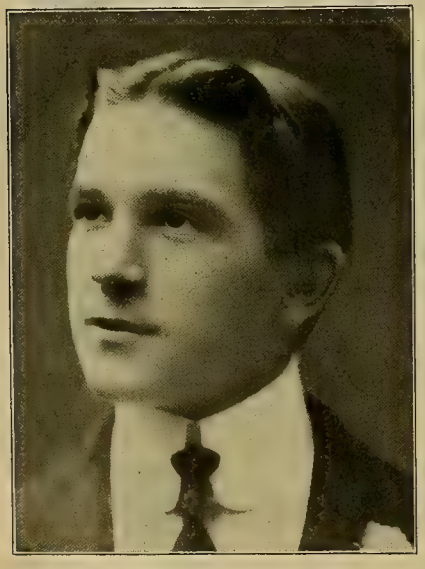
In reply to your inquiry what we think of your new Rose My Maryland. We would say that after seeing others, we still believe that you have the Best New Rose of modern times. GUDE BROS., Washington, D. C.

PRICES: 2 and 2 1-2-inch pots, $25.00 per 100; $200.00 per 1000; 3-inch pots, $5.00 per dozen.

JOHN COOK, 318 N. Charles Street, BALTIMORE, - MD.

E. F. Blachowski.

This enterprising young Philadelphian, an employe of Henry A. Dreer, recently returned from a stay of one year and six months in Europe, working



E. F. Blachowski.

while there as a man behind the hoe and can and at the potting bench. He visited and worked in Germany, Holland, Belgium, and England, being employed at different times by the firms of Sander & Son, of England and Belgium; J. Blauw, of Boskoop, Holland; Wm. Pfitzer, of Stuttgart, Germany, and Hugh Low & Co., of London. He tells some interesting and amusing anecdotes of his stay abroad and while he acknowledges that he did not make a fortune he thinks that on account of the experience and opportunities for observing "how they do it" over there, that his time was well spent.

TAUSENDSCHON.

or in English, **THOUSAND BEAUTIES,** is the sensational new Climbing Rose of the year. Every florist should have it. Is not excelled for forcing purposes and for general planting by any Climbing Rose now known, **not even barring Crimson Rambler.** This is the coming forcing Rose. Get your stock early. It is beautifully illustrated in ten colors and gold in **Our New Guide to Rose Culture,** for 1908 the Leading Rose Catalogue of America. Copy **free** for the asking.

Strong plants of Tausendschon from 3-in. pots, 10 for $2.00; $15.00 per 100; $125.00 per 1000.

Single Hyacinths, all the leading named varieties King of the Blues, Czar Peter, Norma, etc., $3.00 per 100

Single Hyacinths, all colors mixed, $2.00 per 100.

Double Named Hyancinths, Goethe, Lord Raglan, Pure d'Or, Blolksbergeb, etc., $3.00 per 100.

Crocus, Named Varieties, $3.00 per 1000; Mixed Yellow, Mixed Purple and Blue, $2.50 per 1000.

Narcissus, Paper White Grandiflora, $1.00 per 100; $8.00 per 1000.

Dahlias, all the leading varieties $45.00 to $50.00 per 1000. Send for list.

Cannas, all the leading varieties $10.00 per 1000 and upwards. Ask for list.

Rex Begonias, the largest and cleanest stock in the country, $5.00 per 100; $45.00 per 1000.

The Dingee & Conard Co., West Grove, Pa.

ROSES.

Maids, Brides and Golden Gates: strong 2 and 3-eye rooted cuttings, $1.50 per 100; $12 per 1000.

DAVIS BROS., Morrison, Ill.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

PAID UP....

Subscriptions Show That Readers Like the Paper.

NEW ROSE

MRS. JARDINE

Has All the Good Qualities, and

IS A MONEY MAKER

Easy to grow. Large flower; free bloomer; fragrant. It has already been awarded many honors — a silver medal from the Massachusetts Horticultural Society, a silver medal from the Pennsylvania Horticultural Society, and numerous certificates. It has also stood the best test that any novelty could possibly have, in receiving the highest honors of the Awards Committee of the New York Florists' Club, after their exhaustive examination of the growing plants in December; they having unanimously awarded **Mrs. Jardine** the club certificate, with a score of 92 points.

Our young stock is in superb condition, and all orders will be filled in strict rotation on and after March 15th, from 2 1-2 inch pots, $6.00 per dozen; $30.00 per 100; $250.00 per 1000; $1,125.00 per 5,000. Grafted plants on Dickson's Manetti Stocks, $5.00 per 100 additional. Send orders to

ROBERT SCOTT & SON, Sharon Hill, Pa. OR **WILLIAM P. CRAIG,** 1305 Filbert St., Philadelphia, Pa.

Sole Selling Agents in the United States and Canada.

The Everblooming Beauty . . . . . **CARDINAL**

The Wonder of the Chicago Show.

THE BEST SUMMER AND WINTER RED ROSE.

Our stock is true. Direct from the originator, Mr. John Cook, Baltimore, Md. Only 10,000 2½-in. plants offered. Spring delivery. **PRICE: $20.00 per 100; $150.00 per 1000.**

WASHINGTON FLORISTS CO., Washington, D. C.

Mention the American Florist when writing

400 BEST SORTS ROSES

on own roots, summer grown, winter rested, 2½ and 4-in. pots; now ready.

Vinca, maj. var., 2-in., 2¼c; 3-in., 5c; 4-in., 7c.

THE LEEDLE FLORAL COMPANY® SPRINGFIELD-OHIO

Mention the American Florist when writing

NEW NEW

Rambler Rose

"NEWPORT FAIRY"

To be disseminated Spring 1908. Ask for illustrated pamphlet and prices.

JULIUS ROEHRS CO., Rutherford, N. J.

Always mention The American Florist when you order stock. : : : :

Mrs. Potter Palmer 2½-in., $15.00 per 100; $125.00 per 1000; 3½-in., $150.00 per 1000.

	R. C. per 1000	2½-in. per 100	2½-in. per 1000	3½-in. per 1000
American Beauties	$27.50	$6.50	$60.00	$80 00
Maids, Brides	18.50	4 50	40.00	60.00
Uncle John	18.50	4.50	40.00	60.00
Richmond	18.50	4.50	40.00	60 00

Cardinal 2½-in., $15.00 per 100; $125.00 per 1000; 3½-in., $150.00 per 1000.

	R. C. per 1000	2½-in. per 100	2½-in. per 1000	3½ in. per 1000
Chatenay	18.50	4.50	40.00	60 00
Perles		5.00	45 00	65.00
Sunrise		5.00	45.00	
Killarney	35.00	6.00	55 00	75.00
Kaiserin	18.50	4.50	40.00	60.00

CARNATIONS.

	Rooted Cuttings per 100	2½-inch per 1000	per 1000
White Lawson	$2.00	$20.00	$35.00
Pink Lawson	2 00	20.00	35.00
Variegated Lawson	2.20	20 00	35.00
Red Lawson	2 00	18.00	32 00
Victory	3 00	25 00	40.00
Beacon	5.00	45.00	60.00
Welcome	5.00		
Winsor	5.00	45 00	60.00

In Season—	2½-in. Per 100	per 1000	3-in. per 1000
Smilax	$2.50	$22.00	$35.00
Asparagus Sprengeri	3.00	25.00	35.00

	Rooted Cuttings per 100	2½-inch per 1000	per 1000
Rose Pink Enchantress	3.00	25.00	40.00
Enchantress	3.00	25 00	40.00
White Enchantress	5 00	45.00	60 00
Aristocrat	5.00	45 00	60 00
White Perfection	4.00	35.00	50.00

We have an exceptionally large stock of the Lawsons, Victory, Winsor and Beacon.

Asparagus Plumosus, 6-in. stock for benching, $15.00 per 100; $125.00 per 1000.

Chrysanthemums in season.

Price list mailed on application.

POEHLMANN BROS. CO., Morton Grove, Ill.

Mention the American Florist when writing

ADIANTUM FARLEYENSE.

DREER'S MIXED FERNS
FOR DISHES

There always has been a scarcity of **First Class Ferns** during February and March, and in anticipation of this we have this season prepared an extra quantity of both 2¼ and 3 inch pot plants which are now in prime condition, better than we have ever been able to supply at this season of the year. We offer

	Per 100	Per 1000
2¼-in. pots, in choice mixture	$3 50	$30 00
3 " " " "	6.00	50.00

We also have an exceptional fine lot of

Adiantum Farleyense.

6-inch pots, fine specimens ..... $1.00 each
8 " " " " ..... 2.00 each

Nephrolepis Amerpohli

6-inch pans, elegant stock ..... $1.00 each

For a complete list of seasonable stock see our **Quarterly Wholesale List** just issued.

HENRY A. DREER
714 Chestnut St, PHILADELPHIA, PA

Indianapolis.

Business is very good and the demand for cut flowers is strong. Greens, especially smilax, have a better call than for the preceding two weeks. Flowering plants, such as primulas, cyclamens and azaleas sell well.

NOTES.

The annual meeting of the State Florists' Association of Indiana was held at the Commercial club rooms January 15. The attendance was unusually large, and the invitation to be tendered to the American Carnation Society was the main topic. The carnation men may rest assured of a royal welcome, should they accept the invitation of our delegates. Officers for 1908 were elected as follows: J. S. Stuart, president; H. Junge, first vice-president; Chas. Knopf, second vice-president; A. F. J. Baur, secretary; Homer Wiegand, treasurer. A vote of thanks was tendered to John Heidenreich, the outgoing treasurer, for his many years of faithful service.

John Bertemann made a flying trip to Richmond last week, and Carl Sonnenschmidt and H. Junge visited New Castle. William Dittman's American Beauty roses are in excellent shape; Mr. Dittman considers this the best paying rose. Heller Bros. were head over heels in preparations for the spring rush in their mail order department; their new catalogue is a very attractive piece of literature for the rose-loving public.

Bentley & Co., who grow roses exclusively, are especially strong on Killarney; their establishment still leads regarding system and neat and highly practical arrangement. They also have a bottle opener that is marvelously simple and effective.

We shall send a large delegation from Indiana to Washington, including John Bertermann and A. Baur of this city.

Weiland and Olinger's roses and carnations are uniformly fine this year, every foot of bench yielding good crops.

Meyer Heller while able to be about is still under the care of a physician.

Visitors: E. G. Hill, C. Knopf and John Evans, Richmond; Stuart & Haugh, Anderson; W. W. Coles and W. A. Bitler, Kokomo; Geo. Moore, Rushville; A. Barick, Seymour; C. S. Barnaby, Columbus; Fred and Theo. Dorner, Lafayette.

J.

MILWAUKEE, WIS.—The Whitnall Floral Co. has given notice of dissolution.

Neph. Whitmani

2¼-inch ..... $ 5.00 per 100
3½-inch ..... 25.00 per 100

Boston Ferns 2¼-inch, $3.00 per 100.

Henry H. Barrows & Son, WHITMAN, MASS.

H. J. Smith
HARDY CUT FERN DEALER, ETC.,
HINSDALE, MASS.

LARGEST STOCK OF ALL
Belgian Plants.
AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.
Louis Van Houtte Pere,
GHENT, BELGIUM.

Anton Schultheis
WHOLESALE PLANT GROWER,
College Point New York.
Price list of Foliage, Flowering and Decorative Plants sent free on application.

Nephrolepis Amerpohlii
For immediate delivery. Good strong plants from 2½-in. pots, $15.00 per 100.
JANESVILLE FLORAL CO.,
JANESVILLE, WIS.

ARAUCARIAS.
Nice plants from 5-in. pots, 4 to 5 tiers
60c each. $5.50 per dozen.
The Conard & Jones Co. WEST GROVE, PA.

A FEW GOOD THINGS YOU WANT.

Asparagus Sprengeri 2-in., $2.50 per 100; 3-in., $5.00 per 100. Seedlings, $1.00 per 100.
Geraniums, S. A. Nutt, John Doyle, Perkins, Ricard Double Gen. Grant, 2-in. pots, $2.50 per 100; Rooted Cuttings, $1.25 per 100. E. H. Trego, Castellane Poitevine, Viaud, 2-in pots, $3.00 per 100; rooted cuttings, $1 50 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100; 3-in., $5.00 per 100.
Boston Ferns, 5-in., 30c each.
Vinca Var., 2-inch, $2.00 per 100.
Dracena Indivisa, 2-in. $3.00 per 100.
Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the Express Companies properly packed in good order.
GEO. M. EMMANS, NEWTON, N. J.

Sprengeri, 2-in. 2c **Swainsonia alba,** 2-in. 2c. **Ferns,** Piersoni Elegantissima 2-in. 3c.
Rooted **Cuttings** prepaid per 100: **Flowering Begonias,** $1.25 per 100; **Paris Daisies,** yellow and white, $1.00 per 100; Alexandra $1.25. **Petunia,** double, 10 kinds $1.00; **Swainsona Alba,** $1.00. **Cuphea,** 75c **Heliotrope,** 3 kinds $1 00, **Fuchsia,** 5 kinds, $1.25. **Vinca Variegata,** 90c. **Hardy Pinks,** 5 kinds 75c. **Alternanthera,** 3 kinds, 50c **Coleus,** 10 kinds, **Ageratum,** Gurney, Pauline White, Inimitable, 60c. **Alyssum,** dbl 75c **Salvia,** Bonfire Splendens, 90c **Feverfew,** Gem, $1.00. **Parlor Ivy,** 75c.
Cabbage Plants, Wakefield, Express, Winningstadt, $1.00 per 100.
Cash or C. O. D.
BYER BROS., Chambersburg, Pa.

2,000 Asp. Sprengeri,
4-in. pots, extra strong $10.00 per 100.
Cash with order.
EDWARD TATRO,
401 East Iron Ave., SALINA, KAS.

SPECIAL SPECIAL
On account of shortage of room we are offering the following stock as follows **Boston Ferns,** extra fine, from 8 in $1 00 each; 7-in. 50c; 6 in. 30c; 5 in 25c **Barrowsii,** 5-in 20c each, **Whitmanii,** 3½iin $2.00 per doz. **Cyclamens** from 5 in. 25c, each 4 in. $1 50 per doz. or $10,00 per 100.
Please remit by Postal or Express M. O. or draft.
NELSON & KLOPFER,
1101 Fifth Ave PEORIA, ILL.

Always mention the American Florist when you order stock.

Easter Azaleas and Spring Forcing Plants

OUR stock this season is handsomer than ever. Anybody in want of a quantity will do well to inspect our plants before placing their order. We have only popular American varieties: **Schryveriana, Simon Mardner, Vervaeneana, Mme. Van der Cruyssen, Deutsche Perle,** and others

	Per doz.	Per 100
8-10 in. diam.	$3 50	$25.00
10 12 in. diam.	4.50	35.00
12-14 in. diam.	6.00	45 00
14-15 in. diam.	7 50	60.00
15-16 in. diam.	$ 9.00	$ 75.00
16-18 in. diam.	12.00	90.00
18 20 in. diam.	25.00	200.00
20-24 in. diam.	36.00	300.00

Order early to save heavy express charges: impossible to ship by freight in cold weather.

Forcing Roots and Pot Grown Shrubs.

	Per Doz.	100	1000
Azalea Mollis	$4.00	$9.00	$12.00
" " standard form			12.00
" " Chinensis			12 00
" " " Anthony Koster			12.00
" Rustica			12,00

Very handsome budded plants.

Rhododendrons, handsome budded plants in fine forcing varieties $9,00, $12.00, $15.00 $18.00, $24.00, $30,00

Crataegus, Paul's Scarlet (double scarlet Hawthorn), pot grown.....$12.00 18,00

Dictytra spectabilis, large clumps..... $ 6.00

Deutzia gracilis, pot grown..... 12.00

Deutzia Lemoinei, pot grown..... 15.00

Gladiolus, The Bride..... 7.50

" rubra..... .50

Kalmia latifolia, fine budded plants.....$9.00 12.00

	Per doz.	100	1000
Lilacs, pot grown	$ 9.00		
Lily of the Valley, Berlin Pips			$14,00
Lily of the Valley, Hamburg Pips			12.00
Viburnum Opulus, (Snow Ball), bush form pot grown	$ 6.50		

Roses Grown in our Nursery for Easter Forcing.

	Per doz.	100
Baby Ramblers, tree form, pot grown	each 50c	$5 00
Bushy form, fine field grown plants	2 00	$15 00
Clothilde Soupert, fine for pots; 2 years old	1 50	12 00
Dorothy Perkins, strong field grown plants; 2-yrs, 7-8 ft.	3 00	20 00
Hermosa, field grown: 2 years old	1 50	12 00
Lady Gay, strong field grown plants, with well ripened wood; 2 years old	3 50	25 00

H. P. ROSES.

H. P. Roses, imported.....Per 1000, $100.00; per 100, $12.00

Capt. Christy, Duchess of Edinburgh, Gen. Jacqueminot
Mme. Gabriel Luizet, Mrs. John Laing, Perle des Blanches,
Ulrich Brunner, Caroline Testout, Frau Carl Druschki,
La France, Magna Charta, Paul Neyron, Rothschild

Red Kaiserin, strong 2-year old field-grown plants.....25.00 per 100

KENTIAS.

The handsomest lot in the country; all sizes, from 15 inches to 15 feet. Inspect our stock before buying.

BOXWOOD, Bush.

Handsome, bushy specimens.

10-12 in.....15c each 15-18 in.....35c each
12-15 in.....25c each 18-22 in.....75c each

BOXWOOD, Pyramidal.

These plants are conceded to be the finest ever imported to this country. (Exceptional value.)

2 ft	$ .75 each	4 ft	$3.00 each
2½ ft.	1.00 each	4½ ft	4.00 each
3 ft.	1.50 each	5 ft	5.00 each
3½ ft.	2.00 each	6 ft	6.00 each

BOXWOOD, Standard.

All sizes.....from $1.00 to $5.00 each

BAY TREES.

We have a large number in all sizes. Ask for prices.

Visitors invited. Ask for catalogue. **BOBBINK & ATKINS,** Nurserymen and Florists, **Rutherford, N. J.**

Milwaukee.

STOCK IMPROVED.

Roses have shortened up very much during the past few days and it is now difficult to fill late orders. Carnations are just about equal to the demand. Stock of all kinds is very good and shows the effect of the nice bright weather that we have been having this month. There are now plenty of sweet peas for all demands.

NOTES.

According to present indications there will be quite a lot of building or rebuilding this coming season. Gustave Pohl will erect one house 25 by 100 feet. Chas. Burmeister will rebuild several of his houses and will, on completing this job, have his entire place of modern construction. C. C. Pollworth Co. will also erect several houses of the usual size. The firm reports being somewhat off crop on roses at present with prospects for a crop early in February.

Holton & Hunkel Co. is handling a lot of wild smilax this season that is of extra quality. The firm is also receiving heavy shipments of roses and violets.

Nic. Zweifel will attend the carnation meeting in Washington and it seems now as if he will be the only one from this city.

John Howard has a fine crop of long stemmed sweet peas. H.

COLUMBIA CITY, IND.—A. H. Diffendorfer has sold his half share in Wagoner's Columbia City Greenhouses to Mrs. A. J. Wagoner. A. J. and Mrs. Wagoner were the former owners of this concern, but last year Mr. Diffendorfer purchased a half interest in it. Mrs. Wagoner now returns to active participation in the business.

CANNAS.

	Per 100	1000
King Humbert	$15 00	$
David Harum	2 50	22 50
Elizabeth Hoss	4 00	35 00
Queen Charlotte	2 00	17 50
Buttercup	5 00	
Alsace	3 00	
Allemania	1 75	15 00
Pennsylvania	2 00	17 50
Kate Gray	2 50	22 50
Egandale	3 00	27 50
Discolor	1 50	12 50
Florence Vaughan	2 00	17 50
L Patry	1 75	15 00
Coronet	4 50	40 00
Mont Blanc	10 00	
Burbank	1 75	15 00
Mlle. Berat	2 00	17 50
Fine mixed	1 25	10 00

DAHLIAS

A D Livoni	Per 100, $5 00
Earl of Pembroke	Per 100, 5 00
Maid of Kent	Per 100, 5 00

Horse Radish Sets, from $3.00 to $5.00 per 1000.

For bargains in Ferns see our display advertisement for next week.

10 acres of **Perennials,** a very choice assortment, ask for decriptive list.

THE MOSBÆK GREENHOUSE CO., ONARGA, ILL.

Mention the American Florist when writing

NEW! NEW!

A Money Maker.

Carter's Dbl. Blue Lobelia

$2.00 per doz. $16.00 per 100.
Cash with order.

J. FULLER, 31 Orchard St. Leominster, Mass.

Mention the American Florist when writing

HYDRANGEA.

American Everblooming H. Aborescens Sterilis.

Strong 1 and 2 year nursery grown plants for immediate delivery. Spotted Calla No. 1 and 2. California Privet for hedging.

The E. Y. Teas Co., Centerville, Ind.

Mention the American Florist when writing

To Be Done Now.

IN THE GREENHOUSES.

Allow American Beauty at least a week longer than the tea roses in the sand.

Damp the raffia before tying on the scions when grafting roses and tie only moderately tight.

Keep the stock plants of chrysanthemums perfectly cool and allow a free circulation of air at all times.

Stir the soil regularly on the stock benches of Boston ferns to allow of the runners breaking through easily. Take care these are not injured in the operation.

If the benches are not ready for the asparagus and the plants are give a small shift. If they get very hard in the pots they will not start freely.

Sow Cobœa scandens, Maurandia Barclayana and other vines for veranda planting.

Never use bad cuttings. It is cheaper to throw them away at first than to be bothered with them all the season.

Sow Grevillea robusta. It pays to take time to sow the seeds point downward in a soil containing some sandy peat.

Commence working a stock of dahlias by placing the roots in moderate heat and keeping them moist to produce shoots for cuttings.

IN THE STORE.

Good fresh boxwood is a very attractive green for use with red flowers.

Cycas leaves and callas with a few mauve cattleyas were used with excellent effect in a large funeral wreath recently noted.

Keep everything about the windows neat and clean and have no dirty pots showing.

Where there is a greenhouse in connection with the store change the Boston ferns regularly and often.

Valentine's day should prove a money maker. Have suitable boxes and cards ready. There is scope for much originality here.

Araucarias are among the most satisfactory plants to push the sale of as they give satisfaction to customers.

OUTDOORS.

Cement concrete, among many other uses, is advised for filling rot holes in large trees. All decayed wood should be thoroughly cleaned out before running in the cement.

Ridge up badly drained soil and cut cross furrows where necessary to allow the water to escape.

Cut down hedges that are not wanted and pile the brush on the roots to be burned later and kill them.

Give plenty of air to cabbage or cauliflower plants in frames on all possible occasions.

Push on with cleaning the bark of old lichen-infested trees whenever the weather admits and when through give a good coat of whitewash.

A good hotbed made now is of assistance in raising vegetable seeds for planting later.

Leave pruning alone during severe frost.

While the ground is frozen get all the manure led onto the ground, as this plan is more satisfactory and less laborious than at any other time.

30,000 Dahlias

Extra good field-grown clumps, grown in the famous Wisconsin strawberry belt. Satisfaction guaranteed. Good clumps, 2c and up. List ready.

H. W. KOERNER, Station B,
MILWAUKEE, WIS.

Gladioli....

Write for 1908 trade list of Named Varieties, Color Sections and Choice Mixtures. First-class stock at reasonable prices:

E. E. STEWART, RIVER JUNCTION, MICH.

Dracena Indivisa, 4-in....$ 2.00 per doz.
" " 5-in.... 3.00 "
" " 6-in.... 6.00 "
" " 7-in.... 9 00 "
" " 8-in.... 12.00 "

DAHLIAS

are becoming more and more popular every season for cut flowers, and every florist should plant liberally of these plants in the spring. By ordering now plants can be propagated in greenhouse.

Single Dahlias.

	Clumps Per 100	doz.
J. Cowan, fine scarlet	$ 6 00	$ 1 00
Fashion, crimson maroon	6 00	1 00
Jno. Downie, crimson	6 00	1 00
Sunningdale, blush white	6 00	1 00
Lustre, cheerful rosy pink, shading to blush at centre	6 00	1 00

Cactus Dahlias.

	Clumps Per 100	doz.
Mrs. A. Beck, twisted petals, rich salmon red with scarlet reflex	$ 6 00	$ 1 00
Prof Baldwin, cardinal red	6 00	1 00
Countess of Lonsdale, a peculiar but pleasing blending of salmon, pink and amber a color difficult to describe	10 00	1 50
Kriemhelde, pink, shading to white at center	10 00	1 50
F. Bartels, bright scarlet	10 00	1 50
Miss A. Nightingale, bright red shading to golden yellow at center	10 00	1 50

Show Dahlias.

	Clumps Per 100	doz.
A. D. Livoni, a pure quilled pink	$10 00	$ 1 50
Camilla Alba, pure white dwarf and bushy	10 00	1 50
One lot of good varieties of all kinds mixed	3 00	50
One lot mixed yellow	00	50

Decorative Dahlias.

	Clumps Per 100	doz.
Oban, rosy lavender	$10 00	$ 1 50
Iridescent vivid red tipped with blue	10 00	1 50
Sylvia, pink white to center	10 00	1 50
Lancelot, bright scarlet	6 00	1 00
Mrs. Geo. Reed, purple with white tint	6 00	1 00

The Geo. Wittbold Co., 1657 **Buckingham Place, Chicago.**

Mention the American Florist when writing

DAHLIAS

The Cream of Novelties and Older Varieties True to Name.

PRICES ALWAYS REASONABLE.

Send for catalogue of **Dahlias, Hardy Plants, Gladioli, etc.**

"The Dahlia Manual," a new up-to-date work on Dahlias and Dahlia Culture; amply illustrated. This work is reliable and contains nothing in the way of advertising. If your dealer don't have it, send direct. **Price, 35 cents.**

W. W. WILMORE,

Dahlia Specialist, Box 382, DENVER, COLO.

Dwarf Plants

LIVE JAPANESE VARIETIES.

Who will take agency for United States on a cash basis?

E. TAURAT,
Dresden 16, Germany.

Boston Ferns.

Nephrolepis Exaltata Bostoniensis.

	Each.	Per doz.	Per 100.
2½ in. pot plants		$ 0.60	$ 5.00
3-in. pot plants		1.50	10.00
4-in. pot plants		2.50	20.00
5-in. pot plants	$ .40	4.00	30.00
6-in. pans plants	.75	6.00	50.00
7-in. pans plants	1.00	9.00	75.00
8-in. pans plants	1.50	15.00	....
9-in. pans plants	$2.00 to $2.50	....	....
10-in. pans plants	3.00 to 3.50	....	....
12-in. pans plants	4.00 to 5.00	....	....

NEPHROLEPIS WHITMANI.

The Improved Elegantissima.

We have an immense stock of this beautiful fern in all sizes.

	Doz.	100.
2-in. pots	$ .60	$ 4.00
2½ in. pots	.75	5.00
3-in. pots	1.50	10.00
4-in. pots	2.50	20.00
5-in. pots	4.00	40.00
6-in. pots	6.00	50.00
7-in. pots	9.00	
8-in. pots, each	$1.50 to $2.00	

NEPHROLEPIS AMERPOHLII.

	Per doz.	Per 100.
2-in. pots	$ 2.50	$20.00
2½ in. pots	3.50	25.00
3-inch pots	4.00	30.00
4-inch pots	5.00	40.00

ASPARAGUS PLUMOSUS NANUS.

We Are Headquarters.	Per 100.	1,000.
2-in. pots, strong, ready for a shift	$ 3.00	$ 25.00
3-in. pots, strong, ready for a shift	7.00	65.00
4-in. pots, strong, ready for a shift	12.00	100.00
5-in. pots, strong, ready for a shift	20.00	175.00

	Per doz.
Areca Lutescens, 4-in., 3 plants in pot	$ 3.00
Kentias and Phoenix, in all sizes, send for list.	

	Per 100.
Dracaena Indivisa, 4-in. pots	$12.00
Dracaena Indivisa, 5-in. pots	20.00
Dracaena Indivisa, 6-in. pots	40.00
Latania Borbonica, strong seedlings from flats	2.00
Latania Borbonica, 3-in. pots	6.00

Dormant Roses

FOR EASTER FORCING.

2-year old Budded Roses, per doz., $2.00; per 100, $15.00.

American Beauty Kaiserin — Paul Neyron
La France — Soleil d'Or — Gruss an Teplitz
Frau K. Druschki and Hermosa.

The following kinds, 2-year old Budded, per doz., $1.50; per 100, $11.00:

Anna de Diesbach — Fisher Holmes — Magna Charta
Ball of Snow — Gen. Jack — M. P. Wilder
Capt. Christy — Mad. C. Testout — Mrs. J. Laing.
Ulrich Brunner and many other kinds.

	Per 100.
Crimson Rambler, 2-yr., home grown for Easter forcing	$15.00
Crimson Rambler, 2-yr., strong imported stock	12.00
Dorothy Perkins, 2-yr., home grown for Easter forcing	12.00
Lady Gay, 2-yr., budded stock	20.00
Philadelphia Rambler, 2-yr., home grown	12.00
Baby Ramblers, 2-yr., extra strong budded	20.00
Baby Ramblers, 2-yr., No. 1, budded	16.00
Baby Ramblers, 1-yr., selected No. 2, grafted	10.00
White Baby Rambler, 2 1-2 in.	10.00
Red Kaiserin, 2-yr. dormant	25.00

CARNATIONS—ROOTED CUTTINGS.	Per 100.	Per 1,000.
Afterglow, 2-in. pots	$12.00	$100.00
Andrew Carnegie, 2-in. pots	12.00	100.00
Defiance, 2-in. pots	12.00	100.00
Sarah Hill, 2-in. pots	12.00	100.00
Winona, from sand	12.00	100.00
White Enchantress, ready Feb. 15th	6.00	55.00
White Perfection, ready Feb. 15th	3.50	30.00
Lady Bountiful, from soil	3.00	25.00
Beacon, ready Feb. 15th	6.00	50.00
Red Chief, ready Feb. 15th	5.00	40.00
Red Riding Hood, from soil	5.00	40.00
Victory, ready Feb. 15th	3.00	25.00
Robt. Craig, ready Feb. 15th	3.00	25.00
Aristocrat, ready Feb. 15th	6.00	50.00
Pink Patten, ready now	2.50	20.00
Mrs. T. W. Lawson, ready now, soil	2.00	15.00
Winsor, 2-in. pots	6.00	50.00
Rose Pink Enchantress, from soil	4.00	30.00
Melody, ready Feb. 15th	3.00	25.00
Enchantress, from soil or sand	3.00	25.00
Mrs. Patten, from soil	2.50	20.00

VAUGHAN'S SEED STORE, 84-86 Randolph Street, CHICAGO. 14 Barclay Street, NEW YORK.

Greenhouses and Nurseries: Western Springs, Ill.

Madison, N. J.

The twelfth annual smoker will live long in the memory of those present, consisting of 150 members and their guests. The entertainment committee secured high-class talent, and there was not a minute lost. Cigars, sandwiches, coffee and punch a la Totty were served abundantly and timely. The card tricks, comic songs and speeches kept us busy all the time. There was a short business meeting. Two new members were elected and two more names proposed. The Tarrytown Florists' Club, Monmouth Co. Horticultural Society, Wm. J. Stewart, F. R. Pierson and many from a distance sent letters of regret.

Among our visitors was a delegation from Orange, representing the New Jersey Floricultural Society, including Secretary Miller and Vice President Halbig, Secretary Miller spoke for the society and invited us in a body to their smoker, February 7. Invitation was thankfully accepted and we intend to go there in force. Harry Turner, of Castle Gould, was here, also A. and Billy Rickards, and they helped to make us merry. Wm. Sperling, of Stumpp & Walter Co., and W. E. Marshall, who spoke for the New York Florists' Club and sang several songs, were our guests. After singing "Auld Lang Syne" in concert, the affair broke up at 1 A. M. with a rousing three cheers for the Madison Florists. E. R.

MELROSE, MASS.—C. Casey had the decorations at the home of Geo. W. Perry on the occasion of the golden wedding celebration of Mr. and Mrs. Perry.

PHILADELPHIA, PA.—At a meeting January 21 it was decided to hold the spring flower show of the Horticultural Society on March 31, April 1 and 2. The show, which will be held in Horticultural Hall, will comprise an exhibition of all varieties of hyacinths, tulips and other bulbous plants.

Cinerarias

3, 4, 5 and 6-inch pots, 80c, $1.75, $3.00 and $4.75 per doz:

Write for prices on **BEDDING PLANTS.**

Please send cash with order.

CHAS. SHERWOOD,
WATERLOO, IA.

J. L. DILLON

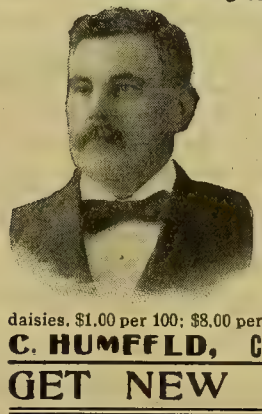
The Verbena King,
Bloomsburg, Pa.

OUR SPECIALTIES:

Verbenas, Roses, and Carnations.

Send for Circulars.

Express Prepaid on all Rooted Cuttings and satisfaction guaranteed.



Salvias Bonfire, St. Louis...$1.00 per 100. $8.00 per 1000
Lantanas, 8 of the finest varieties $1.25 per 100; $10. per 1000.
Coleus a grand collection (named) 70c per 100; $6.00 per 1000
Heliotrope, 10 best varieties... $1.00 per 100. $8.00 per 1000.
Daisies, California (White) Yellow Castle (Yellow), the finest of all daisies. $1.00 per 100; $8.00 per 1000.

C. HUMFELD, Clay Center, Kas.

SPECIAL We offer this week:

	Per 100
400 Arg. Guttata **Begonias,** 2½-in.	$3.00
400 Dew Drop and Erfordia, 2 to 2½-in.	3.00
100 Rubra, 2½-in.	3-50
1000 assorted, 6 to 10 varieties, 2 to 2½-in.	2.50
2½-in. **Petunias** fine double fringed 3 vars.	2.50

Write us at once in regard to **Hydrangeas, Lilies, Azaleas,** etc. Ask for our spring list.

Special Values in Bostoniensis Ferns.

5000 2½-in., worth $5 00. for	$ 3.50 per 100
1000 4-in., worth $15 00. for	12.50 per 100
1000 5-in., worth 25 00. for	22.50 per 100
1000 6-in., worth 50 00. for	37.50 per 100

This special is for cash, and satisfaction guaranteed or money refunded. Ask for our complete list of **Ferns** and **Soft Wooded Plants.** Price good until Feb. 5, unless sold out before.

GEO. A. KUHL, Wholesale Grower. **Pekin Ill.**

Mention the American Florist when writing

GET NEW CUSTOMERS

By placing your specialties before the purchasing florists of the entire country by advertising in

Send Copy Now. **THE AMERICAN FLORIST.**

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Carnations, Winsor, Helen Gould, Beacon, $6 per 100; $50 per 1,000. White Enchantress, $7 per 100; $60 per 1,000. Melody, Victory, $4 per 100. Enchantress, Lady Bountiful, Red Lawson, V. Lawson, W. Lawson, Daheim, $3 per 100; $25 per 1,000. Mrs. Lawson, B. Market, $2 per 100; $15 per 1,000. Wood Bros., Fishkill, N. Y.

Carnations. Andrew Carnegie, $12 per 100; $100 per 1,000. Aristocrat, Welcome, Winsor, Beacon, Red Chief, White Enchantress, $6 per 100; $50 per 1,000. Rose Pink Enchantress, White Perfection, Daybreak Lawson, Victory, $3 per 100; $25 per 1,000. Enchantress, $2.50 per 100; $20 per 1,000. Chicago Carnation Co., Joliet, Ill.

Carnations, Aristocrat, Beacon, Winsor, $6 per 100; $50 per 1,000. Enchantress, J. E. Haines, $2.50 per 100; $20 per 1,000. White Perfection, $3 per 100; $25 per 1,000. Lawson, $2 per 100; $15 per 1,000. A. M. Herr, Lancaster, Pa.

Carnations. Winsor, Aristocrat, $6 per 100; $50 per 1,000. Victory, $3 per 100; $25 per 1,000. Enchantress, $2 per 100; $20 per 1,000. Lawson. $1.75 per 100; $15 per 1,000. White Lawson, $2 per 100; $18 per 1,000. E. T. Wanzer, Wheaton, Ill.

Carnations, Winsor, Beacon, Aristocrat, White Enchantress, $6 per 100; $50 per 1,000. White Perfection. Victory, $3 per 100. Lawson, Var. Lawson, B. Market. Craig, Candace, $1.25 per 100; $10 per 1,000. W. W. Coles, Kokomo, Ind.

Carnations. Beacon, Winsor, $6 per 100; $50 per 1,000. White Perfection, Rose Enchantress, $4 per 100; $35 per 1,000. Enchantress, $3 per 100; $25 per 1,000. Peter Fisher, Ellis, Mass.

Carnations. Pure White Enchantress, Beacon, Winsor, Aristocrat, strong, healthy, well rooted cuttings, $6 per 100; $50 per 1,000. Satisfaction guaranteed. A. J. Stahelin, Redford, Mich.

Carnations, Aristocrat, Winsor, $5 per 100; W. Perfection. $2.75; Enchantress, Lady Bountiful, $2; Victory, $2.75; Rose Pink Enchantress, $2.75. Perennial Gardens Co., Toledo, O.

Carnations, Winsor, White Enchantress, $6 per 100; $50 per 1,000. Rose Pink Enchantress. White Perfection, Victory, $3 per 100; $25 per 1,000. J. L. Schiller, 929 Prouty Ave., Toledo, O.

Carnations, Winsor, Beacon, Rose Pink Enchantress, White Perfection, The Belle, White Lawson, Pink Lawson, Enchantress, Nelson Fisher. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, rooted cuttings of all the new and leading commercial varieties. Send for price list. Wm. Swayne, Box 226, Kennett Square, Pa.

Carnation Lloyd, R. C., $2 per doz., $12 per 100; $100 per 1,000; unrooted, $6 per 100; $50 per 1,000. H. A. Jahn, New Bedford, Mass.

Carnations, Winsor, White Enchantress, Aristocrat, Beacon, $6 per 100; $50 per 1,000. Jensen & Dekema, 674 W. Foster Ave., Chicago.

Carnation, Defiance, $12 per 100; $100 per 1,000. Jensen & Dekema, 674 W. Foster Ave., Chicago, or W. N. Rudd, Morgan Park, Ill.

Carnations, Queen, $10 per 1,000; 3,000, $25. Enchantress, $18 per 1,000; from soil, $20. Philip Schupp, 37 Randolph St., Chicago.

Carnations, Harvard, $12 per 100; $100 per 1,000. Faust, $6 per 100; $50 per 1,000. James D. Cockcroft, Northport, L. I., N. Y.

Carnation May, $12 per 100; $100 per 1,000. Baur & Smith, 38th St. and Senate Ave., Indianapolis, Ind.

Carnations. John E. Haines, Imperial and Pink Imperial. Enchantress, $6 per 100; $50 per 1,000. John E. Haines, Bethlehem, Pa.

Carnation Afterglow, $2 per doz.; $12 per 100; $100 per 1,000. R. Witterstaetter, Sta. F., Cincinnati, O.

Carnations, White Enchantress, $6 per 100; $50 per 1,000. E. Schrader, New Springville, N.Y.

Carnations. Best standard varieties. S. S. Skidelsky, 824 No. 24th St., Philadelphia.

Carnation President Seelye, $10 per 100; $75 per 1,000. H. W. Field, Northampton, Mass.

Carnations. 50,000 Winsor. Will Bros., Box 29, Minneapolis, Minn.

Carnations Toreador. H. Weber & Sons Co., Oakland, Md.

Carnations. Guttman & Weber, 42 W. 28th St., New York.

Carnations. A. F. Longren, Des Plaines, Ill.

Carnations. J. L. Dillon, Bloomsburg, Pa.

Carnations. E. G. Hill Co., Richmond, Ind.

CHRYSANTHEMUMS.

4,000 stock 'Mums: Dr. Enguehard and Maj. Bonnaffon, $1.75 per 100; $14 per 1,000 or will exchange for R. C. Enchantress or White Perfection. Ernsberger Bros., Celina, O.

Chrysanthemums, leading vars. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, hardy, 2-in., $2 per 100. R. Vincent, Jr. & Sons, White Marsh, Md.

Chrysanthemums. E. G. Hill Co., Richmond, Ind.

CINERARIAS.

Cinerarias, right for 3, 4, 5 and 6-in., 80c, $1.75, $3 and $4.75 per doz. Chas. Sherwood, Waterloo, Ia.

Cinerarias, strong, 2¼-in., Columbian mix., $2 per 100. Stover Floral Co., Grandville, Mich.

CUPHEAS.

Cupheas, 2-in., $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Cupheas, 2 kinds. R. C., 75c. Byer Bros., Chambersburg, Pa.

COLEUS.

Coleus, 10 vars., 2-in., $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Coleus. R. C. prepaid, 70c per 100; $6 per 1,000. C. Humeld, Clay Center, Kans.

Coleus, 10 varieties, 2¼-in., $2 per 100. Jos. H. Cunningham, Delaware, O.

Coleus, 10 kinds. Byer Bros., Chambersburg.

DAHLIAS.

Dahlias, single, J. Cowan, Fashion, Jno. Downie, Sunningdale, Lustre, $1 per doz.; $6 per 100. Cactus, Mrs. A. Beck, Prof. Baldwin, $1 per doz.; $6 per 100. Countess of Lonsdale, Kriemhelde, F. Bartels, Miss Nightingale, $1.50 per doz.; $10 per 100. Decorative dahlias; Oban, Iridescent, Sylvia, $1.50 per doz.; $10 per 100; Lancelot, Mrs. Geo. Reed, $1 per doz.; $6 per 100. Show dahlias: A. D. Livoni, Camilla alba, $1.50 per doz.; $10 per 100; one lot good vars. mixed, 50c per doz.; $3 per 100; mixed yellow, 50c per doz.; $3 per 100. Geo. Wittbold Co., 1657 Buckingham place, Chicago.

Dahlia, 100 sorts, $5 per 100; $40 per 1,000 and up. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Dahlias, all leading vars., $45 to $50 per 1,000. Dingee & Conard Co., West Grove, Pa.

Dahlias, field-grown clumps, 2c and up. H. W. Koerner, Station B, Milwaukee, Wis.

Dahlias, leading varieties. David Herbert & Sons, Atco, N. J.

Dahlias, leading vars. W. W. Wilmore, Box 382, Denver, Col.

DAISIES.

Daisies, California, Yellow Castle, R. C., prepaid, $1 per 100; $8 per 1,000. C. Humfeld, Clay Center, Kans.

DEUTZIAS.

Deutzia gracilis, $1.50 per doz. Lemoine, $2.50 per doz. Vaughan's Seed Store, Chicago and New York.

Deutzia gracilis, $12 per 100; Lemoinei, $15 per 100. Bobbink & Atkins, Rutherford, N. J.

Deutzias. Jackson & Perkins, Newark, N. Y.

DRACENAS.

Dracæna indivisa, 4-in., $2 per doz.; 5-in., $3; 6-in., $6; 7-in., $9; 8-in., $12. Geo. Wittbold Co., 1657 Buckingham place, Chicago.

Dracæna indivisa, 4-in., $12 per 100; 5-in., $20 per 100; 6-in., $40 per 100. Vaughan's Seed Store, Chicago and New York.

FERNS.

Ferns, my specialty. Ferns for dishes, fine healthy stock from 2¼-in. pots, in 15 best varieties, $3 per 100; $25 per 1,000; 500 at 1,000 rate. Kentia Belmoreana, 2¼-in., $1,30 per doz.; $10 per 100. Assorted, 3-in., $6, 4-in., $12 per 100. Ad. Cuneatum, 2¼-in., $3.50 per 100; $30 per 1,000; 3-in., $6; 4-in., $12 per 100. A. Gracillimum, 2¼-in., $3.50 per 100. Cibotium Schiedei, 4-in., none better, $25 per 100. Fresh fern spores in all the best market varieties, 30c per trade package; $3 per doz. J. F. Anderson, Short Hills, N. J.

Ferns, Boston, 2½-in., 4c; 3-in., 8c; 4-in., 15c; 5-in., 25c; 6-in., 40c; 7-in., 65c; 8-in., $1 to $1.50; 10-in., $1.50 to $2. J. W. Dunford, Clayton, Mo.

Ferns. Boston, 2½-in., 60c per doz.; $5 per 100; 3-in., $1.50 per doz., $10 per 100; 4-in., $2.50 per doz., $20 per 100; 5-in., 40c each; $4 per doz., $30 per 100; 6-in. pans, 75c each, $6 per doz., $50 per 100; 7-in., $1 each, $9 per doz., $75 per 100; 8-in., $1.50 each, $15 per doz.; 9-in., $2 to $2.50 each; 10-in., $3 to $3.50 each; 12-in., $4 to $5 each. Nephrolepis Whitmani, 2-in., 60c per doz.; $4 per 100; 2½-in., 75c per doz.; $5 per 100; 3-in., $1.50 per doz.; $10 per 100; 4-in., $2.50 per doz.; $20 per 100; 5-in., $4 per doz.; $40 per 100; 6-in., $6 per doz.; $50 per 100; 7-in., $9 per doz.; 8-in., $1.50 to $2 each. Amerpohli, 2-in., $2.50 per doz.; $20 per 100; 2½-in., $3.50 per doz.; $25 per 100; 3-in., $4 per doz.; $30 per 100; 4-in., $5 per doz.; $40 per 100. Vaughan's Seed Store, Chicago and New York.

Ferns, Whitmani, 7-in., 3 plants in pot, $1.50 and $1.25; 6-in., 50c, 75c and $1 each. Boston, 8-in., $1.25 and $1.50; 7-in., 75c and $1; 6-in., 50c. Scottii, 7-in., $1; 7-in., $1.25; 6-in., 50c; heavy, 60c to 75c; 5 and 5½-in., 25c, 35c and 40c each. Piersoni, 4-in., 25c; 5 and 5½-in., 30c to 40c; 6-in., 50c. Pteris Wilsoni, 5¼-in., 20c. Amerpholi, 4-in., 50c. Mixed ferns for dishes, 2½-in., $5 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns, Elegantissima, 2¼-in., $6 per 100; 3½-in., $15 per 100; 6-in., 50c each; 8-in., $1 and $1.50 each; 10-in., $2 each. Whitmani, 2¼-in., $6 per 100; 3½-in., $15 per 100; 6-in., 50c and 75c each; 8-in., $1.50 each; 10-in., $2 each. Scottii, 6-in., 50c each. Boston, 2¼-in., $4 per 100; 6-in., 50c each; 8-in., $1 each. Small ferns, for pans, $4 per 100; $30 per 1,000. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, mixed for dishes, 2¼-in., $3.50 per 100; $30 per 1,000; 3-in., $6 per 100; $50 per 1,000. Adiantum Farleyense, 6-in., $1 each; 8-in., $2 each. Nephrolepis Amerpohlii, 6-in. pans, $1 each. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Ferns, Whitmani, 2¼-in., $5 per 100; 3½-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Son, Whitman, Mass.

See our display advertisement for bargains in well-grown ferns, all sizes and varieties. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns, Boston, 2½-in., $4 per 100; $35 per 1,000. Storrs & Harrison Co., Painesville, O.

Ferns, N. Amerpohlii, 2½-in., $15 per 100. Janesville Floral Co., Janesville, Wis.

10,000 Boston fern runners, all sizes. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns, Piersoni Elegantissima, 2-in., 3c. Byer Bros., Chambersburg Pa.

Ferns, Boston, 5-in., 30c each. Geo. M. Emmans, Newton, N. J.

Ferns. Nelson & Klopfer, 1101 Fifth Ave., Peoria, Ill.

Ferns. Geo. A. Kuhl, Pekin, Ill.

FICUS.

Ficus elastica, 5 to 6-in., 20 to 40 in., 30c to 75c each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

FUCHSIAS.

Fuchsias, good asst., 2-in., $3 per 100. Black Prince and Minnesota, $2. R. Vincent, Jr. & Sons Co., White Marsh, Md.

GERANIUMS.

GERANIUMS. Our stock is larger and finer than ever and includes the following SUPERB BEDDERS: S. A. Nutt, greatest crimson; Peter Henderson, grand new semi-double scarlet; Beaute Poitevine, best salmon; Mme. Buchner, the only double white; Jean Viaud, pure pink; strong top cuttings, well rooted and true to name, $1.75 per 100; $16 per 1,000. Cash. The W. T. Buckley Co., Springfield, Ill.

Geraniums, Nutt, Doyle, Perkins, Ricard, dbl. Grant, 2-in., $2.50 per 100; R. C., $1.25 per 100. Trego, Castellane, Poitevine, Viaud, 2-in., $3 per 100; R. C., $1.50 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, standard and novelties, $2 per 100 up. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Geraniums, 10 vars., 2½-in., $3 per 100; $25 per 1,000. Jos. H. Cunningham, Delaware, O.

Geraniums, dbl. red, 2½-in., $3 per 100; $25 per 1,000. Schmaus Bros., Paducah, Ky.

Geraniums, La Favorite, R. C., $1 per 100. E. T. Wanzer, Wheaton, Ill.

Geraniums. A. M. Herr, Lancaster, Pa.

Geraniums. E. G. Hill Co., Richmond, Ind.

GLOXINIAS.

Gloxinias. L. Van Houtte, Pere, Ghent, Belgium.

GREENS.

Greens, dagger and fancy ferns, $1.50 per 1,000. Bronze and green galax, $1.25 per 1,000. Leucothoe sprays, $1 per 100; $7.50 per 1,000. Sphagnum moss, per bale, $1.25. Boxwood bunches, 35c; 50 lbs., $7.50. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit.

If you do not find what you need in our Ready Reference Department, write us about it.

Greens, dagger and fancy ferns, $1.50 per 1,000. Galax, green, $1 per 1,000; $7.50 per case of 10,000; bronze, $1 per 1,000; $8.50 per 10,000. Wild smilax, $3.50 and $7. Laurel festooning, 5c and 6c per yard; branch laurel, per bunch, 50c. Sphagnum moss, per bag, 50c; 5 bags, $2. Henry M. Robinson & Co., 15 Province St., Boston.

Greens, cut palmetto and cycas leaves, galax, leucothoe, ferns, mosses, etc. Kervan Co., 113 W. 28th St., New York.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 52 W. 28th St., New York.

Greens, smilax, ferns, palm leaves, etc. John P. Scherer, Union Hill, N. J.

Greens, southern wild smilax. E. A. Beaven, Evergreen, Ala.

Greens, hardy cut ferns. H. J. Smith, Hinsdale, Mass.

HARDY PERENNIALS.

Hardy perennials, anemone, aster, campanula, delphinium, funkia, hemerocallis, hepatica, incarvillea, iris, peony, phlox, primula, pyrethrum, tritoma. Royal Tottenham Nurseries, Ltd., Dedemsvaart, Holland.

Hardy pinks, R. C., 5 kinds, 75c. Byer Bros., Chambersburg, Pa.

Our perennials are large field-grown stock. Mosbæk Greenhouse Co., Onarga, Ill.

Dielytra spectabilis, large clumps, $6 per 100. Bobbink & Atkins, Rutherford, N. J.

HELIOTROPES.

Heliotropes, R. C., prepaid, 10 vars., $1 per 100; $8 per 1,000. C. Humfeld, Clay Center, Kans.

Heliotropes, 4 of the best varieties, R. C., $1 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Heliotropes, 3 kinds, R. C., $1. Byer Bros., Chambersburg, Pa.

HYDRANGEAS.

Hydrangeas, Otaksa and Thos. Hogg, 6-in., 3 to 4 flowering stems, $5 per doz.; $40 per 100; 7-in., 5 to 6 flowering stems, $8 per doz.; $75 per 100. Vaughan's Seed Store, Chicago and New York.

Hydrangea American Everblooming (H. arborescens sterilis). The largest stock in America of strong and 2-year nursery grown plants of this best of all hardy flowering shrubs. The E. Y. Teas Co., Centerville, Ind.

Hydrangea Otaksa, 6-in., 25c; 7-in., 35c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Hydrangea paniculata grandi., 3 ft., 50c. Vaughan's Seed Store, Chicago and New York.

Hydrangeas. W. & T. Smith Co., Geneva, N. Y.

IVIES.

Ivy, hardy English, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

JERUSALEM CHERRIES.

Jerusalem cherries, 6 and 7-in., full of berries, 35c to 50c each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

LANTANAS.

Lantanas, R. C., prepaid, 8 vars., $1.25 per 100; $10 per 1,000. C. Humfeld, Clay Center, Kans.

Lantanas, 10 vars., 2-in., $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

LILACS.

Lilacs, $9 per doz. Bobbink & Atkins, Rutherford, N. J.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

Lilacs. Jackson & Perkins Co., Newark, N. Y.

LOBELIAS.

Lobelia, Crystal Palace, Gem, 2-in., $2 per 100. R. Vincent, Jr. & Sons, White Marsh, Md.

Lobelias, Caster's double blue, $2 per doz.; $18 per 100. J. Fuller, Leominster, Mass.

MALUS.

Malus floribunda, 2½ ft., $1 each; floribunda sanguinea, 2½ ft., $1; Parkmanni, 2½ ft., $1.25; Scherdechen, 2½ ft., $1. Vaughan's Seed Store, Chicago and New York.

MAGNOLIAS.

Magnolias, Halleana, 2 ft., $2 each; Soulangeana, 4 ft., $1.75 each. Vaughan's Seed Store, Chicago and New York.

MANETTI STOCKS.

Manetti, grafting size, $8 per 1,000; $75 per 10,000; extra size, $10 per 1,000; $90 per 10,000. Jackson & Perkins Co., Newark, N. Y.

MOSS.

Sphagnum moss, 5 barrel bale, $1.25; 2 bales, $2.25; 5 bales, $5; 10 bales, $9.50. H. R. Akers, Chatsworth, N. J.

MUSHROOM SPAWN.

Mushroom spawn, English, per 100 lbs., $6 f. o. b. New York; $6.50 f. o. b. Chicago. Garden City Pure Culture, 100 bricks, $12 f. o. b Chicago, $12.50 f. o. b. New York. Vaughan's Seed Store, Chicago and New York.

Mushroom spawn. English and pure culture. Weeber & Don, 114 Chambers St., New York.

NURSERY STOCK.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, conifers, hardy ferns, hardy heaths, rhododendrons, hydrangeas. Royal Tottenham Nurseries, Ltd., Dedemsvaart, Holland.

Nursery stock, arbor-vitæ (Thuya occidentalis) 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, trees and shrubs, price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Nursery stock, large trees, oaks, maples, pines, and hemlock. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, fruit and shade trees, shrubs, evergreens. W. & T. Smith Co., Geneva, N. Y.

Viburnum Opulus, $6.50 per doz. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, flowering shrubs. E. Y. Teas, Centerville, Ind.

ORANGES.

Oranges, Kinkan. P. J. Berckmans Co., Augusta, Ga.

Oranges. Anton Schultheis, College Point, N.Y.

ORCHIDS.

Orchids, C. Trianæ, C. Mossiæ, C. labiata, C. Schroederæ, C. speciosissima, C. citrina, C. intermedia, C. Gaskelliana, C. Dowiana, C. Warneri, Lælia anceps, L. albida, L. majalis, L. autumnalis, Oncidium crispum, O. varicosum, O. Cavendishianum, O. luridum, Epidendrum vitellinum majus, E. Cooperianum, Odonto. citrosmum, Miltonia vexillaria. Carillo & Baldwin, Secaucus, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England. New York office, room 1, 235 Broadway.

Orchids in superb condition. Cattleya Mossiæ, C. Schroederæ, Lælia anceps, Epidendrum vitellinum, etc. Lager & Hurrell, Summit, N. J.

Orchids, C. Trianæ, C. Percivaliana, C. speciosissima, C. Gaskelliana, Oncidium Krameriana, Ordonez Bros., Madison, N. J.

Orchids in sheath, bud and flower. Julius Roehrs Co., Rutherford, N. J.

Orchids, cut flowers. Western Orchid Co., Alameda, Cal.

PALMS.

Palms Kentia Fors. and Bel., 4-in., 18 to 20 ins., 35c each. Bel., 5½ and 6-in., 75c; 5¼ and 5½-in., 50c and 60c. Areca Lutescens, 4-in., 18 to 22 ins., 20c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Latania Borb., seedlings from flats, $2 per 100; 3-in., $6 per 100, 4-in., 3 in pot, $3 per doz. Kentias and phœnix in all sizes. Vaughan's Seed Store, Chicago and N. Y.

Palms, kentias, 15 ins., to 15 ft. Bobbink & Atkins, Rutherford, N. J.

Palms. P. J. Berckmans Co., Augusta, Ga

Palms. L. Van Houtte, Pere, Ghent, Belgium.

PANICUM.

Panicum Var., 2-in., $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

PANSIES.

Pansies, giant flowering, 50c per 100; $2.50 per 1,000. Jos. H. Cunningham, Delaware, O.

PELARGONIUMS.

Pelargoniums, Purity, Countess of Crew, Duke of Cornwall, Galatea, Gloriosa, Lady Carrington and Tommy Todd, $1.50 per doz.; $6 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

PEONIES.

Peonies, Festiva Maxima, $20 per 100; Queen Victoria, $9 per 100; Fragrans, $6 per 100. Gilbert H. Wild, Sarcoxie, Mo.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Free Peony book and nursery price list. Felix & Dykhuis, Boskoop, Holland.

Peonies, all vars. Jacs Smith, Ltd., Naarden, Holland.

Peonies, leading vars. W. & T. Smith Co., Geneva, N. Y.

PRUNUS.

Prunus triloba, 18-in., bushy, 75c each; standards, 4 ft., $1.50 each; Georgica, 2½ ft., 75c each. Vaughan's Seed Store, Chicago and New York.

PETUNIAS.

Petunias, 2½-in., dbl. fringed, 3 var., $2.50 per 100. Geo. A. Kuhl, Pekin, Ill.

Petunias, dbl., 10 kinds. R. C., $1. Byer Bros., Chambersburg, Pa.

POINSETTIAS.

Poinsettias, good strong stock, $4 per 100. The Krueger Bros. Co., Toledo, O.

PRIMULAS.

Primula obconica grandi., mixed, 2¼-in., $1.50 per 100. The Stover Floral Co., Grandville, Mich.

PRIVET.

Privet, California and Amoor River, 2½ to 3 ft., $25 per 1,000. Peter's Nursery Co., Knoxville, Tenn.

Privet, California. E. Y. Teas, Co., Centerville, Ind.

RHODODENDRONS.

Rhododendrons, full of buds, 18-in., $9 per doz.; 24-in., $12 per doz. Storrs & Harrison Co., Painesville, O.

Rhododendrons, $9 and $12 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons. W. & T. Smith Co., Geneva, N. Y.

Rhododendrons, Jacs Smits, Naarden, Holland.

ROSES.

Roses, 2-yr., budded, per doz., $2; $15 per 100; Am. Beauty, La France, Frau K. Druschki, Kaiserin, Solicl d'Or, Hermosa, Paul Neyron, Gruss an Teplitz, 2-yr., budded, $1.50 per doz.; $11 per 100. Anna de Diesbach, Fisher Holmes, Magna Charta, Ball of Snow, Gen. Jacq., M. P. Wilder, Capt. Christy, Mme. Testout, Mrs. J. Laing, U. Brunner, etc. Crimson Rambler, 2-yr., home-grown, $15 per 100; 2-yr., imported, $12 per 100. Dorothy Perkins, 2-yr., home-grown, $12 per 100. Lady Gay, 2-yr., budded, $20 per 100. Philadelphia Rambler, 2-yr., home-grown, $12 per 100. Baby Rambler, 2-yr., extra strong budded, $20 per 100; 2-yr., No. 1, $16 per 100; 1-yr., No. 2, $10 per 100. White Baby Rambler, 2½-in., $10 per 100. Red Kaiserin, 2-yr., dormant, $25 per 100. Vaughan's Seed Store, Chicago and New York.

Roses, Baby Rambler, tree form, pot grown, 50c each; $5 per doz., bush form, field-grown, $2 per doz; $15 per 100. C. Soupert, 2-yr., $1.50 per doz., $12 per 100. Dorothy Perkins, field, 2-yr., 7-8 ft., $3 per doz.; $20 per 100. Hermosa, field, 2-yr., $1.50 per doz.; $12 per 100. Lady Gay, field, 2-yr., $3.50 per doz.; $25 per 100. H. P. roses, per 100, $12; per 1,000, $100; Capt. Christy, Duchess of Edinburgh, Gen. Jacq., Mme. G. Luizet, Mrs. Laing, Perle des Blanches, U. Brunner, C. Touset, Frau K. Druschki, La France, Magna Charta, P. Neyron, Rothschild. Red Kaiserin, 2-yr., field-grown, $25 per 100. Bobbink & Atkins, Rutherford, N. J.

Roses, American Beauty, R. C., $27.50 per 1,000; 2½-in., $6.50 per 100; $60 per 1,000; 3½-in., $80 per 1,000. Maid, Bride, U. John, Richmond, Chatenay, Kaiserin, R. C., $18.50 per 1,000; 2½-in., $4.50 per 100; $40 per 1,000; 3½-in., $60 per 1,000. Mrs. Potter Palmer and Cardinal, 2½-in., $15 per 100; $125 per 1,000; 3½-in., $150 per 1,000. Perle, Sunrise, 2½-in., $5 per 100; $45 per 1,000; Perle, 3½-in., $65 per 1,000. Killarney, R. C., $35 per 1,000; 2½-in., $6 per 100; $55 per 1,000; 3½-in., $75 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, field-grown, Anne de Diesbach, Clio, Frau Karl Druschki, Gen. Jacq., John Hopper, Mme. Luizet, M. P. Wilder, Mrs. J. Laing, Paul Neyron, Prince Camille, U. Brunner, Crimson, white, yellow and Philadelphia Rambler, common sweet briar, Mme. G. Bruant, Wichuraiana. Ellwanger & Barry, Rochester, N. Y.

Roses, rooted cuttings, Bride, Bridesmaid, Ivory, Richmond, Chatenay, Uncle John, $1.50 per 100; $12.50 per 1,000. Sunrise and Kate Moulton, $3 per 100; $25 per 1,000. Perle, $2 per 100; $17.50 per 1,000. Am. Beauty, bench plants, $10 per 100; $75 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Roses, strong rooted cuttings, Brides and Maids, $8 per 1,000. Mme. Chatenay and Richmond, $12 per 1,000. Kaiserin Victoria, $14 per 1,000; 2-in. stock, $3 more per 1,000. Gus. Schlegel, 113 S. Main St., Butler, Pa.

Rose, Cardinal, 2½-in. pot plants, $20 per 100; $150 per 1,000. Washington Florists Co., Washington, D. C.

If you do not find what you need in our Ready Reference Department, write us about it.

Rose Mrs. Jardine, 2½-in., $6 per doz.; $30 per 100; $250 per 1,000; $1,125 per 5,000; grafted on Dickson's manetti stocks, $5 per 100 additional. Robt. Scott & Sons, Sharon Hill, Pa., or Wm. P. Craig, 1305 Filbert St., Philadelphia, Pa.

Roses, Tausendschon, 3-in., 10 for $2; $15 per 100; $1.25 per 1,000. Dingee & Conard Co., West Grove, Pa.

American Beauties, rooted cuttings, $3 per 100; $25 per 1,000; 2¼-in., $6 per 100; $50 per 1,000. F. J. Wilcox, Council Bluffs, Iowa.

Rose My Maryland, 2 and 2½-in., $25 per 100; $200 per 1,000; 3-in., $5 per doz. John Cook, 318 N. Charles St., Baltimore, Md.

Roses, Maids, Brides and Golden Gate, 2 and 3 eye R. C., $1.50 per 100; $12 per 1,000. Davis Bros., Morrison, Ill.

Roses. C. Soupert, C. Rambler, Dorothy Perkins. Marie Pavie. P. J. Berckmans Co., Augusta, Ga.

Roses, 400 best sorts, 2½ and 4-in. Leedle Floral Co. Springfield, O.

Rose Newport Fairy. Julius Roehrs Co., Rutherford, N. J.

Roses. J. L. Dillon Bloomsburg, Pa.

Roses. E. G. Hill Co., Richmond, Ind.

Roses. W. & T. Smith Co., Geneva, N. Y.

Roses. Jackson & Perkins Co., Newark, N. Y.

Roses. Geo. A. Kuhl, Pekin, Ill.

SIMLAX.

Smilax, 2½-in., $2.50 per 100; $22 per 1,000; 3-in., $35 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

SALVIAS.

Salvia Zurich, 2-in., $1 per 25; $3 per 100; $25 per 1,000; R. C., $1.75 per 100. J. L. Schiller, 929 Prouty Ave., Toledo, O.

Salvias, R. C., prepaid, Bonfire, St. Louis, $1 per 100; $8 per 1,000. C. Humfeld, Clay Center, Kans.

Salvias, R. C., 90c per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Salvia Bonfire. Splendens. 90c. Byer Bros., Chambersburg, Pa.

Salvia Zurich, R C., $1.75 per 100; 2-in., $3. Perennial Gardens Co., Toledo, O.

SEEDS.

Seeds. Lettuce, Grand Rapids, ¼ lb., 30c; lb., $1; May King, ¼ lb., 40c; lb., $1.25. Cucumber, Evergreen White Spine, ¼ lb., 25c; lb., 75c; Davis Perfect, ¼ lb., 35c; lb., $1.25. Radish, Vaughan's Cardinal Forcing, ¼ lb., 40c, lb., $1.50; Improved Scarlet Globe, ¼ lb., 25c. lb., 70c; 20 Day Forcing, ¼ lb., 20c; lb., 60c. Scarlet Globe White Tip, ¼ lb., 20c; lb., 60c. Tomato, New Globe, ¼ lb., 75c; lb., $3; Comet, pkt., 25c; Sunrise, pkt., 25c. Cauliflower, Earliest of All, pkt., 25c; oz., $2.50. Vaughan's Seed Store, Chicago and New York.

Seeds, ageratum. Blue Perfection, pkt., 15c; oz., 50c. Alyssum Little Gem, pkt., 10c; oz., 35c. Candytuft, Empress, pkt., 10c; oz., 20c. Bellis, Snowball, Longfellow, pkt., 25c. Salvia splendens, pkt., 25c; oz., $1.35. Bonfire, pkt., 25c., oz., $2.50. Verbena, mammoth mixed, pkt., 25c., oz., $1.50. Bridgeman's Seed Warehouse, 37 E. 19th St., New York.

Seeds, bean, beet, cabbage, carrot, kohl rabi, leek, lettuce, onion, pea, radish, spinach, turnip, swede, aster, balsam, begonia, carnation, cineraria, gloxinia, larkspur, nasturtium, pansy, petunia, phlox, primula, scabious, stock, verbena, zinnia, etc. Giant pansy, $5 per oz.; $1.50 per ¼ oz.; 75c per 1-16 oz. Henry Mette, Quedlinburg, Germany.

Seeds, Begonia gracilis luminosa. Erfordia, Zangen's Bedding Queen, tr. pkt., 50c; 6 pkts., $2.50. Sweet alyssum, Carpet Queen, tr. pkt., 25c; 6 pkts., $1.25. O. V. Zangen, Hoboken, N. J.

Seeds, verbena, mammoth, colors or mixed, ¼ oz., 30c; oz., $1. Salvia splendens, ¼ oz., 35c; oz., $1.25; Bonfire, ¼ oz., 75c; oz., $2.50. W. C. Beckert, Pittsburg, N. S., Pa.

Seeds, tomato, the Don, Cauliflower, First and Best. Onion, Ailsa Craig. Lettuce, Ideal. Mignonette, N. Y. Market. Weeber & Don, 114 Chambers St., New York.

Seeds, new crop flower. H. H. Berger & Co., 70 Warren St., New York.

Seeds. We are now booking orders for Asparagus Sprengeri seed at $4 per lb., 10 lbs., $3.50 per lb. Theodosia B. Shepard Co., Ventura, Cal.

Seeds, bean, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, onion, lettuce, sweet peas and other California specialties. C. C. Morse & Co., 48 to 56 Jackson St., San Francisco, Cal.

Seeds, Conway's White Branching aster, trade pkt., $1; ½ oz., $3; oz., $5. F. A. Conway & Co., Indianapolis, Ind.

Seeds. W. Atlee Burpee & Co., Philadelphia.

Seeds, Ageratum, Imperial dwarf blue and white, tr. pkt., 10c; oz., 25c; Blue Perfection, Princess Pauline, tr. pkt., 10c; oz., 40c; Princess Victoria Louise, tr. pkt., 10c; oz., 50c; Little Blue Star, tr. pkt., 25c. Alyssum, sweet, lb., $1.25; tr. pkt., 5c; oz., 15c; Little Gem, tr. pkt., 10c; oz., 35c. Balsam, Alba Perfecta, ¼ oz., 25c; tr. pkt., 10c; oz., $1. Begonia, single tuberous-rooted, tr. pkt., 50c; Vernon, ⅛ oz., 30c; tr. pkt., 10c; oz., $2; Luminosa, tr. pkt., 25c. Bellis or double daisy, Vaughan's mammoth mixture, 1-16 oz., 45c; tr. pkt., 25c; mammoth white, 1-16 oz., 50c; tr. pkt., 25c; Longfellow, ⅛ oz., 35c; tr. pkt., 20c; oz., $2.50; Monstrosa, dbl. white and pink, each, 50c. Browallia, Speciosa major, oz., 25c. Candytuft, giant hyacinth fld., ½ oz., 15c; tr. pkt., 10c; oz., 20c. Cannas, Vaughan's special mixture, lb., $1.50; tr. pkt., 10c; oz., 20c. Celosia, Pres. Thiers, tr. pkt., 15c; oz., $1.25. Centaurea candidissima, tr. pkt., 25c; oz., $1; Gymnocarpa, lb., $2.75; tr. pkt., 5c; oz., 30c. Coboea scandens, blue, lb., $3.50; tr. pkt., 10c; oz., 30c. Clematis paniculata, white, sweet scented, lb., $5; tr. pkt., 15c; oz., 50c; large fld. Jackmanni, hybrids, tr. pkt., 25c; oz., $2. Coleus, mammoth rainbow, tr. pkt., 25c; large leaved mixed, tr. pkt., 25c. Cyperus alternifolius, ¼ oz., 50c; tr. pkt., 20c; oz., $1.60. Dracæna indivisa, lb., $2.50; tr. pkt., 10c; oz., 30c; Lineata and Latifolia, tr. pkt., 10c; oz., 40c; Australis, tr. pkt., 10c; oz., 60c. Daisy, Burbank Shasta, ⅛ oz., 25c; oz., $1.50. Echeveria, hen and chickens, mixed, 100 seeds, 20c; 1,000 seeds, $1; Metallica, 100 seeds, 35c; 1,000 seeds, $3.50; Secunda glauca, 100 seeds, 15c; 1,000 seeds, $1. Feverfew, Matricaria Capensis plenissima, tr. pkt., 10c; oz., 25c. Forget-me-not, Vaughan's early and late, flowering, ¼ oz., 25c; tr. pkt., 10c; oz., 80c. Fuchsia, dbl. and single mixed, 250 seeds, 75c; 1,000 seeds, $2.60. Geraniums, apple-scented, 200 seeds, 25c; 1,000 seeds, $1. Grevillea robusta, tr. pkt., 10c; oz., 80c. Linaria Cymballaria, ¼ oz., 40c; tr. pkt., 15c; oz., $1.20; alba, tr. pkt., 15c; oz., $1.20. Lantana hybrida, mixed, tr. pkt., 5c; oz., 15c. Lemon Verbena, ¼ oz., 40c; tr. pkt., 25c. Lobelia, Crystal Palace Comp., ⅛ oz., 25c; tr. pkt., 15c; oz., $1.20; Speciosa, ¼ oz., 15c; tr. pkt., 10c; oz., 50c; Emperor William, ¼ oz., 25c; tr. pkt., 10c; oz., $1; Bedding Queen, ⅛ oz., 25c; tr. pkt., 15c; oz., $1.50. Maurandga, mixed, ¼ oz., 25c; tr. pkt., 10c; oz., $1. Mignonette, true Machet, ½ oz., 25c; 2 ozs., 75c; tr. pkt., 10c; oz., 50c; New York Market, pkt., 1,000 seeds, 50c; ⅛ oz., $1; oz., $6. Mimulus (musk plant) ¼ oz., 30c; tr. pkt., 10c; oz., $1. Musa Martini, and Religiosa, 100 seeds, 85c. Pansies, Vaughan's International mixture, oz., $10; ½ oz., $5; ⅛ oz., $1.50; tr. pkt., 50c; Vaughan's Giant pansy mixture, ¼ lb., $14; oz., $4; ⅛ oz., 60c; tr. pkt., 25c. Petunia, Giants of California, mixed, 1-32 oz., 75c; tr. pkt., 25c; Vaughan's Best mixture of large flowering, tr. pkt. 1,000 seeds, 50c; 3 pkts., $1.25; Vaughan's large double, tr. pkt. 1,000 seeds, $1.20. Pyrethrum, tr. pkt., 10c; oz., 25c. Salvia splendens, Clara Bedman, (Bonfire) tr. pkt., 25c; oz., $2.50; Drooping Spikes, ¼ oz., 50c; tr. pkt., 25c; oz., $1.60; Fireball, ⅛ oz., 75c; tr. pkt., 25c; Zurich, tr. pkt., 50c. Primula obconica grandi, mixed, 500 seeds, 25c; large flowering, pink and white, 500 seeds, 25c; fringed, 500 seeds, 50c; Gigantea rosea, 200 seeds, 25c; Gigantea Kermesina, tr. pkt., 30c. Stocks, large flowering, mixed, ⅛ oz., 35c; tr. pkt., 25c; oz., $2; pure white, rose, crimson, blood red, light blue, canary yellow, dark blue, each, ⅛ oz., 35c; tr. pkt., 25c; oz., $2; Cut and Come Again stocks, White Perfection or Princess Alice, blood red, brilliant lilac, pink, each, ⅛ oz., 40c; tr. pkt., 25c; oz., $2.50; mixed, above colors and others, ⅛ oz., 35c; tr. pkt., 20c; oz., $2. Smilax, ¼ lb., $1.25; lb., $5; tr. pkt., 10c; oz., 50c; New myrtle leaved, 100 seeds, 75c; 1,000 seeds, $6. Thunbergia, mixed, 4 oz., $1; tr. pkt., 10c; oz., 40c. Torenia Fournieri, ⅛ oz., 40c; tr. pkt., 15c; F. compacta grandi, ⅛ oz., 50c; tr. pkt., 15c; White Wings, ⅛ oz., 40c; tr. pkt., 15c; Bailloni, 1-16 oz., 50c; tr. pkt., 25c. Verbena, Vaughan's best mixture, tr. pkt., 25c; ¼ oz., 50c; oz., $2; mammoth mixed, 2 ozs., $1.70; tr. pkt., 10c; ¼ oz., 25c; oz., 80c; white, tr. pkt., 15c; ¼ oz., 25c; oz., $1; purple and pink shades, tr. pkt., 25c; ¼ oz., 50c; oz., $2; Firefly, scarlet, white eye, tr. pkt., 15c; ¼ oz., 40c; oz., $1.20; striped on red ground, tr. pkt., 15c; ¼ oz., 30c; oz., $1.15; Candidissima, white, tr. pkt., 10c; ¼ oz., 20c; oz., 70c; Defiance, bright scarlet, tr. pkt., 10c; ¼ oz., 25c; oz., 90c; dark blue with white eye, tr. pkt., 10c; ¼ oz., 20c; oz., 70c. Vinca rosea, rosea fl. albo and pure white, each, tr. pkt., 10c; oz., 60c. Vaughan's Seed Store, 84-86 Randolph and 206-208 W. Randolph St., Chicago.

Seeds, cabbage and cauliflower. Hjalmar Hartman & Co., 12 Stormgade, Copenhagen; 31 Barclay St., New York.

Seeds. Asparagus plumosus robustus, $1,25 per doz.; $15 per lb., post free. Thos. H. Wood, Brisbane, Australia.

Seeds, growers for the wholesale trade only. Braslan Seed Grower's Co., San Jose, Cal.

Seeds. Cyclamen and Primula Sinensis. St. George's Nursery Co., Harlington, Mid's'x, Eng.

Seeds of all kinds. H. E. Fiske Seed Co., 12 and 13 Faneuil Hall Sq., Boston, Mass.

Seeds. Tomato Waveland, $1 per pkt., $3 per oz. H. Kuld, Box 193, Norwood, Mass.

Seeds, garden, field and flower. S. D. Woodruff & Sons, 82 Dey St., New York.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds of all kinds. A. T. Bodington, 342 W. 14th St., New York.

Seeds, all kinds. St. Louis Seed Co., 677 N. Fourth St., St. Louis, Mo.

Seeds, choice German. Fredr. Roemer, Quedlinburg, Germany.

Seeds, all kinds. St. Louis Seed Co., 784-86 N. 4th St., St. Louis.

SPIREAS.

Spireas, full of eyes, Astilboides, floribunda, $4.25 per 100; $40 per 1,000; A. superbe, $6 per 100; Nana Compacta, $4.50 per 100; $40 per 1,000; Japonica, $4 per 100; $35 per 1,000. Storrs & Harrison Co., Painesville, O.

Spirea Blondin, $5 per 100; compacta, $4.50; Gladstone, $7; Japonica, $4.50; Queen of Holland, $10. Washington, $10. Bobbink & Atkins, Rutherford, N. J.

Spireas. Jacs Smits., Ltd., Naarden, Holland.

Spireas. Jackson & Perkins Co., Newark, N. J.

STEVIAS.

Stevia, R. C., $1 per 100. E. T. Wanzer, Wheaton, Ill.

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Swanisona alba, R. C., $1; 2-in., 2c. Byer Bros., Chambersburg, Pa.

VEGETABLE PLANTS.

Vegetable plants, lettuce, Grand Rapids. Boston Market, Big Boston, 25c per 100; $1 per 1,000. Tomato. Mayflower and Lorillard, 50c per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Lettuce plants, Grand Rapids and Black Seeded Simpson, $1 per 1,000; $9 per 10,000. B. E. Wadsworth, Box 224, Danville, Ill.

Vegetable plants, cabbage: Wakefield, Express, Winningstadt, $1 per 1,000. Byer Bros., Chambersburg, Pa.

Vegetable plants, 200,000 horse radish sets, $3 to $5 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Genuine Bavarian Horse Radish, shipped by expert house. Georg Roesch, Baiersdorf, Bavaria.

Asparagus, 8-yr, roots, $5 per 100. Rhubarb, large clumps, $6 per 100; small, $3 per 100. Warren Shinn, Woodstown, N. J.

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Verbenas, 60 vars., R. C., our selection, 75c per 100; $6 per 1,000; plants, $2.50 per 100; $20 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Verbenas, white, pink, scarlet, purple, 2-in., $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Verbenas. J. L. Dillon, Bloomsburg, Pa.

VINCAS.

Vinca variegata. Rooted cuttings, 90c per 100; 2¼-in., $2.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Vinca variegata, 3-in., ready to shift, $4 per 100; 4-in., $7 per 100. John S. Leach, Hartford City, Ind.

Vinca maj. var., 2-in., 2¼c; 3-in., 5c; 4-in., 7c. Leedle Floral Co., Springfield, O.

Vinca variegata, 2¼-in., $2.50 per 100. Jos. H. Cunningham, Delaware, O.

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Violets, Boston, $2 per doz.; $12 per 100; $100 per 1,000. Wm. Sim, Cliftondale, Mass.

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Berning, H. G., 1402 Pine St., St. Louis.

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Deamud, J. B. Co., 51 Wabash Ave., Chicago.

Ford Bros., 48 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

Guttman, Alex J., 43 W. 28th St., New York.

Harty & Co., 1312 G St., N. W., Washington.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kennicott Bros. Co., 48-50 Wabash, Chicago.

Kuehn, C. A., 1122 Pine St., St. Louis.

Langjahr, Alfred H., 55 W. 28th St., N. Y.

McCullough's Son Co., J. M., 316 Walnut St., Cincinnati, O.

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McKellar, Chas. W., 51 Wabash Ave., Chicago.

McKissick, W. E., 1619-1621 Ranstead St., Philadelphia.

Michigan Cut Flower Exchange, 30-40 Broadway, Detroit, Mich.

Millang, Chas., 50 W. 29th St., New York.

Millang, Frank, 55-57 W. 26th St., New York.

Murdoch, J. B. & Co., 714 Penn Ave., Pittsburg, Pa.

Niessen Co., Leo., 1208 Arch St., Philadelphia.

N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.

Perkins & Nelson, 57 W. 26th St., New York.

Pittsburg Cut Flower Co., Ltd., 222 Oliver Ave., Pittsburg, Pa.

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Robinson, Henry M. & Co., 11-15 Province St., Boston.

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Sheridan, Walter F., 39 W. 28th St., New York.

Smith & Co., D., 111 W. 28th St., New York.

Smith & Co., W. C., 1316 Pine St., St. Louis.

Traendly & Schenck, 44 W. 28th St., N. Y.

Vaughan & Sperry, 58-60 Wabash Ave., Chicago.

Welch Bros., 226 Devonshire St., Boston.

Winterson, E. F. Co., 45-59 Wabash, Chicago.

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Young, Jr., Thos., 43 W. 28th St., New York.

Young, John, 51 W. 28th St., New York.

Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76-78 Wabash, Chicago.

Benthey & Coatsworth Co., The, 35 Randolph St., Chicago.

Bruns, H. N., 1409-11 W Madison St., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Elliott, W. H., Brighton, Mass.

Hill, The E. G. Co., Richmond, Ind.

Jensen & Dekema, 674 W. Foster Ave., Chicago.

Joy Floral Co., 601 Church St., Nashville, Tenn.

Muskogee Carnation Co., Muskogee, Okla.

Peacock Dahlia Farms, Atco, N. J.

Poehlmann Bros., 35-37 Randolph St., Chicago.

Reinberg, Peter, 51 Wabash Ave., Chicago.

Schultheis, Anton, College Point, N. Y.

Weiland & Olinger, 128 E. 3rd St., Cincinnati, O.

Weiland & Risch, 59 Wabash Ave., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

Wittbold, Geo. Co., 1657 Buckingham Pl., Chicago.

Woodrow, Samuel A., 53 W. 30th St., New York.

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Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree St.

Albany, N. Y.—H. G. Eyers, 11 N. Pearl St.

Boston—Houghton & Clark, 396 Boyleston St.

Brooklyn, N. Y.—Robt. G. Wilson, Fulton St. and Green Ave.

Buffalo, N. Y.—Palmer's.

Chicago.—Hauswirth Florist, Auditorium Annex.

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Kansas City, Mo.—Geo. M. Kellogg, 906 Grand Ave., also Pleasant Hill, Mo.

Kansas City, Mo.—Samuel Murray, Coates House Co., 1017 Broadway.

Los Angeles, Cal.—J. W. Wolfskill, 218 W. 4th St.

Louisville, Ky.—J. Schultz, 644 4th Ave.

New Orleans, La.—U. J. Virgin, 833 Canal St.

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St. Louis, Mo.—Young's, 1406 Olive St.

St. Paul, Minn.—Holm & Olson.

San Francisco, Cal.—J. B. Boland Co., 47-49 Geary St.

Seattle, Wash.—Woodland Seed & Floral Co., 808 2nd Ave.

Washington, D. C.—Z. D. Blackistone, 14th and H. Sts., N. W.

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Artificial poinsettias. J. Schroeder, 2253 Ontario St., Cleveland, O.

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Boilers, corrugated, firebox and sectional greenhouse heating. Hitchings & Co., 1170 Broadway, New York.

Boilers, improved greenhouse boilers, made of best material; shell firebox sheets and heads of steel; water space all around (front, sides and back.) Kroeschell Bros. Co., 45 Erie St., Chicago.

Boilers, the Superior improved internal fired boiler. Made in 10 sizes to heat from 2,000 to 6,500 ft. of 4-in pipe. Superior Machine and Boiler Works, 125-133 W. Superior St., Chicago.

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Boilers, the Burnham boilers, made for greenhouse heating. Lord & Burnham Co., 1133 Broadway, New York.

Boilers, boilers of high grade for greenhouses. Steam or hot water. Giblin & Co., Utica, N. Y.

Boilers, steel return tubular, steam or water. Johnston Heating Co., 138 E. 31st St., N. Y.

Boilers and tubes. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Boilers, water tube steam boilers. King Construction Co., North Tonawanda, N. Y.

Boilers. S. A. Jacobs & Sons, 1365 N. Flushing Ave., Brooklyn, N. Y.

Boilers. Myers & Co., 1122 Betz Bldg., Philadelphia.

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Cut flower boxes. Send for prices. Edwards Folding Box Co., Philadelphia, Pa.

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Building material, hotbed sash, glazed, $1.60 each; without glass, 92c. Gordon, Van Tine roofing per roll, $1.41. Doors, 4 panel, painted, 2.0x6.0, 80c each. Windows, 4-light, glazed, 60c. Building paper, per roll, 500 sq. ft., 37c. Storm sash, clear glass, 10x20., 4 lights, 77c. Gordon, Van Tine Co., 675 Case St., Davenport, Ia.

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Building material, lumber, hotbed sash, supplies of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

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Building material for U-bar greenhouses. Pierson U-bar Co., Metropolitan Bldg., 4th Ave. and 23d St., New York

Building material of all kinds. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn.

Building material of all kinds. S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.

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Glass. See my low prices on any size window glass you want. Greenhouse glass a specialty. John S. Leach, Hartford City, Ind.

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Glass, high grade, double thick, greenhouse glass. Lord & Burnham, 1133 Broadway, N. Y.

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Glass of all sizes. S. Jacobs & Sons, 1365 N. Flushing Ave., Brooklyn, N. Y.

Glass of all kinds and sizes. Sharp, Partridge & Co., 22nd and Lumber Sts., Chicago.

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Glazing points; see the point? Holds glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

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Glazing points, Lord & Burnham special glazing nails (points). Lord & Burnham Co., 1133 Broadway, N. Y.

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Greenhouse construction, builders of greenhouses for private estates, institutions, parks, etc. Pierson U-bar Co., Metropolitan Bldg., 4th Ave. and 23d St., New York.

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Fumigating supplies, vaporizing pans for tobacco extract, improved. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

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Florists' overdue accounts and bad debts collected by the National Florists' Board of Trade, 56 Pine St., New York.

Florists' printing. G. E. Wickham. Dept. F. Adrian, Mich.

M. & D. artificial calyx. Maxfield & Dimond, Box 304C, Warren, R. I.

Heller's mice proof seed cases and bins. Heller & Co., Montpelier, O.

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R. I. W. damp resisting paint. Garden City Sand Co., Security Bldg., Chicago.

Paint, Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, New York.

Paint, putty, etc. The Jas. H. Rice Co., cor. Michigan St. Clair and Illinois Sts., Chicago.

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Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., Western Ave. and 26th St., Chicago.

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Iron fittings, patent iron bench fittings and roof supports. Diller, Caskey & Keen, 6th and Berk. Sts., Philadelphia.

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Pots, standard seed pans, cut flower cylinders, hanging baskets, lawn vases, etc. Hilfinger Bros. Pottery, Ft. Edward, N. Y.

Pots, standard flower pots. The Whilldin Pottery Co., Philadelphia, Pa.; Jersey City, N. J.; Long Island City, N. Y.

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Pots, pots of all kinds. A. H. Hews & Co., No. Cambridge, Mass.; Long Island City, N. Y.

Pot hangers, Kramer's $1 doz., exp., $1.25, mail. I. N. Kramer & Son, Cedar Rapids, Ia.

Paper flower pots. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Pots and azalea pans. Twin City Pottery Co., Minneapolis, Minn.

The Red Pot. C. C. Pollworth Co., all roads connect with Milwaukee.

Pots, standard red flower. A. J. Marquis, Middleburg, O.

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Florists' refrigerators, all sizes and kinds. McCray Refrigerator Co., 760 Mill St., Kendallville, Ind.

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Supplies, Cape flowers, cycas leaves, metal designs and all florists' supplies. A Herrmann, 404-12 E. 34th St., New York.

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Supplies, wire designs, etc. The Cleveland Cut Flower Co., 215 Huron Road, Cleveland, O.

Supplies, wire designs. Pittsburg Florists' Ex., 228 Diamond St., Pittsburg, Pa.

Supplies, all kinds. H. M. Robinson & Co., S-11 Province St., Boston.

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Ventilating apparatus for every type of greenhouse. New model encased, self-oiling gear. Standard Model Open Gear. Lord & Burnham Co., 1133 Broadway, New York.

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Ventilators, hand ventilating, etc. The King Construction Co., N. Tonawanda, N. Y.

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The time is coming along when these are needed and opportunity at hand for reading them. Every one of the following should be in your library.

Send prices quoted and we send the books.

THE AMERICAN CARNATION (C. W. Ward).—A complete treatment of all the most modern methods of cultivating this most important flower. Illustrated. $3.50.

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THE VEGETABLE GARDEN (Vilmorin-Andrieux).—The best and most complete book on vegetables ever published. There are 782 pages and hundreds of illustrations in this English edition, edited by Wm. Robinson, the noted English horticultural writer. $6.00.

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St. Paul.

Trade has been the largest for this month that we have ever experienced. The weather has been favorable and stock has been very good for January. Dutch bulb stock came in much earlier than usual this year, and has sold very well. There has been some scarcity of light colored roses and carnations, but other stock has helped out very materially.

CLUB MEETING.

The first regular meeting of the Twin City Florists' and Gardeners' Club was held at Holm & Olson's store January 21, and was attended by about 70 of the craft. On account of the illness of President Wirth, Vice-President Olson was in the chair. After the minutes of the meeting when the club was organized had been read and disposed of, the constitution and by-laws were re-read and those present were invited by Secretary Dysinger to become charter members by paying their dues, for which a recess was taken.

After everyone had been enrolled E. Nagel read a paper, "Spring Bedding Plants," which started considerable discussion on prices at which these have been sold, and which ended with a committee being appointed to look into the matter and report at the February meeting. The ball was started rolling also for a fall show, with a committee being appointed to look into the matter and report at the next regular meeting. The club has now over 70 members, who all are very enthusiastic, and great hopes are entertained for a large and flourishing society.

Several out of town florists came to join the club, among them being G. A. Clausen of Albert Lea; A. N. Kinsman, Austin; J. Larson, Red Wing; and Niel Nielsen, Mankato. The officers of the new club are: Theo. Wirth, Minneapolis, president; O. J. Olson, St. Paul, vice-president; S. D. Dysinger, 20 W. 5th street, St. Paul, secretary; R. A. Latham, Minneapolis, treasurer; E. R. Holm, Aug. S. Swanson, E. Nagel and Thos. Hall, executive committee.

Visitors: A. Currie, Milwaukee, Wis.; A. Ringier, representing W. W. Barnard & Co., Chicago; C. B. Knickman, representing McHutchinson & Co., New York; Wm. Hagemann, New York; W. G. Schucht; C. W. Scott, representing Vaughan's Seed Store, Chicago.

O.

In a Luther Burbank Garden.

White are the coreless apple buds,
As your hand in mine I clasp;
And we wander through the eyeless spuds
And the raspberries, sans rasp.

You plucked a blackberry, dazzling white,
As we chanted a tuneless tune,
And I took a lucious, soulful bite
Of a pitless, skinless prune.

The cactus plant ne'er cackles now,
As its teeth have all been drawn,
And calm there falls upon your brow
The light of a sunless dawn.

In this dear place I would live for aye,
Discussing the whyless how,
And speeding the minuteless hours by,
From the path of the pastless now.

—Denver Republican.

Garman's Antipest

INSECTICIDE AND FUNGICIDE

For the Garden, Orchard and Greenhouse

Non-poisonous and harmless to vegetation.

Kills Green Fly, Aphides, Bark Lice, Thrips, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

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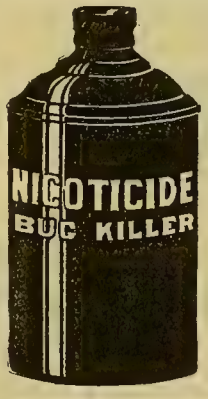

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ROSE GRAFTING AT PETER REINBERG'S, CHICAGO.

Peter Reinberg, Chicago.

When calling at Peter Reinberg's fine plant recently we found Foreman Collins and his staff busy in the throes of rose grafting. We noticed that both the wood used for grafting and the stocks were in excellent condition and the cases in which 50,000 of the most popular varieties are to be placed were filling up rapidly. No American Beauty is grafted here, but most of the other kinds that do better this way, such as Bride, Bridesmaid, Richmond, Mrs. Marshall Field and others. Besides the large amount of grafted stock about 500,000 cuttings are rooted annually and much of the stock is already potted and growing away.

In a hasty look around the houses the fine appearance of the American Beauty roses in the large sections devoted to this variety strikes one at once. The plants are clean and healthy and a heavy cut is being taken. The number of plants grown here is prodigious, but they have been given quite recently and we need not refer to this further now, but the condition of all the stock leaves nothing to be desired. The Bride is in full cut and the flowers are fine, while Bridesmaid is also in excellent condition, the flowers of perfect color and substance. Notwithstanding the heavy cut which has been taken for months, the plants are full of fine new growth and are making good from below in a remarkable manner. Mrs. Marshall Field is a lovely variety and is in crop, but so closely cut that few blooms could be seen. The demand for this fine rose is constantly increasing and a larger number than ever before is being grafted this season for home planting. Mr. Reinberg has not yet decided to give this rose to the

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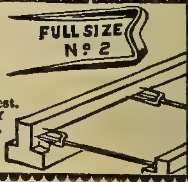

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PIPE Good serviceable second-hand. No junk. With new threads, 1-in., 3½c; 1¼-in., 4¾c; 1½-in., 5¾c; 2-in at 7½c per foot; 2½-in., 10c; 3-in., 14c; 4-in., 19c per foot; and new 2-in standard steam at 11c per foot. All kinds of fittings for 4-in. cast iron and all sizes wrought iron.

GLASS New American, 50 ft. to the box. 10x12, single, at $2.05; 10x12, 12x12, B double, $2.40 per box; 12x14 to 12x20 and 14x14 to 14x20, B double, $2.65 per box; 16x16 and 16x18, B double, $2.65 per box; 16x20 to 16x24, double, $2.85 per box; 12x24, B double, $2.90 per box.

GARDEN HOSE 50-ft. lengths, ¾-in., guaranteed, 8½c; for heavy work, guaranteed, 12½c.

HOT-BED SASH New; Gulf Cypress, 3 ft. x 6 ft., 80c; glazed complete, $1.60 up. Second-hand sash, glazed, $1.25, good condition.

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PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.

trade and will probably keep hold of it at least one more season.

In the carnation section the plants are in great shape and a large cut is on. Mrs. T. W. Lawson is still grown here in quantity and White Lawson is also very well done, large pure white flowers being taken. Enchantress, Rose Pink Enchantress and Winsor are grown in immense numbers. Beacon here, as in many other places, is largely taking the place of Robt. Craig, being much freer in growth and producing many more flowers to the plant. The propagating house is filled with healthy, well-rooted cuttings. Last year 1,300,000 were rooted and already this season 800,000 have been put in the sand. Everything around the portion of the plant we visited was in perfect order, the plants clean and healthy and all promising extremely well for the coming season.

Pistachio Trees at Indio, Cal.

Seventy-five pistachio trees have been sent to the government experimental station at Indio, Cal., and are in a promising condition. The trees are six months old, and received considerable backset from being disturbed in shipping, but they are now starting a new growth.

The pistachio nut is a native of Greece, but it is believed it is especially adapted to the Coachella valley and that it can be raised with profit there. There are three varieties, one of which bears the delicate green nut used for ices, creams, etc., and the other varieties are for flavoring and confections. The nuts do not appear until about the fifth year, and the tree does not come into full bearing until it reaches an age of six or seven years. The nuts sell at from $1 to $1.25 per pound, and an average tree will bear 25 pounds .

Orders From Everywhere.

AMERICAN FLORIST CO.—Please omit from my advertisement of chrysanthemum cuttings Glory of Pacific, Kalb, Willowbrook and Chadwick, as I am sold out of these varieties. Your advertisement does the business, as I have orders from everywhere, excepting the North Pole and Cape Horn, and suppose they are on the way.

JAS. HAMILTON.

A Good Investment.

AMERICAN FLORIST CO.—Please change our advertisement in your paper as enclosed. Sold out of the other size and had to turn down 14 customers that wanted them. That advertisement in your paper was a good investment.

M. J. GOELLER.

Trenton, N. J.

Perfectly Satisfied With Results.

AMERICAN FLORIST CO.:—Enclosed find check covering balance due you for advertising. Kindly receipt and return statement. I am perfectly satisfied with the results from my advertising in your paper and will trouble you again later on.

JAMES HAMILTON.

Advertising That Sells Goods.

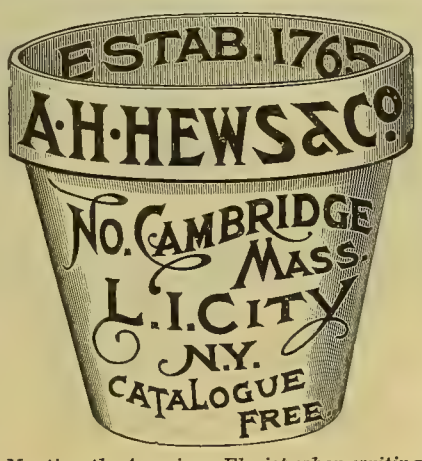
AMERICAN FLORIST CO.—Herewith find our check for $18 in full. From this expenditure we have sold over $600 worth of stock, with prospects for half as much more. We are very well pleased with the investment. FURROW & CO.

Only one Kind.

Up to date, 385 paragraphers throughout the country have referred to Copper King Heinze being in a pickle. Evidently there are not 57 varieties of this joke.

THE KELLER POTTERY COMPANY,
Manufacturers of FLORISTS' RED STANDARD POTS.
Azalea Pots, Bulb and Fern Pans, Etc.
Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.
Mention the American Florist when writing

The Ionia Pot is the Best Pot.
That's the reason why it was necessary to double our capacity in 1907 to take care of the trade of 1908. Our factory equipment is the best. Our output is the largest.
Hand your next season's order to Uncle Sam today. Our invoice will be in your hands on his return trip.
IONIA POTTERY COMPANY, Ionia, Mich.



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Standard Flower Pots!
Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2-in., in crate,	$4.88	120 7-in., in crate,	$4.20
1500 2¼ "	5.25	60-8 "	3.00
1500 2½ "	6.00	HAND MADE.	
1000 3 "	5.00	48 9-in., in crate,	$3.60
800 3½ "	5.80	48 10 "	4.80
500 4 "	4.50	24 11 "	3.60
320 5 "	4.51	24 12 "	4.80
144 6 "	3.16	12 14 "	4.80
		6 16 "	4.50

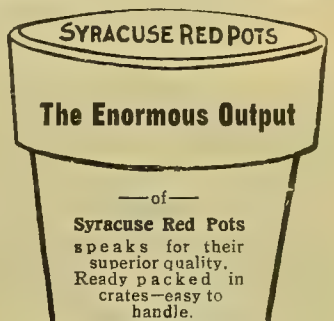
Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address
HILFINGER BROS. POTTERY, Fort Edward, N.Y.
or AUGUST ROLKER & SONS, New York Agents
31 Barclay Street, New York City.
Mention the American Florist when writing

STANDARD GREENHOUSE
Red Flower Pots.

size	Per 1000	size	Per 1000
1¾-in flower pots..	$ 2.60	3½-in flower pots..	$ 6.50
2 -in flower pots..	3.00	4 -in flower pots..	7.90
2½-in flower pots..	3.90	4½ in flower pots..	10.00
3 -in flower pots..	4.50	5 -in flower pots..	12.00
		6 -in flower pots..	20.00

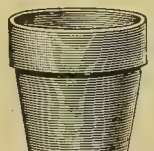
A. J. MARQUIS, Prop. Middleburg, Ohio.
Mention the American Florist when writing

GEO. KELLER & SON,
MANUFACTURERS OF
FLOWER POTS.
Before buying write for prices.
361-363 Herndon Street, near Wrightwood Ave., CHICAGO, ILL.



Mention the American Florist when writing

Kramer's Pot Hangers
For Sale by Wholesale Seedsmen, Florists and Supply Dealers.
Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.
I. N. Kramer & Son, CEDAR RAPIDS, IOWA.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Plants grow best in our Porous Pots.
STANDARD FLOWER POTS, Azalea Pans, Hanging Baskets, etc.
Send your orders early.

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Price list and samples on application.
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PADUCAH, KENTUCKY.

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"STANDARDS"
FULL SIZE AND WIDE BOTTOMS, BULB PANS AND AZALEA POTS.
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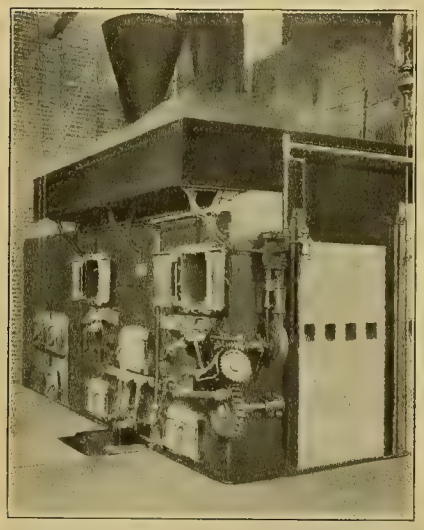
The Allied Trades

Descriptive particulars—with drawings or photographs, if possible—of any new apparatus or device which may prove helpful to the trade are solicited for this department.

Murphy Automatic Smokeless Furnace.

This is a device for automatic stoking and firing. Not only does it mechanically feed and distribute the coal, but it also removes ashes and refuse. It is adaptable to any size or type of boiler and is useful for steam-making as well as for all kinds of kilns and drying, burning, evaporating and calcining operations where very high temperatures are needed. There are coal magazines on either side of the furnace extending from front to rear into which the coal may be either machine or hand fed. Below is the coking plate against which the upper ends of the inclined grates rest. These are moved by a rocker bar at the lower end.

The motion is apparently applied to as many boilers as necessary by coupling



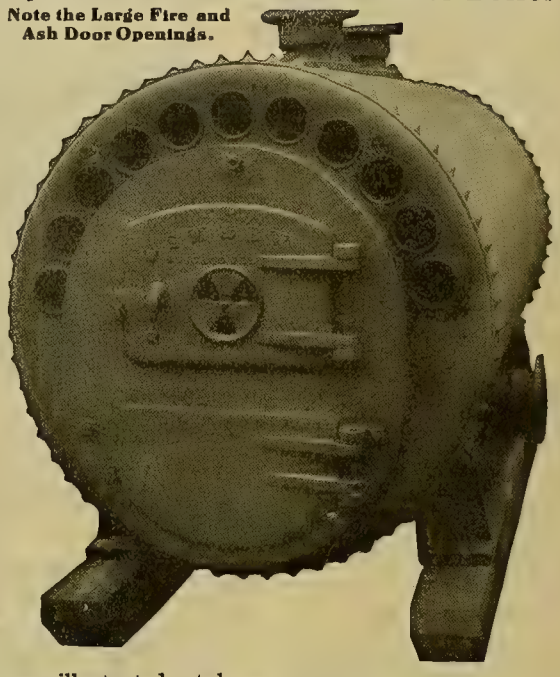
Murphy Automatic Smokeless Furnace.
At the F. R. Williams Co , Cleveland, O.

up the stokers on each, the steam pistons being at the end of the battery, though, presumably, this is capable of adaptation. Owing to the perfect coking of the fuel it is claimed that all volatile gases are mixed with air and consumed in the furnace before the coal is burned, thus ensuring the highest temperature and most perfect combustion with a low grade of coal. Another strong point in its favor is economy of labor, for even in a one-man power plant the fireman will be free a great part of the time for other duties. With this device it is also unnecessary to open the furnace doors, thus preventing a rush of cold air to the fires. The device is in use in large power producing and other plants in all parts of the world, repeat orders to the number of 32 having been sent in from a large steel works, where the first of the Murphy automatic furnaces was put in in 1890. It is manufactured at the Murphy iron works, Detroit, Mich., and the company have branch offices all over the United States, in Canada and in London, Eng.

THE SUPERIOR

Improved Internal-Fired Steel Boiler.

Note the Large Fire and Ash Door Openings.



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SUPERIOR MACHINE AND BOILER WORKS,

125 to 133 W. Superior Street.

Long Distance Phone Monroe 1008 **CHICAGO.**

Books for Florists.

DWARF FRUIT TREES (F. A. Waugh).—Their propagation, pruning and general management, adapted to the United States and Canada. It has 45 illustrations and 123 pages. 50 cents.

GREENHOUSE CONSTRUCTION (Taft).—It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 118 illustrations. $1.50.

THE ROSE.—Its cultivation, varieties, etc. (H. B. Ellwanger).—A complete guide of the cultivation of the rose, together with the classification of all the leading varieties. $1.25.

BEAN CULTURE (Sevey).—An excellent practical treatise on this important crop containing instructions on all phases of culture from seed sowing to harvesting and marketing. Profusely illustrated, 144 pages. 50 cents.

HEATING AND VENTILATING BUILDINGS. (Carpenter).—This book covers the entire subject most fully. In the preparation of heating and ventilating plans it will be found a most valuable guide. $4.00.

OUTDOORS (McGaffey).—A breezy little book of the woods, fields and marshlands. Interesting to the lover of outdoor sports, the fisherman, hunter or botanist. Readable from cover to cover.

AMERICAN FLORIST COMPANY,
324 Dearborn Street, CHICAGO.

STEEL RETURN TUBULAR

Steam BOILERS Water

WHAT F. R. PIERSON SAYS:

JOHNSTON HEATING CO., New York City.

Gentlemen —The internally fired steel boilers which you installed last fall are giving us great satisfaction. They heat very quickly and are very economical. We are exceedingly well pleased with them and they have more than met our expectations. Very truly yours, F. R. PIERSON CO.

Johnston Heating Co., 138 East 31st. St. **NEW YORK CITY**

Write for catalogue and prices.

MYERS & CO. BUILDERS OF

Modern Greenhouses

HEATING BOILERS.

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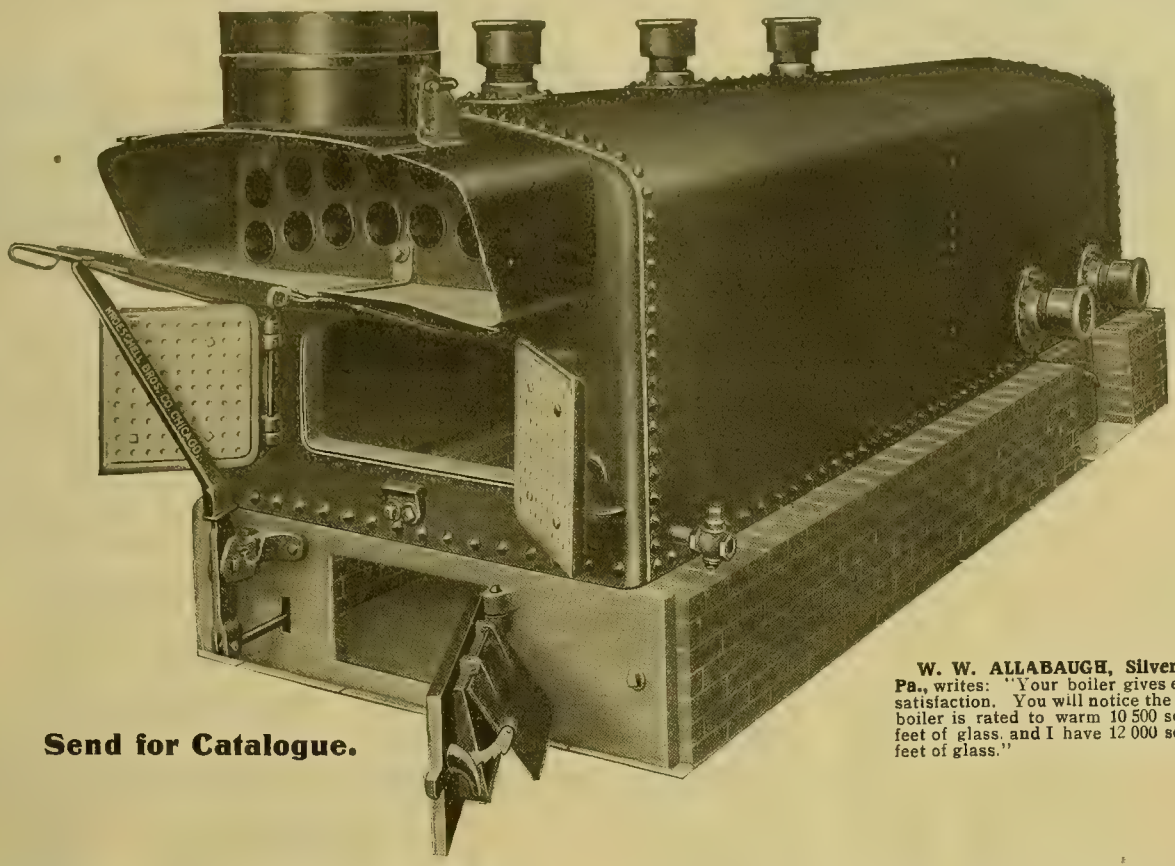
Kroeschell Boilers

Were installed for 4,286,500 sq. ft. glass in seasons 1906-1907. Can be seen in use in every state in the Union.



Send for Catalogue.

W. W. ALLABAUGH, Silverdale, Pa., writes: "Your boiler gives entire satisfaction. You will notice the No. 4 boiler is rated to warm 10 500 square feet of glass, and I have 12 000 square feet of glass."

"THE ONLY PERFECT HOT WATER BOILER."

Made in 16 sizes—our smallest for small greenhouses; one of our largest for 50,000 sq. ft. glass at rose house temperature when 15° below zero.

KROESCHELL BROS. CO., 45 Erie St., Chicago.

Hybribizing a la Chicago Record-Herald.

An eminent horticulturist they say has crossed the potato bug with the hen, to make the egg market brisker; has mixed the buckwheat stem with the sugar maple to produce self-siruped cakes; has grafted the sorghum cane upon the cornstalk to bring about corn bread and molasses with little labor; has budded the apple upon the jack oak to make apple-jack from the cider or tree drip without waiting for fermentation; has crossed the pepper and the box elder to bring an annual crop of ready-made pepper boxes, and added a little touch of the quaking asp to this already marvelous hybrid and thus provided a self-shaking pepper box right off the tree; has learned from the bloom of the hawthorn tree how to tell the he-haws from the she-haws; has combined the slippery elm and the ice-plant until he has produced an ideal wood for making toboggans and bob-sleds; has crossed the ironwood with the water birch and never caused a bit of rust; has crossed the dogwood and the pussy willow without any disturbance beyond a mere bark; has hybridized the tumbleweed with forest trees, so that the first strong autumn wind brings the lazy forester's water wood home to him without the stroke of an ax or even hitching up the team; has mingled the ragweed with thyme until the wind sings ragthyme through the branches of the mixture; has mingled the pollen of the honey locust, common locust and the wire grass until he will soon be able to supply the market with barbed-wire fence fresh from his fields—has even crossed a mountain-range with a burro and has great expectations of the results.

The Maidenhair Spleenwort.

One of the most charming of our native ferns may be gathered in midwinter, if one knows where to look for it, says the Philadelphia Record, and it is almost as common as it is charming. This is the maidenhair spleenwort, or, as it is more often called, the English maidenhair, though it is rather misleading to call it English, since it is found not only in Great Britain, but almost throughout North America. It is a small, delicately-made fern that loves the nooks and crannies of moist, shady cliffs, often growing in flat rosettes against the perpendicular sides of creviced rocks. Near Philadelphia it is unfortunately rather scarce nowadays, owing doubtless to the depredations of ruthless collectors. It may still be found in the Schuylkill hills, however, while in the more mountainous districts of the state, almost every rocky stream sings to its fronded colonies. People who keep a corner in their gardens for wild plants, will find the maidenhair spleenwort a contented denizen of a rockery.

European Horticulture.

FROM THE BRITISH TRADE PAPERS.

CYPRIPEDIUM SAN-AC-DERAE SUPERBUM.—The well known and now fairly common Cypripedium insigne Sanderæ has been outclassed. The improved form, or so-called improved form, was exhibited at the last meeting of the Royal Horticultural Society by Norman C. Cookson, Esq. (gardener, H. J. Chapman), Oakwood, Wylam-on-Tyne, when an award of merit was bestowed. Apart from slight differences of form, the yellow color is deeper than in C. insigne Sanderæ, which was one of the parents, the other being C. San-Actæus. As to the name, we are getting on in our nomenclature nowadays, are we not?

CYCLAMEN PRICES TOO LOW.—Overproduction, together with reckless competition, are held responsible for the fall in prices for cyclamens to a point below cost of production. Although one of the fastest selling items at the German plant markets they have ceased to bring figures adequately repaying for the expense and care entailed in their culture, so it is said.

Greenhouse Building.

Vincennes, Ind.—H. Zepf and Joseph Labo, 6,000 feet of glass in spring.

Portland, Me.—J. W. Minot, one greenhouse 45 x 150 feet.

Woburn, Mass.—Adam Foster, two greenhouses, 50x100 feet.

Attica, N. Y.—A. J. Pauley, two steel greenhouses, one 26x200 feet and one 16x100 feet.

Lynn, Mass.—Thos. Roland, Nahant, one greenhouse, 45x140 feet.

Atchison, Kans.—U. S. Bisel, one greenhouse.

Milwaukee, Wis—Gustave Pohl, one greenhouse, 25x100 feet; Chas. Burmeister, rebuilding several houses; C. C. Pollworth Co., several houses.

The Wholesale and Retail Florists both depend upon their refrigerators to determine whether their stock shall sell or stay in the store. McCray Refrigerators keep stock in such perfect, fresh and fragrant condition that it cannot help selling, and the McCray uses less ice than any other. It virtually pays for itself. The patented system of air circulation which cools all parts evenly, thoroughly, and with fresh, cold, dry air, is one of the features of

McCray Refrigerators

They are made in the most beautiful finish and substantial construction. They are lined with white enamel, or if you wish, you may have tile, opal glass, mirrors or marble.

There is a wide range of regular sizes of McCray Refrigerators for immediate shipment, although we build them to order for any requirement.

You should have our Catalog No. 71, which describes the detail of these successful and economical refrigerators for the florist.

McCray Refrigerator Company
760 Mill Street Kendallville, Indiana.

European Horticulture.

FROM THE BRITISH TRADE PAPERS.

BONEMEAL.—This is undoubtedly a fertilizer in which both the nitrogen and the phosphoric acid are sold at a very low price per unit. It has always been admitted that the nitrogen in bonemeal is in an available form. But as to the value of the phosphoric acid contained in this fertilizer there is some difference of opinion. Experiments conducted by some of the leading German agricultural chemists place the value at a little above that of mineral phosphates, which are, when in the undissolved condition, practically valueless as fertilizers, while the experiments conducted in Japan give it a very much higher value. Observations made in India also differ materially. A sample of coarse bonemeal applied on the surface under a covering of leaves disappeared in less than a year, while another sample of coarse bonemeal buried deeply was dug up after 28 years. Evidently neither the phosphoric acid nor the nitrogen is readily available when the bone is buried deep in the soil, and the whole question needs further investigation. This investigation is all the more desirable, as the ingredients of plant food contained in bone can be bought comparatively cheaply in that form, and as owing to the high percentage of iron and the very low percentage of lime in certain soils, superphosphates may not give relatively as good results as have been obtained elsewhere.

CANKERED (?) ROSE SHOOTS.—At the meeting of the Royal Horticultural Society's scientific committee on December 31, a report was received from Mr. Gussow concerning the rose roots shown at the previous meeting by Mr. Jenkins, as follows: "I find the trouble with the rose roots is not canker, and cannot be transferred from one plant to another. It is generally accepted that canker is caused (a) by frost, (b) by fungus, (c) by any other mechanical injury which fungi have infested. In the present case there is no fungus present, and if the root in the attacked plant (when repotting) is cut away no injury will be done to the plant. The growth is nothing but a continuous formation of adventitious roots, especially where the root is bent or injured. New callus is formed, and from that callus rootlets are everywhere sent out, but as the plant depends on the root system of the manetti no use is made of these roots, and they develop but little.

CYPRIPEDIUM FAIRIEANUM.—When Cypripedium Fairieanum caused such a commotion in the orchid world a few years ago not many would have cared to suggest that it would soon become comparatively common, yet such is the case at present, owing to large importations from its native haunts. The first variety of it, named Black Prince, was shown before the orchid committee of the Royal Horticultural Society December 10, 1907, by Sander and Sons, the well-known orchid specialists of St. Albans, when it received an award of merit. It is a handsome and distinct variety. The dorsal sepal is broader than in the type and is very heavily streaked with almost black crimson. The petals curve downwards, with the ends charmingly reflexed, the color being greenish streaks on a white ground. The lip is projected well forward and is of a brownish red color. Doubtless we shall soon be welcoming other varieties of this famous orchid.

DELPHINIUM CANDIDUM.—An interesting species belonging to a small group of delphiniums confined to the mountains of tropical east Africa. It is closely allied to D. Leroyi and D. macrocentron, and has large, pure white flowers with purple anthers and sweetly-scented, the perfume resembling that of the primrose; the leaves are palmately five-lobed, and measure four or five inches across the widest part. The plant figured in the Botanical Magazine was raised in the gardens of Hindlip Hall, from seed gathered by Lady Hindlip in 1904 between Mount Elgon and Kisumu, Uganda. D. Candidum is a perennial species, and dwarf in growth.

SULPHURIC ACID AS A FUNGICIDE.—We learn that a safe and useful fungicide, which is used with satisfactory results at the Royal Gardens, Kew, is a solution of sulphuric acid in the proportion of 1 to 1,000, or one pound to 100 gallons. This does not injure the plant, and completely destroys mildew and similar fungi. No harm will be done to pumps, etc., if a small amount of clear water is pumped through the apparatus at the conclusion of spraying. This should be done whatever solution is used, as the apparatus is then left in a clean condition.

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We are in special position to furnish "PECKY" CYPRESS; everything in PINE and HEMLOCK BUILDING LUMBER. WRITE FOR PRICES.

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Use our patent Iron Bench Fittings and Roof Supports.

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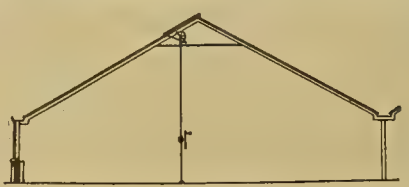
For Tobacco Extracts, etc. Send for Circulars.
DILLER, CASKEY & KEEN,
S. W. Corner Sixth and Berk Streets, PHILADELPHIA.

VENTILATING APPARATUS.

GARLAND'S GUTTERS
WILL KEEP SNOW AND ICE OFF YOUR GLASS
DES PLAINES, ILL.
SEND FOR CATALOGUE

A Section of our Gutter is on Exhibition at the Chicago Flower Growers' Market.



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—MANUFACTURERS OF—
Iron Frame Greenhouses, Re-enforcing for Concrete "Post and Board" Walls, Ventilating Machinery, Iron Fittings, Iron Purlins and Gutters for wood houses, etc.
Write for Catalogue and Designs.

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXX. **CHICAGO AND NEW YORK, FEBRUARY 8, 1908.** **No. 1027**

THE AMERICAN FLORIST

TWENTY-THIRD YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—FRANK H. TRAENDLY New York, president; GEO. W. MCCLURE, Buffalo, N. Y., vice-president; W. N. RUDD Morgan Park, Ill., secretary; H. B. BEATTY, Pittsburg, Pa. treasurer. Twenty-fourth annual meeting at Niagara Falls, N. Y., August, 1908.

THE NATIONAL FLOWER SHOW.

Grand exhibition of plants, cut flowers and floral art work to be held in Chicago November 6-15 inclusive, 1908. Wm. F Kasting, Buffalo, N. Y., is chairman of the general committee in charge and the chairman of the sub-committees are as follows:

EXECUTIVE AND FINANCE—Wm. F. Kasting, Buffalo, N. Y.

AMERICAN EXHIBITS—Philip Breitmeyer, Detroit Mich.

FOREIGN EXHIBITS—E. G. Hill, Richmond, Ind.

PREMIUM LIST—W. N. Rudd, Mt. Greenwood, Ill.

ADVERTISING AND PUBLICITY.

LOCAL MANAGEMENT PRIVILEGES AND CONCESSIONS—J. C. Vaughan Chicago

SPECIAL FEATURES—Otto G. Koenig, 6471 Florissant Ave., St. Louis, Mo.

RECEPTION—August Poehlmann care of Poehlmann Bros. Co., Chicago.

AUDITING—J. A. Valentine, care of Park Floral Co. Denver, Col.

TREASURER—I. C. Bertermann Indianapolis, Ind.

The above chairmen have power to select their various committees from the general committee of 50 or the members of the S. A. F. at large, as may be considered necessary.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition at Chicago, March 25-27, 1908. ROBT. SIMPSON, Clifton, N. J., president; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., secretary.

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AMERICAN CARNATION SOCIETY.

Conclusion of the Seventeenth Annual Meeting.

Wednesday Afternoon.

At the joint meeting of this society and the Breeder's Association, held in the afternoon of January 29, a paper was read by Prof. Alex. Graham Bell, which covered the wide field of improvement in races and species and was not confined to any special plant work. At the evening session it was voted to offer gold, silver and bronze medals for the coming National Flower Show at Chicago. S. S. Skidelsky read his paper on: "What the Buyer of a New Carnation Should Expect From the Originator," and a general discussion of the subject followed.

At 2 p. m., January 30, the delegates, with a number of their lady friends, assembled at the hall on G street and proceeded under the escort of W. F. Gude, to the White House. They were received by President Roosevelt with a short address of hearty and kindly greeting. A vase each of the carnations Alma Ward and Mrs. C. W. Ward were presented to the president. The delegates then proceeded to the steps of the U. S. treasury and were photographed in a body. The features of the afternoon and closing session were papers by Prof. J. B. Norton and Charles Willis Ward.

In addition to the election of the executive officers of the society, Peter Fisher was elected to fill the vacancy made by the resignation of Wm. Scott as judge. Wm. Nicholson was elected to succeed himself. J. S. Wilson was elected to succeed himself as a director.

The Banquet.

The banquet given in honor of the members of the American Carnation Society by the Washington Florists' Club was held at Ranscher's. The spacious hall was most beautifully decorated with the flower emblematic of this famous organization. On every side, on the tables, in bouquets and boutonnieres was the carnation. The decoration was by Gude Bros. Co.

Peter Bisset, president of the Washington Florists' Club, who welcomed his guests in a brief speech, said: "On behalf of the Washington Florists' Club, I welcome you. It is indeed a pleasure for me to state on behalf of that organization that we are very glad to have you with us. I will not take much of your time, however. The first toast of the evening is 'Our Country and President.' I am sure that after the pleasure we had this afternoon shaking hands with our beloved president, this toast has a new meaning to us, and I would ask that we all rise and drink to Our Country and President."

President Lemon said: "You here present are members of the American Carnation Society; you love the society, and therefore the few remarks that I will make will have a true and real meaning to you, even though they may be made in a halting manner. The society was organized 17 years ago, for the purpose of advancing the interests of the carnation. The chief aim was the improvement of the flower. The founders of this organization saw a grand future for the flower. The society includes members from all over the United States, and, I am happy to say, that the American Carnation Society is of such international interest that it includes members from Canada. There is no border, as relating to the American Carnation Society.

"I see a grand future for this organization. You have elected the coming year, as successor to my office, a man whose interests are primarily in the carnation. He is a man whom we all admire, and I feel certain that under his guidance, the American Carnation Society will advance to an even greater degree than in the past. I hope you will all come to the convention next year. We will welcome you to Indiana.

"I wish particularly to thank the members of the society for their help to me. And, I also wish to particularly thank our vice-president, Mr. Bisset, who has carried so great a part of the duties connected with this convention and with this society, and I am sure you will join me in thanking him for his great work in relation to this body. Let us remember, first, foremost and all

the time, to keep in mind the advancement of our society and the carnation, to bring exhibits to our next convention and do all in our power to increase the membership of the organization."

President-Elect M. A. Patten said: "I want to thank the people of Washington for this elegant time we have had here, and I hope next year in Indianapolis to have a large meeting and to see all of you there. We are going to have the greatest carnation meeting ever held."

Ex-President Dunlop then said: "A small delegation has come from across the border to enjoy the delightful entertainment afforded us here in Washington. We have thoroughly enjoyed this meeting. We have been helped and encouraged, and we want to extend to you that most cordial feeling we have for you. I hope that the convention of 1909 will be a successful one. I can say that from our end we will have a good delegation."

Robert Craig, of Philadelphia, said: "Horticulture includes all that grows out of Mother Earth for the use of men. Suppose it were possible for us all to be placed in a beautiful garden where there was no trouble, no disturbance. Would not that be a heaven on earth? Horticulture has always proved the source of the highest enjoyment. The most perfect rest can be found in the garden. Our first speaker spoke of the phenomenal progress of this great nation. We can also say that the art of horticulture is keeping pace with all other lines. We have at the head of the Department of Agriculture a great man. We can satisfy ourselves that the work of this department is going on well. We have here in Washington a man whom we all call the "Father of Horticulture." He presides over the National Botanical Garden. Everywhere in out of the way spots, we can find the results of this man's work, through the work of distributing seeds which he has done. It occurs to me that horticulture has advanced to a far greater degree than any other line of endeavor.

W. J. Stewart made several remarks about the work done by the press, about the endeavor made to present to the readers everything of value. He called attention to the fact that while the trade publications of other lines were of interest only to a few, the horticultural trade journals were of interest to every person imbued with a love for the beautiful."

W. F. Gude, Washington, said: "To me has been assigned the most beautiful toast of the evening. (Our Guests.) Your stay with us has been indeed most pleasing. I trust that you all have enjoyed yourselves to the fullest extent, and we wish for the American Carnation Society a happy and prosperous success and each and everyone of you good will and Godspeed for all time to come."

J. R. Freeman was absent on account of sickness, and C. W. Ward, of Queens, N. Y., responded to the toast of "The Ladies." He said in part that he was positive of the fact that any member of the American Carnation Society who did not love to look upon a beautiful woman, whether in face, figure or character, never did better than a third prize in the exhibition.

The presentation of the various prizes by President Lemon then followed.

GOLD MEDAL WINNING VASE OF ALMA WARD.
Exhibited at Carnation Conference by Cottage Gardens Co., Queens, N. Y.

M. A. Patten, as chairman of the final resolutions committee, then read the resolution reported by that committee, thanking in detail the members of the Washington Florists' Club, its officers, and the various speakers whose remarks had been so highly appreciated during the convention; as well as others. The seventeenth annual convention of the American Carnation Society was thereupon declared by President Lemon to be at a close.

The American Breeders' Association.

The work of the American Breeders' convention, co-incidental with that of the American Carnation Society, was important and took a wide range. At the morning session, January 30, the report on breeding forest and nut trees, written by Gifford Pinchot, was read by G. B. Sudworth. A paper on breeding cantaloupes was read by P. K. Blinn, of Rocky Ford, Col. David Coker, of Hartsville, S. C., read a paper on, "The Field for Economic Plant Breeding in the South." A resolution was adopted urging congress to investigate the question of quarantine of imported plants; the association being opposed to any hasty or radical action by congress in establishing such a quarantine.

The following board of officers was elected: James Wilson, secretary of agriculture, president; Charles Willis Ward, Queens, N. Y., vice-president; W. M. Hays, assistant secretary, Department of Agriculture, secretary; M. H. Gentry, Missouri, treasurer; H. H. Mowry, assistant secretary; H. J. Webber, Cornell University, chairman plant section; Prof. N. E. Hansen, Brookings, S. D., secretary plant section. Although the time and place is not yet fixed, it seems almost certain that the next meeting of the association will be held in Chicago.

MANY good varieties of carnations get the name of bursters that keep a perfect calyx under normal conditions of culture, but burst owing to too high feeding, too little air and other causes.

Notes on Varieties.

Creole Beauty.—Harlowarden type, brighter shade. Looks good to me for color.

Afterglow.—Shows up very fine in the different entries. Good, large flowers; fine stems and good color. Looks better to me than it did last year.

Alma Ward.—The finest and largest white shown; flowers four inches; good stems. Mr. Ward tells me he will not put cuttings on the market, but will keep and grow exclusively for his cut flower sales.

Mrs. C. W. Ward.—A grand pink, shade lighter than Afterglow. Flowers three and one-half inches; strong stems. Will keep same as Alma Ward.

Climax.—Enchantress type of flower; shade lighter than Rose Pink Enchantress. Appears to be a little soft.

Splendor.—This showed up in very fine shape, fine long, stiff stems; 3 to 3¼-inch flowers of a clear pink, shade of Mrs. C. W. Ward; rather heavily fringed. One of the best.

White Perfection.—As good as the best and still the leading white on exhibition table.

Aristocrat.—Showed up in usual good style. Kept well.

Winsor.—Showed up in fine shape in every entry. Fine color, good size and fine stems. Looks to be a good one for some years to come.

Andrew Carnegie.—Robt. Craig color; 3-inch flowers, on good, long stems. Beacon shape of flower, but more fringed. Looks fair.

Victory.—Holds its own as the best red with Beacon. Was shown up in good shape and flowers kept best of any in the hall. Will be a standard red for some time to come.

No. 32.—30-inch stems, 2½-inch, fine flowers, of good form. Color of Robt. Craig. Looks good. Exhibited by John Reimels.

White Enchantress.—As shown looks fine. Clear white, 3-inch flowers, on stiff stems, holding flowers up stiff. Undoubtedly a good commercial white.

AMERICAN CARNATION SOCIETY DELEGATES AT U. S. TREASURY, WASHINGTON, D. C. JANUARY, 1908.

PARTIAL KEY TO PORTRAITS.—(1) Pres. M. A. Patten; (2) Peter Bisset; (3) Robt. Kift; (4) F. R. Pierson; (5) F. Burki; (6) S. S Pennock; (7) Alex. Wallace; (8) Richard Vincent, Jr.; (9) J. E. Haines; (10) W. P. Craig; (11) J. R. Fotheringham; (12) Peter Fisher; (13) A. H. Langjahr; (14) John Walker; (15) Wm. Nicholson; (16) W. F. Gude.

Mrs. Tom Harvey.—Lawson type of flowers. Good size and fine stems. Color of Pink Imperial. Looks good.

Pres. Seelye.—Pure white, 3-in. flowers. Good stems; resembles Bountiful. Looks good.

Lieutenant Peary.—As shown looks well and showed up in good style.

Lady Bountiful.—Holds its own as one of the best whites. As shown flowers were hard to beat.

Apple Blossom.—Fine shaped; 3-inch flowers. White with delicate tints of pink on order of Mary Wood. The color is pleasing. Stems good.

Heacock's Seedling No. 100.—Seedling of Enchantress, which it resembles in form, and color of Rose Pink Enchantress. Can see very little difference between this and Rose Pink.

Beacon.—As shown is the best scarlet of the day. Flowers much larger than shown last year and better form. No doubt this is the leading scarlet.

Defiance.—Suffered in transit, went to sleep early. Is fine color and good form.

Harvard.—Very fine dark maroon or crimson.

Imperial.—Showed up in fine shape, but variegation is poor.

Sarah Hill.—The few shown looked fine and of good size. Pure white. Kept good. Looks good.

Rudd's White.—Arrived 24 hours late and was in excellent condition. Fine, well shaped, 3½-inch flowers, on good stems. Has the looks of a good one. Color clear white.

Rudd's Pink Seedling.—Large, close petaled, light pink. Looks good. Arrived late, but was in good condition.

W.

President Seelye may never prove a wonder as a prize winner, but for commercial purposes I will expect it to be heard from, early and often.

Viola Sinclair, another of H. W. Field's introductions, of the Lawson shade of pink seems to have good points and may yet make a record.

Bay State, as I saw it growing a year ago at the range of its originator, Albert Roper, was much superior to what we saw of it at Washington, though it is agreed that a growing carnation and one that has made a long trip are different propositions.

F.

Convention Notes.

W. N. Rudd's white seedling carnation caused many exclamations of admiration.

The American Carnation Society has brains behind it; see what good officers it always elects.

The Washington florists are hospitable and kindly men. May they have abundant prosperity!

Robert Craig, Robert Kift, S. S. Pennock and other Philadelphians arrived in time for the banquet.

W. N. Rudd's New White Seedling 1605 A.

Secretary McCauley, of the Florists' Club of Washington, is entitled to his share of credit. He worked hard.

The carnation flowers took on a fine summer doze the next morning and were mostly, as Willie would say, "on the bum."

When a man gives a special prize and drops in to see the flowers that won it, he should be able to find them without a guide.

The attendance at the regular sessions of the society was scattering, hardly enough around to keep the chilliness out of the air.

Those who went south for a warmer climate must have been disappointed. January 30 and 31 came near showing zero weather.

Ex-president Dunlop and the Canadian delegation made a fine body of men, and it is pleasing to note that they were popular.

President Lemon, Vice-President Bisset, Secretary Herr and Treasurer Dorner all worked hard, and their labors seemed to give general satisfaction.

Doubtless the parties having the matter in charge did the best they could, but it does seem strange that in a city like Washington, no more acceptable place can be found in which to hold a show than the National Rifles armory.

The attendance of visiting florists was good but I noticed comparatively few local florists in the hall. The Washington boys did not seem to warm up as they did at the last S. A. F. summer convention; perhaps it was the weather.

Many of the delegates visited the various government horticultural departments, notably the greenhouses of the propagating gardens and Department of Agriculture, and were well repaid. The crops of carnations and roses at both departments were very fine.

Mr. Rudd has the happy faculty of disposing of a carnation in a line and a half, but in some instances he seems severe.

Buyers were very shy, especially on the new sorts. The 1908 introductions will have to get busy if they run up big sales this spring.

A peculiar incident was the tie vote—Indianapolis vs. Pittsburg. Of 166 votes cast, 83 were for each city, Chas. S. Crall cut the knot by a motion that Indianapolis be chosen.

It will be both unjust and ungenerous to criticise the prize winners—their honors were fairly won. But, it does not follow that all those that did not win prizes are indifferent or worthless.

Special Exhibits.

W. P. Craig, Philadelphia, Pa., made a fine exhibit of the new rose Mrs. Jardine, which, after standing the wear of a three days' exhibit, were used in the decoration at the banquet at Rancher's with fine effect.

At the entrance to the hall, F. H. Kramer, of Washington, arranged an elaborate exhibit of his new rose Queen Beatrice with a border of Adiantum Brienii fern. The exhibit was greatly admired by all.

The E. G. Hill Co. exhibited the new red rose Rhea Reid which showed splendid qualities of stem and bloom.

William Sim of Cliftondale, Mass., exhibited his new single violet Boston, which attracted much attention.

F. R. Pierson Co. of Tarrytown, N. Y., in addition to the many prize winning carnations exhibited Nephrolepis superbissima.

J. A. Evans, representing the Quaker City Machine Co., of Richmond, Ind., exhibited specimens of his firm's greenhouse appliances.

The Lord & Burnham Co., of New York, greenhouse builders, was well represented.

The Morehead Manufacturing Co., Detroit, Mich., exhibited their steam traps and other appliances.

Kroeschell Bros. Co., of Chicago, specialists in greenhouse boilers, were well represented.

Special Prizes.

Besides the special prizes noted in our last issue, the following were awarded:

Bronze medal of the American Carnation Society for 100 blooms, any variety, any color.—The Cottage Gardens Co., Queens, N. Y., with Mrs. C. W. Ward.

Silver medal of the Society of American Florists for the best vase of 50 flowers of a variety not yet disseminated.—Cottage Gardens Co., for Alma Ward.

Bronze medal of the Society of American Florists for the second best vase of 50 flowers of a variety not yet disseminated.—R. Witterstaetter, Cincinnati, O., for Afterglow.

CARNATION AFTERGLOW.

Five dollars cash, given by John Robertson, Washington, for 25 blooms Winsor.—Cottage Gardens Co.

Silver cup, given by James J. Harty to the exhibitor making the largest display—all vases counted.—Chicago Carnation Co., Joliet, Ill.

Ten dollars in gold, given by Z. D. Blackistone, Washington, for best 50 blooms of white carnations, distinct from other entries.—Chicago Carnation Co.

Cup or stein, given by C. A. Goldsmith, jeweler, Washington, for 50 blooms of red, distinct from other entries.—Cottage Gardens Co.

Vonderheide cup.—R. Witterstaetter.

Barry & Whitmore cup.—S. C. Briggs, Washington.

CERTIFICATES.

Preliminary certificate to M. A. Patten for No. 46-205.

Certificates of merit to Joseph Heacock, Wyncote, Pa., for No. 100-86, and to H. W. Field, Northampton, Mass., for President Seelye.

Those Present.

John Barrey, Washington, D. C.
A. Baur, Erie, Pa.
Albert Batley, Maynard, Mass.
T. S. Beattie, Philadelphia, Pa.
John Bertermann and wife, Indianapolis, Ind.
John Birnie, W. Hoboken, N. J.
Peter Bisset, Washington, D. C.
Z. D. Blackistone, Washington, D. C.
F. W. Bolgiano, Washington, D. C.
J. W. Brown, Richmond, Va.
Fred Burki, Pittsburg, Pa.
Geo. C. Buxton, Nashua, N. H.
Geo. H. Cooke, Washington, D. C.
Jos. W. Cook, Baltimore, Md.
J. D. Copley, Scranton, Pa.
Chas. S. Crall, Monongahela, Pa.
L. B. Crall (of Lord & Burnham Co.), New York.
Eugene Dailledonze and wife, Brooklyn, N. Y.
Edward Dale, Brampton, Ont.
F. E. Dorner, Lafayette, Ind.
C. P. Dudley, Parkersburg, W. Va.
T. W. Duggan, Brampton, Ont.
John H. Dunlop, Toronto.
M. Elmhurst, Lancaster, Pa.
John A. Evans, Richmond, Ind.
A. F. Faulkner, THE AMERICAN FLORIST.
Wm. Fendley, Brampton, Ont.
H. W. Field, Northampton, Mass.
Peter Fisher, Ellis, Mass.
J. R. Fotheringham, Tarrytown, N. Y.
J. R. Freeman, Washington, D. C.
B. T. Galloway, Washington, D. C.
W. B. Girvin, Leola, Pa.
S. J. Goddard, Framingham, Mass.
Adolphus Gude, Washington, D. C.
W. F. Gude, Washington, D. C.
Alex. J. Guttman, New York.
John E. Haines, Bethlehem, Pa.
J. J. Harty, Washington, D. C.
Joseph Heacock, Wyncote, Pa.
E. H. Heake, Brampton, Pa.
Albert M. Herr and wife, Lancaster, Pa.
W. Howard, Milford, Mass.
F. W. Kelsey, New York.
F. H. Kramer, Washington, D. C.
Charles Krost, Richmond, Ind.
H. J. Krueger, Meadville, Pa.
T. P. Langhans, Pittsburg, Pa.
Alfred H. Langjahr, New York.
F. Lautenslager (of Kroeschell Bros. Co.), Chicago.
W. J. Lawrence, Eglington, Ont.
Fred H. Lemon, Richmond, Ind.
E. F. Licker, Landsdowne, Pa.
Thomas McCormick, Baltimore, Md.
Robert McLellan, Washington, D. C.
J. J. McManmon, Lowell, Mass.
Wm. Meine, Richmond, Ind.
L. C. Midgley, Worcester, Mass.
F. H. Mitchell, Waterville, Me.
E. W. Neubrand, Tarrytown, N. Y.
Wm. Nicholson, Framingham, Mass.
Peter Olsen, Joliet, Ill.
M. A. Patten, president.
E. A. Peirce, Waltham, Mass.
Henry Pfister, Washington, D. C.
F. R. Pierson, Tarrytown, N. Y.
August F. Poehlmann, Morton Grove, Ill.
C. P. Potter, Wilmington, Del.
A. T. Pyfer, Joliet, Ill.
James Quinn, Washington, D. C.
John Reimels, Woodhaven, N. Y.
S. J. Reuter, Westerly R. I.
H. R. Rohrer, Lancaster, Pa.
W. A. Rowlands, Utica, N. Y.
Edward S. Schmidt, Washington, D. C.
Geo. C. Shaffer, Washington, D. C.
Charles H. Sieck, Baltimore, Md.
Wm. Sim, Cliftondale, Mass.
G. H. Sinclair, Northampton, Mass.
S. S. Skidelsky, Philadelphia, Pa.
Charles E. Smith, York, Pa.
Thomas G. Steverson, Govanstown, Md.
E. A. Stroud, Philadelphia, Pa.
Charles S. Strout, Biddeford, Me.

E. Sutermeister, Readville, Mass.
Malachi Tierney, Highland, N. Y.
T. J. Totten, Saratoga Springs, N. Y.
Frank H. Traendly, president S. A. F.
Richard Vincent, Jr., and wife, Whitemarsh, Md.
John Walker, Youngstown, O.
Alex. Wallace, New York.
C. Warburton, Fall River, Mass.
C. W. Ward, Queens, N. Y.
William Weber, Oakland, Md.
Patrick Welch, Boston, Mass.
James S. Wilson (of Vaughan's Seed Store), Chicago.
R. Witterstaetter and wife, Cincinnati, O.
John L. Wyland, Pittsburg, Pa.
Alex. Young, Washington, D. C.
John Young, New York.
N. Zweifel, N. Milwaukee, Wis.

Points on Carnation Breeding in America.

BY C. W. WARD.

Though I have devoted a considerable time to the breeding of carnations and to the study of them during the past 14 years, in view of the complexity of the subject and my lack of scientific knowledge, I feel diffident in placing my views before a conference composed of the most advanced scientific talent of the world. I shall not attempt to enter into a scientific discussion of the subject, but will endeavor to state in plain language what seems to me to have been thus far accomplished.

As most florists know, the original carnation, which has been known in history for several centuries before the Christian era, was a five-petaled single bloom about one inch in diameter and of a pinkish-mauve color. It was distributed in its wild state over the whole southern half of the temperate zone in Europe, but was known more particularly to historians as inhabiting France and northern Italy. It was found in abundance in Normandy, from whence it is generally believed to have been introduced into Great Britain about the time of the Norman conquest. Even so recently as 1874 it was found in a wild state covering the Castle of Fallaise, in which William the Conqueror was born. It was described by Theophrastus as early as 300 B. C., and has been frequently mentioned in history since that date.

The carnation of today, the subject upon which I am working, is the product of several centuries of hybridization and culture. It is an open pollinated species, and mother plants can be chosen from amongst hybrids, as well as by inbreeding upon the same plant or upon plants of the same variety. A variety once produced from seed is easily perpetuated for a certain period by propagation from cuttings which are easily rooted and usually secured in abundance. Improvements in varieties may be made by bud-selection, and new varieties are sometimes secured by bud variation (sports), as well as from seed variation and by hybridization.

In raising varieties from hybridized seed very few improvements are produced, the proportion being about one good variety for every 1,000 hybrids grown, and probably as little as one decided advance in each 5,000 or 10,000 hybrids grown; and unless some law is discovered, whereby we can forecast more surely than we now can what certain specified hybrid seed will produce, it would seem as if even this low proportion of valuable new varieties would decrease rather than increase in view of the higher standard which is being demanded from year to year.

COLOR STUDY.

Up to the present time I have been pursuing my studies in breeding upon the single subject of color alone, basing my work upon the theory that any laws developed in color would hold good when applied to the development of other qualities; and this hypothesis I still believe to be correct. The tools used are very simple, consisting only of a pair of delicate tweezers and a microscopic magnifying glass. I used to employ a fine camel's-hair brush for transferring the pollen, but eventually abandoned it, as I found the use of the tweezers less difficult, and speedier work could be done than with the brush.

In hybridizing the carnation the first step is to remove all the anthers from the mother flower before they develop, and to watch the pistil until it is in a proper receptive condition. The anthers of the selected male parent are watched until just bursting, and the pollen is in the condition of a dry powder. The anther is then removed by means of the tweezers, and the pistil of the mother flower is fertilized by lightly touching it along its entire length with the pollen-bearing anther. Conception generally takes place within 24 hours after this operation provided the conditions are favorable. In order to pursue my color studies with reasonable method I have divided the work into the following sections:

(1) Fancy section, comprising all varieties peculiarly marked, of various colors.

(2) Purple and blue section, comprising all purple flowers and any which may show a tendency towards blue in color.

ROSE QUEEN BEATRICE.
Exhibited at Carnation Conference by F. H. Kramer, Washington, D. C.

BRONZE MEDAL WINNER, MRS. C. W. WARD.
Exhibited by the Cottage Gardens Co., Queens, N. Y.

(3) Crimson and maroon section, comprising all shades of crimson, maroon or scarlet-maroon.

(4) Scarlet section, comprising all shades of red and scarlet.

(5) Light pink section, including all shades of salmon, flesh or Daybreak tints.

(6) Dark pink section, including all rose, cherry and deep pink tones.

(7) White section.

(8) Yellow-variegated section, including all varieties having a yellow ground with scarlet, crimson or pink markings. I have not as yet been able to establish a pure yellow section, for even though the seedling plant may give pure yellow flowers for a time, as soon as propagation is carried on to any extent, more or less variegation appears.

(9) White-variegated section, comprising all varieties with white grounds marked with various colors.

(10) Pink-variegated section, comprising all varieties having a pink ground of any shade with markings in deeper colors.

In the purple and blue section I have not as yet succeeded in producing anything that might be termed a blue; for, although we have had several varieties showing a distinct blue shade there has invariably been enough pink in it to convert the tone into a purple or a mauve. The crimson, dark and light pink, scarlet, and white sections have been fairly well fixed; but the yellow, white and pink variegated, and blue sections will be very difficult to fix, as they are essentially mosaics, and there is a constant tendency towards variation in all their progeny.

In order to render the study of pedigrees easier, I have devised a system of bench cards which are used as labels tied to each variety under experiment, and which at the end of the season are filed away in a card index, thus preserving all of the original records made in my work. I find this system exceptionally useful, as it enables one to determine at a glance the pedigree of any variety when working upon it. My object has been to study out some system whereby the color tones might be purified, and rendered more brilliant or delicate and more pleasing to the eye; and while I have paid some considerable attention to size of flower, freedom of bloom, integrity of calyx, length and strength of stem, and fragrance, the purity of the color has been my first consideration. In order to develop more brilliant shades, I have, as a rule, confined my crosses to plants both bearing flowers of the color which I desire to improve: That is to say, crimsons were crossed with crimsons, light pinks with light pinks, dark pinks with dark pinks, whites with whites, and so on; and the result seems to indicate the following hypothesis, viz., that the percentage of color contained in the parentage for several generations back controls to a very large extent the color of the progeny. I do not, of course, mean that by using parents on both sides that have practically a scarlet pedigree for several generations back all scarlets will be invariably produced, but that where such parents are used, the chances of securing the improved scarlet color desired are greatly increased. True, the progeny of such parentage frequently show many shades varying from the red or scarlet, such as pinks, maroons, purples, and even white and yellow grounds with more or less variegation of all the colors mentioned.

Again, a cross between a white variety, having practically a white pedigree for several generations, frequently produces scarlet flowers; but, as a rule, such scarlets are not as brilliant or persistent as those produced from plants having only scarlet pedigrees. One of the best ways of proving this hypothesis is to take two scarlet parents, the pedigrees of which are mainly white. By crossing these, very few scarlets will be produced—sometimes none at all—but a large percentage of the progeny will frequently be pure white, or white grounds marked with scarlet or various shades of pink. I have sometimes thought that by taking a scarlet variety of comparatively pure scarlet pedigree and crossing it with a white variety the pedigree of which is largely scarlet, more clear and persistent scarlet tones are produced than where the pure scarlet pedigrees are used. For I have often found that with pure scarlet pedigrees there is a tendency for the color, even though it be very brilliant, to blacken, or turn a slaty shade when exposed to bright sunshine. While I have not been able to prove to my satisfaction that this hypothesis is right, there still seems to be evidence enough to warrant the assertion that if you desire free-blooming habits, use parents having early free-blooming habits. The same should hold good if you desire to produce varieties with extra large blooms, or perfect calyx, or any other peculiarity in habit or form of flower; it also seems to hold good in regard to fragrance. Again, the early-blooming varieties usually have small to medium-sized blooms, and the very large flowering varieties are generally late and inclined to be shy bloomers. This can to some extent be overcome by crossing large-flowering late-blooming varieties with the early free-blooming ones which have the largest blossoms. This, if followed up, will in the end produce large-flowered early-blooming varieties. Working on these lines, I have already succeeded in producing Alma Ward, which, under our intensive culture, gives flowers ranging from two and one-half to a little over four inches in diameter on stems from two to three feet in length, according to the season; and these flowers are produced in sufficient abundance to make the variety very profitable commercially. It is also a fairly early bloomer, coming into flower by October 1. This variety was obtained by crossing Prosperity, a large-flowered, not very free variety, with a white seedling having a very large flower and long stems, and quite a free bloomer.

PARENTAL INFLUENCE.

Peter Fisher, the raiser of Lawson and Enchantress, two of the most satisfactory of our American commercial varieties, secured his strain from crosses between Daybreak and a sport of Tidal Wave, two quite large-flowered very free-blooming as well as early varieties. In Lawson a curious blending of the qualities of both parents may be observed. Daybreak is a long-stemmed variety; Tidal Wave usually has quite short stems in the early part of the season, but as the season advances they become as long as those of the parent Daybreak. Double flowers may be produced by crossing single blooms with pollen from very double ones, and the more double the pollen parent is, the greater seems to be the proportion of double flowering seedings produced. Studies of color characteristics during the past 12 years seem to have determined—that the male parent does not exercise any paramount or dominant influence—but that either male or female or both may determine the dominant characteristics of the progeny.

In the case of seedlings used from other hybridizers, I am not able to give the color parentage, but expect if we had such color parentage it would not tend to change the results. My conclusions from these studies have led me to believe that it is not either parent that exercises dominant influence upon the hybrid, but there may be several elements which tend to control the characteristics in the hybrid. As for instance, the total percentage of the characteristics of a number of ancestors which may be illustrated as follows: Supposing that crossing a dark pink upon a white, 60 per cent of the ancestry on both sides was dark pink, the chances to secure a dark pink in the hybrid would be largely in proportion to the percentage of dark pink existing in the ancestry on both sides. On the other hand, supposing that we crossed a white with a white which had a large percentage of dark pink in the ancestry, and, as the result of said cross, we produced a large percentage of whites. This might tend to show that the condition of the chromasomes in the cells exercised the paramount influence in

NEW ROSE MRS. JARDINE.

determining the characteristics produced in the hybrid. Now, it might be possible to take different individuals, the result of the same cross, all of the individuals being white, the crossing two individuals might produce a large percentage of whites, while crossing two other individuals, all being white, might produce a large percentage of pink. This would again tend to prove the theory that the condition of the chromasomes in the cells of the individuals might exercise the paramount influence.

There is another peculiar thing that seems to be the case in regard to crosses between the same individuals, and that is that crosses between such individuals made at different periods of the year when the plants were growing under somewhat changed conditions produce different results. This might lead us to the theory that the condition of the individuals at the time that impregnation takes place may exercise paramount influence over the characteristics of the progeny. This theory might seem to be proven by the results obtained in the production of mankind where a dozen children, the result of the union of two individuals and born at somewhat widely different periods present widely different characteristics, both mental and physical as well as in appearance.

My impression is that it will take several years' study in order to determine the question. Possibly it may be necessary in continuing my experiments to segregate the female blooms in apartments by themselves so as to prevent the chance of a foreign grain of pollen alighting on the pistil, as this might explain some of the apparnt idiosyncrasies in the results obtained in my work.

CROSSING DIFFERENT COLORS.

The summary of the results of crossing different colors may prove very interesting. For instance—where crimson was crossed with crimson the results produced 12 crimson and five scarlets; where dark pink was crossed with dark pink, 37 dark pinks were produced; where scarlet was crossed with scarlet, 10 scarlets were produced; where white was crossed with crimson, five whites were produced and only two scarlets; where white was crossed with white, 34 whites were produced, and only one white variegated with pink, there being no solid colors. Where white was crossed with crimson, five whites were produced and two scarlets, the balance being divided between dark pink, flesh pink and crimson, but where white was crossed with dark pink, the result was three pure whites.

There is another element in making up these studies which may interfere with their value in deciding the question of paramount influence and that is that only varieties that possessed a number of representative characteristics were preserved and records kept of them. There is a great mass of material that was thrown away, and in making these crosses we were constantly selecting plants possessing all the characteristics desired. I am inclined to think that the fact that we threw away a lot of useless material will not change the result. For instance, taking the result of crossing white with white, there were saved for observation from these crosses 34 whites and one white variegated with pink, as all the white parents of both sides were selected not only for their good color, but also for size and form of flower, integrity of calyx, healthy constitution, stiffness of stem, vigor of growth, and also for freedom of bloom. The fact that 34 whites were selected for trial as against only one white variegated with pink and that the results of these white crosses did not produce anything in solid colors that were worthy of selection for trial would seem to indicate that whatever laws exist in regard to the influence of the parents upon the progeny would finally prove to be applicable not only to color but to all other characteristics.

Now, when we come to the consideration of pure crosses which we might specify as crosses between males and females of the same color, we find the following remarkable results: A cross of white upon white produced 34 whites against one other color; a cross of light pink upon dark pink produced six light pinks as against four of other colors; a large number of crosses of dark pink upon dark pink produced 37 dark pinks against 24 of other colors; a cross of scarlet upon scarlet produced 10 scarlets. All of which would tend to indicate that by using two individuals possessing the same characteristics, the chances to reproduce a large proportion of these same characteristics are very much enhanced. This might be shown very nicely in the cross of crimson upon scarlet, which produced 12 crimsons and five scarlets as against three of other colors. In this case it is probable that there was considerable crimson blood in the ancestry of the female parent.

The cross of crimson on crimson need not be taken very seriously, as it is the result of but a very small number of seeds, and I am inclined to think that there was considerable scarlet blood in either one or both of the crimson parents. Of course when we make mosaic crosses, such as white upon scarlet, pink, crimson, and other colors, we must expect a breaking up of colors in the progeny, and where we cross two of the same color we must expect more or less breaking up of colors in the progeny, especially where the immediate ancestry contains parents of widely varying colors.

Referring to examples of individual crosses, suppose we take cross 2313/07, a scarlet upon white. It will be noted that in these notes the pollen parent is mentioned first, as some other hybridizers mention the female parent first. Now, the color parentage running back for some 10 or 12 years, shows that on the male side there were six dark pink, six yellow variegated, five crimsons, three whites, two scarlets, one light pink and one white variegated. This pedigree is made up without reference to the nearness of any of the individuals of any particular color being particularly near to the seed and pollen parents, but it simply indicates that among the male parentage of both sides six dark pinks occur, etc., while, on the female side, five dark pinks, three crimsons, one scarlet, four whites, five white variegated and two white flaked occur. Assuming that dark pink and crimson, purple and scarlet would tend to produce dark pink or scarlet, we should naturally anticipate a large number of dark pinks or scarlets, whereas we get only one dark pink, one scarlet and one white. This indicates that other influences than the percentage of the same characteristics in either or both of the ancestors may determine the characteristics in the hybrid.

The results of these experiments and the study thereof has led to the conclusion that neither parent exerts predominant influence in determining the characteristcs of the progeny, but that said characteristics may be determined from either side of the parentage or may result from modified characteristics of both parents as well as both ancestry.

ROSE RHEA REID.
Exhibited at Carnation Conference by the E. G. Hill Co., Richmond, Ind.

Experiments in Carnation Growing.

Dr. Beverly T. Galloway, chief of the Bureau of Plant Industry, in his address before the society called attention to the experiments and tests of various kinds connected with the growing of carnations which have been carried on by the Department of Agriculture for several years. He stated that the work had for its object the securing of information on the following points:

(1) The relative yield and vigor of plants grown under glass all summer as compared with plants of the same variety grown outdoors during the summer season and moved to the benches in the usual way and at the usual time.

(2) Fertilizer tests to determine the value of different fertilizers alone and in various combinations on vigor and yield.

(3) A study of hereditary tendencies in so far as same may affect continuous vigor and healthfulness and yield.

(4) The securing of new and desirable types by crossing.

(5) A study of fundamental questions of breeding with a view to securing data that will be of value to carnation growers and others in the improvement of their crops.

(6) A study of diseases and means of preventing the same.

Dr. Galloway took up the subjects in the order given, using a table or chart, large enough to be seen by all present, to illustrate the results of experiments conducted during the summer of 1906 and the winter of 1907, to determine the relative yield of field and indoor grown plants. He explained how the experiment had been conducted, namely, that plants were propagated from stock of four varieties, care being taken to have the stock of as nearly equal vigor and productiveness as possible. Four benches in the greenhouses were given over to the work, each holding about 1,000 plants, and the same were planted with stock from 3-inch pots, two rows the entire length of each bench being reserved for the plants grown outdoors. Dr. Galloway stated that the field grown plants were given the usual treatment and produced fair average growth, but were not as large as those grown on the benches when brought in in September.

He stated that the results, as shown by the chart, were, without exception, very much in favor of the indoor grown plants, in many cases the increase being over 100 per cent. He added, however, that while the results were so strikingly in favor of growing plants under glass the season through, from the standpoint of the department, other considerations have to be kept in mind, such as the relative cost of the two methods, the production for an entire season, the utilization of the houses for other purposes, maintenance, etc., in determining which method to pursue.

The speaker also used the chart to illustrate his remarks upon the fertilizer experiments which the department had carried on. He said that this experiment had been planned to bring out, if possible, the fact that growers as a rule are too prone to count on the value of commercial fertilizers in crop production, and he said he believed the results of the experiment would show that there is no fertilizer so good, reliable and sure as well decomposed organic manure—something which could be secured anywhere in the country. He said, however, that experiments of this kind to be conclusive, must be carried on for a number of years in various places. He cautioned the growers to go slow on commercial fertilizers and to put their faith and work into good composts.

He explained the work the department had been doing in its study of hereditary tendencies in plants in so far as same may affect continuous vigor, healthfulness and yield. He said the question of whether there is true bud variation was still an open one, but that at the same time he did not think the importance and value of careful and rigid selection of stock could be questioned. This the department has been doing and he stated it was its intention to continue this selective work for several years until the effects could be fully demonstrated.

The speaker mentioned the work the department had been doing in the production of new types by crossing and referred to some of the crosses that might be seen in the greenhouses. He said that Prof. Norton, whose talk was to follow his, would explain in detail the fifth line of work, namely, a study of fundamental questions of breeding, which work he stated had been carried on by Prof. Norton before leaving the department. Dr. Galloway now took up the sixth line of work that the department had been conducting, namely, an investigation of the diseases of carnations. Among the diseases studied was the wet stem rot, due to rhizoctonia, which he stated continues to be one of the most serious diseases with which the growers have to contend, but that it could be controlled by growing the plants in well drained and well aerated soil containing plenty of lime, and by avoiding mechanical injury to the plants. He also mentioned the dry stem rot, a disease caused by fusarium—one of the wilt fungi, and stated that the only remedy for this disease was to use sterilized soil and the liberal use of acid phosphate.

Two other diseases to which attention was called were the macrosporium spot, which he said could be prevented by spraying with Bordeaux mixture, and the bacterial spot, a disease occurring only in wet seasons on the softer leaved varieties. This disease he stated might be controlled by light syringing with a mixture of two parts commercial formaldehyde to 1,000 parts water. Dr. Galloway closed his remarks by assuring the society that the department was always at its service and with an invitation to its members to visit the department greenhouses.

[An analysis of Dr. Galloway's table will appear in our next issue.—ED.]

Chas. C. Leedle, Springfield, O.

See page 82

THE CARNATION.

Carnation Winsor.

ED. AMERICAN FLORIST:—

In a recent issue "Penn" refers to the successes and failures attending the cultivation of the carnation, Winsor, a variety as meritorious in my opinion as any now being grown. The points he makes in his article are good. The fact that Winsor or any other of our really standard varieties is capable of securing the highest honors at our shows is an evidence of merit that cannot be overlooked, even if it is found that some growers cannot succeed with it. The advice of "Penn" to give it identical treatment with Lawson may or may not cure the defect, depending on what is understood as identical treatment.

If one is guided solely by the thermometer and the house is kept at proper Lawson temperatures, he will have given similar but not identical treatment. But, for my part, I would prefer to give any variety a soil as similar as possible to the one upon which it was developed and with this start I feel sure that I could soon discover the best temperature and moisture conditions.

It is an established fact that while variations of climate are conducive to producing marked changes in plant forms, it has been widely noticed also that a plant developed in a given soil will frequently take on a different form when grown in a soil considerably heavier or lighter than the one in which it was developed, though the climatic conditions remain practically unchanged. This has been clearly demonstrated with a number of field crops and garden vegetables, and is well recognized throughout the great wheat, corn, tobacco and cotton growing sections of our country where no progressive farmer would think of planting a variety that was not adapted to his soil. While good cotton soils may vary considerably in their texture in the same locality, by planting different varieties, adapted to the soil differences, as good yields are obtained whether the soils be of a lighter or a heavier sort. To plant a variety developed on one kind of soil upon a soil of different character is to court disaster. Truck farmers are familiar with the effect of soil upon varieties, and its influence is perhaps more marked upon vegetables than upon field crops. Now would it not be well if, before introducing a novelty into our houses, we would consider this phase of the question and ascertain something of the soil conditions under which the new variety was produced?

Surely it would be far better that our choice of novelties should be restricted to the productions of those introducers who grow under as nearly identical conditions as we have in our own houses than to meet with disappointment or even to risk it. It is not alone the price paid for the stock at the outset that counts but the loss of time as well. We cannot change our location and our soil to suit a new variety, but we can select a variety to suit our conditions, and by so doing reduce very materially the chances of failure. Moreover, by this means much will be done for doing away with the style of criticism of both the introducer and the plant that is quoted by "Penn". C. L. G.

THE ROSE.

Notes on Tea Roses.

PROPAGATING.

Blind or flowering wood is equally useful for cuttings and different growers prefer different sizes. Some take two, some three eyes. A keen-edged knife should be used, and the cut should be short and clean. Insert the cutting about half way between the surface and the bottom of the bench where the heat and moisture will be uniform. The temperature of the sand should be about 60° and the temperature of the house 56°. The lower temperature of the house retards the buds while roots are forming. The cooler the cuttings are rooted, the quicker they act after being repotted. During bright weather the cutting bench should be sprayed several times a day; the moisture of the foliage will greatly help the formation of roots. In about

four weeks they should be ready for potting.

As soon as the roots are from one-quarter to one-half inch long the cuttings should be potted. Two to 2¼-inch pots are right for Bride, Bridesmaid and Killarney. The soil should be a fibrous loam, four parts of soil to one part of rotted manure. This should be screened through a ½-inch mesh. In potting get the roots as near to the top as possible, and do not press too hard; only keep the cuttings standing firmly. Place them in a bench on coal ashes, water with a rose spray and shade them at once. The shading should be removed at night and on some cloudy days. Keep the soil moist, not soaked, and keep the rose house temperature at 58° at night with a rise of 10° or 15° in the day time.

PLANTING.

When the benches are filled and the soil well pulverized, spread bone evenly (about a pound to the running foot of bench) and mix it well by hand. If there are any rough pieces, the bone is well broken up. We prefer early planting and selection of good stock. A sickly plant is discarded and sound ones are planted firmly without damaging the ball of roots. After a bench is planted water carefully around each plant without soaking the whole bench. The houses should be planted in June, or not later than July.

Much of the success or failure of the crop is attributed to the care taken of young stock. The main effort should be to get healthy stocky growth by timely cultivation, watering, ventilating and feeding. The cultivation should be continued until the feeding roots reach so close to the surface that the work cannot be carried on without injuring the plants. Careful watering is of great importance at different stages of the growth. If evaporation is rapid because of a dry atmosphere the plants can hardly be over-watered; if the atmosphere is moist, watering must be done very carefully.

As soon after planting as time can be spared, the plants should have supports and be trained in such position that the light and air can have free access. If the soil had a proper quantity of fertilizer at planting time, very little feeding is required except a light sprinkling of bone meal and wood ashes at intervals, or a dusting of lime, until the bench is well filled with roots. There is no special time set for mulching; each grower must know when his plants need feeding. In raised benches with three and one-half or four inches of soil left after the summer's growth, the soil is naturally exhausted. A sprinkling of bone meal with a top dressing of two parts of rotten manure to one part of soil, is our first mulch. Air slaked lime, wood ashes, and bone are used alternately; later on a top dressing of cow manure and soil is used when the roots show on the surface.

Paul Niehoff's New Rose.

W. N. Rudd, secretary of the Society of American Florists, informs us that the rose originally named Aurora and raised by Paul Niehoff, Lehighton, Pa., has now been named Mrs. Mary Niehoff. This is the proper name and the one Mr. Niehoff wishes to stand.

FLORISTS' FERNS.

PROPAGATING BOSTON FERNS.—Instead of risking fine specimens of the new sorts of nephrolepis by continued division of all the stock, put a few in a bench solely for the purpose of increasing the stock, and leave the others alone. Instead of mutilating good-sized plants when enough small plants to increase the stock are not on hand, buy small plants of some one who has them in abundance. Nice plants of most varieties in larger pots than the ordinary size always sell at a good price.

CIBOTIUM SCHIEDEI.—Plants of this fine fern out of condition through having been used in dwellings or for any kind of decoration should go now into a gentle, moist heat. If any fronds are badly decayed cut them clean out, but otherwise leave them, as they help the roots. When root action is seen to be vigorous and new growth is starting, repot the plants. Do not break the old ball of soil, but lightly prick it with a pointed dibber. Give a small shift and by means of a thin potting stick, make sure that the new compost entirely fills the space between the old balls of soil and the pots.

Notes in Season.

Preparations for the summer crop of Boston ferns and the various other nephrolepises that are included among the florists' stock, are now in order. These ferns are readily multiplied by means of their many runners. Plant out the stock plants on a bench, giving them about four inches of good soil of very similar character to that one would plant roses in, and in a few weeks there are likely to be some young plants that may be taken off and potted. When first planted the nephrolepis bed will not require very frequent waterings, but as the plants become well rooted and grow freely they will take up a great deal of water, for they should be grown in a bright and airy house in order to keep the young plants short and stocky. A night temperature of 60° to 65° is quite warm enough.

These nephrolepises are sometimes troubled with a rather flat, brown scale, but the young insects are white and at first glance resemble tiny pieces of white cotton on the under side of the frond. This insect is very destructive, and its ravages soon show in the form of light colored spots that appear on the upper side of the leaf, proving that the insects have been satisfying their appetites with the juices of the leaf. A dipping in tobacco extract will help in killing this pest, but strong tobacco solution is also liable to injure the tips of the fronds. The growing tips of the nephrolepis fronds are quite tender, and it is better to throw away a plant that is badly infested with this scale than to risk further trouble with it. Be very careful to plant out none but clean plants for stock, else the trouble will become more marked the following season.

THE RETAIL TRADE

ASPARAGUS SPRENGERI.—For bold and striking effect in design work Asparagus Sprengeri is unrivalled by any other green. The stiff yet graceful leaflets hold up flowers used over it in a light, effective manner, not to be obtained from smilax, maidenhair fern or any other, and it is especially good for use with lily of the valley, sweet peas, or other light flowers, when these are thrown over a solid wreath, cross or other design of carnations. Its lasting character is also in its favor.

WREATH OF SWEET PEAS, LILY OF THE VALLEY AND FERNS.
By Henry Morris, Syracuse, N. Y.

A Fine Funeral Wreath.

Mrs. J. J. Belden, wife of the late congressman, of Syracuse, N. Y., placed an order with Henry Morris, of that city, for a wreath for the funeral of W. W. H. Gere, a prominent citizen and former public official. The accompanying photograph shows a remarkable reproduction of the florist's skill. It is 24 inches in diameter and is made of lily of the valley, white sweet peas and the following ferns: Cyrtomium falcatum, Pteris Magi, P. Ouvardi, P. Cretica albo-lineata, P. Victoriae, P. Wimsetti multiceps, P. magnifica, P. adiantoides and P. argyrea.

A. J. B.

Getting Business.

No matter what the size or location of the store, the owner who wishes to keep in the front of the procession has to exercise his gray matter occasionally in the effort to lure the dollar from the unwilling or lukewarm patron. If he keeps on putting the same old bunches of carnations, roses or whatever flower happens to come handy in his window, people will cross the street to avoid the store. Study the prospective customer before arranging the window and going to the books or to the make-up table to work.

Get customers interested in what you are offering. Get them into the habit of looking in the window for what is coming. A retailer in a fair location advertised, in his window, roses at 25 cents per dozen, and, beside the card, showed some fine Richmond and Killarney worth more than double. This drew customers and though some went away with the "chip" others remained and purchased at the higher figure. He had roses at 25 cents, as he had some design work in hand that called for short stock. He also had the goods the customers wanted, and, being in the store, took away with them. Once get a customer inside and interested and it is a poor salesman who sends him or her away empty handed.

Money spent on making the store attractive, inside and out, is always a good investment. A lady entered one of the finest retail stores in Chicago recently and, as soon as she was well inside, said, "My! they charge you $10 here before you look at the flowers." This was no reflection on the really splendid decorative scheme of the store. Quite the reverse. It is a compliment to customers to do the utmost that the place will stand in this way and the man who thinks otherwise is a back number from then on. It is a fine thing to have artistic ideas. Crude and badly blended arrangements are offensive, but if a customer wants a dozen cattleyas in the middle of about 500 violets and is willing to pay for them, let it go at that. Why turn down good money for the sake of the artistic idea? Shelve it for a time and put the dollars in the cash register.

But to get good patrons, and hold them, it is necessary to be always awake to what is going on. The man with a small store in a locality where cheap flowers are wanted cannot afford to spend big sums with the supply man, and to listen to the wiles of the drummer in this line may mean getting left, with stock that is just a cut above the trade. But always seek to show novelties in supplies a little better, a little fresher than the trade demands rather than the other way round. Never be afraid to see what the other fellow is doing and while not becoming a copyist, when you see a good idea carried out, get hold and improve on it where possible. Keep up with the band, in your own small way or in a big way, in the best way possible under the circumstances.

R.

A Salesman's Letter.

ED. AMERICAN FLORIST:—

The commercial bulb and plant salesman has been confronted by many weird tales in his career and like the regiments slain by Richard III, the end is not yet.

James J. Harty, Washington, D. C.

Among the latest "wonders" in this line may be mentioned the unknown habitats for lily bulbs with Latinized surnames for the variety types. It savors of quackery to state that the source has been found for lily bulbs of unquestionable healthfulness and that these bulbs are secured from the far away isles of the southern seas. Such a tale may have been credited when De Foe wrote Robinson Crusoe or the South Sea bubble claimed the attention of the English reading public. But in these days the "show me" spirit has spread over the land and confronts this new tale. The writer has seen countless horticultural fakes, including the resurrection plant, the Jadoo fibre, specially graded Harrisii that never were graded, etc., etc.

The successful bulb importer must not only have a proper sense of appreciation but also a well developed sense of depreciation so that the new rosy stories may be accepted at their proper worth. The horticultural traveler has his "package" of language and uses it in selling, but even he must feel as if he expected a knock down blow from an angry customer when he springs some of these new frenzied thrillers regarding the wonderful Bhong island and in the next breath adds the non-guarantee disclaimer. I say, let the growers and jobbers choose a sane conservative course, selling that which they know is good, which reasonable success has proven, and which is adapted to the needs of the trade. The specious plea of the anxious salesman that he has something new should be met with the phrase "show me and stand pat." I find that the salesman with the "dignity and the diamond" does not always range at the finish as much as the "house that furnishes the goods."

"SHOW ME."

James J. Harty & Co., Washington, D. C.

To the firm of James J. Harty & Co. must be given the credit of establishing the first strictly wholesale florist business in the national capital. James J. Harty, the leading spirit of the business, is a young man, who, from boyhood, has been identified with growing, and the retail trade. He was born in St. Mary's county, Md., but when quite young removed to Washington. For a number of years he was employed by Z. D. Blackistone, a well-known retailer, and formerly a grower of the capital. Mr. Harty occupied responsible positions while in the employ of Mr. Blackistone, which he filled with credit to himself

ESTABLISHMENT OF J. J. HARTY & CO., WASHINGTON, D. C.

and satisfaction to his employer.

It has long been the talk that Washington should have a wholesale commission house, but it is due to the energy and business ability of this young man that it now exists. He is building up a good business, and his trade with the south is particularly gratifying to him, though it is by no means confined to that section. Mr. Harty is a member of the Washington Florists' Club, has always been actively interested in the work of the different horticultural societies when their conventions were held in Washington, and has always been ready to contribute both of his time and means to assist in making these gatherings a success. Having, both socially and from a business viewpoint, an excellent record, we have no hesitation in commending his firm to the trade.

Our Peter Barr.

MY DEAR AMERICAN FLORIST:—

Although I have been out of business for upwards of 12 years, I am still interested in the peonies and our firm has one of the finest collections in Europe. I gave the subject many years of study and got rid of the synonyms and rejected the inferior ones. Call your peony society's attention to this fact and send for some copies of our catalogue. The officinalis types have long been known in Europe in one form or another and I think it was Linnæus who called them all officinalis, but later on attempts were made to make species of them. Of the albiflora I am of the opinion they may be sectioned into species, but I don't think anyone will succeed in the job.

Then there are the tree or Moutan peonies. A plant, until recently, has not been found wild but some botanist claims to have settled the question. The Japanese are giving considerable attention to improving this section, but they are not generally hardy. If you send me reports of the work of the American Peony Society I may have something to say on the subject. A man out of the running for so many years would be called a fogey. I am trying to improve the polyanthus and primrose. I don't mean the old florist's polyanthus but the soft colored that are useful for decorations, with good constitutions, large flowers, small eyes and well defined colors. My first year after getting my new garden, one-third of an acre, the northwest winds killed or crippled over half. I made my losses good and have erected windbreaks which, up to now, have saved the plants.

If success attends me I will in May present all but some special types to the Glasgow parks, so you see I am now working for glory. I worked 60 years for money and made little. I am just in this position. I have made no progress in my new study and, not being a good journalist, unless I am full of the subject, cannot write. My great trouble is correspondence, hardly leaving me time to deal with my plants. I am informing my distant friends they can write me as many letters as they please. I can only promise them one a year in exchange. I don't think you can grow primroses and polyanthus. They are best for a moist climate. John Dunbar is one of the finest men I have met in my travels. He is a genius, and in literature might rise high if he gave himself to it. I hope Barron is well fixed.

If you ever come across any of Grant Thorburn's writings, I would like copies. He wrote two or three books in his early days. He was a great character. I have a volume called "Laurie Todd" written by John Galt, who, in a historical novel, sketches out Grant Thorburn's career. I had been long hunting for it and found a copy in Brisbane and another at Cape Town. Galt was a novelist and had an idea he could develop colonization and got Guelph in Canada to work and there he met Grant and gives his early history. Grant once came to London to settle as an author, associating with Walter Scott. In a portrait gallery I have one

The Late J. B. Heiss.

by McLeishan, an Irish artist, of Laurie Todd with a great hat on his head and great spreadout feet. The literature idea did not come off and Grant returned to the United States to sell his canary seed. Dr. Masters a few weeks before he died wrote to me "We shall look to you to settle whether the oxlip came from the cowslip or the other way about." Whether he was serious or whether to make an April fool of me I cannot say. He had something in his mind. I am on the job.

With all good wishes and great prosperity,

Yours very truly,
PETER BARR,
(V. M. H.)

The Hermitage, Park Road, Kirn, Scotland, January 23, 1908.

London.

Trade is a little better since the weather became warmer. G. Monro, Jr., sold 1,000 bunches of lily of the valley in the morning of January 18. Lilium longiflorum is worth $1 per dozen blooms, callas bring $1, $1.25. Although carnations are not abundant the price is low.

Large pot plants sell better, but palms and ferns more slowly. Dutch hyacinths are worth $3.75 per dozen, genistas $2.50, solanums $2, lily of the valley $6 to $7.50. Good oranges with well colored fruit, are worth 60 cents to $3.75 each, according to size, and 5-inch cyclamens bring $4.50 per dozen. S.

OBITUARY.

Joseph B. Heiss.

Joseph B. Heiss, for many years a leading florist in Dayton, O., died suddenly while visiting relatives at Bethel, O. Although Mr. Heiss had been ailing with rheumatism for several months, none of his family considered it serious. Born in Frankfort on the Main, Germany, October 31, 1856, he emigrated to America in 1881. For several years he was engaged in landscape work in the vicinity of New York. He then came to Dayton, laying out the ground around the State hospital. Three years later he engaged in business for himself. For many years Mr. Heiss grew palms for the wholesale trade but of late years he has, with the able assistance of his wife, devoted his energies to the retail cut flower trade. As a result of his energy he leaves a successful business and a name in the retail trade that will hold for many years. The Dayton Florists Club attended his funeral in a body, sending as their tribute a magnificent six-foot Trinity cross.

Alonzo J. M. Watkins.

Alonzo J. M. Watkins, foreman at Allan Gardens, Toronto, passed away January 28. Mr. Watkins was formerly gardener for the Hon. Mr. Allan, and when the latter donated the gardens to the city Mr. Watkins kept his position, having been on the place at the time of his death for 33 years. For some time he had suffered with lumbago and rheumatism, but the immediate cause of his death was rheumatism of the heart. He was an Englishman by birth, having been born at Hereford, 69 years ago. He took an active part in the different horticultural associations, having often acted in the different offices. He is survived by a widow and grown up family. H. G. D.

George Morgan.

George Morgan, a well known landscape gardener, died at his home, 1833 Ansel road, Cleveland, O., January 24, after a short illness.

Crop to Grow With Easter Lilies.

ED. AMERICAN FLORIST:—

We have a house with three benches; in one bench we have our Easter lilies. What can we grow in the other two benches, either in pots or in benches for cut flowers? R.

Grow what you have the best call for. You might plant roses if you can devote the bench now devoted to Easter lilies to roses when these are past. Chrysanthemums may also be planted or even carnations, as probably the Easter lilies will want little forcing to bring them in on time. What you should grow depends really upon what you have a call for, as almost any popular crop may be grown.

G.

Swainsonas Losing Their Leaves.

ED. AMERICAN FLORIST:—

What is the cause of swainsonas losing their lower leaves? They are planted both on solid and raised benches in a carnation temperature.

C. U.

This we cannot tell without knowing something of the treatment the plants have had. It is natural for some of the lower leaves to fall annually, but if many fall something has probably occurred to check the free action of the roots. This may arise from overwatering or other causes and only those in charge of the plants or in a position to examine them can decide this. G.

ELECTRICITY is now employed in the growing of plants. It should prove useful in raisin' currents.

THE AMERICAN FLORIST

TWENTY-THIRD YEAR.

Subscription, United States and Mexico, $1.00 a year; Canada, $2.00; Europe and Countries in Postal Union, $2.50. Subscriptions accepted only from those in the trade.

Advertisements, on all except cover pages, 10 Cents a Line Agate, $1.00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed **only on consecutive insertions**, as follows—6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

Space on front pages and back cover page sold only on yearly contract at $1.00 per inch, net.

The AMERICAN FLORIST Advertising Department is for florists, seedsmen and nurserymen and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Monday to secure insertion in the issue of the same week.

When sending us change of address always send the old address at the same time

We do not assume any responsibility for the opinions of correspondents.

Photographs.

We are always pleased to receive good pictures of trade subjects. Send them prepaid by mail or express carefully packed to prevent injury in transit. Pack them flat, not rolled, with name and address of sender on the back of each picture.

THE AMERICAN FLORIST,
324 Dearborn St., Chicago.

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WEAK roots and strong soil form a bad combination.

JULIUS NIEDNAGEL, Evansville, Ind., has a climbing Killarney rose.

THE Waban Conservatories' white Killarney rose will not be sent out till 1909.

WE are pleased to print in this issue a characteristic letter from our never old friend, Peter Barr.

ARTIFICIAL flowers have now to pay a duty of 50 per cent only instead of 60 per cent as formerly.

SEE that a good supply of growing vine seeds are sown early, as the plants are greatly in request in June.

READ again Elmer D. Smith's article on making greenhouse benches in the AMERICAN FLORIST, December 14.

WHERE rough concrete work is in progress or contemplation save all clinkers and cinders for use with the cement.

THIS week's cold snap and snow seems to have been general, the thermometer ranging from 10° to 25° below zero in the north.

"XMAS TREES came out of the woods this year like frogs into Egypt in bible times," writes E. S. Kneeland, of Grand Forks, N. D.

THE FRENCH are inclined to give the English the credit for discovering the plan of retarding forcing roots and bulbs in cold storage.

THE pure white freesia of the new giant flowered types, of which there are now three or more good stocks, is a beautiful flower of delightful fragrance.

AN annual convention of the National Association of Gardeners is scheduled for February 27-28 at American Institute Hall, 21 West Forty-fourth street, New York.

CUTTING prices, to meet unfair competition by unprincipled dealers, has ruined many businesses that would have ridden out the storm had prices been kept at a point that left a living profit.

GLADIOLUS BULBS in North Texas do not winter-kill in the open ground. Growing these bulbs there in a commercial way may be undertaken, as the freight rates to market are not prohibitive as they are from Washington (state) points.

THREE Chicago growers tried the so-called Azores grown lilies this season with less satisfaction they say than with Bermuda grown L. Harrisii. They were Messrs. Kidwell, Wagner and Walter. Perhaps it was, as Jimmy Sproule used to say, "a season of growth depression."

CARNATION BULLETIN, No. 103, profusely illustrated, on the "Bud Rot of Carnations," from the Agricultural Experiment Station at Lincoln, Neb., is most timely and well worth writing for by every thinking florist. A mite accompanying the bud rot of carnations is also described, specimens having been received from Beatrice, Lincoln and Omaha. The bulletin gives nine different diseases of carnations and this list we reproduce in another column.

THE AMERICAN FLORIST has been favored through E. L. Crandall, with some beautiful photographs of the carnation houses of the United States Department of Agriculture, E. M. Byrnes, superintendent, as they appeared during the meeting of the American Carnation Society. Varieties there grown are as follows: Helen Gould, Beacon, White Enchantress. Winsor, Enchantress and seedlings of 1907. Except for the fact that our columns are crowded with commercial illustrations we should be pleased to publish these views.

THE passing away of J. B. Heiss, the well known Dayton florist, will be noted with regret by all the Dayton convention visitors, and by hundreds of his friends in the trade, north as well as south. Mr. Heiss, at the head of the Dayton Florist Club, which was organized to take care of the reception of the Society of American Florists, took hold of the proposition with that energy for which he was notable, and in the face of a very discouraging situation helped to carry the reception forward to such a success as has not been previously known in the records of the S. A. F. in a city of the size of Dayton.

National Flower Show.

The premium list for the National Flower Show is now in press and will be ready for mailing February 15. Many changes have been made in the list originally published in the trade papers and the same has been largely increased. It is believed that the complete list carries the largest amount in premiums, medals, cups and trophies ever offered at any floricultural exhibition at any time. Suggestions for premiums have been made and revision of all or parts of the list by about 100 individuals and firms and it is hoped that in the form in which it will appear on the above date all classes of exhibitors will be found to be amply provided for.

It should be noted that the suggestions made to the committee, if all had been carried out, would have required over five times the large sum of money which was available. This condition, of course, made it necessary to strike out many desirable suggestions. All suggestions, however, were given equal consideration on their merit without regard to the names of the persons making them. Copies of the list may be obtained on application to J. H. Burdett, secretary, 1411 First National Bank Building, Chicago.

W. N. RUDD, Chairman.

Plant Notes at Washington.

Rose Rhea Reid.—Very fine vase. Large, full flowers and good color.

Rose Queen Beatrice.—Showed up in splendid form. Large, full petaled flowers. Deep pink.

Rose Mrs. Jardine.—Very fine vase. Showed up well. Fine, soft, light pink, looks like a winner.

Violet Boston.—Shown by Wm. Sim. Cliftondale, Mass. Looks good to me, very large single. Long stems and fine, deep color.

Fern Nephrolepis Superbissima.—One plant shown by F. R. Pierson in 10-in. pan. It is entirely distinct from all others. Dwarf, bushy grower. Fronds in place of being flat are somewhat rounding, tapering to a point at the ends. Very dark green color. Appears to be rather coarse. W.

Meetings Next Week.

Baltimore, Md., February 10, 8 p. m.—Gardeners' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.

Buffalo, N. Y., February 11, 8 p. m.—Buffalo Florists' Club, 383 Ellicott street.

Butte, Mont., February 14—Montana Florists' Club, Columbia gardens.

Chicago, February 13, 8 p. m.—Chicago Florists' Club, Handel hall, 40 Randolph street.

Cleveland, O., February 10, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit street.

Davenport, Ia., February 13—Tri-City Florists' Club.

Denver, Colo., February 14, 8. p m.—Denver Floral Club, 323 Charles block.

Hartford, Conn., February 14, 8 p. m.—The Connecticut Horticultural Society.

Lake Geneva, Wis., February 15, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, News building.

Madison, N. J., February 12, 7:30 p. m.—Morris County Gardeners' and Florists' Society, Masonic hall.

New Bedford, Mass., February 13.—New Bedford Florists' Club.

New London, Conn., February 12.—New London County Horticultural Society, Elks' hall.

New Orleans, La., February 9, 2 p. m.—Gardeners' Mutual Protective Association, 118 Exchange alley.

New York, February 10, 7:30 p. m.—New York Florists' Club, Murray Hill lyceum, 34th street, between Third and Lexington avenue.

New York, February 12, 4:30 p. m.—Horticultural Society of New York, American Institute rooms.

Omaha, Neb., February 13, 8 p. m.—Omaha Florists' Club, City Hall.

San Francisco, Calif., February 15.—Pacific Coast Horticultural Society.

St. Louis, Mo., February 13, 2 p. m.—St. Louis Florists' Club, Burlington building, Olive street.

Easter Lilies.

It is always easier to hold lilies back a little than to force them at the last and plants that have been rooting in a cool house up to now, and are well rooted and established, will be the better of a gentle warmth at night. The week or two that Easter is late this year will forward the plants more than a month would earlier in the season so probably nothing like forcing will be necessary at any time. When giving the plants a new stand pick out those that are most forward and place by themselves bringing them down in order and also keeping the latest together. This is not so much on account of the season as that the forward plants will usually dry out more rapidly and the grower in charge will have a difficulty in keeping them evenly watered if they are mixed. At present the plants may stand pot thick but more room may be given later if good shapely plants are needed. Where it is apparent that some plants are drying out more rapidly than others, even them up for water before giving a general watering as a constantly wet state is not good for the plants at this early stage.

W. J. Palmer.

VICE-PRES. AMERICAN CARNATION SOCIETY.

The vice-president of the American Carnation Society, W. J. Palmer, was born in Buffalo, and about as close to a greenhouse or potting-shed as one could be and not be in either, as their greenhouses and residence were at that time what is now Buffalo's finest resident property, the Circle; and from that time he has been associated with flowers.

After his graduation from school, he divided his time between the store and greenhouse at Lancaster for about three years, when he succeeded his father in the active management of the stores, but always spending his summers in Lancaster at the greenhouses, where, under the tuition of his father, he got a thorough knowledge of flowers and their growing, such as roses, carnations and general stock used in a retail business. The greatest part of their 300,000 feet of glass is given over to roses and carnations.

Mr. Palmer is known as Buffalo's carnation man, and the flowers produced show his knowledge on what are considered the best varieties to grow. The two stores in Buffalo are almost entirely supplied from Lancaster where his greenhouses are familiar to many of THE AMERICAN FLORIST readers.

Clinkers in Greenhouse Benches.

ED. AMERICAN FLORIST:—

I am building a new greenhouse and wish to use coarse cinders and clinkers in the benches. Please advise me if these will be any injury to the plants. G. W. C.

You can safely use them. G.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with Adv.

Plant Advs. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1908 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—In greenhouse, private or commercial establishment: several years' experience; single; age 25; English. Address WALTER DALE, Hancock Mich.

Situation Wanted—By an Englishman who is a first-class gardener and florist: either private or commercial: best of references. Address JAMES CREED, 28 Swift St., Auburn, N. Y.

Situation Wanted—As gardener on private place with glass; head or single; Chicago or California preferred; age 28, single; 15 years' experience; well up in gardening in general; references Key 420. care American Florist.

Situation Wanted—As working foreman; understands growing roses, carnations, violets, 'mums and miscellaneous plants; 40 years' experience, 21 years in England, 19 in United States; single; age 54; English. GEO. H. MORRIS Hudson, N. Y.

Situation Wanted—As responsible gardener; thoroughly understands the management of gentleman's estate; life experience in greenhouses, flowers and vegetables; good English and Canadian references; married; age 36; total abstainer. BATTEN, East Sherbrooke, Quebec, Canada.

Situation Wanted—By single man, age 27; strong, not afraid of work; first-class grower of roses, chrysanthemums, carnations, and all kinds of stock, having best references, European and American; wants position on private or commercial place; state wages. PAUL, care of Farley, 5th Ave., New Rochelle, N. Y.

Situation Wanted—By grower, German, 28, single; 15 years' experience cut flowers and general stock; specialty roses and carnations. To take full charge or will take section of roses or carnations on good reliable place; best of references; state full particulars with salary please. Key 416. care American Florist.

Situation Wanted—By Hollander as foreman on commercial place; 18 years' European and American experience in growing plants and cut flowers, including Farleyense and forcing, bulbs, valley, etc; three years in present place; good reference; age 34 single; state full particulars in first letter. J. P. NULLEN The Highlands, Newtown Square, Pa.

Situation Wanted—By a Frenchman; good grower and propogator in general line of cut flowers; roses, carnations Easter stock, palms, ferns, tropical plants; life experience in every line of the florist business; seven years' practise in America; can take full charge of wholesale and retail or private place; good references; am steady and sober man. Key 421. care American Florist.

Help Wanted—Rose and carnation grower: 25,000 feet of glass; send reference age etc.; $3.00 per day. EMIL GLAUBER, Montclair, Colo.

Help Wanted—Good carnation and rose grower for commercial place: state wages wanted, married or single. MUSKOGEE CARNATION CO., Muskogee, Okla.

Help Wanted—A man to work in rose section also two men for general greenhouse work; state wages without board. Address Key 340, care American Florist.

Help Wanted—Decorator and designer; one who has some knowledge of plants; single man preferred. References and wages in first letter. Address Key 410. care American Florist.

Help Wanted—Competent nurseryman who understands the retail trade, and can successfully handle men. Must have good knowledge of English language. Address J J M. care American Florist 1133 Broadway New York.

Help Wanted—A good live man for general greenhouse work; must have a good knowledge of roses, carnations, etc.; married man preferred; state salary and age, and send copies of references in first letter. Address ROBERT BEEB, Successor to Vaughan's Greenhouses, 35th St. and Ingersoll Ave., Des Moines, Iowa

Catalogues Wanted—Of seeds, nursery stock, bulbs, etc, A. A. ST. GERMAIN, 31 and 33 Station St., Kankakee, Ill.

Wanted to Lease—Place of not less than 8000 feet of glass in Pennsylvania, Ohio Illinois or Indiana with privi ege of purchase after one year. Key 417. care American Florist.

For Sale—A large florist refrigerator with mirrors and marble base at a bargain. A. B. ELLSWORTH, 17 N. 6th St., Allentown, Pa.

For Sale—Greenhouses in good condition; 8000 feet glass plenty of land; dwelling; central Ohio; good reasons for selling. Address Key 399. care American Florist.

For Sale—Two houses each 14x100 and one 5½x100, ft., opposite the largest cemetery here; one and one-half acres of land, living rooms above office; a good man on carnations and bedding stock can do well here. F. W. MEYER, Florist, Kalamozoo, Mich.

For Sale—A greenhouse plant in Colorado Springs, Colo., of about 19,000 feet of glass all stocked and just coming in good bearing condition steam heat; city water; cheap coal; six room cottage with plant, one acre of ground. This is a rare chance for a man with a family to help or a party that wants a higher altitude; good trade; fine soil and water the best. A. D. JONES, Broadmoor, Colorado Springs Colo.

For Sale at a Sacrifice.

Seven greenhouses. For particulars see my adv. in this paper of Jan. 16 and 23. W. H. HUMFELD FLORAL CO., Kansas City, Mo.

A Undeveloped Gold Mine at a Bargain.

A snap for a live practical florist having a small amount of cash capital; my greenhouse plant and residence is offered for the next 60 days at a sacrifice; it is well located in the best city of its size in Michigan, having 14 profitable tributary towns and only one other greenhouse within 30 miles; first-class cut flower and plant business. Write for particulars. **A. W. TWEEDIE, Cadillac, Mich.**

OFFICIAL S. A. F.

Shipping Labels

Actual size of leaf 2¾ x 5¼ inches,

FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Price: Per 500, $2.85, per 1000 $4.50. Samples on request. Electro of leaf, postpaid, $1.25. Cash with order.

AMERICAN FLORIST CO.
324 Dearborn St., CHICAGO.

Southern Wild Smilax

Now Ready in Quantity. E. A. BEAVEN, Evergreen, Ala.

Boston.

TRADE QUIET.

Not since before Christmas has trade been so quiet as during the past week. The weather must claim the responsibility of the present depression as we have experienced a full week of severe weather. Several snowstorms, accompanied by zero temperature and considerable rain, have combined to keep people indoors, only the most vigorous braving the many exposures of shopping. A high wind prevailing most of the time has increased the difficulty of the growers in keeping up the heat. Carnations and bulb stock have weakened in price, both being received in far greater quantities than demanded. Single and double jonquils all dropped from $3 to $2 per 100, an unusual figure for this early season. In the effort of salesmen to force upon the market new varieties of carnations whose habits are practically unknown and, we are compelled to admit, oftentimes well known to be worthless as commercial products, many of the former favorites, with reputations well sustained, have been abandoned, and in this way the estimation of local grown carnations has been severely jeopardized. Considering the originations of the last three years without bias we must agree that a decided majority of carnations have been rank failures as commercial possibilities. While attractive perhaps when growing and for a few hours after cutting, the keeping qualities are utterly lacking, and, without these, carnations are positively worthless. There is a noticeable scarcity of American Beauty roses. The local growers and wholesalers have nothing to offer in this line and much difficulty has been experienced in procuring this stock from foreign markets. The prices are high and allow of but little profit for dealers. A superb line of Killarney is plentiful and well received. Richmond has fallen off considerably in quality and advanced correspondingly in price, a combination sure to wreck the future of the best rose ever grown. A limitless collection of the less important flowers is at hand and from the assortment many attractive varieties are renewing the favor attained in past seasons. Freesias were never so plentiful and seldom so well cultivated. Yellow marguerites are scarce and the present market condition in this line should awaken some live grower to his opportunity.

NOTES.

The election of M. A. Patten, as president of the American Carnation Society, brings to one of the most prominent of our local growers the greatest honor that his craft have in their power, and further extends the well guarded reputation of Massachusetts as the premier carnation district of the country. While of a quiet and retiring disposition, Mr. Patten has by his exceptional ability and thorough business aptitude forced himself into the ranks of the foremost carnationists of the country and is considered one of the leading authorities in the knowledge of his favorite product. He is frequently called upon to judge at exhibitions, a duty which he is eminently fitted for and in which he has always given the greatest satisfaction. Since returning from Washington Mr. Patten has been able to accomplish but little other than receiving the congratulations and good wishes of his acquaintances.

Wm. H. Elliott and wife celebrated their silver wedding January 30, congratulations and the good wishes of their friends pouring in upon the happy couple who have enjoyed 25 years of happiness. They entertained a party of old acquaintances in the evening with a dinner at the Hotel Thorndike. After dinner the party spent the evening at the theatre, the play being particularly adapted for the occasion, "My Wife," with John Drew in the leading part.

H. A. Stevens, of Dedham, formerly connected with the company bearing his name, and who is now conducting business independently, is succeeding far better than he anticipated. Although as yet working but a single house his products are of the same class which has brought his name prominently to the front of premier growers. Mr. Stevens caters to the local trade and finds little difficulty in disposing of his entire stock.

The Rosary, J. J. Casey, proprietor, has expanded and now presents a most attractive store with a center entrance. The new addition just doubles the floor space previously occupied and allows of greater ease in handling the rapidly growing business of the hustling owner.

Penn, The Florist, had the decorations for the Potter-Sargent wedding at St. Stephen's church; also at the dance given by Miss Eustis, of Milton, when Copley Hall was transformed into a Grecian garden.

Frank Morton, for several years identified with Edward MacMulkin, has severed his connection with that firm.

B.

SALISBURY, PA.—The Peninsula Horticultural Society convened here, January 14.

AMHERST, MASS.—Edward J. Canning, of Smith College gave an address on "The Development of Home Grounds," January 24, before a seminar in landscape gardening of the agricultural college.

NEWTON CENTER, MASS.—The Massachusetts Horticultural Society has awarded J. R. Leeson a prize of $50 for the best kept estate in the commonwealth. Mr. Leeson was also awarded a prize for the best display of orchids.

HENRY M. ROBINSON & CO.

WHOLESALE AND COMMISSION FLORISTS,

Florists' Supplies and Hardy Cut Evergreens.

Telephones: 2617-2618. 15 Province St., 9 Chapman Place, BOSTON, MASS.

Hardy Cut **Dagger** and **Fancy Ferns**, A1 qual., per M, $1.50
Green Galax,.....$1.00 per 1000; $7.50 per case of 10.000
Brilliant Bronze Galax.....per 1000. $1.00; 10,000, $8.50
Wild Smilax, per case.....$3.50 and $7.00
Laurel Festooning, made up good and full, per yard.....5c and 6c
Branch Laurel, per bunch.....50c
Sphagnum Moss.....per bag 50c.; 5 bags $2.

EXTRA FINE CUT BOXWOOD

Florists' Supply Price List on Application.

Fancy and Dagger FERNS, 1.50 per 1000

Discount on large orders.

New Crop Galax, Bronze or Green, $1.25 per 1000: 10,000 $750. **Wild Smilax**, per case, $6.00.
Sphagnum Moss, large bales.....$1.25
Leucothoe Sprays.....$1.00 per 100; 1000, 7 50
Boxwood.....35c per bunch; 50 lbs.. 7.50

Florists in the Middle and Western States can save money by placing their fern orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

WHOLESALE COMMISSION FLORISTS,

38-40 Broadway, All Phone Connections. DETROIT, MICH.

George Cotsonas & Co.

Wholesale and Retail Dealers in all kinds of

Evergreens.

Fancy and Dagger Ferns, Bronze and Green Galax.

Phone 1202 Mad. Sq.

Main Store 50 W 28th St NEW YORK.

Mention the American Florist when writing

John P. Scherer

UNION HILL, NEW JERSEY.

New York Branch: 468 Sixth Ave., bet. 28th and 29th Sts., New York. Telephone 6237 Mad.Sq.

SMILAX, FERNS, PALM LEAVES

and all kinds of GREEN GOODS.

THE KERVAN COMPANY,

113 West 28th St., NEW YORK.

Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe, Ferns, Mosses and all Decorative Evergreens.

WELLESLEY, MASS.—Hundreds of valuable plants, including many rare specimens collected at great difficulty and expense, were destroyed January 28 in a fire which consumed a greenhouse and two stables on the estate of Frank P. Stone, on Grove street. The loss is estimated at $18,000. The fire started, it is believed, from defective heating apparatus in the greenhouse.

GREENWICH, CONN.—At the meeting of the Gardeners' Society held at 67 Arch street, January 15, Vice-president P. Flaherty in the chair, the following officers of 1907 were re-elected to hold office till January, 1909: Silas Frost, president; P. Flaherty, vice-president; P. Crighton, financial secretary; A. Mead, treasurer; Thomas Young, corresponding secretary. A vote of thanks was tendered C. A. Moore, of Belle Haven, for the presentation of a gavel to the society. The next meeting will be held February 5 at 7:30.

The Severe Weather Has Made
Rose Stock Very Scarce

We are filling all orders received in time in full. Our prices have not advanced.
See following price list.

PRICE LIST.

AMERICAN BEAUTIES. Per doz.

Extra long	$4.00 to $5.00
Stems 24 in.	3.00
Stems 18 in. to 20 in.	2.00
Stems 15 in.	1.50
Stems 12 in.	1.00

KILLARNEY.

Extra long and select, per 100	$12.00
Good average lengths, per 100	10.00
Medium lengths, per 100	$6.00 to 8.00
Short stems, per 100	4.00

RICHMOND.

Extra long and select, per 100	$12.00
Good average length, per 100	10.00
Medium length	8.00
Short length	$4.00 to 6.00

BRIDES, MAIDS and PERLES.

Extra long and select	$10.00
Good average length	8.00

BRIDES, MAIDS and PERLES. Per 100

Medium length	$ 6.00
Short	4.00

BULB STOCK

EASTER LILIES, Giganteum, per doz.	$2.00
LILY OF THE VALLEY, per 100	$3 00 to 4.00
TULIPS PAPER WHITE, and DAFFS. per 100	$2.00 to 4.00

CARNATIONS.

Pink, White, good stock	$3.00
Fancy long Enchantress	4.00
Fancy long red O. P. Bassett	6.00

ASPARAGUS STRINGS, heavy, per string	$ .50
ASPARAGUS SPRAYS, per 100	$2.00 to 3.00
SPRENGERI, per 100	$1.50 to 2.00
SMILAX, extra fine, per doz.	$1.50 to 2.00
ADIANTUM, per 100	1.00
GALAX, green and bronze, per 1000	1.25
FERNS, per 1000	2.00

On orders amounting to $2.00 or over we make no charge for boxes.

BASSETT & WASHBURN, 76-78 Wabash Avenue, ... CHICAGO.

Indoor Culture of Carnations.

A paper read by Edmond A. Harvey, Brandywine Summit, Pa., before the Florists' Club of Philadelphia, February 4, 1908.

There is probably no cut flower of which the methods of culture have changed more in the past six or seven years than the carnation. When we began growing carnations, six years ago, we benched from the field about the middle of September, as this was the universal custom among Chester county carnation growers, and generally so throughout the United States, although some of the large growers around New York were practicing early planting. Now from the middle of July to the middle of August is generally conceded to be the proper time to house from the field.

The next development would naturally be indoor culture exclusively. To the writer's knowledge the first grower who practiced this method to any extent was C. W. Ward of Queens, N. Y., who has always been a leader in the development of this flower. I well remember seeing in 1903 at Mr. Ward's range a house of Enchantress that had been grown inside over summer and was struck with amazement at their magnificence. I do not think that I have ever seen them surpassed by any variety.

To succeed with indoor culture, strong, healthy cuttings should be put in the sand not later than February 1; those potted up before February 15 are preferable. We first use 2-inch pots, and when these are well filled with roots, plant in a bench four inches apart, each way. Some growers again repot from 3 to 4-inch pots and hold them in these until they are finally planted in the benches. When many plants are grown, this method makes a great deal of work in watering, as the pots dry out very rapidly when it comes hot weather, and the young plants are also liable to become pot-bound before the benches are ready for them. When their growth is once stunted they are practically useless. At each transplanting all the weak plants should be set aside. A weak cutting may recover in the field but will never pay for itself grown inside.

As soon after Decoration Day as possible the old plants should be thrown out, the houses refilled with a good rich compost and the young plants put in their final place. Care must be taken with the watering. There is not much danger of over watering in summer; still the benches should not be allowed to become soggy; far greater danger is in allowing the soil to get too dry. As soon as it begins to appear a light color on top it should be thoroughly moistened, otherwise the plants will become hard and woody, and will not break freely. Although shading is generally advised against, we believe a light shade is beneficial, and put a thin coat of whiting on every other row of glass about July 1, and remove it early in September. This will aid materially in keeping down the temperature and will not cause a weak growth unless the plants are over watered.

Edmund E. Harvey, Brandywine Summit, Pa.

Full ventilation should be given both day and night, except when a strong dry wind is blowing immediately on the plants, which drys out very rapidly both plants and soil, and is very likely to bring on an attack of red spider. This insect is about the only one that will cause trouble in the summer and a thorough spraying with cold water twice a week will, we have found, keep down this pest. Should it appear, however, the plants should be sprayed every day until they are clear, as the spider will cause a great deal of damage in a very short time, from which it will take a long time for the plants to recover.

The same care should be taken in pinching as in the field. Do not break back too high as this will cause a top-heavy growth, and the plants will be broken up by the spraying. As soon as the shoots begin to elongate and show the stem between the leaves, the top should be taken out, leaving three or four joints. Do not leave the plants two or three weeks and then break off all the shoots at once, but go over them every week, topping all the longest ones. This will make a more even growth and lessen the tendency toward cropping.

The benches should be frequently cultivated during the summer, both to keep down the weeds and to prevent the surface of the soil from becoming hard and baked. If the soil was well fertilized with cow manure and bone meal before it was put in the benches, no feeding will be necessary during the summer. Through the fall we use top dressings of bone meal and sheep manure every two or three weeks, omit-

BEST ON THE MARKET

BEAUTIES MAIDS BRIDES RICHMONDS

CARNATIONS
Chicago's finest stock

VIOLETS
Home-grown fragrant singles

BULBOUS STOCK AND GREEN GOODS

All stock in season and billed at Chicago market rates. Try us.

J. A. BUDLONG,

Wholesale Grower and Shipper of..... Cut Flowers

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ting all feeding through December. In January, when the days become longer and we get more sunshine, we use a stronger and quicker acting commercial fertilizer. Feeding with liquid manure would doubtless be beneficial, but we have never used this method.

If by July 1 the plants in the houses are as large as those in the field, you may consider that you have been successful, for, although through July and August the field plants will make a faster growth than the indoor stock, these will catch up later. There is always some check to plants benched from the field, and often it is very severe if the conditions are not right. This is especially the case in a wet season. One of the greatest advantages of indoor culture is the fact that we have control of the watering, and this is especially important since stem rot has made its appearance. How often does it happen that half of the plants die in the field and again half of those remaining, after they have been planted in the houses, and it is nearly spring before we begin to cut good flowers. With proper indoor culture the ravages of the dreaded stem rot are reduced to a minimum.

Another advantage of this method is that large flowers with long stems can be cut early in the fall, when they bring good prices and when none of the profits go into coal bills. A steadier cut is also assured through the winter, and the danger of getting a heavy crop, when prices are low, is diminished. Some varieties are undoubtedly better suited to indoor growing than others. As a rule, the broad foliaged, strong growing kinds are best adapted to it. Mrs. Lawson and Winsor are notable examples, in fact, we would not attempt to grow them any other way.

The greatest objection offered to indoor culture is the fact that the June cut is lost. However, at this time, carnations bring very low prices, and after all the problem is how to make each square foot of bench surface produce the most money. If we can make the returns through the fall and winter more than cover the loss during the summer by indoor culture we are foolish not to adopt it. It is not urged that this method is an easy way to success in carnation growing. It certainly will not help that grower who is used to letting the plants take care of themselves. A little neglect is far more disastrous to indoor stock than to plants in the field.

I would not advise anyone to change their whole plant immediately from one method to the other, but first try a house or at least a bench, and prove which way is the better under existing conditions. Some of the largest and best growers in the country practice indoor culture exclusively, and many others in part of their plant, and they certainly would not do so if it did not pay them. When any new method of doing things is taken up by the leaders in the trade, we owe it to the success of our business to at least see for ourselves if there is anything in it, otherwise, we shall soon be bringing up the tail of the procession.

*Carnation Diseases.

BY F. D. HEALD.

BUD-ROT.—During the past few years a troublesome and destructive disease of carnations has been prevalent in a number of the greenhouses of the state. The disease affects the buds in various stages of maturity and produces a rotting of the petals and other flower parts, at least the parts enclosed by the calyx, thus interfering with the normal opening of the flower. The disease has therefore been termed the "bud-rot" of the carnation.

The bud-rot of carnations was first reported in 1905 by Dr. Wolcott from specimens received from a greenhouse at Beatrice, Neb. He attributed the trouble entirely to a mite which was constantly present in the affected buds. The mite was briefly described as belonging to a new and hitherto undescribed species and possibly a new genus. At this time the fungus origin of the trouble was not suspected. Later in the same year the same trouble was reported to the writer and an investigation was begun. The first examination showed the mites, and in addition the rotting petals were found to be pervaded by the mycelium of a fungus. An examination of the rotting buds led to the belief that the mites were only secondary, and that the fungus was the primary factor in causing the disease. Fusarium spores were found upon the rotting petals and it was supposed that the trouble was due to this fungus. It was found later that the trouble was due to a different fungus, and that the fusarium was a contamination which developed during the transit of the specimens.

On January 29 of the present year a letter was received from Professor H. E. Hodgkiss, Geneva, N. Y., asking for information in regard to the bud-rot which was reported in Nebraska. He stated that the accompanying mite or a near relative had been sent to him. The fungus present with the mite was determined by Professor F. C. Stewart, as Sporotrichum anthophilum Peck. About April 30, in compliance with the request of Professor Hodgkiss, specimens of carnation buds affected with the disease under consideration were sent to him by the writer for comparison with the New York specimens. Not until August 21 was the information received that the Nebraska and New York mites appear to be identical.

*From Bulletin 103 Agricultural Experiment Station of Nebraska.

OTHER CARNATION DISEASES.

The carnation is attacked by a considerable number of diseases which affect the roots or stems and foliage, but only a few are known to affect the buds or flowers. The diseases are due in the majority of cases to fungi, bacteria playing a very insignificant part. The following are the principal diseases that have been described:

The Stem Rots.—Two different types of this disease have been studied by Stewart and Sturgis, due to a fusarium and to the sterile fungus rhizoctonia. What is probably the same fusarium disease has been studied by Delacroix and the causal organism determined as Fusarium dianthi Prill. and Delac. A somewhat similar trouble has been described by Atkinson under the name of "carnation rosette."

Bacterial Spot.—A true bacterial spot disease of the foliage has been described by Woods, while the disease formerly described by Arthur and Bolley as bacteriosis has been shown by Woods to be caused by the punctures of aphides and thrips and has been named stigmonose.

Anthracnose.—Three different writers have described an anthracnose of carnations affecting stems and leaves: Halsted found the disease to be due to Collectotrichum dianthi. Atkinson attributed the anthracnose which he described to a species of volutella. The anthracnose which Cooke described as occurring in England was attributed to Gloeosporium dianthi. It is quite probable that the causal organism is the same species in all three cases, but it can hardly be considered as proved in the light of present information.

The Fairy Ring.—This disease of carnations has been reported by various writers (Berkeley, Smith, Atkinson), and its common name has been derived from the fact that the fungus produces its fruiting hyphæ in concentric zones around the center of infection. While the disease attacks mainly the foliage and stems it has been reported as affecting flowers and buds. Selby mentions the same fungus (Heterosporium echinulatum (Berk.) Cooke) as the cause of leaf and calyx mold of carnations, which produces unsightly discolorations on calyces and pedicels as well as upon leaves. Sorauer has recorded a case in which the disease seriously affected the flowers. Many buds did not open

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Will Take Care of Your Regular Orders.

1,580,000 FEET OF GLASS.

We are in full crop on all Roses and especially long Beauties.

	Per doz.
American Beauties,	
Extra long stems,	$5.00
30-inch stems	4.00
24-inch stems	3.00
18-inch stems	2.50
15-inch stems	1.50
12-inch stems	1.25
Short stems	.75 to 1.00

	Per 100.
Mrs. Marshall Field and Killarney	
Best	$10.00 to $15.00
Short to medium	6.00 to 8.00
Liberty and Richmond	
Best	8.00 to 10.00
Short to Medium	5.00 to 7.00
Golden Gate Select	8.00 to 10.00
Short to medium	4.00 to 6.00
Perle	4.00 to 8.00

	Per 100.
Chatenay Select	$10.00 to $12.00
Short to medium	6.00 to 8.00
Bride and Bridesmaid	6.00 to 10.00
Sunrise	6.00 to 10.00
Uncle John	6.00 to 10.00
Ivory	6.00 to 10.00
Carnations	25.0 to 4.00
Lily of the Valley	3.00 to 4.00
Asparagus Plumosus	2.00 to 3.00

ROSES, OUR SELECTION, short to medium stems, all fresh stock, $4.00 per 100.

at all or only slightly, and flowers that did open showed brown dry spots upon the petals due to the growth of the fungus and the accumulation of the spores.

Spot of Carnations.—This disease, which is due to Septoria dianthi Desm., is known to occur in both this country and Europe. The spots are circular or oblong with a dirty white or brown center, bordered by a dark purple band. The central area shows black specks or pycnidia filled with spores. No mention is made by any writers who have studied this fungus of its occurrence on parts other than leaves and stems, although it is probable that it may be found on flower parts, at least the calyx.

Carnation Leaf Mold.—This carnation trouble has been described by Halsted and attributed to a species of cladosporium. No specific name was assigned to the fungus. The fungus caused a spotting of the foliage and in severe cases the entire leaves or entire top of the plant were affected.

Alternaria Disease.—This disease is known to occur both in Europe and in this country. According to Sorauer the trouble first shows as yellow, slightly swollen spots on leaves, stem and calyx. Later the leaf turns brown and is completely killed, while the affected spots show a blackish powder due to the accumulation of alternaria spores.

Rust.—This disease (Uromyces caryophyllinus (Schr.) Schroet.) attacks carnations at all stages and affects any of the green parts producing the characteristic rust sori. Although this disease did not appear in the United States until 1891, it is now very generally distributed. It is present to a greater or less extent in nearly all greenhouses.

Smut.—Carnation smut (Ustilago violacea (Pers.) Fckl.) is not known to occur in the United States except on other hosts.

Botrytis Disease.—According to Atkinson, carnation flowers and buds may suffer from the attacks of a botrytis. This trouble is prevalent, especially when the soil and air of the greenhouse are kept too damp. Selby has briefly described the same trouble, but neither writer refers the fungus to a definite species of botrytis.

In the foregoing list it may be noted that the only serious fungus diseases affecting the flowers are due to the fairy ring fungus and the unnamed species of botrytis, which is probably Botrytis vulgaris. In addition to these the trouble known as petrified buds, which is apparently a physiological trouble, was reported by Kennedy. Arthur has reported an abnormal condition of carnation flowers in which the petals become adherent. No animal or fungus parasites were found to be associated with this trouble.

The Baltimore Florists' Exchange.

The Florists' Exchange in Baltimore is an interesting place to visit. Established some years ago, it has gradually grown to be a great convenience to both grower and consumer. Starting with stock at $5 par value its business so increased in value that the company now has its own building, worth $30,000 erected and entirely paid for, with stock now having a par value of over $245 per share. The salesroom and offices are on the first floor. In the basement is a commodious apartment in which to keep and display cut flowers. This is cooled by the admission of air from the outside and J. Perry, the superintendent, says it is satisfactory in every way. The second story is a well lighted room, large and elegantly fitted up, where the Baltimore Florists' and Gardeners' Club holds its meetings. It is also rented out for entertainments. Mr. Perry says there is no reason why much more good could not be done by the exchange, for instance in the matter of buying of coal, glass and other supplies, that are used in quantities by the trade in that section. He is sure much better prices could be obtained by the purchases being made as a whole and delivered as required. Here is an example of what has been done by co-operation of the craft, a getting together that has brought tangible results. There is scarcely a city of any size in the country, but that could get together in this way and profit by the example set for them by the boys of Baltimore.

K.

Syracuse, N. Y.

The excessive cold and stormy weather of the past two weeks has put a damper on business and except for a number of funerals and social events, trade would have been very dull. The stock is coming in exceptionally well for this time of the year. Trade in general is somewhat duller than it was a year ago owing to the business stagnation. Bulbous stock has been plentiful and is in demand for center pieces.

Henry Smith, superintendent of the state fair grounds and John Smith, his son, who has been acting as gardener under his father, have resigned, to take effect April 1. Mr. Smith had full charge of the state fair greenhouses and every fall set out artistic beds. He has been there for eight years. His successor has not yet been appointed.

Henry Morris has a good display of azaleas, tulips, roses, callas, sweet peas, forget-me-nots, lily of the valley and primroses in 10-inch pans. A popular seller is the American Beauty rose in pots at $1 each.

P. R. Quinlan has had an unusual amount of funeral work. He is cutting violets from his Valley greenhouses and they are selling at $1.50 per 100.

A. J. B.

VINCENNES, IND.—Paul Schultz has had a very good trade recently, a great increase over that of last year.

"The Busiest House in Chicago."

Fancy Ferns, the best, per 1000.....$2.50
Galax Leaves, green and bronze, per case, $7.50; per 1000.. 1.00
Leucothoe Sprays, per 1000, $6.00; per 100..... .75
Wild Smilax, per case..... 5.00
Carnations, largest stock in Chicago. We can fill any sized order. Per 100.....$2.00 to 4.00

Roses, all varieties and grades. **Tulips, Daffodils, Jonquils, Valley**, and all flowers in season.

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51 Wabash Ave., Chicago.
Long Distance Phone Central 3155.

J. A. BUDLONG
37-39 Randolph Street, CHICAGO.
Roses and Carnations A Specialty.....
WHOLESALE GROWER of CUT FLOWERS

Chicago.

STOCK SCARCER, PRICES HIGHER.

The severe weather, ushered in by the storm of last Saturday, has made itself felt on this market in the general shortening of supplies and advance in prices. Particularly is this true in the entire rose line. The glut of American Beauty roses is a thing of the past and prices have gone up one point. Bride and Bridesmaid roses have been even scarcer than they were a week ago. Both are seen in excellent form, the buds being large and shapely and the color of Bridesmaid excellent. Richmond roses are also in excellent condition. Short stems in all varieties seem hard to find. Carnations, in spite of the cold, continue slightly in excess of the demand. Generally speaking the quality is excellent, the flowers on long stems being easily obtainable. White Perfection and Aristocrat seem to be the leaders. Some excellent White Lawson is seen. Bulbous flowers are being received in quantities and the demand is only limited. Harissii lilies and callas are excellent property, a good demand existing in the face of advancing prices. Mignonette seems to be both shorter in supply and in better demand. The supply of violets is far ahead of the call, and not much can be said for the quality of the double. But some very fine home-grown single violets are shown.

At J. A. Budlong's several of the hands are busy at the grafting benches, this being one of the establishments where all rose stock, excepting American Beauty, is grafted. A house of Killarney is to be added this year and this stock will also be grafted. Afterglow is one of the new carnations to be grown here this season. The entire plant is in excellent shape producing nearly to its limit for this season. Bride and Bridesmaid roses of the best shipping grade are in heavy crop.

E. Wienhoeber, John Muir and Leonard Kill have been appointed to represent the florists on the business men's relief committee. The trade is asked to contribute clothing for the needy.

The S. L. Randall Co. reports good orders being received from their traveling salesman, F. J. Farney, who was recently heard from at Detroit, Mich. St. Valentine's day specialties are now the order in the supply line.

J. B. Deamud is back at his desk after experiencing 28° below zero in Michigan. This house is now receiving some exceptionally fine carnations, Enchantress, Lady Bountiful and Lawson appearing at their best.

A vase of white lilac was seen this week side by side with a vase of Winona carnations at Kennicott Bros. Co. This new carnation is reported in large demand, its color commending it to all buyers.

The Poehlmann Bros. Co. is cutting some very fancy Proserpine tulips, also lily of the valley. Some Richmond roses with stems over four feet long were seen here the past week.

Wietor Bros. are cutting some very fancy carnations. White Lawson has seldom, if ever, appeared better than at this range. Other varieties are doing equally well.

Some of the South Park Commissioners are criticized in the daily press as having made favorable real estate deals near parks which they located.

Peter Reinberg's plant is producing its usual heavy cut of roses. He is fortunate in having a good crop of American Beauty on in one of his ranges.

Chas. S. Stewart has severed his connection with the E. F. Winterson Co., and contemplates going into the retail cut flower business again.

Fritz Bahr, of Highland Park, is back from Cuba much impressed with the possibilities of that country. He also visited the Isle of Pines.

Mrs. May Hauswirth was appointed administratrix of the estate of P. J. Hauswirth in the probate court last week.

Michael Barker, of THE AMERICAN FLORIST, is taking a vacation and business trip through the South.

The Eaton Flower Shop is advertised for sale. It should be a good stand.

And the ground hog saw his shadow.

Visitors: C. S. Kunz, Manitowoc, Wis.; W. J. Sheap, Jackson, Mich.; Robt. C. Whitehill, representing Hammond's Slug Shot Works, Fishkill-on-Hudson, N. Y.; Chas. W. Reimers, Louisville, Ky.

Kennicott Brothers Company,

WHOLESALE CUT FLOWERS.

48-50 Wabash Ave.,
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Did you see WINONA at the convention? If not, see the cut at our store. We handle and sell the cut.

We will have anything in the line of CUT FLOWERS and Greens that you may want if anybody has at Chicago market prices on day of shipment.

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WIETOR BROS.

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	Per doz.
American Beauties, extra long stems	$5 00
30-inch stems	4 00
24-inch stems	3 50
20-inch stems	3 00
18-inch stems	2 00
15-inch stems	1 50
12-inch stems	1 25
8-inch stems	75c to 1 00

	Per 100
Bride	$ 6 00 to $10 00
Bridesmaid, fancy	6 00 to 10 00
Killarney, fancy	10 00
" good	5 00 to 7 00
Kate Moulton, fancy	10 00
" " good	5 00 to 7 00
Richmond, fancy	10 00 to 15 00
" good	6 00 to 8 00

	Per 100
Chatenay, fancy	$10 00 to $12 00
" good	6 00 to 8 0
Uncle John, fancy	6 00 to 10 00
Perle	4 00 to 8 00

ROSES, Our Selection, $4.00 per 100

	Per 100
CARNATIONS, fancy	$4 00
" good	3 00

All other stock at lowest market rates. The above prices are for select stock. Extra select or inferior stock billed accordingly. No charge for packing. Prices subject to change without notice.

Roses, Violets, Carnations and other CUT FLOWERS of best quality

E. H. HUNT

SEND FOR PRICE LIST.

76 Wabash Avenue, CHICAGO.

Florists' Supplies AND Novelties.

E. C. AMLING

THE LARGEST, BEST EQUIPPED, MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.

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From 40 to 60 Growers.

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Chas. W. McKellar

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Fancy Stock in VIOLETS VALLEY, ROSES, BEAUTIES, CARNATIONS and a full line of all Cut-Flowers, Greens, Wire-Work and FLORISTS' SUPPLIES.

Send for Complete Catalogue.

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Wholesale Growers and Shippers of CUT FLOWERS

59 Wabash Ave., CHICAGO.

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Write for our wholesale price list.

WHOLESALE FLORISTS

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All telegraph and telephone orders gvien prompt attention.

Greenhouses: MORTON GROVE, ILL. 35-37 Randolph St., CHICAGO.

Wholesale Flower Markets

CHICAGO. Feb. 5.

Roses, Beauty, extra fancy	$ 5 00
" " 24 to 30-in. stems.	4 00
" " 12 to 20-in. stems.	1 25@ 3 00
" " Short stems	75@ 1 00
" Killarney	6 00@15 00
" Bride, Maid, Ivory, Gate..	6 00@10 00
" Liberty, Richmond	6 00@15 00
" Chatenay, Perle	6 00@12 00
Carnations	1 50@ 4 00
Violets	25@ 75
Lilium Harrisii, per doz.	2 00@ 2 50
Callas, per doz.	2 00@ 2 50
Cattleyas, per doz.	6 00
Lily of the valley	2 00@ 4 00
Pansies	1 00@ 1 50
Tuberoses	5 00@ 6 00
Stevia	2 00
Smilax, per doz.	2 00
Asp. Plu. & Sprengeri, bunch.	50
Asparagus strings, each.	75
Adiantum, per 100.	75@1 00
Leucothoe sprays	75@ 1 00
Ferns, per 1000.	2 00
Galax, green, per 1000.	1 00
" bronze, per 1000.	1 50
Boxwood, per bunch.	35
Sheet moss, per bag	3 50

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO,

Wholesale Dealers and Growers of Cut Flowers

GREENHOUSES: HINSDALE, ILL.

Vaughan & Sperry,

Wholesale Florists,

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WRITE FOR SPECIAL PRICES.

The Geo. Wittbold Co.

1657-1659 Buckingham Place, CHICAGO.

The only retail florist in Chicago who grows his own cut flowers.

Funeral Work Orders Our Specialty.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

Fancy White Lilac

The Fancy White Flower of the Season **$1.50 per bunch.**

A. L. Randall Co. 19-21 Randolph St., Chicago.

Wholesale Florists and Manufacturers, Importers and Jobbers in everything in

FLORISTS' AND GROWERS' SUPPLIES.

Mention the American Florist when writing

St. Louis.

FUNERAL WORK PLENTIFUL.

The weather the past week has been more wintry than we have as yet experienced so far this winter, cold and clear. On Carnation Day the thermometer registered 8° above zero but carnations were seen everywhere. Pinks and reds were mostly in demand, yet other colors were worn. Three, four and five cents was the price for dark pink and red and all were cleaned up. The demand for white stock keeps up as there is a great deal of funeral work. Roses are in good demand and bring good prices. Callas and Lilium Harrisii are coming in and disposed of at good prices; even violets, which have been very plentiful, took a brace and have risen to $4 per 1,000, but this cold weather will retard transient trade in this flower somewhat and with bright, clear, cold days stock in violets will accumulate and down will go the price. Tulips and jonquils are selling fairly well. Sweet peas are improving and arriving with longer stems.

NOTES.

The ordinances putting the employes of the Forestry Department on salaries and providing more stringent regulations against trimming and damaging shade trees which had been held up for some time were passed by the house of delegates. Andrew Meyer, Jr., city forester, deserves great credit for the framing up and pushing through of these ordinances.

Young & Sons were especially busy this week; they furnished the casket cover at Frank R. O'Niel's funeral. The beautiful window decoration by Willie Dee, who has charge of this department, shows him to be a natural decorator.

Fred Foster at the Century building has his windows looking well. He inserts a sign in the window "Roses 25 cents per dozen" as a drawing card. These, however, are not long-stemmed American Beauty roses.

John Nyflot, the florist opposite Calvary cemetery gate, is building a new residence and store which, when finshed, will be a beauty. He raises a large quantity of bedding stock which he disposes of at retail.

The spring flower show, to be given by the Horticultural Society, promises to be fully up to the standard and will equal if not surpass that of last year.

Max Rotter had several large funeral orders during the past week. He was in the wholesale district daily hunting white stock.

All the down-town storekeepers showed McKinley pictures on Carnation Day and helped to boost the sale of this flower.

Mrs. Buechel of the Riessen Floral Co. has completely recovered from the accident she experienced last week.

John Burke is establishing a fine trade for cut flowers at his busy corner at Sixth and Locust streets.

St. Louis Seed Co. is busy with extra hands filling vegetable and seed packages.

The Easton Floral Co., managed by Miss Lottie, reports business very good.

Henry Lorenz, of Park avenue, is around and always seems to be busy. W. F.

Cincinnati.

ROSES AND CARNATIONS SCARCE.

We have no complaint to make as far as trade is concerned, only a shortening up of roses and carnations all along the line, which at times makes it a difficult matter to fill orders. On Saturday a blizzard set in that sent the thermometer below zero and this undoubtedly will help keep the market short of flowers for a few days, with the exception of bulbous stock, which is coming along in fine shape and seems to be in good demand. Callas and Lilium Harrisii are scarce and everything coming along in this line is eagerly bought up. Lily of the valley is fine and sells out clean every day and the same may be said of good single violets. In the green goods line both Asparagus Sprengeri and A. plumosus are shortening up but we have an unlimited supply of smilax to fall back on.

NOTES.

Tromey's Flower Shop decorated the front of the store with pink carnations tied in wild smilax, with a large picture of McKinley in the center for Carnation Day, January 29. Mr. Tromey claims his efforts were liberally rewarded by the amount of carnations sold on this day.

The writer received a telephone message saying that J. B. Heiss of Dayton dropped dead near his place on Saturday. Mr. Heiss was a frequent visitor to our city and had many friends in the trade here who will join in sending their heartfelt sympathy to the bereaved family.

Miss Edith Kyrk of Avondale had the decorations for the Wiltsee reception last Thursday that was done in American Beauty and Killarney roses, Enchantress carnations and wild smilax, which made a decided hit with the guests.

Hardesty & Co. were unusually busy the past week with funeral work and several swell dinners at the St. Nicholas and Sinton hotels.

George & Allan are sending in some extra well grown tulips and daffodils which meet with a ready sale.

Tom Windram is cutting a fine lot of white carnations that prove to be good property at the present writing.

R. D. Ruttle of Covington, Ky., is one of the big buyers in this market and does a fine business. S.

Springfield, O.

Charles C. Leedle, whose portrait we give herewith, president of the Leedle Floral Co., together with Charles P. Brunner, Henry J. Roth, Mark M. Livingston and James Sager, have filed articles of incorporation with the secretary of state at Columbus for the formation of The Leedle Rosary Co.

Early in the spring this company will erect a large range of glass near The Leedle Floral Co.'s houses, which will be devoted entirely to the growing of roses for cut flowers and will be equipped with modern appliances for heating, ventilating and watering.

Mr. Leedle will give his attention to both companies. His son, Arthur C. Leedle, will be active in the management of the new company. Mr. Leedle is a natural born florist as well as a thorough business man, and judging from the success of The Leedle Floral Co. in growing and shipping rose plants, the new company will surely meet with success in growing roses for cut flowers.

Cleveland.

TRADE VARIABLE.

Business the past week has been such that one would wonder what was coming next. The first part started in good shape, with most all lines of stock sold. The middle of the week business slumped and by the end it was impossible to move stock, even at a low figure. Carnations are coming in with a rush; although the quality is excellent they move unusually slow for this time of the year. The result is that the prices have dropped considerably. American Beauty rose is scarce and the quality poor. The demand for this stock is greater than the supply. Richmond, Killarney, Bride and Bridesmaid are above par; they leave nothing to be desired in stem, color and flower, but they do not bring as high a price as might be expected. Tulips and daffodils hold their own and the same can be said of sweet peas and daisies. We had a genuine old-fashioned blizzard the latter part of the week, consequently the trains were several hours late. Numerous uncharitable words and phrases were heard in the wholesale district, but these did not help matters any as the stock did not arrive until after 10 o'clock. Monday saw no increase in business, but it did see an increase in the amount of stock that was coming in.

NOTES.

At Kirchner's on Quincy avenue we found the proprietor, T. J. Kirchner, hustling and busy as usual. In the houses we found several good benches of Boston ferns, all pot-grown, that were well done, also lilies, azaleas, bulb stock of all kinds and spring bedding stock that can be sold in a retail establishment. The cut flower houses are located on the farm out of the city, at this place; mostly carnations are grown and the cut shows up equal to any in this market. The retail place is one of the best equipped places for making up work and handling a retail business in this city and is always kept in good condition, cleanliness being the word throughout.

The writer recently paid a visit to the rose growing establishment of Isaac Kennedy at West Park. This is a modern range of glass, built in the last few years, and is planted entirely to Bride and Bridesmaid, some of the stock being six years old, but all of them in the best possible condition, showing a wonderful growth. From this place come the specials seen in this market and some of the finest stock produced in this part of the country. Mr. Kennedy has a white sport from Bride, the difference being in the size of flower and growth, that will be heard from later on.

The carnation exhibition takes place February 10. All are welcome to attend.

FORESTER.

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations and all kinds of Seasonable Flowers in stock.

WM. F. KASTING CO. Wholesale Commission Florists.

BUFFALO, N. Y.

Florists' Supplies and Wire Designs.

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J. M. McCullough's Sons Co.

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Special attention given to Shipping Orders.

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316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Columbus, O.

FUNERAL WORK PLENTIFUL.

Business is picking up in great shape, the constantly changing weather causing quite a few deaths. Stock has been a little scarce, but not enough to cause alarm. There was quite a call for white last week, especially white roses. There was also a slight demand for American Beauty. Dutch hyacinths are just beginning to show up but as yet the cutting is very light.

NOTES.

The Fifth Avenue Floral Co. reports that a nice lot of carnations and is cutting as high as 1,200 per day.

Last Tuesday the bowling club met for a couple of hours' sport. The highest scores were as follows:

McKellar	152
Curry	141
Blum	141
Seibert	130
Munk	130

Jake Ruchert, one of the stars usually, got rattled for some reason or other and succeeded in spoiling his record. He promises better next time.

CARL.

Dayton, O.

Recent trade has been good, just about using up stock. W. G. Matthews has joined the charity workers band by donating corn meal for the unemployed.

H. H. Ritter mourns the loss of a brother-in-law, who died last week at Arcanum.

W. S. Horlacher takes an optimistic view of the spring trade in this section.

The Miami Floral Co. has added to its staff John Ewing, formerly of Elgin, Ill. Geo. Bartholomew, of this company, has a very fine cut of carnations and roses coming in with brisk shipping demand and good prices.

A special meeting of the Florists' Club was held at H. H. Ritter's to arrange for the attendance of the club in a body at the funeral of J. B. Heiss. The club contributed a splendid Trinity cross. The death of Mr. Heiss will be keenly felt, he being a prime mover in the club.

Wholesale Flower Markets

CLEVELAND, Feb. 5.

Roses, Beauty	75@ 6 00
" Bride, Maid	4 00@12 00
" Richmond, Chatenay	4 00@12 00
Carnations	3 00@ 5 00
Lilies	12 50
Lily of the valley	3 00@ 4 00
Violets	50@ 1 00
Asparagus plumosus strings	75 00@100 00
" per bunch	35c@50c
" Sprengeri, per bunch	35c@50c
Smilax	15 00@18 00
Adiantum	1 00@ 1 50
Common ferns, per 1000	$2 00
Galax, green	1 25
Galax, bronze	1 25
Roman hyacinths	3 00@4 00
Paper Whites	3 00@4 00
Stevia	1 00@ 1 50
Pansies	1 50
Sweet peas	1 00@ 1 50

BUFFALO, Feb. 5.

Roses, American Beauty	7 00@50 00
" Bride, Bridesmaid, Meteor	4 00@15 00
Carnations	2 00@ 4 00
Lily of the valley	3 00@ 4 00
Asparagus, strings	50 00@60 00
Smilax	15 00
Adiantum	50@ 1 50
Lilies	4 00@15 00
Galax	per 1000, $1 50
Ferns	per 1000, 2 00
Violets	50@ 1 00
Mignonette	3 00@ 5 00
Narcissus	2 00@ 3 00
Sweet peas	40@ 1 00
Stevia	1 00@ 1 25
Hyacinths	2 00@ 3 00
Freesias	2 00@ 3 00
Tulips	3 00@ 4 00
Daffodils	3 00@ 4 00
Jonquil	3 00@ 3 50
Leucothœ sprays	75
Sprengeri	per bunch, 25 50
Asparagus	per bunch, 25@ 50

MILWAUKEE, Feb. 5.

Roses, Beauty	75@ 4 00
" Liberty, Chatenay	3 00@10 00
" Bride, Bridesmaid	3 00@10 00
" Meteor, Golden Gate	3 00@10 00
" Perle	4 00@ 6 00
Carnations	2 00@ 4 00
Smilax	$1 50 per doz.
Asparagus, sprays	3 00
" Sprengeri	2 00@ 3 00
Lily of the valley	3 00@ 4 00
Adiantum	1 50
Violets	50@ 1 00
Common ferns	$2 00 per 1000
Harrisii	$2 00 per doz.
Paper Whites	2 00@ 3 00
Romans	2 00@ 3 00
Stevia	1 50@ 2 00
Tulips	2 00@ 3 00
Trumpets	3 00@ 4 00
Daffodils	3 00@ 4 00
Sweet peas	50@ 1 00

ST LOUIS, Feb. 5.

Roses, Beauty, long stems	3 00@ 3 50
" " medium stems	1 50@ 2 00
" " short stems	2 50@ 1 00
" Bride	4 00@10 00
" Bridesmaid	4 00@10 00
" Chatenay, Richmond	4 00@10 00
" Killarney	4 00@10 00
Carnations, common	1 50@ 2 00
" best	3 00@ 5 00
Smilax	12 50@15 00
Asparagus Sprengeri	1 00@ 2 00
" plumosus, strings	25 00@40 00
" cut sprays	1 00@ 2 00
Ferns, Fancy	per 1000, $2 00
Lily of the valley	3 00@ 4 00
Violets, California	40@ 50
Narcissus	2 00@ 3 00
Callas	12 50@15 00
Sweet peas	50@ 1 00
Roman hyacinths	2 00@ 3 00

CINCINNATI, Feb. 5.

Roses, Beauty	$2 00@$ 6 00
" Bride, Bridesmaid	3 00@ 8 00
" Richmond	4 00@ 8 00
" Golden Gate	4 00@ 8 00
" Ivory	4 00@ 8 00
Carnations	3 00@ 4 00
Lily of the valley	4 00
Violets	1 00
Daisies	30
Callas	10 00@12 50
Harissii	15 00
Roman hyacinths	3 00
Narcissus	3 00
Smilax	12 50@15 00
Asparagus plumosus and Sprenger in bunches	per bunch 25c
Eastern Ferns	per 1000, $2 00
Galax, Green and Bronze	$1 00

Milwaukee.

H. W. Koerner, the dahlia and gladioli specialist, is building a warehouse 18x100 feet, with a cold storage cellar underneath, which will be used for storing dahlias. The warehouse will be for packing, shipping and potting plants, and a cold storage room for cut flowers. He is also going to build some greenhouses, but it is not known yet how much space he is going to cover. Everything is to be built of concrete, walls, floors, roof, potting and packing tables, all the bins in the cellar, stairways, the greenhouse walls, walks and benches, a tank holding 200 barrels of water, 14 feet above the ground. Mr. Koerner says he thinks this will be the first plant of its kind where there will be no lumber used, except doors, sash and rafters, in the whole construction.

Buffalo Cut Flower Co.

468 Washington St.,

BUFFALO, N. Y.

J. N. BAILEY, Manager.

YOU

Give us your order. Guarantee satisfaction. We handle only the best

Carnations, Roses, Violets, Valley,

Etc. Also Wire Designs and all kinds of supplies.

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128 E. Third St., CINCINNATI, OHIO.

Wholesale Growers and Shippers of Cut Flowers.

Greenhouses, NEW CASTLE, IND.

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115 N. 6th St., MINNEAPOLIS, MINN.

CUT FLOWERS received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities.

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Spring Flowers SINGLE TRUMPETS, WHITE LILACS, WHITE and YELLOW DAISIES.
SWEET PEAS, PANSIES, TULIPS.
THE LEO NIESSEN CO., Wholesale Florists, 1209 Arch St., Philadelphia, Pa.

Wholesale Cut Flowers Killarneys, Valley, Carnations in large lots at lowest market prices. Consignments solicited of Ivory, Maids and Beauties. Settlements Weekly.
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WHOLESALE CUT FLOWERS. Valley, American Beauties, Brides and Maids, Sprengeri, Asparagus Plumosus, Carnations and Violets, all seasonable flowers. Large stock of Stevia on hand can supply you at lowest market prices on short notice. Telephone or telegraph when you need cut flowers to
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Tel. Main 2617-2618. All orders will have prompt attention. A trial order will convince you.

Philadelphia.

CARNATIONS OVER PLENTIFUL.

"There is no snap to it;" so said a wholesaler when asked how business was going and this about sizes up the situation at this time. A little doing all the time, but not enough to keep the stock fresh, there always being something over that should have been sold the day previous. Carnations seem to be the most plentiful and hardest to move, although the stock is very fine. High grade stock is offered at $4, very good at $3, and in 1,000 lots these figures are almost cut in half. Roses are plentiful, but prices hold fairly well. The best American Beauty is now quoted at $6 per dozen, first grade Liberty and Killarney, $15; Bride and Bridesmaid, $12. Killarney continues to improve and is away ahead of anything else in its color. This rose appears to give the greatest satisfaction to the buyers, who speak of its long keeping qualities and its beauty when full blown. Daffodils and other spring bulbous flowers, such as tulips, freesias, etc., are seen in quantities with prices a shade lower; $3 now buys about the best. Sweet peas are better than ever and will be a strong factor in the market as the season advances. Lilac is fine, very good stock coming in from several growers. There is a fair demand for flowering plants; azaleas, cinerarias, daisies and primroses are most in evidence. A few very well flowered cyclamens are also seen. If the growers of cyclamens could only learn the trick of getting the same amount of flowers per plant at Christmas, all bank accounts would be much better for it.

NOTES.

The February meeting of the Florists' Club held on Tuesday evening was a most interesting gathering. The exhibits were large and while mostly consisting of carnations there were several very good things on view. The carnations staged by E. A. Harvey and Son, of Brandywine Summit, some 10 vases, were very fine as were those of the other principal exhibitor E. A. Stroud. The vase of seeding No. 100 of the Joseph Heacock Co., a fine pink, and the flowers staged by Wm. Batchelor, a blush tinted sport of Lawson, were very fine. Other exhibits were the pink sweet pea. Wm. Sim, from E. A. Harvey. Kramer's new rose, Queen Beatrice, showed up better than ever and sprays of Clematis indivisa, a white flowered variety, a very good thing from New Zealand. The paper of Mr. Harvey was full of his best experience and is a very valuable essay. It was voted to have a dinner during Lent. The money left over from the entertainment fund of last summer, a goodly sum, was voted to be turned into the club treasury. Discussion of Mr. Harvey's paper was very interesting, bringing out some valuable points from the members present.

All the Washington visitors report themselves much pleased with their visit. They declare the exhibits in many ways ahead of any previous shows. The only drawback is the very transitory life of the display, which was much past its beauty by Wednesday evening, only about 24 hours after the opening. It was said that the heat of the hall and the condition of the atmosphere caused by the great number of cigars being burned at the same time, the smoke being so thick that it could be cut with a knife, had much to do with the short life of the flowers. A lot of "no smoking" signs should be prepared for next year's show, as an experiment.

The large house at North Wales had a great trial in high winds on Sunday last. A more riotous and blasting day outside of a cyclone has not been seen here for a long time. The force of the wind was tremendous, but while the roof undulated considerably at times, it suffered no loss beyond about 25 panes of glass. There was no difficulty in keeping up the heat, although there was from 15° to 20° of frost, which, with the high wind, makes a most severe strain on the heating apparatus.

The Robt. Craig Co. shipped a large order of Ficus pandurata last week to New York, something over $750 worth, which shows how popular this plant is getting to be. Visitors to the president last week called favorable attention to the number of these plants used in the White House decorations.

Robt. Craig and John N. May stopped over in Baltimore to see John Cook's new rose, My Maryland. They both think it a lovely variety and one sure to be generally grown.

Wm. P. Craig says he booked a lot of orders for the new rose, Mrs. Jardine, which made a fine show in the hall and afterwards on the banquet table on Thursday night.

Wm. Kleinheinz is proud of winning the H. F. Michell cup. Mr. Kleinheinz is always a hard worker and something out of the ordinary has to be staged to beat him.

John McIntyre is making preparations to handle daffodils in quantity. When his southern stock arrives he will be able to fill orders for any quantity.

Joseph Heacock, Wyncote, is well pleased with his success, getting a certificate for his new pink one. It is certainly a fine thing.

Wm. McKissick's Richmond roses are in great demand, his special stock being fit for the exhibition table at almost any show.

The Leo. Niessen Co. is right in it with a fine assortment of spring flowers, bulbous stock and sweet peas in variety. K.

Convention City Notes

The cut flower stores of Washington, D. C., are for the most part commodious with large show windows, quite a number having the added advantage of corner locations with a front on the streets; Messrs. Small, The Washington Cut Flower Co., Cooke and Blackistone being so situated. Great attention is paid to window and store decoration. Gude Bros. have an effective setting in one of their windows in honor of McKinley's birthday. A large flag was thrown over an easel, in the center of which was placed a picture of the former president; around this was a large crescent wreath of bronze magnolia leaves, tied in the center with small flags. It was very effective and attracted a great deal of notice from the passers-by. The interior of the store was made gay with a fine collection of flowering plants, arranged around each side; a lot of white lilacs in pots being very showy and effective. Z. D. Blackistone had a fine window display of carnations, roses and blooming plants.

The windows of The Washington Cut Flower Co. were made gay with spring flowers and carnations, the firm having a very fine lot of Enchantress. Their mirrored cool room, in which the choice stock is kept, is large enough for several people to move around in at one time. It is mirrored on top and all sides, which makes the stock appear very large. Nearly all the flowers are from the firm's own nurseries and show good culture. A vase of the red rose, Cardinal, standing alongside of another of Richmond lost nothing by comparison and they say it is a good seller.

J. R. Freeman's large window, was full of flowers. Primula obconica and fine plants covered the floor, while suspended vases, of different kinds of cut flowers, filled the space to the top.

George Cooke had a nice window display of spring flowers; cut daffodils, azaleas and lilacs in pots. A large lilac plant, rather bare at the bottom, was made to look much more presentable and quite natural, with bunches of leaves stuck in the pot. Some pretty dou-

CARNATIONS, TULIPS, ROSES.

Very Fine. White, Yellow, Red. Finest Quality.

Pittsburg Florists' Exchange, 15 Diamond Square, **Pittsburg, Pa.**

NOW READY

to fill orders for AMERICAN BEAUTIES, LILY OF THE VALLEY, CARNATIONS, and all varieties of TEA ROSES in lots of one hundred to one thousand at short notice. Get our prices before ordering elsewhere.

WELCH BROTHERS, 226 Devonshire St., BOSTON, MASS.

Asparagus Plumosus Nanus Plants

From 2¼-inch pots.
$3.50 per 100, $30.00 per 1000.

W. H. ELLIOTT, Brighton, Mass.

Pittsburg Cut Flower Co.
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WHOLESALE FLORISTS
222 Oliver Ave. PITTSBURG, PA.

CARNATIONS in quantity. Special prices on large orders.
ABSOLUTELY THE BEST POSSIBLE SERVICE.
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J. B. Murdoch & Co.
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All Seasonable Flowers.

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CHRYSANTHEMUMS: Rooted Cuttings—Halliday, Byron, Monrovia, Cheltoni, Yellow Eaton White and Yellow Bonnaffon. $15.00 per 1000 Unrooted Cuttings—$7.50 per 1000.

Wholesale Flower Markets

PHILADELPHIA, Feb. 5.

Roses, Tea	6 00@ 8 00
" " extra	15 00@20 00
" Liberty	10 00@25 00
" Queen of Edgely, extra	50 00@75 00
" " " first	25 00@40 00
" Beauty, extra	50 00@75 00
" " first	25 00@40 00
Carnations	2 50@ 6 00
Lily of the valley	3 00@ 5 00
Asparagus, bunch	50 00
Smilax	15 00@20 00
Adiantum	1 00@ 1 50
Violets, single	50@ 75
" double	1 00@ 1 50
Cattleyas	50 00@60 00
Cypripediums	5 00
Lilium Harrisii	12 00@15 00
Mignonette	3 00@ 6 00

PITTSBURG, Feb. 5.

Roses, Beauty, specials	30 00@40 00
" " extras	20 00@25 00
" " No. 1	10 00@12 00
" " ordinary	6 00
" Bride, Bridesmaid	6 00@12 00
" Chatenay	6 00@12 00
" Richmond	6 00@12 00
" Cusin	6 00
" Perle	6 00
" Killarney	6 00@15 00
Carnations	2 00@ 4 00
Lily of the valley	4 00
Smilax	12 50
Asparagus, strings	50 00
" Sprengeri	3 00@ 4 00
Lilies	12 50@15 00
Adiantum	1 00@ 1 25
Violets	50@ 75
Cattleyas	30 00@60 00
Paper White Narcissus	2 00@ 3 00
Romans	2 00@ 3 00
Cypripediums	15 00
Stevia	2 00@ 3 00
Sweet peas	50@ 1 00

BOSTON, Feb. 5.

Roses, Beauty best	35 00@50 00
" " medium	20 00@25 00
" " culls	6 00@12 00
" Bride, Bridesmaid	1 00@ 2 00
" Extra	4 00@ 8 00
" Liberty	8 00@12 00
Carnations	1 00@ 3 00
" Fancy	3 00@ 5 00
Smilax	8 00@12 00
Adiantum	75@ 1 25
Asparagus	35 00@ 0 00
Harrissi	10 00@12 00
Callas	8 00@12 00
Stevia	1 00@ 1 50
Daffodils	2 00@ 4 00
Narcissus	1 00@ 3 00
Sweet peas	50@ 1 00

ble poinsettias were noticed here. Mr. Cooke says that poinsettias will keep for a long time, by filling the vase in which they are placed with hot water, just below scalding, and allowing them to remain until wanted for use. If placed in cold water and used in a window they would wilt in a short time, but with this treatment they will last until too old for use.

F. H. Kramer's Queen Beatrice rose was the attraction in the front decoration; there were fine flowers and he assured me they had stood three days in the carnation show. This was a great test, as generally such treatment is enough to ruin any cut flower, but this stock, while open, was still fresh looking without any sign of wilting. This certainly has the points of a good commercial sort, the foliage being fine and the stem, of even the small flowers, being stiff and erect.

The Washington Rose Co., across the street, had a showy window, advertising principally funeral designs; these, made mostly of milkweed balls, gave an idea of style and size, which could be carried out in flowers. In the central market, where quite a business is done in cut flowers, this idea is also carried out with waxed flowers; imitation roses of different colors are made into designs, giving an idea of form and size, which is carried out with natural flowers, although many of the made-up pieces are sold to be used at once. Quite a large stock of roses, carnations, tulips, in fact all kinds of flowers are displayed here in the market stalls, where they keep very well, and, on market days, three days per week, a very nice business is done. Business is carried on here by Kramer, Slye & Thomas, Schellhorn, Garden, Bowdler and Studer.

C. Schellhorn had several vases of the old time favorite rose, Meteor. This he claims to be the most prolific rose in cultivation, as he can cut four times more from this than from any other variety and he has grown them all. The large vase of Alma Ward carnations presented to President Roosevelt, on the day of the visit of the society to the White House contained the very best carnations that have ever been grown up to this time. As the line passed the president, Wm. P. Craig, noticing that Mr. Roosevelt was without a boutonnier, presented his, which was gracefully accepted.

Mr. Pfister's establishment, on Connecticut avenue, has been much improved the past season, the next door building being taken in, which gives much needed room and makes a very light and pleasant store.

Washington has set the pace in many things but the latest addition in buildings, the new Union station, stands head and shoulders above anything else of its kind in this or any other country. The corridor of the train shed, in which the passengers congregate, before the gates are open, is nearly 800 feet long by 150 wide, all covered with one span or arched roof. Every other part of the depot is on the same grand scale which must be seen to be appreciated.

Small's windows were decorated with American Beauty roses, azaleas and spring flowers.

K.

Pittsburg.

ROSES IN SHORT SUPPLY.

The extremely cold weather has cut short the supply of roses to a great extent, white being very scarce. The carnation supply has not suffered so much and there seems to be plenty for everyone excepting white, which is being used for funeral work. Bulb stock of all kinds is plentiful, good jonquils making a nice addition. Tulips are in fine condition, while lilies are not at their best. Carnation Day orders helped clean up the surplus of carnations which then existed.

August Pochlmann, Chicago, J. S. Wilson, Western Springs, Ill., Nick Zweifel, Milwaukee, Wis., and J. A. Evans, Richmond, Ind., stopped off on their way home from the Washington convention. While here they visited the Pittsburg Rose and Carnation Co., at Bakerstown.

Visitors at Fred Burki's, returning from the convention, found the stock very fine and about the best built range of houses around the Ohio river. Carnations, roses and Asparagus plumosus claim most of the space.

Mrs. Jacob Baldinger, who ran a stand for years in the Diamond market, died February 1.

E. C. Ludwig and family are spending the winter in Los Angeles, Calif.

J.

GRAND RAPIDS, MICH.—J. F. Nellest, who has just completed the geological map of Michigan, will start in the florist business in the spring. Mr. Nellest has a greenhouse in which he raises lettuce and other vegetables for the market, but has recently taken up the floral branch of the business and will extend it.

BOSTON, MASS.—Robert Cameron, superintendent of the Harvard Botanic Garden, gave an interesting lecture, January 25, on "Annuals and Biennials" in Horticultural Hall. He gave a long list of annuals, with suggestions as to their cultivation, and told which are best for cut flowers and for bedding, as well as for school gardens.

THE WHOLESALE CUT FLOWER DISTRICT, TWENTY-EIGHTH STREET, NEW YORK, JANUARY, 1908.

New York.

MARKET UNSTABLE.

With zero weather and pouring rain, coming within a short space of 48 hours, it is easy to imagine that the market would be unstable and unsatisfactory. Roses have not been over plentiful, and the better grades are moving better than most stocks. Of carnations and bulbous stock, there is a great supply, and it would be a relief to see the market cleaned up. It would seem that we have fallen on sad days, when the wholesale market is affected by street trade; but during the cold snap which made it impossible for the violet peddlers to do business, the effect was noticeable in violets. Saturday, which is usually depended on to brighten up a bit, was ushered in by a hurricane and pouring rain, and it was only necessity that brought anybody out. It is agreed that conditions might be worse, but they could likewise be much better, and it is hoped that something will be doing before Lent comes in.

February 3.—Cold and blustry weather is not improving violet conditions. Good roses are going fairly well but the carnation market is very stagnant and there is no relief in sight. Prices on violets and bulbous stocks are also demoralized.

NOTES.

The wholesale district has been much interested in the American Carnation Society convention at Washington, D. C. Several of the leading wholesale dealers have been in attendance. President Traendly, of the S. A. F., John Young, A. J. Guttman, Alfred H. Langjahr. Eugene Dailledouze, John Birnie, and other well known figures were present. C. W. Ward, of Queens, and F. R. Pierson, of Tarrytown, may not, strictly speaking, be of the wholesale district; the wholesale district, however, is greatly interested in them and their doings, and we hope that they are interested in us; both were present at the convention, taking an active part, and the honors awarded their exhibits, will be found in convention reports.

The first annual ball of the Greek-American Retail Florist and Growers' Association, was held at Palm Garden, Fifty-eighth street and Lexington avenue, January 31. The committees were as follows:

Committee of Arrangement—J. G. Garlaftes (chairman), James Tryforos, John Doganjes, Theo. Carampas, N. Lales, J. Andrianopoupos and C. Stavrianopoulos.

Floor—G. D. Nicholas (ex-officio), N. Lales and John S. Nicholas.

Reception—Geo. Cotsonas, Jas. Soleriades, Theo. Carampas, S. Lappos, S. Calamaras, John Doganjes, C. Stavrianopoulos and P. Theophilopoulos. X. G. Varem was floor manager, and John Andrianopoulos, his assistant.

The grand march at the Greek ball was led by D. N. Bottasi, Greek consul at this city, and the Countess Ralli. Over the orchestra stand, there was a magnificent horseshoe of Liberty roses presented by John S. Nicholas, a well known retailer of the Grand Central station.

A number of the leading American wholesalers were present, and they pronounce it one of the best managed and orderly events that has ever been given in connection with any branch of the florists' business in this city. The proceeds will be used for the foundation fund for the Greek school here.

The new firm which takes the Thomas Young, Jr., store, 43 West Twenty-eighth street, will be known as Millang Bros., consisting of Charles and August Millang. The business will be conducted as a wholesale store, making a specialty of cut flowers. The Millang family has long been identified with the florist business and all its members have a thorough knowledge of the wants of the trade. This firm should have liberal patronage.

The store at 43 West Twenty-eight street which has, for a number of years, been conducted by Thos. Young, Jr., has been taken by Chas. Millang, now of Twenty-ninth street. It is understood that the increasing business of Mr. Young's Fifth avenue store renders it imperative that he devote all his time to that center of activity. Other enterprises also demand his attention.

The wholesalers of Twenty-eighth street, have just awakened to the fact, that they have among them a prototype of the great Napoleon in the person of A. H. Langjahr. He looks like Napoleon, his pose is Napoleonic, and he is a Napoleon in the flower business, which should settle the question.

In the various activities at Washington during the past week there was no figure more prominent and potent than that of Charles Willis Ward, of Queens. He is a man of ability and versatility, or, to be more definite, he does many things, and does them well, and we are all proud of him.

Alexander J. Guttman, who went to the Washington convention, was unfortunate in having a bone felon develop on his thumb. He will have the sincere sympathy of all who have ever had experience with such terrors.

The February meeting of the Florists' Club will be held January 10 in the Murray Hill lyceum, 160 East Thirty-fourth street. There will be an interesting programme and a good attendance is expected.

L. B. Craw, manager for the Lord & Burnham Co., made the trip to the Washington convention, and was a popular figure among the delegates.

PROVIDENCE, R. I.—Frank Budlong, of the Budlong Greenhouses and gardening establishments of this city, is now, with his yacht, at Ft. Myers, Fla.

SAN DIEGO, CAL.—The Floral Association met January 16 at the home of James E. Wadham, corner Ash and Eighth streets, the members turning out to the number of 100. The tastefully decorated parlors easily accommodated the people who at once plunged into an animated discussion of matters pertaining to the proposed show in April. The resulting decision called for a show in the week after Easter, probably April 23-26, and a good list of premiums was arranged.

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" Richmond	2 00@15 00
" Bride, Bridesmaid, G. Gate Special	8 00@10 00
" " No. 1	3 00@ 5 00
" " No. 2	2 00@ 3 00
Carnations, fancy	4 00@ 5 00
" common	1 50@ 2 00
Lilies	10 00@12 00
Lily of the valley	1 50@ 2 00
Asparagus plumosus strings	30 00@50 00
" per doz. bunches	2 00@ 3 00
Smilax	8 00@10 00
Cattleyas	35 00@50 00
Cypripediums	8 00@10 00
Violets	20@ 50
Gardenias	5 00@20 00
Callas, per dozen	1 00@ 1 50
Paper White Narcissus	1 00@ 1 50
Stevia, 8 bunches, $1 00	
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Tulips	1 00@ 1 50

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Propagation of Dahlias and Phloxes.

Few plants are as popular at present as the dahlia and the phlox. The propagation of both is very simple, more so than with a great many other plants, and anyone having a few feet of bench space to spare will do well to get a few roots of dahlias of the best leading varieties and plant same at once, in a temperature of 55°-60° at night. I recommend a bench for this purpose because it is such a temptation to put them under a bench on a shelf where nothing would do well.

Full sunshine is none too good if the best results are to be expected and, as they are of a rather succulent nature, they require all the light they can get. The bench on which they are planted should be deep enough to allow them enough soil to feed on, they being great feeders; five inches deep does very well, with good drainage so that no water stands around them for any length of time, and any good soil made quite sandy suits them. No fertilizer need be used to start with, but after they have been growing a while some feeding in a liquid form is very beneficial. Do not cover very deeply; just enough to keep the crowns moist. Give a good watering first, then water very sparingly till growth starts, and in 20 days, or less with some varieties, there will be plenty of cuttings.

These should be taken rather short and often, two or three times a week if necessary, rather than let them go too long as they will get hollow. There is quite a difference of opinion as to how the cuttings should be taken. Some advocate taking a chip off the bulb along with the cutting to make sure of its rooting, and if taken any other way they have a tendency to produce bulbs which will not send up eyes, or will be blind as it were. We find that by taking them at a joint just above the crown, so as to not entirely destroy the eyes, and make them with a good heel, nearly all of them root, and none of them come blind. Taking them this way they keep coming and it is surprising how many can be got from a few bulbs. While I believe the former method to be a good one where only a few plants are needed, I believe it would be a complete failure where many thousands are needed because naturally the best part of the tuber would be cut away. When in the sand they only need to be kept warm, 65° to 70° bottom with 58° to 63° overhead, or about the same as is used for most soft stock. The cuttings as a rule root very freely but occasionally there may be one that is a little troublesome; still they will all root if given time.

Hardy phlox can be planted in about the same manner as dahlias at this time of the year except that they require a much cooler house. The carnation house is perhaps as good as could be had. They should be watered rather sparingly as they grow very fast, and, as soon as the cuttings have made a good strong growth, they can be cut with a heel like salvias or dahlias and put in the cutting bench with the carnation cuttings. It is not a good plan to plant phlox in the same place twice unless the same variety is used, as they reproduce themselves from roots left in the ground.

J. R.

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To Illinois Florists and Neighbors.

The Illinois State Florists' Association will convene in their third annual convention in the city of Springfield, February 18-19. The local florists' club is making great preparation to entertain its guests and to make their convention one of the best that has ever been held. It particularly requests a good exhibition and calls on all who have anything of merit to bring it here and put it on exhibition; if you cannot come personally send it and it will be taken care of.

The public will be invited to visit the exhibition on Tuesday and it is expected an unusually large number of the citizens of the capital city and surrounding towns will take advantage of it. These open and free exhibitions are good features as they bring before the public the newer varieties of flowers, etc., and cause a demand for them, and also educate the people to a higher appreciation of the florist's art. It is also good for the florist who is not able to visit the many establishments and see the newer varieties growing, and from this viewpoint, as an educational feature, our association laid its plans wisely, when it decided that, at its annual conventions, there should always be an exhibition.

Let me urge upon all who possibly can to attend our convention—whether members or not all will be welcome. Our association stands for Illinois as our national society stands for the United States and through its combined efforts in legislature and other ways can do more to advance the cause of floriculture than anything I know. We shall be pleased to welcome and do cordially invite delegates from other state florist societies and florists' clubs to be with us and participate in the work of our society.

It will give me great pleasure to answer any correspondence in regard to our association and its work, and any of our sister societies who anticipate being with us will kindly let us know. You may possibly learn something from us and we know we will be willing to learn from you. Our association, through its members, has done a noble work in gaining recognition from the state for floriculture and establishing an experiment station. This is only the beginning—better things are in store for us.

The association is full of practical, energetic and patriotic workers who are willing to give of their best for the advancement of our cause. The day is not far distant when we will see a practical course for florists at our university. Illinois is big enough, broad enough and rich enough, and it is for this association to work without ceasing, to attain that higher recognition to which we are entitled as a science and one of the "arts." The reports of our experiment stations will be of an interesting character—also our national show in which the state association will take an active part. Many things of interest will be presented for your consideration and I will say to you one and all, be with us.

ALBERT T. HEY, President.

W. N. Rudd supplements this letter as follows: "I believe this convention should be supported to the fullest possible extent and every effort should be made by President Kill of the Florists' Club and others to take down as large a number of Chicago growers in a body as possible."

A Burbanker.

A farmer who was up-to-date
In tones of glee once said:
"I shall not bank my celery.
I'll Bur-bank it instead."

You should have seen the crop he raised.
Most celery just stalks,
But his could run and leap and jump
About the garden walks.

Nor with it could a person find
The slightest bit of fault.
Among its well blanched leaves there grew
Salt cellars full of salt.

The farmer who was up-to-date
In tones of glee then said:
"I shall not bank my money now.
I'll Bur-bank it instead."

You should have seen what happened then.
With interest it grew.
You have to draw most money, but
His painted, sketched and drew.

He never had to raise it, for
It raised itself, you see.
It sprouted one fine pension and
A large annuity.

And so the farmer up-to-date
In tones of glee then said:
"When you desire to bank a thing,
Just Bur-bank it instead."

—HARPER'S for January.

ASPARAGUS, BOSTONS, AZALEAS,

Plumosus Nanus, 2½-in., $3.50 per 100, $30.00 per 1000; 3-in., 6c; 3½-in., 10c; 4-in., 12c; 5-in., 20c; 6-in., 30c. Comorensis, 2-in., 2c; 2½-in., 3c; 3½-in., 6c. Sprengeri 2½-in., 3c; 3½-in., 8c; 4-in., 10c. Bostons, 2½-in., 4c; 3-in., 8c; 4-in., 15c; 5-in., 25c; 6-in., 40c; 7-in., 65c; 8-in., $1.00 to $1.50; 10-in. $1.50 to $2.00.

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Abutilon, choice mixed	.30	4.00
Acacia, finest mixed	.10	.30
Adonis Aestivalis Pheasant's Eye	.10	.15
Ageratum Mexicanum, Mixed	.10	.15
Imperial Blue Dwf.	.10	.25
Imperial White	.10	.25
Little Dorrit Azure Blue	.10	.25
Blue Star, Very Dwf.	.50	10.00
Alyssum Maritinum, Trailing 1lb $1.25	.10	.15
Carpet of Snow Best Dwf. 1lb $2.50	.10	.30
Little Gem, 1lb .2.00	.10	.25
Amaranthus Caudatus	.10	.15
Salicifolius	.10	.50
Tricolor	.10	.15
Antirrhinum, Dwf. Mixed	.10	.50
Tall Mixed	.10	.20
Queen Victoria, White	.15	.50
Aquilegia Glandulosa vera	.50	5.00
Double Mixed	.15	2.50
Arabis Alpina Nana Compacta	.10	1.00
Arctotis Grandis	.10	.40
Asparagus Sprengeri, 250 seeds, 30c., 1,000 seeds, $1.00. Plumosus Nanus, 250 seeds, 50c., 1,000 seeds, $4.50.		
Asperula Setosa	.10	.15
Asters, Daybreak	.40	2.50
Dwf. Mixed Chrysanthemum	.25	1.00
Giant Comet White to Rose	.25	1.00
Crimson	.25	1.00
Deep Blue	.25	1.00
Pure White	.25	1.00
Light Blue	.25	1.00
Rose	.25	1.00
Mixed	.20	.75
Victoria, White	.35	2.00
Pink	.35	2.00
Lavender	.35	2.00
Mixed	.30	1.50
Hohenzollern	.25	1.00
Ostrich Plume, White	.30	1.50
Ostrich Plume, Mixed	.25	1.00
Semple's Branching, White	.25	.75
Lavender	.25	.75
Shell Pink	.25	.75
Mixed	.20	.50
Queen of the Market, White	.20	.50
Lavender	.20	.50
Light Blue	.20	.50
Crimson	.20	.50
Pink	.20	.50
Purple	.20	.50
Mixed	.15	.40
Double Rose	.40	2.00
Balsam, Prince Bismark	.20	.75
Rose Flowered, White	.20	1.00
Rose	.20	1.00
Crimson	.20	1.00
Purple	.20	1.00
Camellia, Mixed	.10	.40

Name	Trade Pkt.	oz.
Banana, per seed	.01	
Begonia, Semperflorens Mixed	.25	1.50
Vernon	.25	3.50
Rex, per 1,000		
Brachycome, Mixed	.15	.40
Browallia Speciosa Major	.50	
Cacalia Coccinea, Mixed	.10	.15
Calceolaria Grandiflora, ½ pkt. $.60	1.00	
Calendula, Meteor		.10
Pure Gold		.10
Mixed		.10
Calliopsis; Golden Wave	.10	.15
Mixed	.10	.15
Sup. Mixed	.15	.50
Callirhoe	.15	.50
Campanula Calycanthema, Blue	.20	.75
Striped	.20	.75
White	.20	.75
Rose	.20	.75
Mixed	.15	.50
Sing. Mixed	.15	.50
Doub. Mixed	.15	.50
Speculum	.10	.25
Candytuft, Empress	.10	.20
Mixed		.10
Cannas, Large Fl., Mixed	.10	1.50
Carnations, Marguerite, White	.25	1.00
Chabaud's Everblooming	.30	2.50
Pres. McKinley, 100 seeds, 50c.		
Finest Dbl. Mixed	.25	1.00
Double Picotee	.25	1.50
Celosia Cristata, Glasgow Prize	.50	3.00
Dwf. Mixed	.25	1.50
Plumosa, Ostrich Plume		
Crimson	.10	.25
Golden	.10	.25
Thompson's Magnifica	.15	.75
Centaurea Cyanus, Single Mixed	.10	.15
Double, Mixed	.10	.15
Wilhelm	.10	.15
Odorata Marguerite, Pure White	.15	.75
Centaurea Imperialis, White	.15	.50
Rose	.15	.50
Lavender	.15	.50
Purple	.15	.50
Lilac	.15	.50
Mixed	.10	.40
Moschata, White	.10	.20
Atropurpurea	.10	.20
Mixed	.10	.15
Suaveolens	.10	.25
Candidissima	.25	1.00
Gymnocarpa	.15	.25
Chrysanthemum Coronarium, Dbl.	.10	.15
Annual Mixed	.10	.15
Perennial Mixed	.50	4.00
Segetum Morning Star	.25	2.00
Inodorum Bridal Robe pkt.	.15	
Princess Henry, pkt.	.10	
Cineraria Hybrida, Giant Tall Fl., Prize pkt., $1.00; ⅛ oz., $4.00		
Dwf. Fl. Prize pkt. $1.00; ⅛ oz., $4.00.		

Name	Trade Pkt.
Coleus Benary's Exhibition	1.00
Cleome Pungens	.10
Cosmos, Giant Flowering, Crimson	.15
Pink	.15
White	.15
Hybrida Klondyke	.25
Mixed	.15
Giants of California	.15
Black Bidius	.20
Early Dawn	.15
Cuphea Platycentra	.30
Cyclamen Persicum Giganteum	1,000
White	$ .75
Carmine Eye	.75
Rose	.75
Blood Red	.75
Salmon	1.50
Mixed	.75
Papilio	1.00
Dahlia, Large Flowered, Mixed dbl.	.25
Mixed sing.	.10
Cactus Flowered	.50
Daisy Bellis Perennis, Snowball	.40
Longfellow	.40
Maxima	.40
Mixed	.40
Shasta	.50
Datura, Double, Mixed	.10
Dianthus Laciniatus, Salmon Species	.15
All Var., Hardy	.40
Queen	.15
Laciniatus Vesuvius	.30
Mixed	.15
Double, Fringed	.20
Heddewigii, Snowball	.20
Snowdrift, pkts.	.15
Atropurpurea (Mourning Pink)	.15
Imperialis, Fire Ball	.25
Mixed	.10
Plumarius, Single Mixed	.10
Double Mixed	.15
Chinensis, Double Mixed	.10
Dracæna Indivisa	.15
Mixed, 500 seeds, $2.00; 1,000 seeds	
Delphinium Elatum	.10
Elatum Fl. Pl.	.30
Formosum	.20
Nudicaule	.60
Zalil	.40
Chinensis Grandiflora	.10
Eschscholtzia Mandarin	.10
Rose Cardinal	.10
Double Mixed	.10
Single Mixed	.10
Crocea	.10
Erysimum Perofskianum	.10
Euphorbia Variegata	.10
Heterophylla	.15
Ferns, All Var., Greenhouse	.50
All Var., Hardy	.40
Forget-me-not, Royal Blue	.20
Triumph	.15
Victoria, Select	.50
Palustris	.10

ST. LOUIS SEED CO., 78

e	Trade Pkt.	oz.
glove Gloxiniaeflora, White	.10	.25
Rose	.10	.25
Purple	.10	.25
Mixed	.10	.20
Monstrosa Splendens	.20	.75
isia, Mixed		
100 Seeds ....$ .25		
Per 1,000 .... 2.00		
ardia Lorenziana, Dbl., Mixed	.10	.20
Picta, Single, Mixed	.10	.15
Grandiflora compacta	.15	.25
nium Zonale, Mixed	.15	.40
Apple Scented, per M..$.75		
. Mixed Tall Var.	.10	
inia Hybrida, Mixed		
½ pkt ....$ .60		
Pkt. 1.00		
tia, Mixed	.10	.15
sophila Elegans	.10	.15
Paniculata	.10	.20
hera Sanguinea	.50	2.00
otrope, Lemoine's Giant...	.40	1.50
scus Africanus	.10	.15
yhocks, Allegheny Fringed	.20	.75
Charter's Superb, Dbl.	.50	2.00
Dark Crimson	.50	2.50
Rose	.50	2.50
White	.60	3.00
Sulphur Yellow	.60	3.00
Annual Sempiflorens	.20	.75
nemania Fumariaefolia	.10	.30
atiens Sultani ....½ pkt.	.50	
Plant (Mesembryanthemum)	.10	.15
nopsis Elegans	.10	.20
bæa, Mixed	.20	.60
lfusia Ameloides	.10	.25
nia Tricophylla	.15	.40
ana Hybrida, Mixed	.10	.15
kspur, Dwarf Rocket, Mixed		.10
Tall Branching, Mixed	.10	.20
Light Blue	.15	.40
White	.15	.40
Bright Rose	.15	.40
Lilac	.15	.40
atopodium Alpinum	.20	2.50
ria Cymbalaria	.25	1.25
Rainbow	.10	
ia Citriodora Lemon Verbena	.15	1.00
m Grandiflorum Rubrum	.10	.15
lia Crystal Palace Compacta	40	2.25
White Gem	.30	2.00
Florist's Favorite	.25	1.50
Erinus Gracilis (Dark Trailing Blue)	.15	.50
nus, Mixed		.10
nis Haageana Hybrida Mixed	.15	.75
gold, African Dbl., Mixed.	.10	.15
French Dwf., Mixed	.10	.15
French Legion of Honor..	.10	.15
vel of Peru, Mixed, Four O'Clock, 35c per lb.		.10
Dwf. Var., Mixed, 75c per lb.	.10	.20
nonette, Allen's Defiance..	.15	.40
Bismarck	.30	1.50
Machet	.15	.50
Pyramidalis Gigantea ...	.10	.25
Goliath	.25	1.00
Large Flowered, Mixed....		.10
nlus, Large Flowered, Mixed	.35	3.00
Moschatus (Musk)	.25	1.50
ophila, Mixed		.10
na, Mixed		.10
tiana Affinis	.10	.20
Sanderae	.25	1.25
Collosa	.50	4.00
lla Damascena		.10
othera Rosea	.10	.40
is Tropaeoloides	.15	.75
sy, Fire King	.30	2.50
Fairy Queen	.25	.75
King of the Blacks	.30	2.00
Emperor Wilhelm	.30	2.00
Lord Beaconsfield	.30	2.00
Snowflake	.25	1.50
Masterpiece	.50	5.00
Meteor	.25	1.00
Gold Elsa	.40	4.00
Andromeda, New, pkt.	.15	
Admirabilis, New, pkt.	.15	
Eros, pkt.	.15	
St. Louis Seed Co's. Exhibition Premium Strain	.75	10.00
Nonpareil	.50	8.00
Imperial German, Mixed...	.30	2.25
Cassier's 5 Spotted	.40	3.50
3-5 Spotted	.40	4.00

Name	Trade Pkt.	oz.
Trimardeau Giant Yellow.	.30	2.00
Mixed	.25	1.50
Bugnot's Superb, Mixed...	.50	5.00
Large Flowered, Mixed....	.20	.75
Fine Mixed	.15	.50
Perilla Naukinensis Laciniatus		.10
Petunia, Canary Bird, pkt....	.20	
Reingold, pkt.	.17	
King Alfonso	.15	
Giants of California		
½ pkt. ....$ .60		
Pkt. 1.00		
St. Louis Seed Co's. Forest Pk., Mixed		
½ pkt. ....$ .60		
Pkt. 1.00		
Double Fringed	.50	
Hybrids, Finest Mixed....	.20	.50
Fine Mixed	.15	.40
Dwarf Mixed	.30	1.00
Phlox Drummondi, Finest Mixed	.10	.30
Fine Mixed	.10	.25
Starred and Fringed	.15	.40
L. Fl., White	.20	.75
Pink	.20	.75
Rose	.20	.75
Lilac	.20	.75
Crimson	.20	.75
Scarlet	.20	.75
Large Flowered Dwf., Fire Ball	.40	1.50
Snowball	.40	1.50
Mixed	.25	1.00
Dwf. Cecily, Mixed	.50	4.50
Perennial	.40	1.50
Potentilla, Double Mixed	.25	7.00
Poinciana Gilesi	.10	.30
Poppy, Double Carnation Fl., Mixed		.10
Double Feathered Carnation	.10	.30
Shirley, Mixed	.10	.15
Oriental Hybrids	.25	1.50
Tulip Flowered, Scarlet...	.15	.75
Iceland Laciniata, Mixed..	.10	.30
Cardinal		.10
Portulaca, Single Flowered...	.10	.20
Double Flowered	.25	1.50
White	.40	3.00
Red	.40	3.00
Yellow	.40	3.00
Primula Chinensis, Extra Large Flowered, Fringed, ½ pkt., 60.; pkt. $1.00		
Forbesi ½ pkt. ....$ .60		
Pkt. 1.00		
Auricula ½ pkt. ....$ .60		
Pkt. 1.00		
Polyanthus Veris ½ pkt. ...$ .60		
Pkt. 1.00		
Obconica Grandiflora ½ pkt. .$ .60		
Pkt. 1.00		
Gigantea, ½ pkt., 60c., pkt. $1.00		
Penstemon Gentianoides	.20	1.00
Pyrethrum Selaginoides	.20	.75
Aureum	.10	.25
Roseum Hybridum Grandiflorum	.15	.50
Ricinus Gibsoni, ...¼ lb., 25c		.10
Cambodgensis ...¼ lb., 25c		.10
Borboniensis Arboreus, ...¼ lb., 25c		.10
Zanzibariensis, Mixed ....¼ lb., 25c		.10
Choice Mixed, ...¼ lb., 25c		.10
Rose Campion		.10
Salvia Splendens	.25	1.00
Silver Spot	.50	4.00
Bonfire	.50	4.00
Salpiglossis Grandiflora	.15	.75
Emperor	.20	1.00
Scabiosa, Dwf. Double, Mixed.		.10
Imp. Large Fowered, Crimson	.10	.25
Pink	.10	.25
King of Blacks	.15	.40
White	.10	.25
Purple Edged White	.10	.25
Schizanthus Wisetonensis	.50	
Sensitive Plant	.10	.25
Silene Pendula, Mixed		.10
Solanum Capsicastrum	.10	.25
Stocks, Fine Double, Mixed....	.30	2.00
Large Flowered, Mixed....	.40	2.50
Dresden Snowflake	.40	3.00
Autumnal Fine Mixed	.50	4.00
Winter or Brompton Mixed	.50	4.00
Large Flowered, Red	.40	2.50
Yellow	.40	2.50

Name	Trade Pkt.	oz.
Blue	.40	2.50
Purple	.40	2.50
White	.40	2.50
Sunflower, California Fl. Pl. ....¼ lb., 15c		
Double Dwarf....¼ lb., 35c		.10
Golden Ball.....¼ lb., 15c		
Cucumerifolius Fl. Pl. Hybrids.......¼ lb., $1.50	.10	.50
Cucumerifolius...¼ lb., 35c		.10
Liliput	.10	.15
Stokesia Cyanea	.15	.50
Sweet Rocket		.10
Sweet William, Single	.10	.15
Double	.15	.40
Single, Crimson	.10	.25
Maroon	.10	.25
Red, White Eye	.10	.25
Violet, White Eye	.10	.25
Verbena Hybrida, Fine Mixed	.15	.40
Extra Select, Mixed	.15	.50
Mammoth White	.25	.75
Purple	.25	.75
Scarlet	.25	.75
Blue, White Eye	.25	.75
Auricula Eye	.25	.75
Striped	.25	.75
Mixed	.25	.75
Scarlet Defiance	.40	1.00
St. Louis Seed Co's. Great Floral Clock Mix	.40	1.00
Vinca Rosea	.15	.50
Alba	.15	.50
Pura	.15	.50
Mixed	.15	.40
Virginia Stocks, Mixed		.10
Viola Odorata, Blue	.25	1.00
The Czar	.40	4.00
Wallflower, Double, Mixed....	.30	2.00
Single Mixed	.10	.15
Extra Early Parisian	.10	.25
Wahlenbergia Platycodon Grandiflora	.10	.25
Mariesi	.15	.50
Zinnia, Ex. Double, Mixed....	.10	.25
Zebra, Double, Mixed	.15	.40
Mammoth, Double, Mixed..	.20	.75
Liliput	.15	.40
Pumila Dwf., Double, Mixed	.10	.30

HARDY ORNAMENTAL GRASSES.

Briza Maxima	.10	
Gracilis	.10	
Coix Lacryma	.10	
Eragrostis Elegans		.10
Eulalia Japonica Zebrina	.10	.25
Gynerium Argenteum	.15	.40
Lagurus Ovatus		.10
Pennisetum Longistylum		.15
Stipa Pinnata	.10	.25
Ornamental Grasses, Mixed....		.10

CLIMBING PLANTS.

Antigonon Leptopus	.10	.30
Adlumia Cirrhosa	.20	.60
Aristolochia Sipho	.25	2.50
Ampelopsis Veitchii	.10	.15
Balloon Vine		.10
Balsam Apple	.10	.15
Balsam Pear	.10	.20
Calampelis Scabra Aurea	.20	.75
Canary Bird Flower		.15
Coboea Scandens	.15	.40
Cypress Vine, Scarlet	.10	.20
White	.10	.15
Scarlet, Ivy Leaved	.10	.25
Mixed		.10
Dolichos, Mixed.....¼ lb., 25c		.10
Daylight .....¼ lb., 50c		.15
Crimson Giant...¼ lb., 50c		.15
Gourd Dipper	.10	.25
Dish Rag	.10	.15
Japanese Nest Egg	.10	.20
Powder Horn	.10	.15
Pipe	.15	.25
Hercules Club		.10
Mock Orange	.10	.15
Sugar Trough	.10	.15
Mixed		.10
Humulus Japonica Variegata..	.10	.20
Ipomea Setosa	.15	.40
Maurandia, Mixed	.25	1.25
Mina Lobata	.25	1.00
Morning Glory, Mixed, 1 lb., $.50		.10
Imp. Japanese ...1 lb., .75		.10
Select Imp. Jap..1 lb., 2.00	.10	.15
Heavenly Blue Hederacea ....1 lb., $5.00	.15	.40
Moon Flower Blue Bona Nox ....1 lb., $1.00		.10
Grandiflora ....1 lb., $6.00	.15	.40

36 N. 4th Street, St. Louis, Mo.

The Seed Trade.

American Seed Trade Association.

Geo. S. Green, Chicago, Pres.; M. H. Duryea, New York, First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-sixth annual convention, June 23 to 25, at Hotel Ponchartrain, Detroit, Mich.

CHINESE GIANT PEPPER and New York Purple egg plant are very scarce items.

DETROIT is said to be a good port of entry for imported seeds, the valuations there seldom being excessive.

THE Louisville onion seed market has been cornered all winter but holders are said to be about sold out at this time.

ONION SETS where stored in large lots should be moving out by the carload soon to justify the present asking prices.

SASSENHEIM, HOLLAND.—The firm Krosschell & Hansen Co., bulb growers and nurserymen, will discontinue business.

CHICAGO.—The gardener who bought the twelve year old N. B. G. onion seed is reported to have given it a fitting burial. R. I. P.

ONION SETS at Chicago are quoted in the wholesale market as follows: Yellow and Red at $2.25 to $2.40 per bushel. White, $2.75 to $3.00 per bushel.

THE uniform asking contract prices for California onion seed of 1908 crop indicates that some at least are agreed, following their conference, to maintain approximate uniform prices.

WILL the seed trade support with liberal patronage growers who strive to maintain highest standards in types and seed? Some say no, that the tendency to scrutinize prices closely still remains.

THE exports of fertilizers to Germany, during the six months ending December, 1906, and 1907, were 111,928 tons, of the value of $1,106,883 and 172,347 tons of the value of $1,522,776 respectively, showing an advance of 60,319 tons, of the value of $415,293 for 1907.

VISITED CHICAGO: W. J. Sheap, Isbell Seed Co., Jackson, Md.; Albert Guttman, Manitowoc Seed Co., Manitowoc, Wis.; C. S. Kunz, Madsen Seed Co., Manitowoc, Wis.; Wm. Hagemann, New York; C. R. Kimberlin, Santa Clara, Calif.; A. J. Pieters, Hollister, Calif.

AFFIDAVITS are being secured, pro and con, in the Burpee-Dreer law suit and it will be interesting to learn later on what seedsmen in the U. S. believe it the custom of the trade to respect the name under which an introducer of a new variety baptizes it, and how many believe that such a custom is "more (dis)honored in the breach than in the observance."

TOLEDO, O.—Frank I. King says: "The Ohio legislature is considering a bill which may put the seedsmen out of the clover seed business. It is proposed to require all seedsmen to label clover to be either medium or mammoth. Toledo is the leading clover seed market of the world, and because of short crops for the last five years this seed has been imported from Chili, continental Europe, England and Canada. Who can tell whether it was medium or mammoth or a mixture of both? Seed Inspector Wallace, one of the best expert judges, says it is impossible after the seed has been recleaned to tell which class it belongs to. "Every dealer," says Mr. King, "should write to his representative in the general assembly to stop, look and listen before they pass such a law."

Braslan Seed Growers' Co.

Growers for the Wholesale Trade Only.

SAN JOSE, CAL.

Bermuda Onions.

So-called Bermuda onion bulbs will be a big crop this year; the estimate now is as follows:

Bermuda grown, 350,000 crates.

So. California (Coachulla), 150,000 crates.

Texas (at least), 500,000 crates.

The southern Texas Truck Growers' Association shipped 742 carloads last year, and expect to make it 1,000 cars this year. Shipments will begin in 60 days or less.

Holland Dutch in Chicago.

A notable gathering of Dutchmen (bulb tourists) drew their chairs to the supper table of the Bismarck hotel, Chicago, one night last week, led by the bearded bell-wether of the flock who represents the Veldhousen-Van Zanten Co. The commercial mentality end of the barbecue had something of a crow flavor, the experience meeting indicating that Chicago, like New York and other eastern cities, had been hard-hit financially in its buying attitude toward Dutch products. A small auxiliary of Belgians present were disposed to concur. "Westward Ho" was the only promised land, the only hopeful light which cast something of a sunset glow over the coffee cups, "illustrating the lasting verity of the triumph of hope over experience."

Teneriffe Onion Seed in Texas.

Since the return of Sales Manager Campbell from Teneriffe, where he contracted for the seed for 1909, the members have largely oversubscribed the amount allotted. Mr. Campbell says he can only deliver 66 per cent. of the crystal wax and 51 per cent. of the white seed ordered by growers. The members have placed orders for 6,852 pounds of white seed and 4,139 pounds of crystal wax. This leaves only a few pounds less than 11,000 pounds and no such amount was contracted. Mr. Campbell will pro rate the seed among all ordering and for the following year he will be able to get a larger supply if needed. It would be impossible for the man in Teneriffe to furnish the seed ordered by the growers from the next planting. This will force some buying from the regular seed dealers. It will also give an opportunity to compare the relative values of the seed furnished through Mr. Campbell and the regular dealers.—The Produce News.

Imports.

During the week ending February 1, imports were received at New York as follows:

McHutchison & Co., 42 cases plants.

Vaughan's Seed Store, one case plants; one box seed.

J. M. Thorburn & Co., 84 bags garden seed; one case bulbs.

Wm. Elliott & Sons, 65 bags grass seed.

Brown Bros. & Co., 45 pkgs. seed.

P. Henderson & Co., 15 bags, 35 pkgs. seed.

H. F. Darrow, 39 pkgs. seed; two pkgs. flower seed.

To others, 54 cases plants; 237 pkgs. plants; four cases flower roots; 24 bags flower seed; 1073 pkgs. seed; 18 cases seed; 1338 bags seed; 20 bbls. seed; 250 bags poppy seed; 180 bags alfalfa seed; 225 bags clover seed.

Sweet Peas for Market.

The question frequently being asked is "Which are the most useful to grow for market?" and I must confess that it is difficult to give a satisfactory answer; this is emphasized by the fact that at the last show of the National Sweet Pea Society there were 205 varieties shown, and this did not include all the new varieties offered for the season, of which there are upwards of 70, yet out of all the new sorts added, there are very few which are likely to displace some of the older varieties for market purposes.

Taking the varieties noted in the market last season, Dorothy Eckford was undoubtedly the best white, but Nora Unwin may gain favor with some florists as the flowers have a more wavy appearance. Of rosy pink shades (which, by the way, the National Sweet Pea Society classes as orange, another error in color descriptions) Miss Willmott has been a great favorite; Helen Lewis may come to the front, but it does not appear to make such long flower stems as Miss Willmott. Evelyn Byatt may be worth a trial. Henry Eckford, which is the nearest to an orange color, is a beautiful pea, but will never make a profitable market variety. Of red shades, Salopian has proved to be one of the best, but King Edward, and Queen Alexandra, may prove to be more desirable. In the cream or yellow shades, Honorable Mrs. Kenyon has been largely grown, and last season it sold well; Dora Breadmore was also a favorite. In Mrs. Collier we have a variety which may prove a rival. In the mauve or lavender shades we have another color difficulty. A florist would hardly accept Mrs. W. Wright as a mauve, it may be a useful variety, but is too deep a color for mauve. Lady Grisel Hamilton is the accepted mauve of the market, and still remains one of the most popular sweet peas we have. Of the pink varieties (pale pink) it is difficult to say which is the best. I found last season that some salesmen were in favor of the best type of Countess Spencer, while others favored Gladys Unwin, and all the florists who saw Paradise, admired it, and it will certainly be worth a trial. Blues are not so much in demand; Navy Blue was seen in the market last season, but Lord Nelson may prove a better variety; Horace Wright is a fine deep blue. Of the darker shades of purple or maroon, Black Knight remains one of the best. In rosy red shades, George Herbert, or John Ingman should be grown.

For market work the striped, flaked, or any other undecided colors are of little use; the five best types are: Lady G. Hamilton, Miss Willmott, Honorable Mrs. E. Kenyon, Salopian and Dorothy Eckford; careful selections of these varieties are likely to hold their own for a long time. All growers should make a trial of some of the most promising of the new sorts, and price of seed should be no obstacle, for if they turn out useful, a good supply of seed may be saved for the next season, or perhaps some may be sold. Among the new varieties offered this season which should be worth a trial are: Sutton's Queen, Evelyn Hemus, St. George, Burpee's Primrose Spencer, Frank Dolby, Lady Althorp, Paradise Carmine, The Marquis

We have a limited quantity of

Early Evergreen and Country Gentleman

SWEET CORN SEED

For sale. Prices and samples furnished upon application.

MOSBAEK GREENHOUSE CO., Onarga, Ill.

To the

Jobbing Trade Only

WM. HAGEMANN & CO.

ITEMS:

French Bulbs,
Japan Lilies,
High Class Valley,
Lilium Harrisii.

Booking Orders Now.

55 Dey St., NEW YORK.

and James Grieve; others might be enumerated, but it would be of no use to give a long list.

In growing for market, long stems are of great importance, and are only obtained by giving them plenty of room, and deeply dug ground, which has been well manured the previous autumn. Good bunching and good packing are other important items. In cutting sweet peas, care should be taken that none that are far advanced are taken, one or two flowers that are too far advanced, if included in a bunch may spoil the sale of a whole box. I have seen various samples received to sell on commission where many of the blooms have been far past their best. It pays to take a little trouble when cutting or bunching. In the case of those with three flowers on a stem, the top one should be only half expanded when cut, and they will keep better for the next day's trade if cut early in the morning, the stems dipped into water, and packed and shut up in a close box. When cut in the afternoon after a hot sunny morning they wither quickly, and it is difficult to revive them. Always see that the empty boxes are kept in a cool place and are moist when used for packing, hot dry boxes will cause the flowers to wither quickly.—METROPOLITAN, in The Horticultural Advertiser (British).

Water Hyacinth a Pest.

The water hyacinth, which has closed to navigation many streams of Florida and Louisiana, has made its appearance in Texas and threatens to become a most injurious pest. It spreads with such rapidity that instances are known where a large and navigable stream has been choked up with the roots of the plant within two years after its first appearance. The federal government is said to have expended more than $200,000 last year in trying to eradicate or control the growth in the streams of Louisiana and Florida, but it is said that little was accomplished.

It is claimed that the spread of this pest is due to the carelessness of housewives who, admiring the beauty of the flower, obtained a few of the plants for domestic culture and then carelessly allowed them to spread to fresh water streams. This is known to have been the cause of the introduction of the plants into the Sabine river, which stream separates Texas from Louisiana. A woman at Orange, Tex., obtained a few specimens of the plant from Florida and after keeping them about the house for a time she grew tired of them and threw them into the river. From those first few plants the whole river above Orange now is choked with the tangled growth of hyacinth. Many of the water courses of Louisiana which formerly were used by boats to handle the lumber traffic of that region now are completely closed to navigation.

A few of the ornamental hyacinths placed in Sam Houston park in some manner got away from the artificial environment recently and made their appearance in the ship channel, commonly known as Buffalo bayou, which connects Houston with the Gulf of Mexico. The plants had gained considerable headway before they attracted the attention of those in authority. Energetic work has been going on ever since to bring about their destruction. It is doubted by those who have had experience with the plant if any means can be found which will bring about its complete extinction. Should it get beyond human control in the ship channel, which is Houston's only deep water outlet, the loss in business and trade of that port would be enormous. The next legislature of Texas will be called upon to pass a law prohibiting the growing of these plants near a navigable stream.

Gordan Van Tine Co., Davenport, Ia.

Gordon Van Tine Co., Davenport, Ia., issue a fine free millwork and building material catalogue which they offer to send to any one interested on application. Also a catalogue of gardeners' supplies, roofing and other specialties which the firm handles.

This great concern ships goods to every state in the union and guarantees safe delivery to the buyer's freight station. It makes prompt shipments because everything in brand new goods is carried in stock and the freight charges on this class of material are so small that it can ship anywhere and save the buyer half on his bill.

People everywhere are building their homes, painting their buildings and roofing their houses, barns and small buildings, and repairing their property, buying all of their supplies of this concern. None of Gordon, Van Tine Co.'s goods are sold through the dealer—they do a mail order business only—the biggest banks in America vouch for their absolute responsibility and their unfailing guarantee of satisfaction. Those contemplating building should get their prices before building or planning to build. Special seasonable items like gardeners' supplies, storm sash, screen doors, porch decorations and such things can be had of Gordon Van Tine Co. where ordinarily they have to be built to special order.

The St. Louis Seed Co., St. Louis, Mo.

The St. Louis Seed Co., which was originally the retail department of the long established Plant Seed Co., of St. Louis, Mo., has been for seven years a separate organization. St. Louis has needed a representative retail and mail order seed house, which this organization seems well organized to supply. A side line in their trade, and one which they are well adapted geographically to handle, is that of catering to the florists of the west and the southwest.

Wm. S. Nichol is general manager, trained in a good and reliable Ohio seed establishment; John A. Rau is secretary and store manager while Walter Retzer, the well known florist and graduate of the Missouri Botanic Gardens, is vice-president and in charge of the florist trade.

He has Been "Shown."

AMERICAN FLORIST CO.—I truly thank you for the splendid paper that you have been issuing for the past year. I enclose you $1 to make good for another. Wishing you all the success possible, and thanking you again for your good paper.

Very truly yours,
(Signed) W. T. LEAGUE.

A. J. PIETERS SEED CO.

Growers for the

Wholesale Trade.

Ready to quote on 1907 surplus and 1908 contracts.

HOLLISTER, - CAL.

W. J. Eldering & Son,

Wholesale Bulb Growers and Dealers.

OVERVEEN. HAARLEM. HOLLAND.

Headquarters for High Grade **Hyacinths, tulips** and **Narcissi.** We do not sell at Retail. Write for special quotations on large quantities.

Asparagus Plumosus Robustus Seed.

NEW CROP JUST HARVESTED. Prime plump seed from vigorous young plants only.

Price: $1.25 per oz.; $15.00 per lb., post free. Cash with order.

THOS. H. WOOD, Tropical Seed Merchant and Nurseryman. **Brisbane, Queensland, Australia.**

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower

Specialties: Lettuce, Onion, Sweet Peas, Aster Cosmos, Mignonette, Verbena, in variety. Correspondence solicited.

C. C. MORSE & CO.

SEED GROWERS

Address all communications to our permanent address

48 to 56 Jackson St., SAN FRANCISCO.

ONION, LETTUCE, SWEET PEAS, and other California Specialties.

Peas AND Beans

Alfred J. Brown Seed Co.,

GRAND RAPIDS, MICH.

Telegraph Code

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$2.00

In either stiff or flexible cover. Address orders to

AMERICAN FLORIST CO., CHICAGO.

Heller's Mice-Proof Seed Bin No. 1783-B.

Heller's Mice-Proof Seed Cases and Bins

Send for Circulars.

Heller & Co.

Montpelier, Ohio, U. S. A.

FORMOSA LILIUM LONGIFLORUM
Ends the growers' trouble; absolutely free from disease.

Alabama State Horticultural Society.

The fifth annual meeting of the Alabama State Horticultural Society will be held at Birmingham, Ala., February 13 and 14, 1908, at the rooms of the Commercial club. All persons interested in horticulture are cordially invited to attend. The following is the programme:

Opening exercises; address by President W. F. Heikes, Huntsville; "History of Fruit Growing in Alabama," Dr. P. J. Berckmans, Georgia; "Montgomery Flower Growers' Association," Mrs. W. A. Gayle, Montgomery; address by Prof. Samuel B. Green, president Minnesota Horticultural Society, St Paul; "School Improvement," Mrs. L. H. Craighead, Mobile; "Improving Our Country Homes," Dr. W. S. McCain, Livingston; "Relation of Horticulture to the Schools of the State," Prof. S. L. Chestnutt, Montevallo; "How to Reduce the Fertilizer Bill"—"Some Truths About Seeds," C. B. McVay, Birmingham; address by Hon. J. A. Wilkinson, Montgomery; "Results and Significance of the Plant Disease Survey in Alabama," Dr. E. Mead Wilcox, Auburn; "Laboratory Methods of Studying Plant Diseases," Prof. Stone, Auburn; "Cowpeas," Prof. H. O. Sargent, Hamilton; "How to Set Out a Young Orchard," Prof. E. F. Cauthern, Wetumpka; "Fertilizers," C. H. Billingsley, Montgomery; "Fruit Growing in the South," D. C. Turnipseed, Flora; "Notes," Herbert Chase, Huntsville; "Fruit Insects," Dr. W. E. Hinds, Auburn; "Notes on Fruit Growing in the West," M. C. Scott, Montgomery; "Fruit Soils," Prof. W. C. Smith, Montgomery; "Forestry," Hon. J. B. Powell, Montgomery; "Best Way to Sell Trees," A. G. Long, Andalusia; "Cantaloupe Culture," H. L. Trott, Montgomery; "Our Work at Lapine," C. W. Landers; "Home Fruit Growing," J. A. Kernodle, Camp Hill; "Notes," Prof. R. S. Mackintosh, Auburn. Reports of committees; business; reports of vice presidents. The programme may not be followed exactly as given above.

Auburn. R. S. MACKINTOSH, Sec'y.

Bulletins for Indiana Gardeners.

Three bulletins by the Indiana Horticultural Society for the use of its members and for free distribution have been issued in advance of the publication of the annual report, so that they may be in the hands of gardeners and fruit growers before the spring work begins.

Bulletin No. 3, entitled "Modern Methods in Growing Seed Potatoes," by J. D. Nysewander, Bridgeport, treats of the best up-to-date requisites belonging to seed potatoes and how to grow them.

Bulletin No. 4, by W. T. Blythe, of the weather bureau, treats of "Conditions Under Which Frosts Injure Vegetation and Means of Prevention."

Bulletin No. 5, by C. G. Woodbury, assistant horticulturist at Purdue Experiment Station, Lafayette, on "Hotbed Cantaloupe and Watermelon Growing in Indiana."

These bulletins are mailed to all members of the society, and the surplus is for free distribution. W. B. Flick, secretary, room 11, State House, Indianapolis, will send these bulletins to those who write asking for them.

Your Paper the Best.

AMERICAN FLORIST CO.:

Enclosed please find the usual $1 subscription. I think your paper the best.

FRANK P. BRIGHAM.

Madison, N. J., February 3, '08.

HENRY NUNGESSER & Co., the well known grass seed merchants of New York, have issued under date of January 7 under the title "Wholesale Blue List" a special trade price list of all American and imported clover and grass seeds.

VEGETABLE SEEDS

SOW NOW.

	Per ¼ lb.	Per lb.
Lettuce, Grand Rapids Forcing	$ .30	$1.00
May King	.40	1.25
Cucumber, Evergreen White Spine	.25	.75
Davis Perfect	.35	1.25
Radish, Vaughan's Cardinal Forcing	.40	1.50
Improved Scarlet Globe	.25	.70
20 Day Forcing	.20	.60
Scarlet Globe White Tip	.20	.60
Tomato, New Globe	.75	3 00
Comet pkt.,	$ .25	
Sunrise pkt.,	.25	
Cauliflower, Earliest of All pkt.,	$ .25;	oz., $2.50

Vaughan's Seed Store, CHICAGO. NEW YORK.

Mention the American Florist when writing

Vegetable Plants...

Lettuce Plants: Grand Rapids, Boston Market and Big Boston, 25 cents per 100; $1.00 per 1,000.

Tomato: Mayflower and Lorillard, 50 cents per 100.

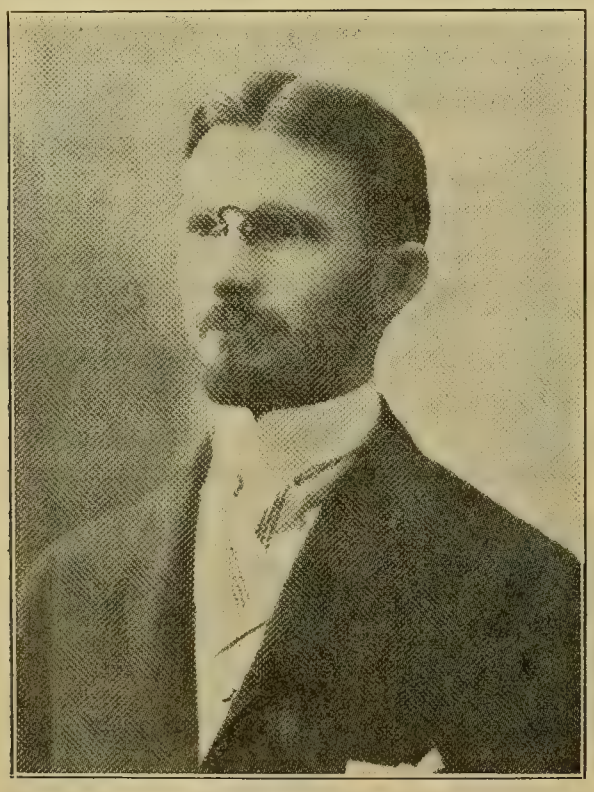
R. Vincent, Jr. & Sons Co.,
WHITE MARSH. MD.

Mention the American Florist when writing

NEW FORCING TOMATO THE WAVELAND.

Unsurpassed by any other kind for private or commercial growing under glass or outdoor culture. Fruit thick and rich color. Seed limited. Order now. Ready September 1. Price: $1.00 per packet; $3.00 per ounce.

H. KULD, Box 193, Norwood, Mass.



WM. F. NICHOL,
President and General Manager St. Louis Seed Co., St. Louis, Mo.

W. E. RETZER,
Vice-President St. Louis Seed Co., St. Louis, Mo

MARKET GARDENS.

SOUTH FLORIDA is shipping carloads of new tomatoes now.

JERSEY seed sweet potato growers are reported holding back their crop.

TEXAS will ship 800 cars early cabbage this year beginning about February 15.

NEW YORK.—Onion bulbs are selling about as follows: Yellows, $1.75; Reds, $2; Whites, $3, per bag.

GREENHOUSE grown vegetables at Chicago have never been so low in price for 20 years, choice greenhouse grown lettuce selling at 10 cents to 15 cents per case, the cases alone costing seven cents. This exceedingly low price on vegetables can hardly be attributed to financial conditions because it begun before the panic came upon us. Perhaps the mild winter weather is the most logical explanation.

Prospects for the Season.

Although vegetable forces have had probably the most unsatisfactory season on record, as regards markets, they should not get discouraged at this stage of the game. The next three or four months will certainly be better, and May might turn out to be a good "home-run." I hear some growers say: "I am going to hunt 15,000 to 25,000 2-inch geraniums and use my space to better advantage." Now this is a wrong idea; to jump into an unprepared market that way is often disastrous; more often so than otherwise. As a rule, our markets have been fairly well supplied with bedding plants, and to turn any great amount of glass into another line is risky.

Very often April and May are the best months for lettuce. The south ceases to be a factor, the demand is increased by the smiling spring sun—everybody wants something green—and the chances are excellent that the regular line will pay best if adhered to. Better figure out how to time crops to best advantage and how to follow with a succeeding crop so no space is vacant.

Bear in mind that head lettuce generally is a failure indoors after April 15 in the middle states, and May 1 in the north. The same with radishes. In other words, whenever the temperature goes considerably beyond the normal, these crops should be through. A little planning now will avoid such loss. Grand Rapids lettuce is good for a longer period, as it will stand much heat. When replanting, remember it requires plant food in plenty under glass; if no old fine manure to top dress is at hand, use pulverized sheep or cattle manure and bone meal or, better, bone flour—proportion, three parts manure to one part bone. MARKETMAN.

Prices of Indoor Vegetables.

The prices of indoor vegetables at leading points February 1 were as follows: New York, cucumbers, No. 1, $1 to $1.37 per dozen; No. 2, $2.50 to $4 per box; lettuce, 25 cents to 75 cents per dozen; mushrooms, 15 cents to 45 cents per pound; mint, 50 cents to 65 cents per dozen bunches; radishes, $2 to $2.50 per 100 bunches; rhubarb, 40 cents to 60 cents per dozen bunches; tomatoes, 10 cents to 25 cents per pound. Chicago, radishes, 20 cents to 30 cents per dozen bunches; mushrooms, 20 cents to 50 cents per pound; Cincinnati, cucumbers, $1.25 to $1.50 per dozen. Boston, tomatoes, 15 cents to 20 cents per pound. St. Louis, cucumbers, $1 to $1.25 per dozen.

Fertilizer for Mushrooms.

ED. AMERICAN FLORIST:—

What is the best chemical fertilizer for mushrooms after the beds have borne a good crop for several months?

No chemical fertilizer we ever used gave such good results as salt and good Peruvian guano. An ounce of salt to the square yard of bed surface, followed in a week by a similar amount of guano we have proved an excellent stimulant. It should be frequently repeated rather than given in stronger doses.

G.

SPOKANE, WASH.—Fire destroyed the Lidgerwood greenhouse, owned by George T. Crane, January 20. The loss is estimated at $9,000 and only $2,000 insurance is carried. The origin of the fire is a mystery.

NEW CROP FLOWER SEEDS.

	¼-oz.	oz.
Verbena Mammoth, in colors or mixed	30c	$1.00
Salvia Splendens	35c	1.25
Salvia Bonfire	75c	2.50

Lily of the Valley early forcing to close out, per 1000, $11.00

Fresh Tobacco Stems, Bales of 300 lbs. $1.50

W. C. BECKERT, Pittsburg, N. S., Pa.

BURPEE'S SEEDS PHILADELPHIA

Wholesale Price List for Florists and Market Gardeners.

Conway's White Branching Aster.

The flower is pure white, of unusual size and fine shape, with long stiff stems. Blooming from mid-season to late. Is considered by leading florists to be the best and most profitable aster ever grown. **Trade Packet, $1.00; Half Ounce $3.00; Ounce, $5.00.** Cash please.

F. A. CONWAY & CO., Indianapolis, Ind.

Just Out

Our handsome new Catalogue for 1908.

If you have not received a copy, please advise us by postal and we will send you one by return mail.

W. W. RAWSON & CO.

5 Union St., BOSTON, MASS.

STOCK SEED

Giant Branching.

85% to 90% Double Flowering.

Pure White, ⅛-oz. 75c. ounce $5.00.

Other colors, ⅛-oz 60c. ounce $4.00.

H. E. FISKE SEED CO.,

12 and 13 Faneuil Hall Sq., BOSTON, MASS.

Asparagus Plumosus Nanus

We handle this Asparagus both in seeds and plants of all sizes, in very large quantities and make very close prices on larger amounts on application. Our seed is pure fresh, of best germinating quality and extraordinary vitality **Northern Greenhouse-Grown Seed.** Per 100 seeds, **60c;** 250 seeds **$1.25;** 1000 seeds, **$4.50;** 5000 seeds **$21.25;** 10,000 seeds, **$40.00.** Price for larger lots on application.

Vaughan's Seed Store Chicago and New York

ESTABLISHED 1824.

Bridgeman's Seed Warehouse

RICKARDS BROS., Props.,

Importers and Growers of High Grade

LILY OF THE VALLEY,

Finest Berlin, $12.00 per 1000.

	Packet	Oz.
Ageratum, Blue Perfection	15c	.50
Alyssum, Little Gem	10c	.35
Candytuft, Empress	10c	.20
Bellis, Snowball	25c	
" Longfellow	25c	
Salvia Splendens	25c	1.35
" Bonfire	25c	2.50
Verbena, Mammoth mixed	25c	1.50

37 E. 19th St., near Broadway. Telephone: 4235 Gramercy. **New York City**

Mention the American Florist when writing

Reliable Seeds.

SOW NOW.

	Tr. pkt.	6 pkts.
Begonia Gracilis Luminosa	50c	$2.50
Begonia Erfordia	50c	2.50
Begonia Zangen's Bedding Queen	50c	2.50
Sweet Alyssum Carpet Queen, real dwarf for pots only, no equal	25c	1.25
Salvia Fireball	50c	2.50

My new Fall List ready for the asking.

O. V. ZANGEN, Seedsman,

HOBOKEN, N. J.

Lily of the Valley

MANN'S EXCELSIOR

Are the finest in existence and their flowers bring the best prices in the London market. For quotation please apply to

OTTO MANN, Leipzig, Saxony, Germany

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,

Successors to L. K. Peacock, Inc., ATCO, N. J

The Nursery Trade

American Association of Nurserymen.
J. W. Hill, Des Moines, Ia., President; C. M Hobbs, Bridgeport. Ind., Vice-President; George C Seager, Rochester, N. Y., Sec'y.
Thirty-third annual convention to be held at Milwaukee, Wis., June, 1908.

Non-Guarantee of Stock.

The following nurseryman's non-guarantee is used by the P. J. Berckmans Co., of Augusta, Ga. We do not remember to have seen it used by other nurserymen on their invoices.

We exercise the greatest care to keep our varieties pure and true to name, and we hold ourselves in readiness at all times to replace on proper proof, all stock that may prove otherwise, or refund the amount paid; but it is mutually agreed between the purchaser and ourselves that we shall not at any time be liable for any amount greater than the original price paid for trees. We also disclaim any responsibility for failure arising from defective planting, or from subsequent faulty treatment or cultivation If goods are not accepted upon these conditions, they must be returned and money will be refunded.

Important to Illinios Nurserymen.

S. A. Forbes, state entomologist, announces a practical course of instruction with regard to San Jose scale and methods of fumigating nursery stock at the Entomology building, Urbana, February 10-21. The instruction is free to any Illinois nurseryman, his foreman or employe, the only expense being railroad fare to Urbana and board there. Those intending to take the course should come prepared to spend four to six days. Weather permitting, demonstrations of the lime-sulphur wash will be given. Nurserymen who are required to fumigate and do not receive this course will not be permitted to fumigate for themselves and their stock must be fumigated under the superintendence of an assistant from the state entomologist's office, at a cost covering the traveling and living expenses of the inspector for the time required for the trip and his salary for the same time at $3 per day.

American Gooseberries in Sweden.

According to a special cable to the Chicago Daily News dated January 31, the Swedish academy of agriculture has petitioned the government to grant a general permission for the free importation of American gooseberry plants, those in Sweden having been killed by a local disease. The matter was investigated by Chief Gardener Dahl, who went to America in 1907, and the petition is the result of the report made by him.

Vaughan's Seeds TRADE MARK. NEW YORK-CHICAGO

Vaughan's New Crop Flower Seeds

FOR PRESENT SOWING.

10 per cent Special CASH DISCOUNT. On orders over $2.00 for Flower Seeds if the cash is enclosed. 1C per cent. This discount does not apply to Asparagus Seed. Cash discount on this is 2 per cent.

	Trade pkt.	oz.
Ageratum, Imperial dwarf blue	$ .10	$ .25
Imperial dwarf white	.10	.25
Blue Perfection dwarf new	.10	.40
Princess Pauline fine for pots and borders	.10	.40
Princess Victoria Louise. new beautiful blue and white flowers. plants compact and free blooming	.10	.50
Little Blue star, new, best dwarf	.25	
Alyssum, Sweet ....lb., $1.25	.05	.15
Little Gem extra fine strain	.10	.35
Balsam, Alba Perfecta This is the largest and best double white Balsam, unequaled in doubleness and size ¼-oz 25c	.10	1.00
Begonia. Single tuberous-rooted giant mixed	.50	
Double, tuberous-rooted giant flowered	50	
Vernon ....⅛-oz. 30c	.10	2.00
Luminosa new better than Vernon	.25	
Bellis or **Double Daisy,** Vaughan's mammoth mixture, 1-16 oz. 45c.	.25	
Vaughan's Mammoth White....1-16 oz. 50c.	.25	
Longfellow dark pink....⅛-oz. 35c	.20	2.50
Monstrosa double white, double pink. new...each 50c		
Browallia, Speciosa Major		.25
Candytuft, Giant Hyacinth flowered....½-oz. 15c	.10	.20
Canna, Vaughan's Special Mixture, saved from our own collection of over 40 best kinds....lb. $1.50	.10	.20
Celosia, Coxcomb President Thiers	.15	1.25
Centaurea, Candidissima (Dusty Miller)	.25	1.00
Gymnocarpa ....lb. $2 75	.05	.30
Coboea. Scandens blue ....lb. $3.50	10	.30
Clematis Paniculata, White, sweet scented....lb. $5.00	.15	.50
Large-Flowering Jackmanni Hybrids	.25	2.00
Coleus. Mammoth rainbow	.25	
Large-leaved, mixed	.25	
Cyperus Alternifolius, Umbrella plant....¼-oz. 50c	.20	1.60
Dracaena Indivisa ....lb. $2.50	.10	.30
Indivisa Lineata	.10	.40
" Latifolia	.10	.40
Australis	.10	.60
Daisy, Burbank's Shasta ....⅛-oz. 25c		1.50
Echeveria. (Hen and chicken), mixed ....100 seeds. 20c; 1000 seeds....$1 00		
Metallica....100 seeds 35c: 1000 seeds $3.50		
Secunda glauca....100 seeds 15c: 1000 seeds $1.00		
Feverfew. Matricaria Capensis plenissima	.10	.25
Forget-me-not, Vaughan's early blooming and late flowering ....¼-oz. 25c	.10	.80
Fuchsia, double and single varieties mixed, .250 seeds 75c; 1000 seeds....$2.60		
Geranium, Apple-scented... 200 seeds 25c: 1000 seeds $1.00		
Grevillea Robusta silk oak	.10	.80
Linaria Cymballaria (Kenilworth Ivy)....¼ oz., 40c	.15	1.20
Alba white	.15	1.20
Lantana Hybrida, mixed	.05	.15
Lemon Verbena ....¼ oz., 40c	.25	
Lobelia Crystal Palace Compacta....⅛ oz., 25c	.15	1 20
Speciosa for hanging baskets....¼ oz., 15c	.10	.50
Emperor William dwarf ....¼ oz., 25c	.10	1 00
Bedding Queen, best dwarf ....⅛ oz., 25c	.15	1.50
Maurandya, mixed....¼ oz., 25c	.10	1.00

	Trade pkt.	oz.
Mignonette, True Machet. ....½ oz, 25c: 2 ozs., 75c	$ .10	$ .50
New York Market. Packet about 1000 seeds, 50c; ⅛ oz., $1.00; oz $6.00.		
Mimulus (Musk Plant)....¼ oz., 30c	.10	1.00
Musa Martini....100 seeds. 85c		
Religiosa....100 seeds, 85c		
Pansies. Vaughan's International Mixture, per oz., $10 00; ½ oz., $5.00; ⅛ oz., $1.50; trade pkt., 50c.		
Vaughan's "Giant Pansy Mixture" ¼ lb, $14.00; oz., $4.00; ⅛ oz, 60c trade pkt., 25c.		
Petunia, Giants of California. mixed....1-32 oz., 75c	.25	
"Vaughan's Best" mixture of large flowering Petunias, Trade pkt. (1000 seeds) 50c; 3 pkts. for $1.25.		
Vaughan's large flowering Double Petunias. trade pkt. (1000 seeds), $1.20.		
Pyrethrum, Golden Feather	.10	.25
Salvia Splendens, Clara Bedman (Bonfire)	.25	2.50
"Drooping Spikes"....¼ oz., 50c	.25	1.60
Fireball new....⅛ oz., 75c	.25	
Zurich, new, very dwarf and early	.50	
Primula Obconica Grandiflora, mixed....500 seeds, 25c		
Large flowering, pink....500 seeds, 25c		
Large flowering, pure white....500 seeds. 25c		
Large flowering, fringed. mixed....500 seeds, 50c		
Gigantea Rosea....200 seeds, 25c		
" Kermesina, new	.30	
Stocks, large flowering, extra choice, mixed ....⅛ oz. 35c	.25	2.00
Pure White, Brilliant Rose. Bright Crimson, Blood-Red, Light Blue, Canary Yellow, Dark Blue. Each....⅛ oz, 35c	.25	2.00
"Cut and Come Again." One of the best stocks for cut flowers the plants producing many side branches with a large percentage of double flowers		
White Perfection or Princess Alice, Blood-Red Brilliant Lilac Pink Each....⅛ oz., 40c	.25	2.50
Mixed, the above colors and others....⅛ oz. 35c	.20	2.00
Smilax, new crop. very short this year. ¼ lb., $1 25; lb, $5.00	.10	.50
New Myrtle-leaved ....100 seeds, 75c; 1000 seeds, $6.00		
Thunbergia, mixed....4 oz, $1.00	.10	.40
Torenia Fournieri, charming pot plant, velvety blue ⅛ oz., 40c	.15	
Fournieri Compacta, Grandiflora ....⅛ oz. 50c	.15	
White Wings, white....⅛ oz', 40c	.15	
Bailloni....1-16 oz., 50c	.25	

	Trade pkt.	¼ oz.	Oz.
Verbena, Vaughan's Best Mixture	$ .25	$ .50	$2.00
Mammoth, mixed....2 oz., $1 70	.10	.25	.80
" White	.15	.25	1.00
" Purple	.25	.50	2.00
" Pink shades	.25	.50	2.00
Firefly, scarlet, white eye	.15	.40	1.20
Striped, on red ground, fine	.15	.30	1.15
Candidissima, white	.10	.20	.70
Defiance, brightest scarlet	.10	.25	.90
Dark blue with a white eye	.10	.20	.70
Vinca Rosea, Rosea fl. albo and pure white, each	.10		.60

VAUGHAN'S SEED STORE,

14 Barclay St., NEW YORK. 84 and 86 Randolph St. 206-208 W. Randolph St. **CHICAGO.**

EXPOSE all scions as much as possible should a period of warmer weather ensue and take every precaution to keep them dormant.

THERE was a falling off in the value of fruits and nuts exported from this country to Germany in 1907 of $57,853, the figures being respectively $318,596 and $260,743.

DELPHOS, N. M.—B. L. Adams, proprietor of the Bonham Nursery, Bonham, Tex., has started a nursery here and intends to grow peaches, pecans, walnuts and apples largely and plant at least 40 acres this year.

PHILADELPHIA, PA.—Wm. H. Logan, of Carrol township, near York, has sued the Pennsylvania Telephone Co. for $1,200 damage to his fruit and shade trees, said to be caused by the company's linemen when trimming the latter.

HOLYOKE, MASS.—The report of Olmsted Bros., of Brookline, has been received and is very favorable. Besides the opportunity for generating a large amount of water power the landscape possibilities of this city are great, so the report says.

FULLERTON, CALIF.—The Orange County Nursery Co., capital $50,000, E. S. Richman, president, T. J. Robertson, manager and N. J. Laufman, secretary, is doing a good business here in general nursery stock suitable for the coast of the southwest.

SPRINGFIELD, MASS.—Mrs. Augusta R. Pinney read a paper on "Plants and Their Environments" at the meeting of the Botanical Society at the Science building January 17. She showed specimens and detailed experiments that she had made proving the adaptability of plants to variations in soil, climate, light and heat. A vote of thanks was given Nathan D. Bill for what he had done to help along the lecture by State Forester Rane. Miss Minnie Donaldson was voted into membership. Notice was given of the meeting of the New England Natural History Society at Mt. Washington, in July. Plans were discussed for the coming season, including the systematic identification by members of the local society of all trees in this vicinity.

Catalogues Received.

Vilmorin-Andrieux & Co., Paris France, seeds and implements; Schlegel & Fottler Co., Boston, Mass., seeds, bulbs and plants; B. Hammond Tracy, Wenham, Mass., gladioli; W. H. Barrett, Adrian, Mich., tomato seeds; W. E. Dallwig, Milwaukee, Wis., seeds; Henry Saxton Adams, Wellesley, Mass., seeds and bulbs; R. Vincent, Jr. & Sons Co., White Marsh, Md., geraniums; Elmer D. Smith & Co., Adrian, Mich., chrysanthemums; Planters' Seed Co., Springfield, Mo., seeds; A. N. Pierson, Cromwell, Conn., roses, carnations, bedding stock, etc.; The W. W. Barnard Co., Chicago, vegetable seeds and tools; J. L. Dillon, Bloomsburg, Pa., roses and carnations; M. Crawford, Cuyahoga Falls, O., strawberry plants; J. M. Thorburn & Co., flower and vegetable seeds; C. C. Morse & Co., seeds, plants and trees; H. W. Koerner, Milwaukee, Wis., dahlias; W. B. Longstreth, Gratiot, O., seeds, roses, etc.; Germain Seed Co., Los Angeles, Calif., seeds and plants: Wm. Toole, Baraboo, Wis., pansy seed; L. L. Olds Seed Co., Clinton, Wis., seeds; Adrien Traverse & Co., Denver, Col., seeds; J. Lambert & Sohne, Trier, Germany, seeds, implements; W. Atlee Burpee, Philadelphia, Pa., seeds; Anatole Cordonnier et Fils, Bailleul, France, chrysanthemums; C. Petrick, Ghent, Belgium, S. M. Isbell & Co., farm and garden seed; Leonard Seed Co., Chicago, seeds; Heller Bros., New Castle, Ind., roses, chrysanthemums, etc.; Chicago House Wrecking Co., Chicago, greenhouse fittings, lumber, etc.; The Dingee & Conard Co., West Grove, Pa., roses, plants, seed, etc.; State Nursery Co., Helena, Mont., nursery stock.

READY NOW! SHIPPING EVERY DAY!

Manetti Rose Stock for Grafting Smooth, evenly-graded, especially selected for Florists' use.

Grafting size, 3-5 mm $ 8.00 per 1000; $75 00 per 10,000.
Extra large, 5-9 mm, 10.00 per 1000; 90.00 per 10,000.

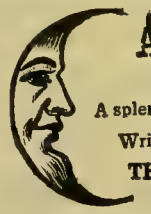
Orders booked now for grafted **Bride, 'Maid, Richmond, Killarney, Kaiserin, Wellesley,** etc., to be delivered in April or later, when wanted; write for prices; also for spring price list of Roses, Shrubs, Vines, Perennials, Conifers.

JACKSON & PERKINS CO., NEWARK, NEW YORK.

—THE—
Royal Tottenham Nurseries, LTD.
Established in 1872.
Managing Director, A. M. C. VAN DER ELST.
Dedemsvaart, Holland.

Headquarters for **HARDY PERENNIALS,** among which are the latest and choicest. 13 acres devoted to growing this line, including Anemone, Aster, Campanula, Delphinium, Funkias, Hemerocallis, Hepatica, Incarvillea, Iris, Peonies, Phlox decussata and suffruticosa, Primula, Pyrethrum, Tritoma, Hardy Heath, Hardy Ferns. Also 8 acres of Daffodils, 12 acres of Conifers, specially young choice varieties to be grown on; 3 acres Rhododendrons including the best American and Alpine varieties; 2 acres Hydrangeas. We make it a point to grow all latest novelties in these lines. Ask for Catalogue.

Mention the American Florist when writing



ARBOR VITÆ
(Thuya Occidentalis.)
A splendid stock, of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.
THE WM. H. MOON CO.,
Morrisville, Pa.

—THE FINEST—
VALLEY
—Western Headquarters for—
EARLY FORCING PIPS
$1.50 for 100.
$12.00 for 1000.
Write for quotations on large quantities.
Finest Cut Valley Always on Hand.
H. N. BRUNS,
1409-11 W. Madison St. CHICAGO.
Long Distance Phone, Kedzie 1196.

LANCASTER, PA.—The State Horticultural Society held its forty-ninth annual meeting here recently and there was a large and very fine show of fruit, principally from Adams County Fruit Growers' Association. There was a good attendance and several interesting addresses were given. Gabriel Hiester, of Harrisburg, was re-elected president; William T. Creasy, of Catawissa, and F. H. Fassett, of Meshoppen, vice-presidents; Enos B. Engle, of Waynesboro, and William P. Brinton, of Christiana, secretaries; and E. W. Thomas, treasurer.

Hardy Roses
American Grown—Superior to Imported
We have unsold at the present time the following varieties—**all field grown plants,** grown in our nurseries at Rochester, N. Y.:

Anne de Diesbach	Prince Camille
Clio	Ulrich Brunner
Frau Karl Druschki	Crimson Rambler
General Jacqueminot	White Rambler
John Hopper	Yellow Rambler
Mme. G. Luizet	Philadelphia Rambler
Marshall P. Wilder	Common Sweet Briar
Mrs. John Laing	Mme. G. Brunnt
Paul Neyron	Wichuriana (The Type)

These plants are in our storage cellars and can be shipped at any time. Prices on request.
ELLWANGER & BARRY
Nurserymen—Horticulturists
Mount Hope Nurseries, Rochester, N. Y.

LARGE TREES.
OAKS and MAPLES.
PINES and HEMLOCKS.
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA

The True Amoor River Privet
Ligustrum Amurense
2½ to 3 feet, strong, field-grown plants, any quantity, $25.00 per 1000.
California same size and price.
Peter's Nursery Co. Knoxville, Tenn.

AZALEAS (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.
Jacs Smits, Ltd. NAARDEN, (Holland.)
Price list free on demand.

BOBBINK & ATKINS,
Rutherford, N. J.,
Bay Trees, Palms, Buxus, Azalea Indica, Rhododendrons, Evergreens, Herbaceous Plants, Roses, Trained Fruit Trees, Greenhouse Grape Vines. Ask for catalogue.

PEONIES.

Festiva Maxima	$20.00 per 100
Queen Victoria (Whitleyi)	9 00 per 100
Fragrans (Late Rose)	6.00 per 100

For 1000 rates and other varieties, write
GILBERT H. WILD, Sarcoxie, Mo.

TREES AND SHRUBS.
Immense quantities, low prices.
Send in your lists for figures.
PEONIES A SPECIALTY.
PETERSON NURSERY, 108 La Salle St., CHICAGO.

WINONA The True Pink Carnation for 1908.

A Color that Attracts Attention. Once Seen, Always Wanted.

Comes nearest to Fiancee, but is a different type flower. **Never Bursts—Every Calyx Perfect.** Good, shapely, active growth. Blooms early and in quantity. A grand commercial variety. Give it a trial and compare the returns. We have a large stock, clean and healthy. Will guarantee every cutting to be first class. Order now for early delivery. **Price: $12.00 per 100; $100.00 per 1000.** Larger lots, prices on application. With our additional glass we have more than doubled our stock of Carnation Plants, and can fill orders for rooted cuttings to even better satisfaction than in past years.

FOR FEBRUARY DELIVERY AND LATER.

	Per 100	1000
Red Chief, bright scarlet	$5 00	$40 00
Bonnie Maid pink, edged white	5 00	40 00
Aristocrat cerise	6 00	50 00
Winsor pink	6 00	50 00
Beacon, orange scarlet	6 00	50 00
White Enchantress white	$6 00	$50 00
White Perfection, pure white	3 00	25 00
Rose-Pink Enchantress pink	3 00	25 00
Enchantress light pink	3 00	25 00
Lady Bountiful, white	$3 00	$25 00
Victory scarlet	3 00	25 00
Dorothy Whitney, yellow	4 00	30 00
Mrs. Patten, variegated	3 00	
Harry Fenn, crimson	3 00	

F. DORNER & SONS CO., La Fayette, Ind.

Carnation Cuttings.

—FINE STOCK OF—

Lawson, Enchantress, Rose Pink Enchantress, Perfection, Lady Bountiful, $3.00 per 100; $25.00 per 1000.

Winsor, $6.00 per 100; $50.00 per 1000.

Cash with order. Address

JOHN L. WYLAND, DeHaven, Pa

Los Angeles, Calif.

The stockholders of the Southern California Horticultural Society were called together recently at the Chamber of Commerce building, the object of the meeting being to chip in and make up the deficit that the society has got into by trying to run flower shows and vaudeville.

C. E. Morton, of Chicago, is the new manager for the Redondo Floral Co., succeeding Harry Friend; the latter is now managing the flower store in the Broadway department store.

Fine violets (Princess) are selling in some of the stores at five cents per bunch, 50 to 60 in a bunch. Wouldn't that jar you?

J. W. Wolfskill met with a painful accident dislocating his shoulder. The last report was favorable to a good recovery.

Pasadena, Calif.

We are quite busy these days and working hard on our third annual flower show, which is to be held April 2-4. The committee appointed on arrangement and detail consists of: Robert Pegg; Robt. J. Kroll; Richard Thomas; Geo. F. Nilsson; G. A. Sawyer; Otto Hutchey; P. W. Jannock; A. T. Hansen; J. McGilvray, and John Blake. Already a large number of growers have applied for space and the gardeners in general are giving extra care to their plants, in order to have ready for the exhibition the grandest and rarest collection of flowers and plants ever exhibited in southern California.

The Gardener's Association meets at the board of trade, 43 W. Colorado street, and the secretary is R. Mackinzie.

R. J. K.

SAN FRANCISCO, CAL.—Wm. Kent, of Chicago, has deeded to the government a tract of land of 295 acres of natural redwood forest in the southern slope of Mount Tamalpais, about six miles from this city. It is the intention to name the national monument Muir Woods, after John Muir, the noted naturalist.

PORTLAND, ORE.—A committee representing the Rose Carnival Association, met with the park board at a special meeting this morning to consider the proposition of planting roses in the city park blocks as an added attraction for the visitors who are expected in the city during the rose carnival next June. As a result of the conference the board decided to plant large massed beds of roses in three of the park blocks as an experiment. If the plan proves a success all of the park blocks will be adorned in the same manner. The proposal of the carnival committee to plant roses entirely surrounding the park block met with a blank refusal from the park board.

LLOYD Will Not Disappoint You.

The only ever blooming **White Carnation** in existence. It is the bread and butter white of the future. Size and stem of Enchantress, with the freedom of McGowen. Easy Rooted. Excellent keeper and shipper. Best seller of any carnation on the market.

Rooted Cuttings, **$2.00** per doz., **$12.00** per **100**, **$100.00** per 1000; unrooted **$6.00** per **100**, **$50.00** per **1000**.

H. A. JAHN, New Bedford, Mass.

NEW CARNATION

PRESIDENT SEELYE

The Unexcelled White

A Seedling from Mrs. T. W. Lawson and The Queen, now in its fourth year.

A large well-formed flower, long stemmed from the start; fragrant and productive; easy to grow; calyx does not split, and will do the best in a temperature of 50° to 52°

A money maker for the wholesaler and excellent for the small retail florist who grows but a few hundred of each kind.

The trade is invited to visit the greenhouses and see it growing. Every cutting guaranteed well rooted and free from disease. **$10.00** per **100**; **$75.00** per **1000**.

—Orders booked now for January delivery.—

H. W. FIELD, Northampton, Mass.

Immediate delivery of the following

CARNATIONS

	Per 100	Per 1000
Winsor	$ 6 00	$ 50 00
White Enchantress	6 00	50 00
Aristocrat	6 00	50 00
Beacon	6 00	50 00

Write for list of other varieties.

Jensen & Dekema, 674 Foster Ave., Chicago, Ill.

Mention the American Florist when writing

JOHN E. HAINES,

BETHLEHEM, PA.,

is the place to order rooted cuttings of the following varieties for 1908.

	Per 100	Per 1000
John E. Haines, red	$6.00	$50.00
Imperial, variegated	6.00	50.00
Pink, Pink	6.00	50.00
Enchantress, Light pink	6.00	50.00

Place orders early for December delivery.

White Enchantress.

ROOTED CUTTINGS

$6.00 per 100; $50.00 per 1000.

E. SCHRADER, New Springville,

RICHMOND BOROUGH, N. Y.

EARLY JANUARY DELIVERY

50,000 Well-Rooted **Winsor Cuttings**

WRITE FOR PRICES.

WILL BROS. Wholesale Florists...

P. O. Box 29, **MINNEAPOLIS, MINN.**

NEW CARNATION **DEFIANCE** BRILLIANT SCARLET

There are Seven Reasons why you Should Grow Defiance,—and they are:

1st. **It is by far the best color** seen in a scarlet carnation; it is the true velvety scarlet and not red; it will average three inches in diameter throughout the season.

2nd. **It is unexcelled for productiveness** by any carnation in commerce to-day

3rd. **It is a clean and upright grower,** producing an abundance of high grade flowers without any special treatment.

4th. **It is in perfect health,** and not subject to rust or any other disease which is very prevalent amongst other carnations to-day.

5th. **It is of perfect form.** Blooms are very symmetrical: center nicely built up and very full, but not so as to appear crowded; stems are very stiff and wiry, holding the flowers perfectly erect.

6th. **It is a scarlet for the entire season,** and can be had in crop in October, continuing through the entire season. It does not lose its color in bright sunlight—in fact, it improves under a bright sun when other reds fade.

7th. **It is the only scarlet to-day,** and by growing **Defiance** you will be satisfied it has no faults, it is full of vigor and will do the work when other scarlets fail.

Strong well-rooted cuttings, every one guaranteed, **$12.00** per **100; $100.00** per **1000.** Usual discount on large orders. January delivery as yet.

Jensen & Dekema, 674 W. Foster Ave., Chicago. **W. N. Rudd,** Morgan Park Ill.

Mention the American Florist when writing

CARNATIONS.

WELL ROOTED.

We offer the following Carnations in excellent condition, better stock has never been offered: Winsor, Beacon, Aristocrat and pure White Enchantress, $6.00 per 100; $50.00 per 1000. White Perfection, Victory, $3.00 per 100. Lawson, Var. Lawson, B. Market, Robt. Craig, Candace $1.25 per 100; $10.00 per 1000; 5 per cent discount cash with order. If not satisfactory return at my expense.

W. W. COLES, Kokomo, Ind.

Mention the American Florist when writing

ROOTED CUTTINGS.

Carnations. Winsor, White Enchantress, $6.00 per 100; $50.00 per 1000. Rose Pink Enchantress, White Perfection, Victory, $3.00 per 100; $25.00 per 1000.

Salvia Zurich, the ever blooming salvia, 2-in., $1.00 for 25; $3.00 100; $25.00 1000. Rooted cuttings, $1.75 100. February delivery.

J. L. SCHILLER, 929 Prouty Ave. Toledo, Ohio.

Mention the American Florist when writing

Toronto.

BUSINESS SLOW.

Real winter weather with the glass showing 14° below and any amount of snow is not helping the retailer any and as there has been a decided falling off in large social functions with little funeral work, there is not much to crow about. Roses, carnations and all stock are more plentiful than it has been all winter and prices are consequently easing considerably. Bulbous stock predominates and all the windows about town are showing daffodils galore with prices as low as 25 cents per dozen. Carnations in all the leading fancy varieties are plentiful. The very best bulbous stock is also plentiful, while of orchids there are not enough to fill orders.

NOTES.

At the last meeting of the Ontario Horticultural Society a committee on the nomenclature of plants was appointed: Prof. W. Hunt of the Agricultural College, Guelph; J. Cavers, Oakville; W. T. Macoun of the Central Experimental Farm, and H. B. Cowan, Toronto. The object of the committee is to correct as many mistakes as possible in the names and descriptions of plants in common usage and they hope to present to the association at its next meeting lists of the best varieties of some of the more popular kinds of plants correctly named and described.

The position for park commissioner is being sought for by a large number of persons, some with experience but mostly without. At the Gardeners' and Florists' meeting it was recommended that the vacancy be filled by Assistant Chas. Chambers.

H. G. D.

GERANIUMS

Our new decriptive catalogue, mailed to the trade, Standard varieties and novelties from $2.00 per 100 up. We will send one thousand, 50 each of 20 good sorts for $18.50; five hundred for $9.25. Cash with order; not less than 500 sent at this price.

PELARGONIUMS Purity, Countess of Crew, Duke of Cornwall, Galatea, Gloriosa, Lady Carrington, and Tommy Todd. Fine stock at $1.50 per doz.; $6.00 per 100.

Miscellaneous Plants, From 2-inch pots, ready for immediate shipment.

	Per 100		Per 100
Ageratum, Stella Gurey	$ 2 00	**Hardy English Ivy,** $15.00 per 1000	2 00
Alyssum, Giant double	2 00	**Lobelia,** Crystal Palace Gem	2 00
Cuphea, Cigar plant	2 00	**Lantanas,** 10 good varieties	2 00
Hardy Chrysanthemums,	2 00	**Panicum,** Variegated	2 00
Coleus, 10 good varieties	2 00	**Tradescantea,** park variegated	2 00
Fuchsias, in good assortment	3 00	**Verbena,** white, pink, scarlet and purple	2 00
Fuchsias, Black Prince and Minnesota	2 00	**Rosemary** and **Lavender,**	2 00

DAHLIA ROOTS 100 good sorts left at $5.00 per 100; $40.00 per 1000 and up. Send for list.

Visitors always welcome. Cash with order.

R. VINCENT Jr. & Sons Co., WHITE MARSH, Balto Co., MD.

Mention the American Florist when writing

CARNATIONS ROOTED CUTTINGS.

Aristocrat	Per 100, $ 5 00	Enchantress	Per 100, $ 2 00
Winsor	" 5 00	Lady Bountiful	" 2 00
Perfection (White)	" 2 75	Victory	" 2 75

Rose Pink Enchantress, $2.75 per 100.

SALVIA ZURICH, The Ever-blooming Salvia. Rooted cuttings, $1.75 per 100; 2-in. $3.00 per 100.

The Salvia Zurich was first introduced by us.

PERENNIAL GARDENS CO., Toledo, Ohio.

Mention the American Florist when writing

Rooted Carnation Cuttings

White.	Per 100	1000
White Perfection	$3 00	$25 00
White Enchantress	6 00	
Pink.	**Per 100**	**1000**
Enchantress	$2 00	$15 00
Rose Pink	3 00	25 00
Lawson	1 75	15 00
Helen Goddard	2 50	
Aristocrat	5 00	
Red.	**Per 100**	**1000**
Beacon	$6 00	$45 00
Victory	3 00	25 00
Robt. Craig	3 00	25 00
Crimson.	**Per 100**	**1000**
Harlowarden	$1 75	15 00

ELI CROSS,

Cor. Ashland Ave. and Page Street. Grand Rapids, Mich.

Mention the American Florist when writing

CARNATIONS

Rooted Cuttings. Healthy stock.

	Per 100	1000
Winsor, Helen M. Gould, Beacon	$6.00	$50.00
White Enchantress	7.00	60.00
Melody, Victory	4.00	
Enchantress, Lady Bountiful, Red Lawson, Variegated Lawson, White Lawson, Daheim	3.00	25.00
Mrs. T. W. Lawson, Boston Market,	2.00	15.00

Send for Catalogue.

WOOD BROTHERS

FISHKILL, N. Y.

Mention the American Florist when writing

Up to Date Directory Giving all the Country's **Florists Seedsmen Nurserymen**

PRICE $3.00.

A FEW GOOD THINGS YOU WANT.

Asparagus Sprengeri, 2-in., $2.50 per 100; 3-in. $5.00 per 100. Seedlings, $1.00 per 100.
Geraniums, S. A. Nutt, John Doyle, Perkins, Ricard, Double Gen. Grant, 2-in. pots, $2.50 per 100; Rooted Cuttings, $1.25 per 100. E.H.Trego, Castellane, Poitevine, Viaud, 2-in. pots, $3.00 per 100; rooted cuttings, $1 50 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100; 3-in., $5.00 per 100.
Boston Ferns, 5-in., 30c each.
Vinca Var., 2-inch, $2.00 per 100.
Dracena Indivisa, 2-in. $3.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers. after being delivered to the Express Companies properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

Mention the American Florist when writing

SPECIAL We offer this week:

	Per 100
400 Arg. Guttata **Begonias**, 2½-in.	$3 00
400 Dew Drop and Erfordia, 2 to 2½-in.	3.00
100 Rubra. 2½-in.	3-50
1000 assorted, 6 to 10 varieties, 2 to 2½-in.	2.50
2½-in. **Petunias**, fine double fringed. 3 vars.	2.50

Write us at once in regard to **Hydrangeas, Lilies, Azaleas,** etc. Ask for our spring list.

Special Values in Bostoniensis Ferns.

5000 2½-in., worth $5 00, for	$ 3.50 per 100
1000 4-in., worth $15 00, for	12.50 per 100
1000 5-in., worth 25 00, for	22.50 per 100
1000 6-in., worth 50 00, for	37.50 per 100

This special is for cash, and satisfaction guaranteed or money refunded. Ask for our complete list of **Ferns** and **Soft Wooded Plants.** Price good until Feb. 5, unless sold out before.

GEO. A. KUHL, Wholesale Grower, **Pekin, Ill.**

Mention the American Florist when writing

10,000 Dbl. Red Geraniums

Best bedders, 2½-in. $3.00 per 100; $25.00 per 1000. Send for samples. Good, strong plants. **MUST HAVE ROOM.**

SCHMAUS BROS., Paducah, Ky.

Mention the American Florist when writing

GERANIUMS

ROOTED CUTTINGS.

All engaged until early in March. Will have a big lot then. Send for list and place your order if wanted at that date.

ALBERT M. HERR, Lancaster, Pa.

ROOTED CUTTINGS. Prepaid per 100. Heliotrope German Ivy, 75c; Alternanthera 50c; Fuchsia, Coleus, Ageratum, Verbena 60c; Salvia, Vinca, 85c. Giant Marguerite Daisy, yellow. Cash. List Free.

SHIPPENSBURG FLORAL CO. Shippensburg, Pa

ALWAYS IN DEMAND.

Araucaria Robusta Compacta and Excelsa Glauca.

The lion of the Araucaria family, as big as a Christmas tree, perfect jewels in shape and color, about the same in width as in height. Specimen plants, 6 to 7-in. pots, 6 years old, 4-5 tiers, 28, 30, 35, 40 in. high, worth a ten dollar bill, only $3.00; 6-in. pots, 6 years old, 4, 5, 6 tiers, about 25 to 28 in. high, $2.50; 6-in. pots, 5 years old, 3, 4, 5 tiers, 20 to 25 in. high, $2.00; 6-in. pots, 5 years old, 3-4 tiers, 18 to 20 in. high, $1.50 to $1 75; 6-in. pots, a trifle smaller, 3-4 tiers; Glauca only (no Compacta), $1.25.

Araucaria Excelsa, 6 years old, 6 to 7 in. pots, 5-6 tiers, 25-30 in. high, $1.50; 6-in. pots, 5 years old, 5 tiers, 22-25 in. high, $1.00 and $1.25; 6-in. pots, 4 to 5 years old, 4-5 tiers, 20-22 in. high, 75c; 5¼-in. pots, 2 years old, 2-3 tiers, stocky little plants, 6-7-8 in. high, 40c. Sold out of 50-60c sizes.

Kentia Belmoreana and **Forsteriana,** Belgium and home-grown stock, 4-in. pots, 18 to 20 in. high, 35c; 5¼, 5½ and 6 in. pots, bushy plants, 50c, 60c and 75c each.

Asparagus Plumosus Nanus Compacta, 4-in. pots, $10.00 per 100.

Dracena Bruanti, from Belgium, full of green foliage from bottom to top, 6-in. pots, 22 to 25 in. high, 40c each

Begonia Improved Erfordii, 4-in. pots, very large, $2.00 per doz.; 5¼-in., in bloom and bud, 25c each, or $3.00 per doz. **Begonia Gracilis,** dark red, in bloom, 5¼-in. pots, 25c.

Cineraria Hyb., 4-in. pots, fast strain, $10.00 per 100; 5-in., $2.00 per doz.

Cyclamen Grandiflora, 4-in., in bud and bloom, 20c.

Ficus Elastica or **Rubber Plant,** home grown and Belgium stock, 5, 5½, 6 and 7 in. pots, 30c, 35c, 50c, 60c and 75c each.

☞ Now is the time to force **Hydrangea Otaksa** for Easter blooming. Remember only pot-grown will force successfully for Easter. We raise ours in pots outside in cold frames during summer. Can spare of these about 500 plants from 6 to 7-in. pots. Price, 25c, 35c, 50c and 75c each.

Cocos Weddelliana (Palm), 3-in. pots, 12-15-18 in. high, 15c to 18c each.

Azaleas, red and variegated, in bloom, 75c.

Azalea Indica for Easter blooming. Have an immense stock grown for us in Ghent, Belgium, by an expert in azaleas. Have only leading varieties, such as Mme. Van der Cruyssen (2,500 alone, all shapely plants, full of buds), Simon Mardner, Vervæneana, Bernard Andreas Alba, Apollo, Niobe, Deutsche Perle, Prof. Wolters, Empress of India, and others; 6-in. pots, 50c; 6-7 in. pots, 60c, 75c, $1.00, $1.25, $1.50, $2.00 to $2.50 each.

Latania Borbonica, 4-in. pots, about 18 to 20 in. high, 25c each.

Choice Nephrolepis, all pot-grown.

A middle bench full of choice **Whitmani Ferns** in splendid shape, 7-in. pots, bigger than 8 in., made up in July (three plants in pot), now big as a bushel basket, worth $3.00, and are beauties, cut down to $1.50 and $1.25 per pot; 6-in. pots, very handsome, 75c to $1.00 eacF.

Boston Ferns, 8-in. pots, made up, very bushy, as big as a wash-tub, worth $3.00, only $1.25 to $1.50; 7-in pots, as big as a bushel basket, worth $2.00, price 75c to $1.00; 6-in. pots, very large, only 50c; 5-5½-in. pots, 30c, 35c and 40c.

Scottii Ferns, 7-in. pots, very large, $1 00 to $1.25; 6-in. pots, 50c, 60c and 75c.

Piersoni Ferns, 6-in., good, 50c; 5-5½-in. 30c, 35c and 40c; 4-in. pots, 25c.

Please mention if in or out of pots. All goods must travel at purchaser's risk. Cash with order, please

GODFREY ASCHMANN, 1012 West Ontario Street, **Philadelphia**

Importer, Wholesale Grower and Shipper of Pot Plants.

Mention the American Florist when writing

Pelargoniums

We have a fine lot of strong plants in 3-in. pots of Purity, Countess of Crew, Duke of Cornwall, Galatea; Gloriosa; Lady Carrington; Tommy Dodd, and others at $1.50 per doz., $6.00 per 100.

Geraniums

Our new illustrated catalogue mailed to the trade. We have a fine lot of Standard varieties and novelties from $2.00 per 100 up, good stock from 2-in. pots. We will send one thousand, 50 each of 20 good sorts for $18.50, five hundred for $9.25. Cash with order. Not less than 500 sent at this price.

See last week's issue for miscellaneous stock including Dahlia roots,

R. Vincent Jr. & Sons Co., WHITE MARSH, Balto Co., MD.

VISITING COMMITTEE OF NEW YORK FLORISTS' CLUB.
Inspecting Rose Mrs. Jardine at Robt. Scott & Son's, Sharon Hill, Pa.

PANSY PLANTS.

	Per 1000	100
Giant Flowering	$ 2.50	.50
Coleus, 10 varieties, 2¼-in. pots		2,00
Canna, C. Henderson, dry bulbs		2.00
Geraniums, 10 vars., 2½-in. pots	25.00	3.00
Vinca, Variegated, 2¼-in. pots		2.50

—CASH.—

JOS. H. CUNNINGHAM, Delaware, O.

Mention the American Florist when writing

Alternantheras.

Strong rooted cuttings, red and yellow, 50c per 100, or $4.00 per 1000. **Brilliantissima** 60c per 100, or $5.00 per 1000.

DAVIS BROS., Morrison, Ill.

Mention the American Florist when writing

Extra Fancy Carnation Blooms

Shipped direct to all points. Special attention to telegraph orders. Give us a trial and be convinced.

J. D. THOMPSON CARNATION CO., Joliet, Ill.

ANNOUNCEMENT

Our new seedling Carnation,

TOREADOR,

will not be disseminated until January 1909. For further particulars address

THE H. WEBER & SONS CO., Oakland, Md.

Queen.

$10.00 per 1000; 3.000 for $25.00.

Strong, Well Rooted Cuttings.

PHILIP SCHUPP,

37 Randolph St, CHICAGO.

AFTERGLOW.

$12.00 per 100; $100.00 per 1000.

Aristocrat.....$6.00 per 100; $50.00 per 1000
White Perfection .... 3.00 per 100; 25.00 per 1000
Orders booked now for future delivery.

R. Witterstaetter, Station F, Cincinnati, O.

Kansas City.

TRADE FAIR.

The most important feature last week was the sudden change in the weather, which sent the growers hustling to the boilers which have not been to very much of a strain so far this winter. The bright sunshine of the last few weeks has put all kinds of stock in tip top condition, much better than the average for this time of the year. Trade in most stores was not as good, last week, as expected but the cold weather has made a different showing and preparations are being made for a good St. Valentine Day trade. Roses are fairly plentiful and prices keep up well, the demand being mostly for light stock. American Beauty seems to be losing in productiveness. Carnations are in good demand and the quality is worthy of some note. Bulb stock appears to be finding little or no sale. Violets are good and the supply is adequate to meet the demand. Funeral work keeps a large number of lilies moving. Greens are as scarce as usual.

NOTES.

Every indication of neatness and good management prevails at A. F. Barbe's Elmwood place. At present Mr. Barbe is supplying a general line of stock, the most of which is consumed by the cemetery trade, in his own store. Some splendid stalks of white snapdragon measuring 30 inches and with eight to ten flowers are among the good things seen at his place. He has just finished cutting the best crop of poinsettias grown in this locality.

The Peterson Floral Co. is now settled in the new quarters on West Tenth street. Miss Peterson thinks the new location a great improvement over the old one on West Ninth street, which has been left behind in the growth of the city.

Raymond Blessing of the Wm. L. Rock Flower Co., is out again after a week's sickness.

Visitors: B. Eschner, of M. Rice and Co., Philadelphia, Pa.; Wm. Hageman, New York; E. S. Truitt, Chanute, Kans.; Geo. B. Weigand, Indianapolis, Ind.; Martin Reukauf, Philadelphia, Pa.; A. C. Canfield, Springfield, Ill.; James Hayes, Topeka, Kans.; C. W. Scott, of Vaughan's Seed Store, Chicago.

K. C.

"THE TEST is what TELLS THE STORY."

When growers who buy by the 100 the first season order thousands the next—**IT MEANS MERIT.**

BEACON CARNATION

occupies this enviable position; as an all winter blooming scarlet **IT HAS NO EQUAL.**

Strong, vigorous, healthy cuttings, ready now, Per 100, $6.00; per 1000, $50.00.

Winsor.....Per 100, $6.00; per 1000, $50.00
White Perfection.. " " 4.00; " " 35.00
Rose Enchantress..Per 100, $4.00; per 1000, $35.00
Enchantress ..... " " 3.00; " " 25.00

Send Money Orders on Norwood, Mass.

PETER FISHER, Ellis, Mass.

Mention the American Florist when writing

CARNATIONS. Rooted Cuttings. Immediate Delivery.

	Per 100	1000
Winsor	$6.00	$50.00
Aristocrat	6.00	50.00
Victory	3.00	25.00
Enchantress	2.00	20.00
Lawson (pink)	1 75	15.00
Lawson, (white)	2.00	18.00

GERANIUMS, La Favorite, white, R. C., $1.00 per 100.

Stevia, Rooted Cuttings $1.00 per 100.

Asparagus Sprengeri, Strong 2 year old clumps, at $5.00 per 100.

Or wil exchange the above for Montmort, Perkins, Poitevine or Viaud Geraniums.

—SATISFACTION GUARANTEED.—

E. T. WANZER, Wheaton, Ill.

Mention the American Florist when writing

CARNATIONS Now Ready

Afterglow the new pink, and **Brittania,** the English scarlet..$1.75 per doz.; $12.00 per 100
Pot plants, 2½ in..... 16.00 per 100

	Per 100	Per 1000
Aristocrat, Winsor, Imperial, Beacon and **Pink Imperial**	6.00	50.00
White Perfection, Enchantress, Craig, Victory, Bountiful and **Patten**	3.00	25.00
Fair Maid, Variegated Lawson, Peary and **Lawson**	2.50	20.00

BOOKING ORDERS FOR GRAFTED ROSES OF ALL STANDARD VARIETIES.

Send for my complete list.

CHARLES H. TOTTY, Madison, N. J.

CARNATION CUTTINGS. Well Rooted. Ready Now.

SPECIAL PRICES

To clean out benches while this lot lasts.

	Per 1000	Per 100
Enchantress	$15 00	$2 00
Lawson	10 00	1 50
J. E. Haines	15 00	2 00
Aristocrat	30 00	3 50
Pink Imperial	$30 00	$3 50
Pink Patten	15 00	2 00
White Perfection	25 00	3 00
Winsor	50 00	6 00

ALBERT M. HERR, Lancaster, Pa.

—ROOTED—

CARNATION CUTTINGS

It will pay you to send for my descriptive catalogue and price list of the best novelties and standard varieties before buying.

A. F. Longren, Des Plaines, Ill.

CARNATIONS

Rooted Cuttings—both Standard varieties and Novelties.

PROMPT DELIVERY.

Write for price list.

S. S. SKIDELSKY, 1741 N. 18th St., PHILADELPHIA, PA.

NEW ROSE

MY MARYLAND

Best Up-to-Date Commercial Rose.

Read what others have to say about it:

Among the many new roses of the year; there is none which has impressed us more as being worthy of a thorough trial. It has been exhibited only as No. 294; being a seedling raised by John Cook, of Baltimore. A beautiful rose with an exqusite fragrance. In color, it may be described as a soft salmon pink, which brightens up beautifully as the bud opens. We are intending to plant this rose in quantity. A. N. PIERSON, Cromwell, Conn.

In reply to your inquiry what we think of your new Rose My Maryland. We would say that after seeing others, we still believe that you have the Best New Rose of modern times. GUDE BROS., Washington, D. C.

PRICES: 2 and 2 1-2-inch pots, $25.00 per 100; $200.00 per 1000; 3-inch pots, $5.00 per dozen.

JOHN COOK, 318 N. Charles Street, BALTIMORE, - MD.

To Be Done Now.

IN THE GREENHOUSES.

Wake up the mignonette with a little fertilizer if it seems to be shy in growth or flowering.

Begin to increase the temperature slightly for roses in pots that are to be in flower for Easter.

Repot autumn struck fuchsias and insert more cuttings if they are likely to be needed.

Where old benches of maidenhair ferns were cut back in fall and are now making a good growth a little feeding is in order.

A good application of bonemeal will be of great assistance to the roses that are making rapid growth.

Watch the carnations that are being fed and if any show signs of yellowing at the points cease feeding at once.

Keep well in front of the rose disbudding and do not allow the force of the plants to be wasted in forming useless shoots.

Keep the flowers picked off alternantheras or few growth shoots for cuttings will be produced.

Give the young beds of smilax a little liberty, to gain strength, before the strings are put on.

IN THE STORE.

Take all damaged ferns back to the greenhouses and let them be livened up a little.

A fine wreath recently noted was made with Sunrise roses and Asparagus Sprengeri, over white carnations.

Newspapers soaked for two weeks in water make excellent packing material for long-distance shipments of flowers.

Nothing is worse for the lasting qualities of flowers than being left about after cutting before being placed in water.

Killarney is one of the few roses that improve in color as they open.

Keep azaleas very cool and moist or the flowers will soon drop.

TAUSENDSCHON.

or in English, **THOUSAND BEAUTIES,** is the sensational new Climbing Rose of the year. Every florist should have it. Is not excelled for forcing purposes and for general planting by any Climbing Rose now known, **not even barring Crimson Rambler.** This is the coming forcing Rose. Get your stock early. It is beautifully illustrated in ten colors and gold in **Our New Guide to Rose Culture,** for 1908 the Leading Rose Catalogue of America. Copy **free** for the asking.

Strong plants of Tausendschon from 3-in. pots, 10 for $2.00; $15.00 per 100; $125.00 per 1000.

Single Hyacinths, all the leading named varieties King of the Blues, Czar Peter, Norma, etc., $3.00 per 100.

Single Hyacinths, all colors mixed, $2.00 per 100.

Double Named Hyancinths, Goethe, Lord Raglan, Pure d'Or, Blolksbergeb, etc., $3 00 per 100.

Crocus, Named Varieties, $3.00 per 1000; Mixed Yellow, Mixed Purple and Blue, $2.50 per 1000.

Narcissus, Paper White Grandiflora, $1.00 per 100; $8.00 per 1000.

Dahlias, all the leading varieties $45.00 to $50.00 per 1000. Send for list.

Cannas, all the leading varieties $10.00 per 1000 and upwards. Ask for list.

Rex Begonias, the largest and cleanest stock in the country, $5.00 per 100; $45.00 per 1000.

The Dingee & Conard Co., West Grove, Pa.

Mention the American Florist when writing

OUTDOORS.

All shrubs that commence to grow early should be planted as soon as possible after the frost goes out of the soil.

Finish up all pruning of hydrangeas as soon as possible. H. Hortensia and others that flower at the point of last season's growth must not, of course, be pruned now.

Look over all fall planted trees and if staking or tying is necessary attend to it at once.

Burning the top soil of any foul land helps kill many perennial weeds.

See that there are no woodbine or similar weeds around the roots of newly planted fruit bushes or they will lead to much trouble later.

As the bulb flats are emptied repair any that need it and store them away for next season's use.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

Mention the American Florist when writing

ROSES.

Maids, Brides and Golden Gates: strong 2 and 3-eye rooted cuttings, $1.50 per 100; $12 per 1000.

DAVIS BROS., Morrison, Ill.

Mention the American Florist when writing

NEW ROSE

MRS. JARDINE

Has All the Good Qualities, and

IS A MONEY MAKER

Easy to grow. Large flower; free bloomer; fragrant. It has already been awarded many honors — a silver medal from the Massachusetts Horticultural Society, a silver medal from the Pennsylvania Horticultural Society, and numerous certificates. It has also stood the best test that any novelty could possibly have, in receiving the highest honors of the Awards Committee of the New York Florists' Club, after their exhaustive examination of the growing plants in December; they having unanimously awarded **Mrs. Jardine** the club certificate, with a score of 92 points.

Our young stock is in superb condition, and all orders will be filled in strict rotation on and after March 15th, from 2 1-2 inch pots, $6.00 per dozen; $30.00 per 100; $250.00 per 1000; $1,125.00 per 5,000. Grafted plants on Dickson's Manetti Stocks, $5.00 per 100 additional. Send orders to

ROBERT SCOTT & SON, Sharon Hill, Pa. OR **WILLIAM P. CRAIG,** 1305 Filbert St., Philadelphia, Pa.

Sole Selling Agents in the United States and Canada.

Baltimore.

GOOD STOCK SCARCE.

We have been brought up with a short turn in our dream of a wintery winter, and the past week has seen a change to arctic severity, with ice, snow and winds which qualify it to serve as an example of what our climate can do in the way of sudden and marvelous transformations. A blinding snowstorm one night, followed by a fierce windstorm, and this by zero temperatures, made an experience which is not met every year in this section. The effect on cut flowers has been very unfavorable, naturally, and it has been hard to fill orders which required good stock. Business would have shown considerable animation had the stock been obtainable to meet requirements, several large funerals making heavy drafts for good flowers, while a number of weddings added to the demands.

NOTES.

The new rose raised by John Cook, which has received the name of My Maryland, continues to attract much interest by its floriferousness, soft color and delicious fragrance, and the stock is being ordered from far and near. This rose was described several months ago in the AMERICAN FLORIST, and some of the profession here are outspoken in their belief that this veteran rosarian has capped his long experience as a hybridizer in this latest product of his skill and patience.

Quite a number of the trade from this city attended the carnation convention in Washington, and it was a matter of some exultation that when the society paid its respects to President Roosevelt the flowers which were required were drawn from this market. S. B.

STERLING, ILL.—The Sterling Floral Co. has decided to call its new carnation Sterling, instead of The Sport, as previously announced.

Mrs. Potter Palmer 2½-in., $15.00 per 100; $125.00 per 1000; 3½-in., $150.00 per 1000.

	R. C. per 1000	2½-in. per 100	2½-in. per 1000	3½-in. per 1000
American Beauties	$27.50	$6 50	$60.00	$80 00
Maids, Brides	18.50	4 50	40.00	60.00
Uncle John	18.50	4.50	40.00	60.00
Richmond	18.50	4.50	40.00	60.00

Cardinal 2½-in., $15.00 per 100; $125.00 per 1000; 3½-in., $150.00 per 1000.

	R. C. per 1000	2½-in. per 100	2½-in. per 1000	3½-in. per 1000
Chatenay	18.50	4.50	40.00	60.00
Perles		5.00	45.00	65.00
Sunrise		5.00	45.00	
Killarney	35 00	6.00	55 00	75.00
Kaiserin	18.50	4.50	40.00	60.00

CARNATIONS.

	Rooted Cuttings per 100	per 1000	2½-inch per 1000
White Lawson	$2.00	$20.00	$35.00
Pink Lawson	2 00	20.00	35.00
Variegated Lawson	2.20	20.00	35.00
Red Lawson	2 00	18.00	32.00
Victory	3 00	25 00	40.00
Beacon	5 00	45.00	60.00
Welcome	5.00		
Winsor	5.00	45 00	60.00

In Season—	2½-in. Per 100	per 1000	3-in. per 1000
Smilax	$2 50	$22.00	$35.00
Asparagus Sprengeri	3.00	25.00	35.00

	Rooted Cuttings per 100	per 1000	2½-inch per 1000
Rose Pink Enchantress	3.00	25.00	40.00
Enchantress	3,00	25 00	40.00
White Enchantress	5 00	45.00	60.00
Aristocrat	5.00	45.00	60 00
White Perfection	4.00	35.00	50.00

We have an exceptionally large stock of the Lawsons, Victory, Winsor and Beacon.

Asparagus Plumosus, 6-in. stock for benching $15.00 per 100; $125.00 per 1000.
Chrysanthemums in season.
Price list mailed on application.

POEHLMANN BROS. CO., Morton Grove, Ill.

HOLBROOK, MASS.—C. L. Pierce is cutting from a full crop of fine early cucumbers.

PITTSBURG, PA.—An involuntary petition in bankruptcy was filed in the United States district court January 27, against Lincoln I. Neff, of 218 Sixth street. He resides at Springdale. The claims of the three petitioning creditors amount to $4,100.

NEW YORK.—Among the passengers who sailed on the Royal Mail Steam Packet Co.'s liner Magdelena for Colon, January 25, was R. S. Williams, assistant curator of the Botanical Gardens, who goes to the isthmus to collect dried specimens and rare plants for the Botanical Gardens. He said it was the first time since 1859 that any attempt had been made from this country, to get specimens of the fauna and flora of that region. On arrival at Colon he intended to take train for Panama and charter a small coasting schooner to go northward along the coast and make excursions at various points into the interior. He said he hoped to get some rare orchids. He will return in May.

Spring List

2½-in. ROSES 4-in.

now being mailed. Get yours?

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO

Mention the American Florist when writing

NEW NEW

Rambler Rose

"NEWPORT FAIRY"

To be disseminated Spring 1908. Ask for illustrated pamphlet and prices.

JULIUS ROEHRS CO., Rutherford, N. J.

ADIANTUM FARLEYENSE.

DREER'S MIXED FERNS
FOR DISHES

There always has been a scarcity of **First Class Ferns** during February and March, and in anticipation of this we have this season prepared an extra quantity of both 2¼ and 3 inch pot plants which are now in prime condition, better than we have ever been able to supply at this season of the year. We offer

	Per 100	Per 1000
2¼-in. pots, in choice mixture	$3.50	$30.00
3 " " " "	6.00	50.00

We also have an exceptional fine lot of

Adiantum Farleyense.

6-inch pots, fine specimens........$1.00 each
8 " " " "........2.00 each

Nephrolepis Amerpohli

6-inch pans, elegant stock........$1.00 each

For a complete list of seasonable stock see our **Quarterly Wholesale List** just issued.

HENRY A. DREER
714 Chestnut St., PHILADELPHIA, PA.

2,000 Asp. Sprengeri,

4-in. pots, extra strong, $10.00 per 100.
Cash with order.

EDWARD TATRO,
401 East Iron Ave., SALINA, KAS.

Lexington, Ky.

In the blue grass region, famed for belles, beauty, Bourbon and race horses, may be found the model retail store of the west, Honaker's. Here is a salesroom equipped in the most complete manner with elegant furnishings, display refrigerator and the latest model convenient appliances. It is well worth a long trip to visit this retail salesroom, as complete as ingenuity and money can make it. D. B. Honaker is in charge of the store, while his brother, Ollie Honaker, manages the greenhouses. Messrs. Evans and Brothers, the former recently from Duluth, the latter from Peoria, are able assistants, the former bringing with him a young wife from the cold regions of the north. Wm. Cole is rose grower coming from the Brown establishment at Richmond, Va.

Wilson Tiplady, well known among the private gardeners about Chicago, is now at J. B. Haggin's Elmendorf estate.

Keller Bros., who succeeded John A. Keller, will rebuild their plant this summer.

J. B. O'Neil, of Vaughan's Seed Store, Chicago and New York, was a visitor last week.

Michler Bros. report a good demand for outdoor grown stock.

Des Moines, Ia.

Business the past week has been brisk in all lines, especially the funeral trade.

Guthrie-Lorenz Co. will open a store at 420 Sixth avenue February 6 with a full line of cut flowers, seeds, plants and poultry supplies. Under the management of Mr. Guthrie, who has been with the Iowa Seed Co. for the past 15 years, we predict a success for this new firm. Frank Stevens, formerly with the Alpha Floral Co., will have charge of the cut flower department.

J. T. D. Fulmer, at present the florist for the parks of the city, and one who has been in the florist business for a good many years, has been seriously ill with pneumonia, but is on the road to recovery.

T. L.

FERNS

2¼-inch Boston, extra strong	$ 3 00 per 100;	$ 25 00 per 1000
3 -inch Boston, extra strong	6 00 per 100;	55 00 per 1000
4 -inch Boston, extra strong	10 00 per 100;	95 00 per 1000
3- inch Scotti and Elegantissima	8 00 per 100;	75 00 per 1000
4 -inch Scottii	12 50 per 100;	100 00 per 1000
2¼-inch Elegantissima	4 00 per 100;	35 00 per 1000
4 -inch Elegantissima	15 00 per 100	
6 -inch Boston and Piersoni	35 00 per 100	
2¼-inch Asparagus Plumosus	$3 00 per 100;	$25 00 per 1000
3 -inch Asparagus Plumosus	5 00 per 100;	45 00 per 1000
2¼-inch Asparagus Sprengeri	2 25 per 100;	20 00 per 1000
3 -inch Asparagus Sprengeri	5 00 per 100;	45 00 per 1000
4 -inch Asparagus Sprengeri	8 00 per 100;	75 00 per 1000

THE MOSBÆK GREENHOUSE CO., ONARGA' ILL.

Neph. Whitmani

2¼-inch........$ 5.00 per 100
3½-inch........25.00 per 100

Boston Ferns 2¼-inch, $3.00 per 100.

Henry H. Barrows & Son, WHITMAN. MASS.

H. J. Smith

HARDY CUT FERN DEALER, ETC.,
HINSDALE, MASS.

LARGEST STOCK OF ALL

Belgian Plants.

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

Louis Van Houtte Pere,
GHENT, BELGIUM.

Anton Schultheis

WHOLESALE PLANT GROWER,

College Point, New York.

Price list of Foliage, Flowering and Decorative Plants sent free on application.

Mention the American Florist when writing

Nephrolepis Amerpohlii

For immediate delivery. Good strong plants from 2½-in. pots, $15.00 per 100.

JANESVILLE FLORAL CO.,
JANESVILLE, WIS.

Mention the American Florist when writing

ARAUCARIAS.

Nice plants from 5-in. pots, 4 to 5 tiers
60c each. $5.50 per dozen.

The Conard & Jones Co. WEST GROVE, PA.

GET NEW CUSTOMERS By placing your specialties before the purchasing florists of the entire country by advertising in

Send Copy Now. THE AMERICAN FLORIST.

New Violet Boston.

The people today are looking for New Violets just as much as they are for new roses or carnations.

The Boston Violet For the past two years has been before the most sceptical buyers in America, and they prefer it to any other.

There's a Reason The Boston Violet is the largest, the most fragrant, it has a pleasing color, and it is a great keeper.

The Boston Violet Is a variety that is easily grown; it is the strongest grower and is in crop from September to May.

The Boston Violet Was awarded a First Class Certificate of Merit by the Massachusetts Horticultural Society and a Report of Superior Merit by the Gardeners' and Florists' Club of Boston.

Distribution will commence in April.

...ORDER NOW...

Prices: $2.00 per doz.; $12.00 per 100; $100.00 per 1000.

WILLIAM SIM,

Cliftondale, Mass.

To Improve National Forest Ranges.

The government has planned a series of scientific reseeding experiments on several of the national forest ranges next spring and summer, to determine under what conditions and in what manner those portions of the range which have been seriously damaged by overgrazing may be restored to their former productiveness.

A great deal of the range land in the west is overgrazed and does not carry as much stock as formerly. The method of handling stock, particularly sheep, is, perhaps, more responsible for this condition than any other cause. But all causes of deterioration and all means for improving the forage crop need to be studied, that the range may be brought into the best condition to meet the imperative demand of the live stock industry.

The plan is to establish experimental stations in several parts of the country. Probably not more than six will be tried at first, but they will be so located as to secure typical conditions. The experiments will be begun on a small scale, on five or six-acre tracts. Both native and wild grasses will be tried, but it is believed that the plan of encouraging native grasses will meet with greater success than the introduction of cultivated species, at least in the Rocky Mountain region. In the coast ranges, with their greater rainfall, cultivated grasses are more likely to play an important part in range development.

The ranges of the northwest have not been so seriously damaged by overgrazing as those of the southwest, perhaps because of superior moisture conditions of the northern part of the country. It is a fact, however, that none of the ranges support the stock which they did formerly, and reseeding experiments will, therefore, be undertaken in this section of the country also.

Ten-Week Stocks.

ED. AMERICAN FLORIST:—

Does the term "Ten-Week Stocks" mean that these plants will flower in 10 weeks from the time the seed is sown? C. U.

Doubtless this was how this class of stock came to be so named. They usually flower in about three months under the best culture. G.

Chrysanthemum Novelties

Both Foreign and Our Introduction, **ARE NOW BEING DELIVERED.**

A FEW OF THE LEADERS Now Ready in quantity.

Our Introductions: Pacific Supreme, Rosemaur and White Cloud.
Sundry English: Mary Donellan, Dorothy Gouldsmith, Mrs. H. R. Haggard, Mary Mason, Mrs. J. C Neill, Mrs. W. Wells.
Sundry French: Algeciras, Ami Bergeret, Carlo Kracht, Commandant Matthieu, Le Lutin, Leon Truelle, Mlle. Poulette, M. Paul Randet, Mme. Vellay-Desmesiratz, Pres. Fallieres, Polypheme, Sisowath, S. A. Naceur-Bey, Touring Club.
Above in strong plants at 50c each; $35 00 per 100.
Can supply many others in small quantity at present.

In **Standard Sorts,** the following are now **in their prime:** Mrs. J. E. Dunne, Mrs Geo. Mileham, Mrs. Henry Barnes, Mrs. Wm. Knox, Chrysanthemiste Montigny, Dakoma, Pres Loubet, T. Carrington Brighthurst, Lanona, Arthur Mileham W. Wells, Pres. Roosevelt Mrs. Geo. Heaume, M. Loiseau-Rousseau, Villa de Paris, Dorothy T. Eady, Winnifred, Alice Roosevelt, Monrovia, Oct. Frost, Fidelity, W. H. Chadwick, Rosiere, Dubuison-Foubert, F. S. Vallis, Mrs. J. R. Tranter, etc.

If in need of others not mentioned, **SEND FOR OUR COMPLETE CATALOGUE,** in which we offer all the popular sorts of the day, new and old.

ELMER D. SMITH & CO., Successors to Nathan Smith & Son, **Adrian, Mich.**

PADUCAH, KY.—According to C. L. Brunson & Co., McKinley Day was more generally observed in this city than ever before, many who do not use flowers generally wearing carnations. This firm presented a carnation to every man of the police and fire departments, from the two chiefs to the newest recruit, every man as he reported for duty being decorated with the popular flower by Chief Collins.

Advertisers all remind us
We, too, can become quite rich,
And departing leave behind us
Automobiles, yachts and "sich."

CHRYSANTHEMUMS.

ROOTED CUTTINGS.

Leading varieties at $1.00, $1.50 and $2.00 per 100 according to variety.

Schmalzl & Hembreiker, Lincoln, Ill.

Mention the American Florist when writing

THE Alabama Nursery Co., Huntsville, Ala., have just issued a handsome and very complete illustrated book of nursery tools—send for it.

Gladioli....

Write for 1908 trade list of Named Varieties, Color Sections and Choice Mixtures. First-class stock at reasonable prices:

E. E. STEWART, RIVER JUNCTION, MICH.

Mention the American Florist when writing

30,000 Dahlias

Extra good field-grown clumps, grown in the famous Wisconsin strawberry belt. Satisfaction guaranteed. Good clumps, 2c and up. List ready.

H. W. KOERNER, Station B,
MILWAUKEE, WIS.

Mention the American Florist when writing

Sprengeri, 2-in. 2c **Swainsonia alba,** 2-in.. 2c. **Ferns,** Pierson. Elegantissima. 2-in. 3c.
Rooted Cuttings prepaid per 100: **Flowering Begonias,** $1.25 per 100; **Paris Daisies,** yellow and white, $1.00 per 100; Alexandra $1.25. **Petunia,** double, 10 kinds $1.00: **Swainsona Alba,** $1.00. **Cuphea,** 75c. **Heliotrope,** 3 kinds $1.00, **Fuchsia,** 5 kinds, $1.25. **Vinca Variegata,** 90c. **Hardy Pinks,** 5 kinds. 75c. **Alternanthera,** 3 kinds, 50c. **Coleus,** 10 kinds. **Ageratum,** Gurney, Pauline White, Inimitable, 60c. **Alyssum,** dbl 75c **Salvia,** Bonfire, Splendens, 90c. **Feverfew,** Gem, $1.00. **Parlor Ivy,** 75c. **Cabbage Plants,** Wakefield, Express Winningstadt, $1.00 per 1000.

Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

NEWS NOTES.

MOBILE, ALA.—Mardi Gras will be celebrated here March 1-3.

NORFOLK, NEB.—L. Buckendorf says he is doing a good business this season.

FALLS CITY, NEB.—Simanton & Pence, report business good, last year being their banner year. They contemplate doubling their glass this season.

SALT LAKE CITY, UTAH.—The Board of Park Commissioners will send to the city council for approval the names of Henry F. Heath, as parkkeeper, and A. M. Holter, as assistant florist.

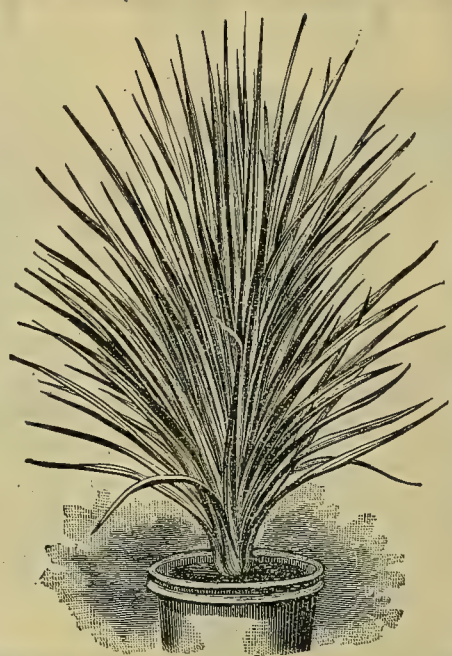
ST. JOHNBURG, VT.—John T. Borland, a clever gardener and horticulturist, died at his home January 20, from diabetes. He was a native of Dundonald, Scotland, and was 62 years of age.

BATTLE CREEK, MICH. As soon as the weather permits Burt & Coggan will enlarge their greenhouses near Oak Hill cemetery. It is the intention to double the present capacity of the greenhouses and make other improvements.

SANTA BARBARA, CAL.—The members of the executive committee of the Civic League, who have in charge the reception and floral display in honor of the arrival of the Atlantic fleet, perfected the naming of committees at a meeting held at the Potter hotel, January 16, at which time the committee members were guests of honor at a dinner of Milo M. Potter. The general scheme of decoration of the boulevard, the floral parade, floral ball, atheletic and aquatic sports and all other affairs of the three days' reception were outlined.

LINCOLN, NEB.—Chas. L. Saunders of Omaha was elected president of the State Horticultural Society January 22. Other officers elected were C. H. Green of Freemont, first vice president; J. B. Ream of Broken Bow, second vice-president: Peter Youngers of Geneva, treasurer; L. M. Russel, secretary. The following trustees were elected: W. G. Swan of University Place, J. A. Yager of York and J. Brown of Geneva. Scientific papers were read by L. O. Williams, F. E. Benny, E. F. Stephens, Dr. Charles E. Bessey and F. W. Taylor of Denver.

NEW HAVEN CONN.—At the regular meeting of the Horticultural Society Paul Bretschneider, gardener to Joseph Hubinger, exhibited some choice cut orchids and gave an excellent talk on the characteristics of these flowers and methods of growing them. He spoke of the orchid as being a splendid flower for amateurs to grow and told of the different varieties. At the end of his address the society voted Mr. Bretschneider thanks and a certificate of merit. The society meets the first and third Tuesday of each month, and invites the co-operation of all flower lovers.



Dracena Indivisa, 4-in....$ 2.00 per doz.
" " 5-in.... 3.00 "
" " 6-in.... 6.00 "
" " 7-in.... 9.00 "
" " 8-in.... 12.00 "

DAHLIAS

are becoming more and more popular every season for cut flowers, and every florist should plant liberally of these plants in the spring. By ordering now plants can be propagated in greenhouse.

Single Dahlias.

	Clumps Per 100	doz.
J. Cowan, fine scarlet	$ 6 00	$ 1 00
Fashion, crimson maroon	6 00	1 00
Jno. Downie, crimson	6 00	1 00
Sunningdale, blush white	6 00	1 00
Lustre, cheerful rosy pink, shading to blush at centre	6 00	1 00

Cactus Dahlias.

	Clumps Per 100	doz.
Mrs. A. Beck, twisted petals, rich salmon red with scarlet reflex	$ 6 00	$ 1 00
Prof. Baldwin, cardinal red	6 00	1 00
Countess of Lonsdale, a peculiar but pleasing blending of salmon, pink and amber a color difficult to describe	10 00	1 50
Kriemhelde, pink shading to white at center	10 00	1 50
F. Bartels, bright scarlet	10 00	1 50
Miss A. Nightingale, bright red shading to golden yellow at center	10 00	1 50

Show Dahlias.

	Clumps Per 100	doz.
A. D. Livoni, a pure quilled pink	$10 00	$ 1 50
Camilla Alba, pure white dwarf and bushy	10 00	1 50
One lot of good varieties of all kinds mixed	3 00	50
One lot mixed yellow	00	50

Decorative Dahlias.

	Clumps Per 100	doz.
Oban, rosy lavender	$10 00	$ 1 50
Iridescent, vivid red tipped with blue	10 00	1 50
Sylvia, pink white to center	10 00	1 50
Lancelot, bright scarlet	6 00	1 00
Mrs. Geo. Reed, purple with white tint	6 00	1 00

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A. H. Trego, John Doyle, S. A. Nutt, Berthe de Pressily, Mme. Barney $2 50
Our choice of varieties, in pink, red and white 2.00

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Marjorie Daw, Thurstoni, Metallica, Rubra and Argentea Guttata 4.00
Tuberous Rooted, Single, in named colors, white, pink, scarlet, crimson and yellow.... $3.00
Mixed 2.50
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Grand Duke Alexis and Kriemhilde ..... 7.00 per 100

Marguerites. Queen Alexandra, $3.00 per 100
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Boston Ferns. Plants well established, in 2½-inch pots, $4.00 per 100; $30.00 per 1000.

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2½-inch, $4.00 per 100; 4-inch, ready to bloom ..... $20.00 per 1000

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Rhododendrons. Short, well formed plants for pots, full of buds.
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	Each.	Per doz.	Per 100.
2½ in. pot plants		$ 0.60	$ 5.00
3-in. pot plants		1.50	10.00
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6-in. pans plants	.75	6.00	50.00
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We have an immense stock of this beautiful fern in all sizes.

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2-in. pots	$ .60	$ 4.00
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6-in. pots	6.00	50.00
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3-inch pots	4.00	30.00
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Kentias and Phoenix, in all sizes, send for list.	

	Per 100.
Dracaena Indivisa, 4-in. pots	$12.00
Dracaena Indivisa, 5-in. pots	20.00
Dracaena Indivisa, 6-in. pots	40.00
Latania Borbonica, strong seedlings from flats	2.00
Latania Borbonica, 2-in. pots	6.00

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FOR EASTER FORCING.

2-year old Budded Roses, per doz., $2.00; per 100, $15.00.
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Frau K. Druschki and Hermosa.

The following kinds, 2-year old Budded, per doz., $1.50; per 100, $11.00:

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Sherbrooke, Que.

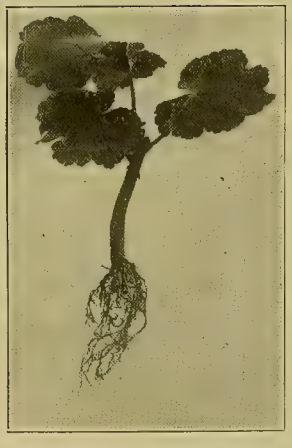
The annual meeting of the Sherbrooke County Agricultural Society was held January 18. There was a good attendance and Wm. Morris, K. C., presided. The report of Secretary W. M. Tomlinson was submitted and considered very satisfactory. The question of holding the annual seed show was discussed, and it was decided to take the matter up at a future date. The question of paying a visit to the Sir William Macdonald College at Ste. Anne de Bellevue, was discussed. It was decided that arrangements be made for a visit some time in February, some 20 of the directors and members having signified their intention of taking in the trip. The members recognize the good work that is being accomplished at this college and that a visit would be of material benefit to the farmers in this section.

The officers of the society for the ensuing year are: Wm. Norris, president; E. Fitzgerald, vice-president; W. M. Tomlinson, secretary-treasurer. Directors: A. Ames, W. S. Armitage, E. Wheeler, A. F. Ward, W. J. Hunt, W. W. Baker, R. Mitchell, A. Ward, J. L. Herbert, J. H. M. Parker.

WINNIPEG, MAN.—A. H. Stolper's business is now in the hands of Webb, Reed & Hagen, as trustees, and extensions are being asked on his accounts.

FARIBAULT, MINN.—Levi Ballon, of Morley, Mich., who has been engaged in selling nursery stock for O. F. Brand, was taken ill at the Superior house January 18, and was taken to the Hunter hospital.

ST. PAUL, MINN.—Two checks, one for $7 and the other for $1, were stolen from the office of E. F. Lemke, 91 West Seventh street, January 24. Some one entered the store and snatched the checks from a desk and departed unobserved.



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Ampelopsis Veitchii, strong, well rooted plants, 20 to 30-inch tops, well graded, $2.50 per 100; $20 per 1,000; 1-year-old for transplanting, 12 to 24-inch, $1.50 per 100; $12 per 1,000; 2,000 for $20. For sample send 25c, which will be credited on the first order. Charles Black, Hightstown, N. J.

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Araucarias, Robusta and Excelsa, 6 to 7-in., 4 to 5 tiers, 28 to 40 ins., $3; 6-in., 4 to 6 trs., 25 to 28 ins., $2.50; 6-in., 3 to 5 trs., 20 to 25 ins., $2; 6-in., 3 to 4 trs., 18 to 20 ins., $1.50 and $1.75; 6 in., 3 to 4 trs., glauca only, $1.25. Excelsa, specimen, 6 to 7 in., 5 to 6 trs., 25 to 30 ins., $1.50; 6-in., 5 trs., 22 to 25 ins., $1; 6-in., 4 to 5 trs., 20 to 22 ins., 75c; 5½-in., 3 to 4 trs., 12 to 16 ins., 50c and 60c; 5¼-in., 2 to 3 trs., 40c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Araucarias, 5-in., 4 to 5 tiers, 60c each; $5.50 per doz. Conard & Jones Co., West Grove, Pa.

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Asparagus plumosus, 2-in., strong, $3 per 100, $25 per 1,000; 3-in., strong, $7 per 100, $65 per 1,000; 4-in., strong, $12 per 100, $100 per 1,000; 5-in., strong, $20 per 100; $175 per 1,000; strong seedlings, ready to pot, $1.25 per 100, $10 per 1,000. Vaughan's Seed Store, Chicago and N. Y.

Asparagus plumosus, 2½-in., $3.50 per 100; $30 per 1,000; 3-in., 6c; 3½-in., 10c; 4-in., 12c; 5-in., 20c; 6-in., 30c. Comorensis, 2-in., 2c; 2½-in., 3c; 3½-in., 6c. Sprengeri, 2½-in., 3c; 3½-in., 8c; 4-in., 10c. J. W. Dunford, Clayton, Mo.

Asparagus plumosus, 2-in., $2.75 per 100; $25 per 1,000; Seedlings, $1.25 per 100; $9 per 1,000. Wm. F. Kasting Co., Buffalo, N. Y., or Erie Floral Co., Erie, Pa.

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Asparagus plumosus, 2½-in., $3 per 100; $25 per 1,000. Storrs & Harrison Co., Painesville, O.

Asparagus plumosus, 2¼-in., $3; 3-in., $6; 4-in., $10 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

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Asparagus plumosus, 2¼-in., $3.50 per 100; $30 per 1,000. W. H. Elliott, Brighton, Mass.

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Azaleas. Anton Schultheis, College Pt., N. Y.

Azaleas. Jacs Smits, Ltd., Naarden, Holland.

Azaleas. J. W. Dunford, Clayton, Mo.

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Bay trees. L. Van Houtte, Pere, Ghent, Belgium.

Bay trees. W. & T. Smith Co., Geneva, N. Y.

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Begonia Gloire de Lorraine, 2¼-in., $15 per 100; $140 per 1,000. Wm. F. Kasting, Buffalo.

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Carnations, Lawson, $1.50 per 100; $12.50 per 1,000. Winsor, $5 per 100; $40 per 1,000. Rose Pink Enchantress, $3 per 100; $25 per 1,000. Enchantress, White Lawson, Lady Bountiful, $2 per 100; $15 per 1,000. B. Market, $1.25 per 100; $10 per 1,000. Beacon, $5 per 100; $40 per 1,000. Robt. Craig, $2.50 per 100; $20 per 1,000. Cardinal, $2 per 100; $17.50 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

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Robt. Craig	2.50	20.00
W. Cloud	1.50	10.00
W. Lawson	2.00	15.00
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Carnations, Winsor, Beacon, Aristocrat, White Enchantress, $6 per 100; $50 per 1,000. White Perfection. Victory, $3 per 100. Lawson, Var. Lawson, B. Market, Craig, Candace, $1.25 per 100; $10 per 1,000. W. W. Coles, Kokomo, Ind.

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Carnations, Lawson, Enchantress, Rose Pink, Enchantress, Perfection, Lady Bountiful, $3 per 100; $25 per 1,000. Winsor, $6 per 100; $50 per 1,000. John L. Wyland, De Haven, Pa.

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Dracæna Bruanti, 6-in., 22 to 25 ins., 40c each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

FERNS.

Ferns. Boston, 2½-in., 60c per doz.; $5 per 100; 3-in., $1.50 per doz., $10 per 100; 4-in., $2.50 per doz., $20 per 100; 5-in., 40c each; $4 per doz., $30 per 100; 6-in. pans, 75c each, $6 per doz., $50 per 100; 7-in., $1 each, $9 per doz., $75 per 100; 8-in., $1.50 each, $15 per doz.; 9-in., $2 to $2.50 each; 10-in., $3 to $3.50 each; 12-in., $4 to $5 each. Nephrolepis Whitmani, 2-in., 60c per doz.; $4 per 100; 2½-in., 75c per doz.; $5 per 100; 3-in., $1.50 per doz.; $10 per 100; 4-in., $2.50 per doz.; $20 per 100; 5-in., $4 per doz.; $40 per 100; 6-in., $6 per doz.; $50 per 100; 7-in., $9 per doz., 8-in., $1.50 to $2 each. Amerpohli, 2-in., $2.50 per dozen; $20 per 100; 2½-in., $3.50 per doz.; $25 per 100; 3-in., $4 per doz.; $30 per 100; 4-in., $5 per doz.; $40 per 100. Vaughan's Seed Store, Chicago and New York.

Ferns, my specialty. Ferns for dishes, fine healthy stock from 2¼-in. pots, in 15 best varieties, $3 per 100; $25 per 1,000; 500 at 1,000 rate. Kentia Belmoreana, 2¼-in., $1,30 per doz.; $10 per 100. Assorted, 3-in., $6, 4-in., $12 per 100. Ad. Cuneatum, 2¼-in., $3.50 per 100; $30 per 1,000; 3-in., $6; 4-in., $12 per 100. A. Gracillimum, 2¼-in., $3.50 per 100. Cibotium Schiedei, 4-in., none better, $25 per 100. Fresh fern spores in all the best market varieties, 30c per trade package; $3 per doz. J. F. Anderson, Short Hills, N. J.

Ferns, Whitmani, 7-in., 3 plants in pot, $1.50 and $1.25; 6-in., 50c, 75c and $1 each. Boston, 8-in., $1.25 and $1.50; 7-in., 75c and $1; 6-in., 50c. Scottii, 7-in., $1; 7-in., $1.25; 6-in., 50c; heavy, 60c to 75c; 5 and 5½-in., 25c, 35c and 40c each. Piersoni, 4-in., 25c; 5 and 5½-in., 30c to 40c; 6-in., 50c. Pteris Wilsoni, 5¼-in., 20c. Amerpholi, 4-in., 50c. Mixed ferns for dishes, 2½-in., $5 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns, Elegantissima, 2¼-in., $6 per 100; 3½-in., $15 per 100; 6-in., 50c each; 8-in., $1 and $1.50 each; 10-in., $2 each. Whitmani, 2¼-in., $6 per 100; 3½-in., $15 per 100; 6-in., 50c and 75c each; 8-in., $1.50 each; 10-in., $2 each. Scottii, 6-in., 50c each. Boston, 2¼-in., $4 per 100; 6-in., 50c each; 8-in., $1 each. Small ferns, for pans, $4 per 100; $30 per 1,000. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, mixed for dishes, 2¼-in., $3.50 per 100; $30 per 1,000; 3-in., $6 per 100; $50 per 1,000. Adiantum Farleyense, 6-in., $1 each; 8-in., $2 each. Nephrolepis Amerpohlii, 6-in. pans, $1 each. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Ferns, Boston, 2½-in., 4c; 3-in., 8c; 4-in., 15c; 5-in., 25c; 6-in., 40c; 7-in., 65c; 8-in., $1 to $1.50; 10-in., $1.50 to $2. J. W. Dunford, Clayton, Mo.

Ferns, Whitmani, 2¼-in., $5 per 100; 3½-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Son, Whitman, Mass.

See our display advertisement for bargains in well-grown ferns, all sizes and varieties. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns, Boston, 2½-in., $4 per 100; $30 per 1,000. Small for dishes, $2.50 per 100. Storrs & Harrison Co., Painesville, O.

Ferns, N. Amerpohlii, 2½-in., $15 per 100. Janesville Floral Co., Janesville, Wis.

If you do not find what you need in our Ready Reference Department, write us about it.

10,000 Boston fern runners, all sizes. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns, Piersoni Elegantissima, 2-in., 3c. Byer Bros., Chambersburg Pa.

Ferns, Boston, 5-in., 30c each. Geo. M. Emmans, Newton, N. J.

Ferns. Geo. A. Kuhl, Pekin, Ill.

FICUS.

Ficus elastica, 5 to 6-in., 20 to 40 in., 30c to 75c each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

FUCHSIAS.

Fuchsias, good asst., 2-in., $3 per 100. Black Prince and Minnesota, $2. R. Vincent, Jr. & Sons Co., White Marsh, Md.

GERANIUMS.

GERANIUMS. Our stock is larger and finer than ever and includes the following SUPERB BEDDERS: S. A. Nutt, greatest crimson; Peter Henderson, grand new semi-double scarlet; Beaute Poitevine, best salmon; Mme. Buchner, the only double white; Jean Viaud, pure pink; strong top cuttings, well rooted and true to name, $1.75 per 100; $16 per 1,000. Cash. The W. T. Buckley Co., Springfield, Ill.

Geraniums, Nutt, Doyle, Perkins, Ricard, dbl. Grant, 2-in., $2.50 per 100; R. C., $1.25 per 100. Trego, Castellane, Poitevine, Viaud, 2-in., $3 per 100; R. C., $1.50 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, Trego, Doyle, Nutt, Bertha de Pressiley, Mme. Barney, $2.50 per 100; our choice in pink, red and white, $2 per 100. Storrs & Harrison Co., Painesville, O.

Geraniums, 6 varieties double, S. A. Nutt and others, 2½-in., $2.50 per 100; R. C., $1.25 per 100. The Krueger Bros. Co., Toledo, O.

Geraniums, S. A. Nutt, 2-in., $18 per 1,000. C. B. Knuth, 11801 St. Clair Ave., Cleveland, O.

Geraniums, standard and novelties, $2 per 100 up. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Geraniums, 10 vars., 2½-in., $3 per 100; $25 per 1,000. Jos. H. Cunningham, Delaware, O.

Geraniums, dbl. red, 2½-in., $3 per 100; $25 per 1,000. Schmaus Bros., Paducah, Ky.

Geraniums, La Favorite, R. C., $1 per 100. E. T. Wanzer, Wheaton, Ill.

Geraniums. A. M. Herr, Lancaster, Pa.

Geraniums. E. G. Hill Co., Richmond, Ind.

GLOXINIAS.

Gloxinias. L. Van Houtte, Pere, Ghent, Belgium.

GREENS.

Greens, dagger and fancy ferns, $1.50 per 1,000. Bronze and green galax, $1.25 per 1,000. Leucothoe sprays, $1 per 100; $7.50 per 1,000. Sphagnum moss, per bale, $1.25. Boxwood bunches, 35c; 50 lbs., $7.50. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit.

Greens, dagger and fancy ferns, $1.50 per 1,000. Galax, green, $1 per 1,000; $7.50 per case of 10,000; bronze, $1 per 1,000; $8.50 per 10,000. Wild smilax, $3.50 and $7. Laurel festooning, 5c and 6c per yard; branch laurel, per bunch, 50c. Sphagnum moss, per bag, 50c; 5 bags, $2. Henry M. Robinson & Co., 15 Province St., Boston.

Greens, cut palmetto and cycas leaves, galax, leucothoe, ferns, mosses, etc. Kervan Co., 113 W. 28th St., New York.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 52 W. 28th St., New York.

Greens, smilax, ferns, palm leaves, etc. John P. Scherer, Union Hill, N. J.

Greens, southern wild smilax. E. A. Beaven, Evergreen, Ala.

Greens, hardy cut ferns. H. J. Smith, Hinsdale, Mass.

HARDY PERENNIALS.

Hardy perennials, anemone, aster, campunula, delphinium, funkia, hemerocallis, hepatica, incarvillea, iris, peony, phlox, primula, pyrethrum, tritoma, Royal Tottenham Nurseries, Ltd., Dedemsvaart, Holland.

Hardy pinks, R. C., 5 kinds, 75c. Byer Bros., Chambersburg, Pa.

Our perennials are large field-grown stock. Mosbæk Greenhouse Co., Onarga, Ill.

Dielytra spectabilis, large clumps, $6 per 100. Bobbink & Atkins, Rutherford, N. J.

HELIOTROPES.

Heliotropes, 3 kinds, R. C., $1. Byer Bros., Chambersburg, Pa.

Heliotrope, 4 of the best var. Mosbæk Greenhouse Co., Onarga, Ill.

HYDRANGEAS.

Hydrangeas, Otaksa and Thos. Hogg, 6-in., 3 to 4 flowering stems, $5 per doz.; $40 per 100; 7-in., 5 to 6 flowering stems, $8 per doz.; $75 per 100. Vaughan's Seed Store, Chicago and New York.

Hydrangea American Everblooming (H. arborescens) Hydrangea Otaksa, 6-in., 25c; 7-in., 35c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Hydrangea paniculata grandi., 3 ft., 50c. Vaughan's Seed Store, Chicago and New York.

Hydrangeas. W. & T. Smith Co., Geneva, N. Y.

IVIES.

Ivy, hardy English, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

JERUSALEM CHERRIES.

Jerusalem cherries, 6 and 7-in., full of berries, 35c to 50c each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

LANTANAS.

Lantanas, 10 vars., 2-in., $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

LILACS.

Lilacs, $9 per doz. Bobbink & Atkins, Rutherford, N. J.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LOBELIAS.

Lobelia, Crystal Palace, Gem, 2-in., $2 per 100. R. Vincent, Jr. & Sons, White Marsh, Md.

Lobelias, Caster's double blue, $2 per doz.; $18 per 100. J. Fuller, Leominster, Mass.

MALUS.

Malus floribunda, 2½ ft., $1 each; floribunda sanguinea, 2½ ft., $1; Parkmanni, 2½ ft., $1.25; Scherdechen, 2½ ft., $1. Vaughan's Seed Store, Chicago and New York.

MAGNOLIAS.

Magnolias, Halleana, 2 ft., $2 each; Soulangeana, 4 ft., $1.75 each. Vaughan's Seed Store, Chicago and New York.

MANETTI STOCKS.

Manetti, grafting size, $8 per 1,000; $75 per 10,000; extra size, $10 per 1,000; $90 per 10,000. Jackson & Perkins Co., Newark, N. Y.

MOSS.

Sphagnum moss, 5 barrel bale, $1.25; 2 bales, $2.25; 5 bales, $5; 10 bales, $9.50. H. R. Akers, Chatsworth, N. J.

MUSHROOM SPAWN.

Mushroom spawn, English, per 100 lbs., $6 f. o. b. New York; $6.50 f. o. b. Chicago. Garden City Pure Culture, 100 bricks, $12 f. o. b. Chicago, $12.50 f. o. b. New York. Vaughan's Seed Store, Chicago and New York.

Mushroom spawn. English and pure culture. Weeber & Don, 114 Chambers St., New York.

NURSERY STOCK.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, conifers, hardy ferns, hardy heaths, rhododendrons, hydrangeas. Royal Tottenham Nurseries, Ltd., Dedemsvaart, Holland.

Nursery stock, arbor-vitæ (Thuya occidentalis) 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, trees and shrubs, price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Nursery stock, large trees, oaks, maples, pines, and hemlock. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, fruit and shade trees, shrubs, evergreens. W. & T. Smith Co., Geneva, N. Y.

Viburnum Opulus, $6.50 per doz. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, flowering shrubs. E. Y. Teas, Centerville, Ind.

ORANGES.

Oranges, Kinkan. P. J. Berckmans Co., Augusta, Ga.

Oranges. Anton Schultheis, College Point, N. Y.

ORCHIDS.

Orchids, C. Trianæ, C. Percivaliana, C. speciosissima, C. Gaskelliana, Oncidium Krameriana. Ordonez Bros., Madison, N. J.

Orchids in sheath, bud and flower. Julius Roehrs Co., Rutherford, N. J.

Orchids, C. Trianæ, C. Mossiæ, C. labiata, C. Schroederæ, C. speciosissima, C. citrina, C. intermedia, C. Gaskelliana, C. Dowiana, C. Warneri, Lælia anceps, L. albida, L. majalis, L. autumnalis, Oncidium crispum, O. varicosum, O. Cavendishianum, O. luridum, Epidendrum vitellinum majus, E. Cooperianum, Odonto, citrosmum, Miltonia vexillaria. Carillo & Baldwin, Secaucus, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England. New York office, room 1, 235 Broadway.

Orchids in superb conditon. Cattleya Mossiæ, C. Schroederæ, Lælia anceps, Epidendrum vitellinum, etc. Lager & Hurrell, Summit, N. J.

PALMS.

Palms Kentia Fors. and Bel., 4-in., 18 to 20 ins., 35c each. Bel., 5½ and 6-in., 75c; 5¼ and 5½-in., 50c and 60c. Areca Lutescens, 4-in., 18 to 22 ins., 20c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Latania Borb., seedlings from flats, $2 per 100; 3-in., $6 per 100; 4-in., 3 in pot, $3 per doz. Kentias and phœnix in all sizes. Vaughan's Seed Store, Chicago and N. Y.

Palms, Kentias, all sizes; Latania borbonica, 7-in., 5 to 6 leaves, 18 to 20 ins., 75c each; 8-in., 6 to 7 leaves, 20 to 22 ins., $1.25 each. Storrs & Harrison Co., Painesville, O.

Latania Borbonica, from 2-in. 3 leaves, $3 per 100. The Perennial Gardens Co., Toledo, O.

Palms, kentias, 15 ins. to 15 ft. Bobbink & Atkins, Rutherford, N. J.

Palms. P. J. Berckmans Co., Augusta, Ga.

Palms. L. Van Houtte, Pere, Ghent, Belgium.

PANICUM.

Panicum Var., 2-in., $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

PANSIES.

Pansies, giant flowering, 50c per 100; $2.50 per 1,000. Jos. H. Cunningham, Delaware, O.

PELARGONIUMS.

Pelargoniums. Purity, Countess of Crew, Duke of Cornwall, Galatea, Gloriosa, Lady Carrington and Tommy Todd, $1.50 per doz.; $6 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

PEONIES.

Peonies, Festiva Maxima, $20 per 100; Queen Victoria, $9 per 100; Fragrans, $6 per 100. Gilbert H. Wild, Sarcoxie, Mo.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Free Peony book and nursery price list. Felix & Dykhuis, Boskoop, Holland.

Peonies, all vars. Jacs Smith, Ltd., Naarden, Holland.

Peonies, leading vars. W. & T. Smith Co., Geneva, N. Y.

PRUNUS.

Prunus triloba, 18-in., busby, 75c each; standards, 4 ft., $1.50 each; Georgica, 2½ ft., 75c each. Vaughan's Seed Store, Chicago and New York.

PETUNIAS.

Petunias, double fringed, 2½-in., $2.50 per 100; R. C., $1 per 100. The Krueger Bros. Co., Toledo, O.

Petunias, 2½-in., dbl. fringed, 3 var., $2.50 per 100. Geo. A. Kuhl, Pekin, Ill.

Petunias, dbl., 10 kinds. R. C., $1. Byer Bros., Chambersburg, Pa.

POINSETTIAS.

Poinsettias, good strong stock, $4 per 100. The Krueger Bros. Co., Toledo, O.

PRIMULAS.

Primula obconica grandi., mixed, 2¼-in., $1.50 per 100. The Stover Floral Co., Grandville, Mich.

PRIVET.

Privet, California and Amoor River, 2½ to 3 ft., $25 per 1,000. Peter's Nursery Co., Knoxville, Tenn.

Privet, California. E. Y. Teas, Co., Centerville, Ind.

RHODODENDRONS.

Rhododendrons, 18-in., $9 per doz.; 24-in., $12 per doz. Storrs & Harrison Co., Painesville, O.

Rhododendrons, $9 and $12 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons. W. & T. Smith Co., Geneva, N. Y.

Rhododendrons, Jacs Smits, Naarden, Holland.

If you do not find what you need in our Ready Reference Department, write us about it.

ROSES.

Roses, 2-yr., budded, per doz., $2; $15 per 100; Am. Beauty, La France, Frau K. Druschki, Kaiserin, Soliel d'Or, Hermosa, Paul Neyron, Gruss an Teplitz, 2-yr., budded, $1.50 per doz.; $11 per 100. Anna de Diesbach, Fisher Holmes, Magna Charta, Ball of Snow, Gen. Jacq., M. P. Wilder, Capt, Christy, Mme. Testout, Mrs. J. Laing, U. Brunner, etc. Crimson Rambler, 2-yr., home-grown. $15 per 100; 2-yr., imported, $12 per 100. Dorothy Perkins, 2-yr., home-grown, $12 per 100. Lady Gay, 2-yr., budded, $20 per 100. Philadelphia Rambler, 2-yr., home-grown, $12 per 100. Baby Rambler, 2-yr., extra strong budded, $20 per 100; 2-yr., No. 1, $16 per 100; 1-yr., No. 2, $10 per 100. White Baby Rambler, 2½-in., $10 per 100. Red Kaiserin, 2-yr., dormant, $25 per 100. Vaughan's Seed Store, Chicago and New York.

Roses, Baby Rambler, tree form, pot grown, 50c each; $5 per doz.; bush form, field-grown, $2 per doz.; $15 per 100. C. Soupert, 2-yr., $1.50 per doz.; $12 per 100. Dorothy Perkins, field, 2-yr., 7-8 ft., $3 per doz.; $20 per 100. Hermosa, field, 2-yr., $1.50 per doz.; $12 per 100. Lady Gay, field, 2-yr., $3.50 per doz.; $25 per 100. H. P. roses, per 100, $12; per 1,000, $100; Capt. Christy, Duchess of Edinburgh, Gen. Jacq., Mme. G. Luizet, Mrs. Laing, Perle des Blanches, U. Brunner, C. Touset, Frau K. Druschki, La France, Magna Charta, P. Neyron, Rothschild. Red Kaiserin, 2-yr., field-grown, $25 per 100. Bobbink & Atkins, Rutherford, N. J.

Roses, American Beauty, R. C., $27.50 per 1,000; 2½-in., $6.50 per 100; $60 per 1,000; 3½-in., $80 per 1,000. Maid, Bride, U. John, Richmond, Chatenay, Kaiserin, R. C., $18.50 per 1,000; 2½-in., $4.50 per 100; $40 per 1,000; 3½-in., $60 per 1,000. Mrs. Potter Palmer and Cardinal, 2½-in., $15 per 100; $125 per 1,000; 3½-in., $150 per 1,000. Perle, Sunrise, 2½-in., $5 per 100; $45 per 1,000; Perle, 3½-in., $65 per 1,000. Killarney, R. C., $35 per 1,000; 2½-in., $6 per 100; $55 per 1,000; 3½-in., $75 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, field-grown, Anne de Diesbach, Clio, Frau Karl Druschki, Gen. Jacq., John Hopper, Mme. Luizet, M. P. Wilder, Mrs. J. Laing, Paul Neyron, Prince Camille, U. Brunner, Crimson, white, yellow and Philadelphia Rambler, common sweet briar, Mme. G. Bruant, Wichuraiana. Ellwanger & Barry, Rochester, N. Y.

Roses, rooted cuttings, Bride, Bridesmaid, Ivory, Richmond, Chatenay, Uncle John, $1.50 per 100; $12.50 per 1,000. Sunrise and Kate Moulton, $3 per 100; $25 per 1,000. Perle, $2 per 100; $17.50 per 1,000. Am. Beauty, bench plants, $10 per 100; $75 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Rose Mrs. Jardine, 2½-in., $6 per doz.; $30 per 100; $250 per 1,000; $1,125 per 5,000; grafted on Dickson's manetti stocks, $5 per 100 additional. Robt. Scott & Sons, Sharon Hill, Pa., or Wm. P. Craig, 1305 Filbert St., Philadelphia, Pa.

Roses, strong rooted cuttings, Brides and Maids. $8 per 1,000. Mme. Chatenay and Richmond, $12 per 1,000. Kaiserin Victoria, $14 per 1,000; 2-in. stock, $3 more per 1,000. Gus. Schlegel, 113 S. Main St., Butler, Pa.

American Beauties, rooted cuttings, $3 per 100; $25 per 1,000; 2¼-in., $6 per 100; $50 per 1,000. F. J. Wilcox, Council Bluffs, Iowa.

Rose My Maryland, 2 and 2½-in., $25 per 100; $200 per 1,000; 3-in., $5 per doz. John Cook, 318 N. Charles St., Baltimore, Md.

Roses, Maids, Brides and Golden Gate, 2 and 3 eye R. C., $1.50 per 100; $12 per 1,000. Davis Bros., Morrison, Ill.

Rose. Cardinal, 2½-in. pot plants, $20 per 100; $150 per 1,000. Washington Florists Co., Washington. D. C.

Roses, Tausendschon. 3-in., 10 for $2; $15 per 100; $1.25 per 1,000. Dingee & Conard Co., West Grove, Pa.

Roses, grafted, Bride, Maid, Richmond, Killarney, Kaiserin. Wellesley. Jackson & Perkins Co., Newark. N. Y.

Roses. C. Soupert, C. Rambler, Dorothy Perkins. Marie Pavle. P. J. Berckmans Co., Augusta, Ga.

Roses. 400 best sorts. 2½ and 4-in. Leedle Floral Co. Springfield. O.

Rose Newport Fairy. Julius Roehrs Co., Rutherford. N J.

Roses. J. L. Dillon Bloomsburg. Pa.

Roses. E. G. Hill Co., Richmond, Ind.

Roses. W. & T. Smith Co.. Geneva. N. Y.

Roses. Geo. A. Kuhl. Pekin. Ill.

SALVIAS.

Salvia Zurich, 2-in., $1 per 25; $3 per 100; $25 per 1,000: R. C., $1.75 per 100. J. L. Schiller, 929 Prouty Ave., Toledo, O.

Salvia Bonfire. Splendens. 90c. Byer Bros., Chambersburg. Pa.

Salvia Zurich. R C., $1.75 per 100; 2-in., $3. Perennial Gardens Co., Toledo, O.

Salvias. Mosbæk Greenhouse Co., Onarga, Ill.

SIMLAX.

Smilax, 2½-in., $2.50 per 100; $22 per 1,000; 3-in., $35 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

SEEDS.

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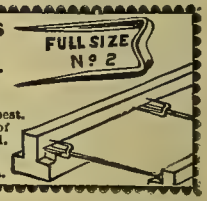

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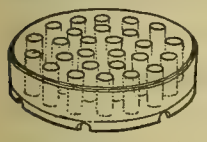

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Tarrytown, N. Y.

The Horticultural Society held its regular monthly meeting in Good Templars hall, January 31. President Angus was in the chair, and there was a large attendance. William W. Weaver was elected to active membership, and one new nomination received. Several communications were read from friends regretting their inability to be present at our last annual dinner, and an invitation was also read from the New Jersey Floricultural Society, requesting members to attend their annual smoker on February 7.

As it was carnation night, and as Treasurer J. T. Lawrie had offered two prizes for the best 18 blooms, three varieties, six of each, a very fine display of flowers was in evidence. First prize was awarded to Samuel Untermeyer (gardener & W. H. Waite), Yonkers, N. Y., with Winsor, Enchantress and White Enchantress. Second prize went to Geo. Legg (John Elliott gardener), Tarrytown, with White Enchantress, Miss H. M. Gould, and Mrs. M. A. Patten.

F. R. Pierson Co. had, for display only, a very fine lot, which was awarded honorable mention. The varieties staged were: White Perfection, Red Chief, Victory, Melody, Beacon, Winsor, Rose Pink Enchantress, White Enchantress, Variegated Lawson.

Honorable mention was given Scott Bros., Elmsdorf Nurseries, for vases of Beacon and Miss H. M. Gould. A cultural certificate was awarded to W. H. Waite for very finely grown spikes of mignonette, May's Giant.

Quite a lengthy discussion on carnations followed, viz.: Cuttings, method of striking, temperature, growing ready for field or indoor culture, benching, etc., all listening with pleasure to the interesting remarks made by Wm. Scott, F. R. Pierson, D. MacFarlane and John Woodcock. The most entertaining feature of the evening was the brief account of visits made by F. R. Pierson to several growers in different parts of the country, also his attendance to the convention of the American Carnation Society at Washington; its great exhibition, banquet and reception, etc. We adjourned at a late hour, and were all delighted and conceded that we had spent a very useful evening.

L. A. M.

Albany, N. Y.

McKinley Day, January 29, caused a considerable demand for carnations. The favorite flower was Lawson which is of a color appropriate for the day as recommended by those who were instrumental in having McKinley Day observed. This city is now an active social center. Many dinners, luncheons and teas are being given by the society people, all of which call for floral decorations.

The Thompson-Easton wedding in St. Peter's church at noon on January 25 was a notable function and was attended by members of representative society people. F. A. Danker had the contract for many of the floral decorations and displayed excellent skill and taste in the the designs and flowers furnished.

Fred Henkes of the firm of Henkes Bros., attended the carnation convention in Washington and came back enthusiastic over what he had seen.

Visitor: James B. McArdle of Vaughan's Seed Store, Chicago and New York. R. D.

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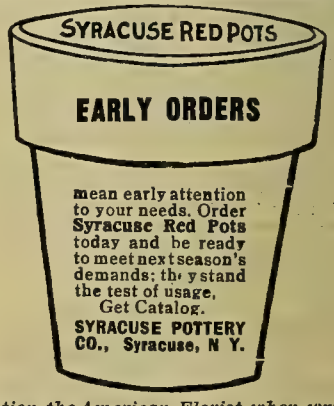

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NOTES.

The annual dinner held by the Gardeners and Florists' Club, January 27, was a success in every way. About 45 members sat down to a richly set table. President J. Pidduck acted as toastmaster. The toast, "Our Country," was given by W. C. Hall, and M. Blair of the McDonald college responded. "The Craft" was responded to by Mr. O'Connel, representing J. A. Simmers, Toronto. James McKenna responded for the florists; George Trussel spoke on behalf of the gardeners. A. Bols spoke for the Montreal Horticultural Society, C. A. Smith for the Lachine Horticultural Society, and John Walsh for the Canadian Horticultural Society. J. C. Eddy responded to the toast, "The Incoming Officers," and J. Luck for the press. Songs were rendered by A. Walker, Glee Deeron, W. J. Wilshire, J. Langford, F. Allan and H. Eddy.

D. Harris, landscape gardener, St. Lambert, lost his pocketbook with valuable contents, on his way to the club dinner.

T. Martel was a week in Quebec attending the Snowshoers' carnival.

Visitor: E. Mepstead, Ottawa, Ont.

LUCK.

SACRAMENTO, CAL.—Plans are being drawn by State Horticultural Commissioner Jeffery for an insectary to be erected on the capitol grounds. This will be used for the purpose of raising insects beneficial to the fruit grower.

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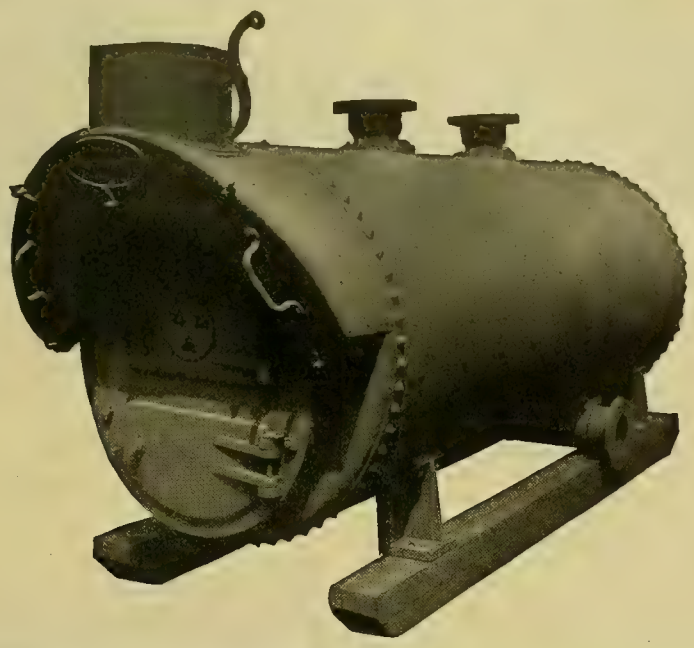

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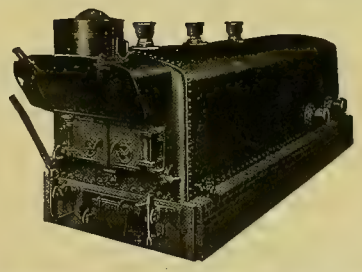

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Neatness in the Houses.

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LAWTON, OKLA.—Wallace Hornaday is incorporating and will add another house to his plant. He has built up a splendid business which he will extend to all the newly opened country to the west and south. He will install natural gas during the coming season.

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Zech & Mann, the interior of whose store we show herewith, are nearing the end of their third year in the wholesale cut flower business, having been established since March 29, 1905. John Zech, one of the partners, is a man who had considerable experience in the business previous to his present connection, having been associated at one time or another with both wholesale growers and commission men. M. H. Mann, the other partner, was one of the first three consignors on the firm's books. Mr. Mann has a range of greenhouses at 3793 North Clark street, Chicago, and has long been known as a successful carnation grower. Harrisii lilies and gladioli are also specialties of Mr. Mann's. Albert Leis, with greenhouses at Niles Center, Ill., was another of this firm's earliest consignors. Formerly Mr. Leis grew both carnations and roses, but of late has discarded carnations and grows roses only. Several growers of roses, carnations and bulbous flowers have been added since and the business has had a steady growth.

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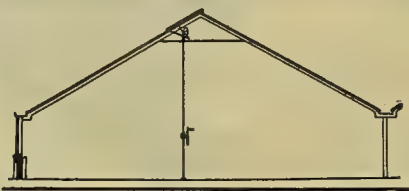

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Vol. XXX. CHICAGO AND NEW YORK, FEBRUARY 15, 1908. No. 1028

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—FRANK H. TRAENDLY, New York, Pres.; W. N. RUDD, Morgan Park, Ill., Secy.; H. B. BEATTY, Pittsburg, Pa., Treas. Next meeting at Niagara Falls, N. Y., August, 1908.

THE NATIONAL FLOWER SHOW.

CHICAGO, November 6-15, 1908.

Wm. F. Kasting, Buffalo, N. Y., is chairman of the general committee in charge. Chairmen of sub-committees follow:

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The above chairmen have power to select their various committees from the general committee of 50 or the members of the S. A. F. at large.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition at Chicago, March 25-27, 1908. ROBT. SIMPSON, Clifton, N. J., president; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., secretary.

Alfred Austin on the Rose.

What is there that the rose cannot and will not do? It will cover the palaces of kings, and just as gladly embroider the porches of the lowly. It is as happy in the untrimmed hedge as in the well-ordered garden. It can look after itself, and needs no more help than the cloud or the wave. Yet it tolerates interference with no loss of temper and with its habitual smile. The rose is queen, but is a country maid likewise. It belongs to no class, but is at home with all. Of all love gifts it is the most expensive and seductive. Roses welcome our birth, are sponsors at the baptismal font, bridesmaids at our nuptials, mourners and white-robed petitioners to heaven at our interment.

SUGGESTIONS FOR FLORISTS.

Ventilation in Rose Houses.

Those who have much glass devoted to roses must often wish that automatic ventilators were more perfect in their action. They are doubtless a great aid in large plants, especially while the morning cut is in progress as it means a lot of running to and fro saved when they work properly. Unfortunately the majority of users have not found them perfect and it is better to have no automatic arrangement than one that won't work. Anyway the ventilation in early morning must be carefully attended to if a suitable atmosphere is to be kept up. When the sun shines upon a house kept closed, with the night air unchanged, the temperature rises much too rapidly unless ventilation is provided early, while if too much air is admitted the cold beats down on the plants and chills them. A natural and gradual rise must be aimed at by opening the vents slightly as soon as the sun reaches the house, increasing this as the temperature rises a few degrees. And in the afternoon the same gradual decline should be the aim of the grower. Then the plants dry off gradually and the foliage is kept hard and in good condition. Take care of the ventilating; it pays.

Violets.

With the increasing light, violets will make a stronger growth and more leaves will be produced. The strong growing, single flowered sorts especially become overcrowded if left to themselves and the shoots that push up from the base must be thinned or the plants will become a mass of leaves. Few flowers are produced in this case and the few are often of poor quality. The double flowering varieties such as Marie Louise keep in better shape but even here there may be a few shoots to come away. If at all short of stock these shoots may be rooted in a light, cool house in the sand and will make good stock. The plants should be frequently picked over, removing all decayed and spotted leaves. Stir a little bonemeal into the surface soil and a week later a little soot and lime or nitrate of soda. Either will help the foliage in color and increase the size of flower. Give full air all day as long as the weather keeps bright.

Primula Obconica.

The young plants for Easter decoration should be in their flowering pots by now, but if there are still some to have attention give them it without delay. These plants dislike large shifts or excesses in any way. Plants in 2½-inch pots may go into 4-inch and larger sizes have a similar shift. See that the soil is in a moderately moist condition and water carefully after potting. A tidy potter should do the work as nothing looks worse than plants leaning over or with the soil all over the leaves, while the crowns must not be too deeply buried on the one hand or left swinging on the other. Stand them level on an ash covered bench, sprinkling a little soot along the bench first. Keep the atmosphere moderately moist and spray the plants lightly every day when fine. Sow seed now for plants to come in during November and up to Christmas when they are very useful in connection with cyclamens. It is too early to sow for Easter of next year, the end of May being soon enough for this. The plant is so useful and free flowering that several sowings should be made to keep up a constant supply of flowers and plants.

Smilax.

Keep up as moist an atmosphere as the weather conditions will allow, in the house devoted to smilax, but avoid a heavy, damp and cold feeling. All plants cut over may be dried a little before being again started. After about two weeks of the drying treatment prick up the surface lightly, mulch with half decayed manure and give a thorough soaking of water. If the plants are strong, string them at once but if not allow them to spread a little first, cut the loose tangled stems away and let them go. Beds planted with young seedlings should also be allowed to make a little growth on the benches before stringing. If the strings are put to the plants too early the finished sprays will be thin and badly furnished. A little nitrate of soda is an excellent stimulant to plants that for any reason are slow in starting. It must not, how-

ever, be overdone, and must be supplemented later by a good concentrated fertilizer. Soot water is an excellent stimulant and has a good effect upon the color of the foliage.

Dendrobiums.

Though the rough pruning the plants get by cutting the growth away with the flowers does little harm to such species as D. Wardianum, D. nobile and others of the deciduous section it constitutes a very severe check to D. formosum, D. Jamesianum, D. infundibulum and others of the black haired, white flowering group. This check necessitates careful treatment afterwards and the best place for the plants is in a hot, moist and very light house where ammonia fumes are present. These can be provided by damping all available spots with liquid manure and by sprinkling soot and lime under the stages. None of these dendrobes like much room in the pots or pans and should, when newly imported, be squeezed in as tightly as possible. D. Wardianum, treated this way and hung up in a warm moist house will make growths a yard long in a season and two-thirds of the length of this growth will be covered with the beautiful flowers. D. nobile is not so impatient of root room as most others, its roots taking more freely to peat and moss and even a little well decayed cow manure or bones. This species may be easily propagated now by laying shoots that have flowered but are not shrivelled upon boxes or pans of moss. Keep these constantly moist and in a few weeks every node at the upper end will break into growth, and when these commence rooting they may be potted separately or several together, making nice plants by the end of the season.

THE ROSE.

OWNROOT roses of some varieties do as well as those grafted on the manetti, but those who look for a good growth of Richmond early should use grafted plants. The ownroot plants take much longer to take hold than do grafted ones, and this is true of other varieties. More than one variety of modern introduction to the growing plants would have had but a short life there had ownroot plants only been used.

ROSE KATE MOULTON.—One of the principal attractions of this undoubtedly fine rose is the grand foliage. We recently noted a bench of it in one of the large Chicago plants and were surprised at the fine appearance of the leaves. But the flowers too are excellent and though one is naturally unwilling to praise a new variety too highly until it has stood the test of time and seasons, Kate Moulton does not seem to have a bad point. Old growers and section men of experience praise it highly and it is without doubt one of the best pink roses of recent introduction.

Random Notes on Roses.

LARGE VS. SMALL HOUSES.

One of the most experienced rose growers in the vicinity of Chicago, in conversation with the writer recently, gave it as his opinion that the large houses that are used at present are not as satisfactory as the older, smaller style of house. This man is not a crank or a back number, but has charge of one of the finest ranges of glass in America and knows what he is talking about. In the first place he objects to the low, solid benches. When benches three feet or more high were in vogue the roots were kept up where there was an excellent circulation of warm buoyant air all around them. Whatever the ultimate result to the plants may be, there is no question but that young plants start away much quicker on such benches, while they are also more easily kept moving in winter. In a large growing establishment north of Chicago where Sunset had been grown for many years with success on the old-fashioned benches, some new houses of great height and with low, solid beds were built. Sunset was planted on these, but was a rank failure, though the same grower was in charge.

Some old houses wherein American Beauty never failed were torn down to make room for more modern structures where the same class of beds were used. The same system exactly was carried out; temperatures and soil conditions were identical, but the flowers are not as good now as from the old benches and fewer long stemmed blooms of No. 1 quality are produced pro rata with the bench space. I am not recommending small houses and have no reason to decry large ones, having seen grand crops of American Beauty and other roses grown in such structures and personally handled plants of all the popular varieties in each. If practical growers who have had experience with the two classes of house would send particulars of this to THE AMERICAN FLORIST, stating the conclusions they have come to and the reason, it would prove of great value to those who are undecided on this very important point.

CARNATION HARVARD.

Raised by J. D. Cockcroft, Northport, N. Y.

MME. CHATENAY.

It has been freely remarked that Mme. Chatenay is on the slide. Possibly it is, but there are many good points about this rose not possessed by the majority of varieties and before consigning it to the dump pile, either actually or in thought, growers should consider these. Have we a pink rose that, taking the season through, is as easily grown, winter and summer, as free from disease or insect pests, that thrives as well either on the manetti or its own roots, or comes into flower as quickly and produces as good flowers from small and weak plants? If so, what is it? Bridesmaid, of course, comes to mind immediately. But in summer Mme. Chatenay makes a cleaner growth, is not liable to mildew and keeps its color better. Killarney is a grand rose, but Mme. Chatenay planted at the same time will produce good flowers long before it and is usually of better substance in summer. Slightly shaded, the growth stands the hottest weather, while the roots are strong and get along well in any kind of soil. We may have to throw it out, but at least we intend to be sure that we have something as good all around before doing so.

FIRM PLANTING.

Firm planting has more to do with the health of young rose plants than some growers are aware. It is too much the custom to plant loosely "to give the plants a start." Provided careful watering is practised afterwards there is no advantage in loose planting, but where the watering is left to careless or unskilful help then plants in a loose soil are not so likely to suffer as are those planted firmly. The plan of setting the plants loosely and then going over the beds after a certain amount of growth has been made and treading them is not

good. Many young roots are injured and there is no reason why the firming should not be done in the first place. Then the growth from the beginning is solid and strong; it does not give way under the sun and when cut back produces fine, strong breaks that do something. The surface soil need not be very firm. Let the roots be in a solid soil and leave the surface loose for a time.

Loose soil on the top of a bench is the best indication as to how that bench is for water, and an experienced hand can tell to a plant how far the bench has to be moistened. Set firmly, leave the soil in a slight depression around each plant and keep the surface loose; then water with care, each plant individually, and there need be no fear as to results. R.

Rose Notes in Season.

During zero weather the stock is affected in a certain degree by the extreme outside cold, even if the proper temperature is maintained indoors. There is a noticable check at this time, not necessarily detrimental as it is only in the natural order of things. However, in order to keep the temperature say at 58° for the roses, the atmosphere in the houses is almost in a condition to do some damage to the plants owing to the fact that the purity has been greatly impaired by excessive heating. If the sash are raised for only a short while during the day several times, almost to their fullest extent, closing them immediately, the atmospheric conditions will be wonderfully improved. Keeping the walks dampened during continuous cold, cloudy weather, when syringing cannot be done, is quite essential also. Again if the temperature is run a little below normal day and night during the coldest of days, say 54° at night to 64° cloudy weather and 70° to 72° during the bright days with as much air as possible, this will lessen the artificial heat or over-forcing, and better the growing condition. The cut will be a little short for several days, but to preserve future cutting of good stock, the sacrifice is not worth mentioning.

Propagate now. The coal has to be used, so put them in and get as much of this work done as possible. Cuttings of the best can now be had and this will make the best of stock, and save some work in potting. The plants struck between February 15, and March 18, will seldom require shifting before planting into anything larger than a 3½-inch pot. The propagating house will have to be carefully shaded now that the sun is much stronger or the extra strong cuttings procurable at this season will wilt very quickly, and the wood taken off should be sprinkled thoroughly and made up in a cool place, care being taken not to have too much taken off at a time. Tie the old plants thoroughly now; more time can be spared than a little later. If the plants need mulching do not put it on too heavy; just a light covering of well rotted cow manure, until the plants can be given plenty of air and water. American Beauty being an exceptionally strong feeder can be mulched heavier, and, if fresh manure is used, it should be covered with a thin layer of soil to avoid spotting caused by the decomposition of the manure. Do not put too much dependence in the mulch, but continue with liquid manure if the plants show want of feeding after mulching. E.

THE CARNATION.

Cultural Methods for Carnations.

BY IRVING GINGRICH.

The subject of this paper is really one that should have been assigned to a grower of long and wide experience, as the writer feels that he is just beginning to learn something concerning the culture of carnations, his experience dating back only eight years; but during this time mistakes have been made that he has profited by and if he can say something that will be of benefit to but one out of ten of the growers here assembled he will feel well repaid for the effort. The writer will also endeavor to confine himself very closely to his subject as any slight digression will make the paper entirely too long.

Beginning with the propagation of the carnation we may say that in this country the commercial grower has but one method, by cuttings. The specialist makes use of seed propagation to secure new varieties but we will not discuss this method as the average grower cannot devote the time and attention absolutely necessary to success in this special field.

There exists a marked difference of opinion as to where and how to take a cutting and this subject received considerable attention at our Toronto meeting. There are, however, many present at this meeting who were not fortunate enough to be present at Toronto. At that meeting a discussion was raised as to what constitutes a top cutting, some being of the opinion that is was one taken rather high up on a flowering stem and others maintaining that it was the top taken out of one of the bottom shoots which would ultimately have become a flowering stem itself. The writer's own experience, supported by actual experiment, is that neither is an ideal cutting. The former soon sends forth a bud which, if removed, will send up four or five weaker buds, and if these are stopped or pinched back the plant is gone; the latter sends up a rank growth which on stopping several times as the growths are ripe for the operation, produces a heavy but rather slow growing plant with plenty of foliage and few flowers. These statements must be made with some reservation as the writer has not had much experience with different soils and these exert a marked influence on the growth of the plant.

SOILS.

A heavy, rich soil might produce a fairly good plant from a top side shoot cutting whereas a light, quick, sandy soil might have the same effect on the other. Our soil being a medium chocolate loam with considerable silt in its composition and not over rich, we much prefer a side cutting on a flowering shoot taken at one joint above and one joint below the usual point of cutting the flower. Cutting off the flower therefore requires some discretion as some varieties develop the cutting before the bud matures and some varieties do not develop the cutting until after the flower has been removed.

With us, January and February are the best months in which to take cuttings, though there are others who prefer March struck cuttings on account of the rapid growth made in their particular soil. Such slow growing varieties as Prosperity need to be taken in December to make profitable plants. It matters but little whether the cutting is taken with a heel or not. If taken with a heel it is grasped firmly between the thumb and forefinger and severed from the stem with an upward and outward movement. This takes the leaf and part of the wood of the flowering stem with the cutting. The old wood is then cut off an eighth or sixteenth of an inch from the end of the shoot and the cutting is ready for insertion in the sand. In March or later it is well to clip off the ends of the leaves to reduce the transpiration or loss of moisture. Cuttings not taken with a heel and cut off at the base to any extent should be cut slightly below a joint so that when the lower leaves are pulled off backwards they strip off the outer bark leaving the inner cambium tissue adhering to the wood. It is on this tissue that the roots form. Whatever may be the method of taking and trimming the cutting the most important thing is its treatment after reaching the sand. After trimming, the cuttings are given a drink by soaking for a half to one hour in fresh water to thoroughly fill the tissues and prepare them for the ordeal to come.

CARNATION FAUST.
Raised by J. D. Cockcroft, Northport, N. Y.

PROPAGATING.

The best propagating bench is six inches deep with a layer of brick on the bottom to distribute the heat and moisture evenly and filled up with clean sharp sand. This is wet down and packed hard with a brick. Then wet again slightly, cut a crack in the sand with an old putty knife and straight edge. The rows can be two inches apart and three-quarters of an inch in the row or three inches apart and one-half inch in the row. The cuttings should not extend more than one-half inch below the surface of the sand. After the cuttings are in, water with a sprinkling can or with the hose if you have it fitted with a sprinkler head. Syringe lightly for several mornings, then gradually let the sand dry out, always being careful, however, that the foliage is not allowed to wilt. During this period the cuttings are very impatient of drafts, and ventilation must be very carefully looked after, as a trifle too much air may result in the loss of an entire crop of cuttings when all other details have been faithfully carried out. Direct sunlight should not be allowed on the cutting bench at least until the cuttings show signs of rooting after which anything but midday sun will prove beneficial. The propagating house should be 45° to 50° at night with 60° in the sand. Some prefer to have no bottom heat but we have had no success without it.

In three or four weeks the cuttings will be ready for planting out, and, for speed and good results generally, we always plant direct to a bench in three inches of soil that is somewhat spent. If such soil is not available mix enough sand with it so it will not be too rich, as a rich soil will cause considerable damping off. If so desired, they can be potted in 2½-inch pots, using a heavy loam lightened with well decomposed leaf mould. They can be planted into the field without a shift and this ball of soil will remain intact when lifting time comes. December struck cuttings planted direct into a bench, four inches apart each way, and January struck cuttings three and one-half inches each way can be planted in without field culture by June 1. But by all means plant out into the field all cuttings coming from the propagating bench later than the middle of February. If you can have your bench for young stock arranged to give a gentle bottom heat for a few weeks after coming from the cutting bench the plants will show grateful appreciation. This is not necessary but it is desirable.

During this period weeding and stopping should be carefully attended to. We make it a rule to go over the young stock once a week regularly and then stop or cut back only those plants that are really ready for the operation. When a plant is ready for stopping it will be brittle and can be snapped off very readily and this method cannot be too strongly advocated since the knife will carry disease from one plant to another. At this stage the plants are very tender and disease is most easily transmitted.

PLANTING.

About May 1, the young stock is ready for the field. Benched plants can be taken up with a trowel with a good ball of earth slightly pressed together to keep it intact. Place in flats and take to the field. Let one man or boy distribute the plants about where they ought to go in and another follow with the trowel with which he makes the hole with a single stroke, inserts the plant and presses firmly into place without dropping the tool. The rows should be 16 to 18 inches apart and from eight to ten inches in the row. Weather conditions at this time of the year are uncertain and the work should be so planned as to get as many plants as possible out before a rain. In sandy soil without a bottom and in dry seasons a Wittbold or Skinner watering system is very beneficial in the field. Neither is expensive to install and the benefits are out of all proportion to the cost of installation.

After the plants in the field become well established, stopping should begin again and continue weekly to within a week or 10 days of lifting time. Use a hand wheel cultivator freely to keep the weeds in check and mulch the soil to conserve the moisture. If artificial watering has been resorted to, cease the operation long enough before lifting begins to ripen the growth. In our locality, lifting begins from July 15, to August 1, according to the quantity of plants to be benched. At this time have a convenient number of crates 18 inches wide and three to four feet long prepared and spread the bottoms with one or two inches of wet moss to keep the roots moist until planted. Two men with spades dig on both sides of the plant simultaneously and lift. A third shakes off the soil, inserts the roots in a bucket of water and places them in the crates with roots standing on the moss.

When the plants are lifted from the crates the roots are shaken out so they will spread and a man on either side of the bench does the planting by making a hole with the hand or trowel, spreading the roots out evenly, bringing the loose soil around the roots, jumping the plant up and down gently to distribute the soil particles among the roots and then firmly pressing in, leaving a shallow depression around the plant to receive the first few waterings. The plants should not under any circumstances be set lower in the bench than they were in the field. This will save many a loss by stem-rot. Care should also be taken to have the smallest plants on the south side of the bench and the largest in the center or north of the center of the bench. By winter you will be able to distinguish but little difference in the size of the plants. During the planting the glass should be heavily shaded with a clay wash squirted on the glass with a syringe to cool the houses and prevent wilting.

Petunia The Queen.

And now, let us take up a matter that has been omitted, the soil for the bench. If the top soil can be secured from a pasture where the soil is loamy and, to the feeling, velvety, this is an ideal carnation soil. We do not mean to say that carnations cannot be grown on any other kind for the writer has seen most excellent results secured from widely divergent textures of soil. We merely mean that the soil mentioned requires the least skill to get good results. When the soil is secured remove four or five inches of turf, place in piles grass side down with one-fourth good cow manure during the fall preceding the time wanted. Chop down and work over several times during the winter and spring, add a 4-inch pot of air-slaked lime to one barrow of soil, run through a coarse mixer and it is ready for use. If this is impracticable, take any good loam that contains no decaying vegetation, work it over several times to germinate and kill the weed seeds it contains and wheel on the benches after spreading one and a half inches of well decomposed manure on the bench bottoms. Add the lime as with the compost.

Resuming the treatment of the plants, syringe lightly several times a day and, as the plants take hold of the soil, gradually remove the shade. From now on, water the entire bench and after the weeds have been thoroughly disposed of, a mulch of spent manure mixed with light soil will be beneficial in retaining the moisture. Syringe once a week on bright days throughout the season to keep down red spider. Fumigations of nicotine products every two weeks will keep aphis in check.

If the soil has been well enriched, further feeding will be unnecessary until the first crop of flowers has been harvested. Then, after a week or two of rest, a light mulch of sheep manure with one-tenth part of dried blood added to give a generous surplus of nitrogen may be given to hustle the growth along. This may be followed two to three weeks later by a dressing of wood ashes to ripen the growth. After another

LYCASTE SKINNERI.

interval a dressing of bone meal will materially assist the development of the second crop of buds. This rotation may be continued to the end of the season by increasing the quantity according to the growth of the plants. Towards spring a mulch of rotted cow manure may be added. Among the commercial fertilizers as good a combination as we have yet found is 500 pounds of bone meal, 200 pounds muriate of potash, 100 pounds nitrate of soda, the latter two well pulverized and the whole well mixed and applied at three week intervals at the rate of a handful to two rows half way across the bench. In conclusion let me say that this is far from being an exhaustive treatment of the subject. It would be impossible to give one within the limits of such a paper. Every grower will find it necessary to adapt his cultural methods to his local conditions and these he can only find out by actual experience.

ORCHID NOTES.

Lycastes.

The accompanying illustration is of a neat specimen plant of Lycaste Skinneri, one of the most useful and easily grown of cool orchids. The plant is one of a shipment from Guatemala received by I. M. Roman, gardener to Geo. A. Joslyn, of Omaha, Neb., and was bearing nine flowers, each from four to five and one-half inches across. L. Skinneri, in its several varieties, is the finest species in this rather large genus and its large, brilliantly colored flowers are fine for cutting or for a display on the plants. They also last remarkably well owing to the good substance of the petals. The outer segments are a rosy white in the typical form, the markings on the lip varying in intensity, but usually a showy deep crimson. The most striking variety of this species is the albino, L. S. alba, having pure white outer segments and only a yellow stain on the lip.

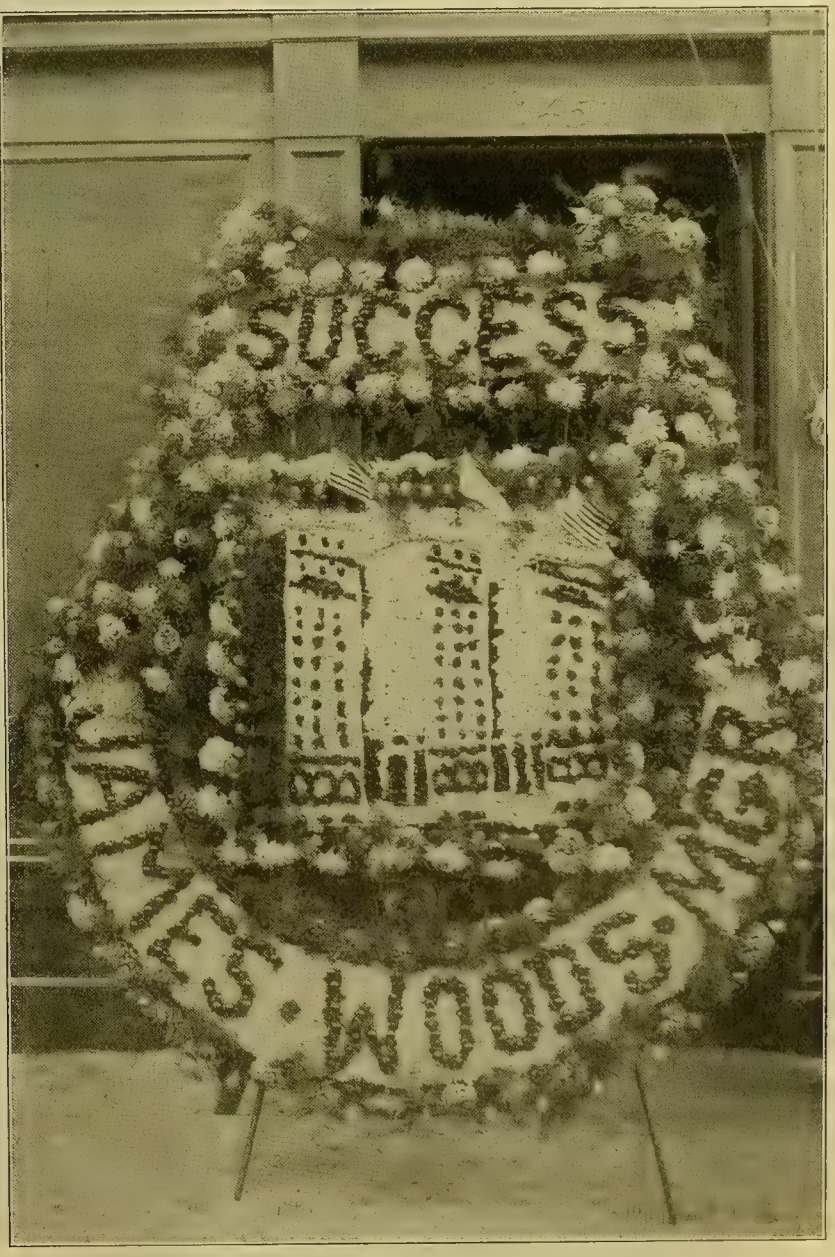
L. Skinneri is fairly widely distributed in a geographical sense, but always found where the temperature keeps moderate the whole year around and where day and night are more nearly equal than in northern latitudes. This suggests a constantly cool and moist temperature, shade from bright sun during our American summers and all the light it is possible to obtain in winter. A safe minimum night temperature is 50° in winter. In summer it is not always possible to get as low as this, but if plenty of air is left on and the atmosphere of the house kept moist the plants will thrive well. A great aid in keeping up the proper kind of atmosphere in the cool orchid house is light spraying over the head of the plants. But this must not be overdone and should be omitted entirely when the atmosphere outside is moist and during dull weather. A plentiful circulation of air at all times is necessary, as no orchid will continue long in health in a stuffy, close house.

The roots of lycastes are not so sensitive as are those of cattleyas, phalænopsis and other pure epiphytes. In form and texture they resemble more the roots of ordinary plants and, consequently, when making up the compost for them this may be made fairly substantial. The best lycastes we ever grew were potted in shallow pans, more than half filled with drainage, the compost consisting of good fibry loam two parts, one part of leaf mould and half a part each of sphagnum moss and fibry peat. In potting, plenty of broken crocks were thrown in to ensure thorough æration and allow the moisture to reach every part of the compost equally. Weak plants are usually elevated a little above the rims of the pots, but this is hardly necessary for strong specimens. During the time growth is active a very free supply of water is needed at the roots, and at no time ought they to be really dry for any length of time, as is practiced with deciduous species like dendrobiums or calanthes. A fairly equable condition, in fact, all the year around, is what the plants like, and given these few simple details these fine orchids are as easily grown as most greenhouse plants.

The genus contains many other species more or less useful and beautiful. One of the commonest is L. aromatica, a very free flowering kind, with bright yellow, heavily scented flowers. A plant of this, with dozens of its pretty flowers around the small yellowish bulbs, looks all flower. A similar kind, L. cruenta, can hardly be distinguished from L. aromatica, except that its flowers are not sweet-scented and have a crimson stain on the lip. Another well known old kind is L. Deppei, with pale colored flowers, in one variety heavily spotted. L. plana, L. lanipes and others are free flowering, beautiful plants, more or less useful for cutting. All of them thrive under the conditions noted for L. Skinneri. R.

San Francisco Design.

The electrical floral horseshoe, shown in this issue, was designed and executed by "The California Florist," Julius Eppstein, 1451 Eddy street, San Francisco, for the reopening of the St. Francis hotel, Nov. 30, 1907. The size of the horseshoe was 11 feet high by 6 feet wide, containing 600 miniature electric lamps. The cost was $350. The piece was presented by the hotel employes to the manager.



MAMMOTH ELECTRICAL FLORAL DESIGN.
Shown in San Francisco; 600 Lights Used.

Notes for the Retailer.

PLANT STANDS.

For decorative work plant stands of various heights are of great assistance. The little room that one often has to make a display in renders the use of boxes and unsightly impedimenta of this kind awkward while there is great difficulty in hiding these with foliage or flowering plants. There are several useful stands on the market and they may be used, not only in decorative work at customers' homes, but also in the store windows. They save their cost in a short time and are practically indestructible and very lasting.

DESIGN WORK.

When designs of various kinds are carried out in one variety of flowers there is often a lack of distinct outline that detracts from the finished effect. Crowns, emblems of societies and similar devices are often called for; frequently the customer will state the flower that is to be used in the make-up. In such cases always have the outline of the design carefully picked out in some flower that contrasts well with the body of the design. Violets are excellent as an outline to funeral designs, while holiday designs may well be picked out with small red carnations. There are many other combinations that will occur to those having the work in hand but the chief point is that the outline must be good and in sharp contrast to that of the body of the design.

SUCH a factor in the retail trade has the florist's shop become that the National Cash Register Co., in exploiting miniature shops in their big Chicago show windows, illustrate one with refrigerator and like fixtures.

Novel Window Arrangement.

A GREEN window recently noted was very effective. The scheme was carried out with hangings of smilax and asparagus. Green plush or velvet was tied around a mirror in the back of the window with ribbon of the same shade. The bottom was covered with moss and sprays of English ivy, fine specimen cibotiums and various sizes and varieties of nephrolepis being introduced. The electric globes were covered with green shades and only one color flowers were used, these being changed daily.

Wm. P. Craig.

Store Help.

ED. AMERICAN FLORIST:—

What number of persons is necessary for a store that averages receipts of $250 per day in a general retail down town district, comprising all the trade and the demand for help that an ordinary retail floral concern should have?

A. E.

Replying to "A. E." regarding number of help necessary for a store doing a business of $250 per day on an average, I would say from experience that it requires first of all a good capable manager who should do little else than to see that stock is kept in good shape, window display kept attractive, orders going out promptly and all other matters too numerous to mention, three or four good sales people, two ladies and two men preferably, are needed also. A first class designer and decorator and a helper, who would do a porters' work, or a regular porter if the store room was large. Also a bookkeeper and a stenographer. For delivery work one driver might do, but I should say two and also two boys. For holiday trade extra sales people and extra delivery men would be needed, and I would add that the very best help obtainable is absolutely necessary to increase trade and also to hold it, as I believe that the florist's trade depends more upon the ability of the help than any other trade.

O. J. OLSON.

HOOPESTON, ILL.—Peterson & Lawrence will succeed Andrew Peterson April 1. They will add the coming summer three houses, each 20x250 feet, for carnations.

OSHKOSH, WIS. — The Horticultural Association has postponed its February meeting and there will be no session until March.

FIELD OF HYBRID SEEDLING LILIES BLOOMING TWELVE MONTHS AFTER PLANTING.

Many Flowers Had Been Cut.

To be Done Now.

IN THE GREENHOUSES.

Keep Gladiolus Colvillei alba cool and make no attempt to force it.

Adiantum scutum is a very suitable species to grow for cutting from, especially the variety roseum.

Get the cannas bedded out on a bench for propagating, cutting into large or small divisions as necessary.

Allow tuberous rooted begonias to come in in a moderate temperature; they dislike much heat.

Soot water is an excellent aid to cinerarias when they have filled their pots with roots, and soft water, when it can be obtained, is the best to use either for these or herbaceous calceolarias.

Lachenalia Nelsoni makes an elegant basket plant; it is one of the best colored varieties.

Avoid overwatering Asparagus plumosus until well established.

Pick over the Easter lilies and place those best rooted together so they can be safely watered.

See that no frost reaches the house where azaleas are being kept back for Easter.

IN THE STORE.

Small plants of Cocos Weddelliana are very useful for dotting on large wreaths.

Grevillea robusta stands well as a house or table plant and may be recommended to customers.

Easter lilies and callas are quite out of place in small wreaths, but are excellent in large, bold designs.

Asparagus Sprengeri stands out better, from solid wreaths of carnations, than any other green.

Selling old or half wilted stock at low prices is not conducive to successful business.

Regular orders of the wholesaler will ensure his taking care of rush orders when necessary.

OUTDOORS.

Large beds of roses have a far finer effect than a few plants scattered about promiscuously.

In bad weather get all tools put in order, prepare stakes and labels and repair flats.

A thick coat of manure against the sides of a shed or house serves to keep out severe frost.

Mrs. J. Laing is one of the best hybrid perpetual roses to plant for late and continuous flowering.

In handling Azalea mollis be very careful not to break off the prominent flower buds.

A covering of straw manure helps to forward clumps of rhubarb that are not to be forced.

A few roots of Funkia variegata dug up in mild weather and potted are useful for forwarding in the greenhouse later.

All sand, grit and other lightening substances that are not required should be spread on the soil where it is of a heavy adhesive nature and dug or plowed in when this is prepared.

Have plenty of protective material ready for use when the herbaceous plants begin to grow.

Half leaves and half manure hold their heat longer and steadier in hotbeds than all manure.

QUERIES.

Carnations Splitting.

ED. AMERICAN FLORIST:—

My Enchantress are looking splendid but about 70 per cent are splitting. The foliage of the splits does not look as healthy as the others. Will you kindly advise me any special reason for such a large percentage of splits. W. E.

Overfeeding at this stage is a frequent cause of splitting of the calyces, but as you give no details of your culture we cannot say this is the cause. Write again giving these particulars and we will endeavor to help you further.

Nicoticide for Carnations.

ED. AMERICAN FLORIST:—

Will nicoticide sprayed on carnations keep red spider in check? If so, what strength should the solution be used at? We cannot syringe, as the carnations are planted too thickly and they do not dry off at night. C. W.

The time is at hand when the plants can be safely and thoroughly syringed on bright days almost anywhere, providing ample ventilation is given. This is much the best way to keep down red spider. We have used nicoticide with good effect on badly affected plants, adding just about enough of nicoticide to faintly color the water, but, before using this mixture to any great extent, I would advise experimenting on a small scale and note the effects. Also try a weak solution of salt and water, putting in enough salt to make the water taste of it. We use this in preference to the nicoticide, where the syringing with the hose will not keep the pest in check.

C. W. JOHNSON.

Carnations Going Sleepy.

ED. AMERICAN FLORIST:—

What is the cause of Boston Market, Prosperity and Enchantress carnations going sleepy on the plants? The temperature is 52° to 54° at night; bright days 70°; cloudy days 60° to 66.°

C. W.

The temperature that these carnations have been subjected to is altogether too high and is the cause of their going to sleep on the plants. The right temperature for the varieties mentioned to do their best is 48° to 52° at night; cloudy days 56° to 60° with a crack of ventilation on, and on bright days the steam should be taken off when the temperature of the house reaches 56°; after that the temperature should be governed by the ventilators. With plenty of ventilation on and not any artificial heat a temperature of 66° to 70° will suit them nicely.

C. W. JOHNSON.

Manure for Carnations.

ED. AMERICAN FLORIST:—

What proportion of water should be used with superphoshate of lime for carnations? E. W.

Superphosphate of lime is only another name for acid phosphate, or dissolved rock, being ground phosphatic rock, treated with sulphuric acid. It has an opposite effect on neutralizing acids in soil from carbon of lime (common burned limestone). Excellent results have been obtained with the following fertilizer: Dried blood 3½ pounds. Sulphate of potash one pound. Dissolved S. C. Rock 1½ pounds. Apply to 100 square feet of bed surface. Good growers do not advocate the superphosphate of lime and water treatment. E.

Treatment of Hyacinths.

ED. AMERICAN FLORIST:—

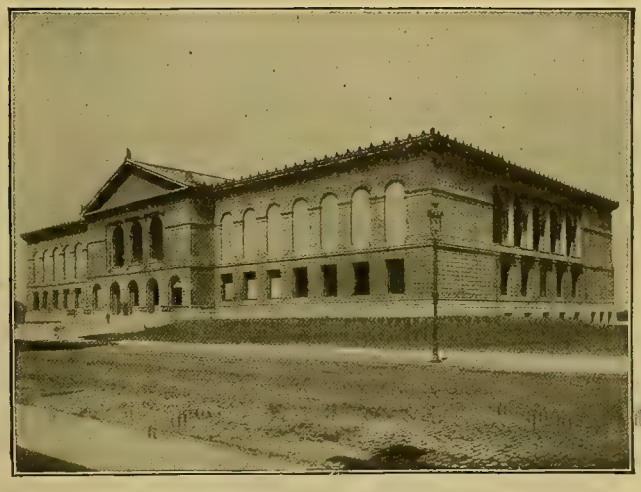
Can you give me some treatment for hyacinths that were potted December 26 and put in a cellar, where the temperature gets about 35° above zero; the bulbs are starting to make some top growth now. What would you advise to do with them to have good flowers for Easter? They are in 3-inch pots.

READER.

I would advise shifting the hyacinths to 4-inch pots. Put them outside, cover with four inches of soil and spread manure over to keep them from freezing. They are probably not started enough to be hurt by putting them outside. Bring them in 20 days before Easter in order to have them right. W.

The Coming Rose Show.

Chicago.—On Monday afternoon the Florists' Club committee of arrangements for the rose show met with Secretary Carpenter at the Art Institute and concluded arrangements for the use of Blackstone hall in that building for the show, opening 5 p. m. March 25, and continuing March 26-27, day and evening, with the privilege of making such admission charge as will probably meet requirements for the local expenses, giving free admission, however, to the members of the Chicago Horticultural Society and Chcago Florists' Club. There were present August Poehlmann, Leonard Kill, Geo. Asmus, J. Burdette, J. C. Vaughan and T. E. Waters. The Art Institute with its large and high class membership, its convenient location and general public interest in matters there, insures the best possible arrangements that could be made for the show in the city. Special premiums offered by local firms were reported by Chairman Poehlmann as now approximating $600.



THE CHICAGO ART INSTITUTE.

Where the Coming Exhibition of the American Rose Society Will Be Held.

THE AMERICAN FLORIST

TWENTY-THIRD YEAR.

Subscription, United States and Mexico, $1.00 a year; Canada, $2.00; Europe and Countries in Postal Union, $2.50. Subscriptions accepted only from those in the trade.

Advertisements, on all except cover pages, 10 Cents a Line Agate, $1.00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed **only on consecutive insertions**, as follows—6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times 30 per cent.

Space on front pages and back cover page sold only on yearly contract at $1.00 per inch, net.

The AMERICAN FLORIST Advertising Department is for florists, seedsmen and nurserymen and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Monday to secure insertion in the issue of the same week.

When sending us change of address always send the old address at the same time

We do not assume any responsibility for the opinions of correspondents.

Photographs.

We are always pleased to receive good pictures of trade subjects. Send them prepaid by mail or express carefully packed to prevent injury in transit. Pack them flat, not rolled, with name and address of sender on the back of each picture.

THE AMERICAN FLORIST,
324 Dearborn St., Chicago.

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MARDI GRAS at New Orleans, March 2-7.

"SEED-PLANTING COMMUTERS," says Collier's.

BERMUDA is getting a good run of American visitors this winter.

HOLLAND PANTS are offered in a trade publication. Do they throw in the wooden shoes?

WRITE Julius Roehrs Co., Rutherford, N. J., for colored plate of their artistic new rambler rose, Newport Fairy.

PEONY growers will be interested in the account of a new yellow peony, noted under "European Horticulture," on page 169 in this issue.

THE CONARD & JONES Co., Westgrove, Pa., has a full page in colors in a January Spanish-American magazine; Mexican trade must be good.

ROCKFORD, ILL.—H. W. Buckbee has bought a farm just out of town, to be used in connection with his greenhouse, seed and nursery business.

ROSE MY MARYLAND is well spoken of by expert rose growers who visited John Cook's place both before and at the time of the carnation convention.

CROZY FILS, at Hyeres, France, will now be known as Vve Crozy Fils, his widow, for some years bookkeeper and correspondent, now taking over the business.

START cannas soon if strong plants are wanted for spring retail sales. See how the roots are keeping; if too dry sprinkle on some fine earth; if starting too fast, shake off some soil.

How is the stock of fertilizers? The season will soon be opening up and where good animal manure is scarce it is necessary to use artificial. Don't be delayed in the work for the want of these.

SPRINGFIELD, ILL.—J. M. Dickirson, secretary of the Illinois state fair, now permanently located here, is offering the premium list, which, as it did last year, contains a good line of valuable prizes for florists.

J. H. BURDETT, in charge of the publicity department of the National Flower Show, is asking the various chairmen of the general committees for the names of those whom they have chosen to assist them in committee work.

PRESIDENT ROOSEVELT at Washington last week stole in a side door on the visiting carnationists and was at once busy at hand-shaking, leaving the spokesman of the delegation with an unspoken speech on his mind.

ACCORDING to local papers the government will not now establish the proposed bulb farm at Bellingham, Wash., and Juenemann, the bulb expert who has been located there for some time, has been recalled to Washington, D. C.

WE would remind rose growers of the experiments that have been made with dilute sulphuric acid. When the mildew season arrives they will be wise if they experiment a little along this line for themselves. One part of sulphuric acid to 1,000 parts of water is a safe basis to start from, increasing the strength in bad cases. We would like to hear from growers who try or have tried this remedy for fungus troubles.

CARNATION WEBER'S TOREADOR will not go out till 1909.

FOLLOWING the carnation meeting, the next great event is the annual convention and exhibition of the American Rose Society, to he held at Chicago, March 25-27. Growers promise exhibits that will make this the greatest show in the history of the society.

IMPORTERS who are handling Formosa lilies claim that, although these are mixed to some extent as to types, they insist that such bulbs produce plants absolutely free from disease. This they deem of more importance to the lily grower than the mixture of types.

THE excellent practical paper on the culture of carnations, read by Irving Gingrich, of South Bend, Ind., at the recent convention at Washington, is printed elsewhere in this issue. It is worthy of perusal by all carnation growers.

BRIGHT mornings frequently follow cold nights, and at such times the firing and ventilation need especial care. If the fires are pushed early the effect of this and the sun is to run up the temperature more quickly than is advisable and the hot pipes make it difficult for those in charge to induce a natural and gradual rise. Especially is this the case where hot water is used; steam can be more quickly manipulated. Firemen and section men must work hand in hand in this to insure good results and careful observation of the weather, with altered treatment accordingly, is preferable to any arbitrary rule of temperature.

Orchids Popular in Japan.

"I see very few growers of orchids in America," said H. Suzuki. "In Japan they are very popular. In the city of Tokio there are about 500 greenhouses belonging to private people, in which mainly orchids are grown." One American firm exported $5,000 worth of orchid plants to Japan last year.

National Flower Show.

W. A. Manda addresses the following letter to those who have made pledges for the premium list of the National Flower Show:

Your being one of the guarantors for the National Flower Show indicates that you have a deep interest in the matter, and that you are willing to do everything you can to make this a grand success, not only on account of your being on the guarantee list, but from the professional pride that you have in this undertaking.

As it is, we want to encourage exhibitors to make a large exhibit, and with that in view it has been suggested to me that we should raise a special premium which is to be called the "Guarantor's Sweepstake Prize," to be awarded to the party taking the largest number of points, same to be reckoned somewhat as this:

POINTS FOR SWEEPSTAKE PRIZE.

Cup, vase, or other trophy.....10 points
Gold medal.....10 points
Silver medal..... 5 points
Bronze medal..... 3 points
First-class certificate..... 2 points
Award of merit..... 1 point
Money prize for each $1.....1-10 of a point

This would be a great stimulus to the prospective exhibitors and would make a prize worthy of the undertaking if each guarantor subscribes from $1 up, and not more than $10. Kindly let me know what amount you wish to subscribe for this purpose by return mail in the enclosed envelope. Of course no money is needed until the exhibition opens.

Meetings Next Week.

Boston, Mass., February 18.—Gardeners' and Florists' Club of Boston, Horticultural Hall, St. Paul and Franklin streets.

Des Moines, Ia., February 18, 8 p. m.—Des Moines Florists' Club, Iowa Seed Co's. store.

Detroit, Mich., February 19, 8 p. m.—Detroit Florists' Club, 38 Broadway.

Grand Rapids, Mich., February 17.—Grand Rapids Florists' and Gardeners' Club, Board of Trade rooms, Pearl St.

Hamilton, Ont., February 18, 8 p. m.—Hamilton Gardeners' and Florists' Club, office of member.

Montreal, Que., February 17.—Montreal Gardeners' and Florists' Club, Alexandria rooms, 404 St. Catherine street, west.

New Orleans, La., February 20, 8 p. m.—New Orleans Horticultural Society, 125 St. Charles street.

Newport, R. I., February 19.—Newport Horticultural Society.

Pasadena, Cal., February 21, 8 p. m.—Pasadena Gardeners' Association, G. A. R. Hall, East Colorado street.

Providence, R. I., February 17, 8 p. m.—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street.

Salt Lake City, Utah, February 18.—Salt Lake Florists' Club, Huddart Floral Co., 114 East Second South street.

Scranton, Pa., February 21, 7:30 p. m.—Scranton Florists' Club, Guernsey building.

Seattle, Wash., February 18.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia St.

Springfield, Ill., February 18-19.—Illinois State Florists' Association.

Toronto, Ont., February 18, 8 p. m.—Toronto Gardeners' and Florists' Association, St. George's hall, Elm street.

Catalogues Received.

Schlegel & Fottler Co., Boston, Mass., seeds, plants and bulbs; Weeber & Don, New York, garden, farm and flower seeds; R. & J. Farquhar & Co., Boston, Mass., seeds, plants, implements, etc; Bloodgood Nurseries, Flushing, N. Y., nursery stock; Dervaes Freres, Wetteren, Belgium, nursery stock; German Nurseries and Seed House, Beatrice, Neb., surplus nursery stock; Archias' Seed Store, Sedalia, Mo., seeds; H. H. Berger & Co., New York, seeds and bulbs; The Cassel Nursery Co., Cleveland, O., trees and herbaceous plants; Arthur De Meyer, Ghent, Belgium, plants and nursery stock; The Henry Philipps Seed & Implement Co., Toledo, O., seeds, bulbs, plants, etc.; Ralph M. Ward & Co., New York, bulbs; Denaiffe & Fils, Carignan, France, seeds; Vaughan's Seed Store, Chicago and New York, General Seed Catalogue, Book for Florists, Wholesale Seed List, Market Gardeners' Catalogue, all free on application; Jos. A. Schindler & Co., New Orleans, La., seeds.

Prices of Indoor Vegetables.

The prices of indoor vegetables at leading points February 8 were as follows: New York, cucumbers, No. 1, $1 to $1.50 per dozen; No. 2, $2.50 to $4 per box; lettuce, per dozen, 25 cents to $1; mushrooms, 10 cents to 40 cents per pound; mint, 50 cents to 75 cents per dozen bunches; radishes, $1.50 to $3 per dozen; rhubarb, 50 cents to 75 cents per dozen bunches; tomatoes, 10 cents to 25 cents per dozen bunches. Chicago, cucumbers, $1 to $1.25 per dozen; radishes, 15 cents to 25 cents per dozen bunches; mushrooms, 20 cents to 50 cents per pound. Cincinnati, cucumbers, $2 per dozen; mushrooms, 35 cents to 40 cents per pound. Kansas City, cucumbers, $2.50 to $3 per dozen. Boston, tomatoes, 15 cents to 20 cents per pound; cucumbers, $5 to $7.50 per box. St. Louis, cucumbers, $1.50 to $1.75 per dozen. Pittsburg, cucumbers, $10 to $12 per box.

Plants From Jamaica.

Sidney J. Beer, 128 Harbor street, asks the AMERICAN FLORIST to secure for him a consignee for orchids, palms, crotons and other native Jamaica plants suitable for the United States demand. The freight charges are nominal.

Can't Be a Florist Without It.

AMERICAN FLORIST Co:—

Nothing short of being out of business would keep me from taking the AMERICAN FLORIST.

February 8, 1908. W. F. BEST.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.
Cash with Adv.
Plant Advs. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1908 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—Private or commercial; 24 years; English Address
Key 422, care American Florist.

Situation Wanted—As florist by married man; have been eight years in business.
R. GUGLER 490 54th Ave., Milwaukee, Wis.

Situation Wanted—Experienced all-around grower desires situation; married sober, honest.
Key 424 care American Florist.

Situation Wanted—As grower, experienced in 'mums carnations and roses; age 36; single; good references. Please state wages and particulars.
Key 423, care American Florist.

Situation Wanted—Young man wants position in store or greenhouse; has experience; New York or Philadelphia preferred.
Key 428, care American Florist.

Situation Wanted—As gardener on private place with glass; knows fruit, flowers and vegetables; age 28, single; can furnish references.
Key 426 care American Florist.

Situation Wanted—Good grower of roses, carnations 'mums and bedding plants, also good designer, single, strictly sober and honest, wants position on retail place; references. Address
Key 429, care American Florist.

Situation Wanted—By a sober, industrious middle aged man with 15 years' experience in floral and horticulture branches; capable of taking charge of a small range of glass; commercial or first-class private place; references. Address.
FLORIST, 104 N. Hill St., South Bend, Ind.

Situation Wanted—As gardener on private place with glass; head or single; Chicago or California preferred; age 28, single; 15 years' experience; well up in gardening in general; references
Key 420, care American Florist.

Situation Wanted—As working foreman; understands growing roses, carnations, violets, 'mums and miscellaneous plants; 40 years' experience. 21 years in England, 19 in United States; single; age 54; English
GEO. H. MORRIS Hudson, N. Y.

Situation Wanted—By Hollander as foreman on commercial place; 18 years' European and American experience in growing plants and cut flowers including Farleyense and forcing bulbs valley etc; three years in present place; good reference; age 34 single; state full particulars in first letter.
J. P. NULLEN The Highlands,
Newtown Square, Pa.

Situation Wanted—By a Frenchman; good grower and propogator in general line of cut flowers; roses carnations Easter stock, palms, ferns, tropical plants; life experience in every line of the florist business; seven years' practise in America can take full charge of wholesale and retail or private place; good references; am steady and sober man.
Key 421, care American Florist.

Help Wanted—Rose and carnation grower; 25,000 feet of glass; send reference age etc.; $3.00 per day. EMIL GLAUBER, Montclair, Colo.

Help Wanted—A reliable working foreman, a good grower; married man preferred; state experience, wages and send recommendations.
I. L. PILLSBURY, Galesburg, Ill.

Help Wanted—A man to work in rose section also two men for general greenhouse work; state wages without board. Address
Key 340, care American Florist.

Help Wanted—Decorator and designer; one who has some knowledge of plants; single man preferred. References and wages in first letter. Address Key 410, care American Florist.

Help Wanted—Experienced florist for general greenhouse work at commercial place; married man preferred; steady position; state references and wages. Key 425, care American Florist.

Help Wanted—A good grower of roses, carnations and 'mums to take full charge of 40 000 feet of glass wholesale only; must have good references; sober and not afraid of work; must be capable of handling help; wages $60 per month. Address Key 430, care American Florist.

Help Wanted—An assistant gardener who has had experience in the raising of vegetables, one who will attend to the planting and harvesting. We have plenty of help to do the weeding, etc. Position is a permanent one; work all year around; salary, $30 per month, including room, board and laundry; further increase in salary if found competent. C. F. APPLEGATE, Superintendent,
Mt. Pleasant State Hospital, Mt. Pleasant, Iowa.

For Sale—Two small greenhouses, with stock.
LIMITS FLORIST, 1741 Diversey Blvd. Chicago.

For Sale—A large florist refrigerator with mirrors and marble base at a bargain
A. B. ELLSWORTH, 17 N. 6th St., Allentown, Pa.

For Sale—Greenhouses in good condition; 8000 feet glass plenty of land; dwelling; central Ohio; good reasons for selling Address
Key 399, care American Florist.

For Sale—20,000 square feet of glass, well stocked; three acres of ground; six-room house; all modern, in good condition, and a money-making place in best city of Indiana; $4,500 required. Details to parties meaning business.
Key 427, care American Florist.

For Sale—A greenhouse plant in Colorado Springs, Colo., of about 19,000 feet of glass all stocked and just coming in good bearing condition steam heat; city water; cheap coal; six room cottage with plant, one acre of ground. This is a rare chance for a man with a family to help or a party that wants a higher altitude; good trade; fine soil and water the best.
A. D. JONES, Broadmoor, Colorado Springs, Colo.

NOTICE.

We wish to inform the trade the Empire Plant & Floral Co., of Spokane, Wash., is under new management, and Mr. C. M Weintz, former manager, is in no way connected with the firm.
EMPIRE PLANT & FLORAL CO.

A Undeveloped Gold Mine at a Bargain.

A snap for a live practical florist having a small amount of cash capital; my greenhouse plant and residence is offered for the next 60 days at a sacrifice; it is well located in the best city of its size in Michigan, having 14 profitable tributary towns and only one other greenhouse within 30 miles; first-class cut flower and plant business. Write for particulars.
A. W. TWEEDIE. **Cadillac, Mich.**

——THE AMERICAN FLORIST——

TRADE DIRECTORY

of the entire **HORTICULTURAL TRADE** of America,
will be ready for mailing this month.

Price, $3.00 Prepaid.

A complete alphabetical list of all American cities with the names and addresses of all commercial horticulturists therein. A separate list, arranged alphabetically, of every commercial horticulturist in this country. A separate list of park superintendents, and all cemeteries. A separate list of all florist's clubs and horticultural societies, with their newly elected officers to date.

Southern Wild Smilax

Now Ready in Quantity. E. A. BEAVEN, Evergreen, Ala.

Building Storehouse for Vegetables.

ED. AMERICAN FLORIST:—

I want to build a storehouse for vegetables in winter, and would be glad of any information along this line. The vegetables to be stored are chiefly onions, cabbage, turnips, beets, parsnips, squashes, oyster plants, etc., in quantity sufficient for 1,000 persons. I wish to be as up-to-date with the structure as possible.

E. W.

This is a big subject to handle in a short article. Its full discussion would almost be out of place in a florist's paper; but the same structure that will nicely handle most vegetables will be a valuable place for most any florist to store bulbs and nursery stock, hence this question is worth much attention.

The subject must be divided into classes; namely, dry storage and cold, such as onions; dry storage and warm, such as squashes, pumpkins and sweet potatoes; and cool storage and moist, for all root crops and cabbage. One place will not suit all the crops mentioned.

Onions will winter best in a cool, dry building, left undisturbed. Any moisture will cause them to sprout and root. They will keep well in crates in heated buildings, where the air is dry and temperature very constant, as in a potting shed. If stored without heat, frost does not hurt them, if it is not too hard, and if they are not handled while frozen, and further, if the freezing is not alternated, thawing and freezing. The rule is to keep onions above ground. Squashes, pumpkins and sweet potatoes do best in warm, dry quarters; that is, above ground and heated.

Cabbage, turnips, beets, potatoes, etc., do better under ground; that is, cool and in touch with the earth's moisture. That is the reason why these are so generally buried in trenches. No other method will keep them so fresh and nice. However, where a few at a time are wanted, to dig in cold or wet weather is a bad job. Many a time a person prefers to do without rather than dig under such circumstances. A building that keeps these in good shape is a blessing. Our modern houses mostly have furnaces and boilers in the basement, and are too warm for such uses. The ideal storage is modern cold storage, and it is practically the only method that is up-to-date. Still, it is often unobtainable. The building that comes nearest to being handy, cheap and efficient is a type much in use among gardeners in Germany. They drive a series of stakes, in pairs, along a line to represent the outlines of their building. These stakes or posts are driven almost to the ground line. Upon these 2x6 are spiked, thus giving a plate to erect the roof. The space between is excavated four feet deep, leaving the walls slightly tapering inwards. These walls are afterwards coated with a thin coat of cement to prevent scaling off. The roof is then erected in span shape, much like a greenhouse roof, using common 2x4 for rafters. A model house is 12 feet wide, 4 feet under ground, 3½ feet above plate at ridge. The boards outside are nailed parallel with plate and lap each other to shed water. The inner boards are nailed up and down to conduct drip down to eaveline, to form an air space. Glass ventilators are provided for light and air on north side, near ridge, say one in ten feet. The first and second rafters are used to partition an entrance from the balance of building, thus making admittance easy in any weather. By providing good drainage a building of this type is most excellent storage. It is easily accessible, can be ventilated at will, and the depth is ample for uniform temperature.

The great drawbacks to ordinary cellars under buildings are lack of ventilation and too high temperature. An independent outside cellar like above is preferable where circumstances permit its construction. It can be made of permanent material and ornamental if desired; it can also be used for a greenhouse in the spring if planned accordingly. Do not get too far away from mother earth is a pretty safe rule.

MARKETMAN.

HENRY M. ROBINSON & CO.

WHOLESALE AND COMMISSION FLORISTS,

Florists' Supplies and Hardy Cut Evergreens.

Telephones: 2617-2618. 15 Province St., 9 Chapman Place, BOSTON, MASS

Hardy Cut **Dagger** and **Fancy Ferns**, A1 qual., per M, $1.50
Green Galax,.....$1.00 per 1000; $7.50 per case of 10,000
Brilliant Bronze Galax.....per 1000, $1.00; 10,000, $8.50
Wild Smilax, per case. .....$3.50 and $7.00
Laurel Festooning, made up good and full, per yard.....5c and 6c
Branch Laurel, per bunch.....50c
Sphagnum Moss.....per bag 50c.; 5 bags $2.

EXTRA FINE CUT BOXWOOD

Florists' Supply Price List on Application.

Fancy and Dagger FERNS $1.50 per 1000

Discount on large orders.

New Crop Galax, Bronze or Green, $1.25 per 1000; 10,000, $7.50. **Wild Smilax**, 50-lb case, $6.00.
Sphagnum Moss, large bales.....$1.25
Leucothoe Sprays.....$1.00 per 100; 1000, 7.50
Boxwood.....35c per bunch; 50 lbs., 7.50

Florists in the Middle and Western States can save money by placing their fern orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

WHOLESALE COMMISSION FLORISTS,

38-40 Broadway, All Phone Connections. DETROIT, MICH

George Cotsonas & Co.

Wholesale and Retail Dealers in all kinds of

Evergreens.

Fancy and Dagger Ferns, Bronze and Green Galax.

Phone 1202 Mad. Sq.

Main Store, 50 W. 28th St., NEW YORK.

Mention the American Florist when writing

John P. Scherer

UNION HILL, NEW JERSEY.

New York Branch: 468 Sixth Ave., bet. 28th and 29th Sts., New York. Telephone 6237 Mad. Sq.

SMILAX, FERNS, PALM LEAVES

and all kinds of GREEN GOODS.

THE KERVAN COMPANY,
113 West 28th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe, Ferns, Mosses and all Decorative Evergreens.

Sphagnum Moss and Cedar Poles.
Moss, 5 barrel bale, $1.25; 2 bales, $2.25; 5 bales $5.00; 10 bales, $9.50. **Poles**, 2-in. butt, 8 ft. long, $15.00 per 1000; 2½-in. butt, 10 to 12 ft. long, $22.50 per 1000; 1½-in. butt 5 to 7 ft. long, $10.00. Cash.
H. R. AKERS, Chatsworth, N. J.

Cleveland.

The most diligent people last week were the growers; they were kept hustling at the boilers on account of the extremely cold weather. The carnation is the predominating flower just now. The truth is, it would be a great relief to the wholesaler to see the market cleaned up for just one day as it is fairly flooded with carnations. There is a large supply of bulbous stock and it is hard to move. Roses are not over plentiful; the demand for short stock has been greater than the supply. American Beauty continues scarce. Callas and Lilium Harrisii are coming in better, they bring good prices. The call for violets is ahead of the supply; singles bring 75 cents per 100; doubles $1. Notwithstanding the fact that business is dull, a reasonable amount of cheerfulness pervades the wholesale district. We all feel sure that business will and must pick up before Lent.

The employes of the Cleveland Florist's Exchange had quite a scare the other morning, when they came to work as usual, and saw the fire department lined up in front of the store. The Chandler block, which is across the road, was completely wrecked by fire the night before.

D. Charlesworth & Son are establishing a good trade for cut flowers at their busy corner, Euclid and E. One Hundred and Fifth street.

J. M. Strejcek, Broadway avenue, has a large wedding decoration this week. He had several small funerals last week.

A. Graham & Son report a busy week in funeral work.

FORESTER.

Roses are in Large Supply

Maids, Brides and **Richmonds** are in with good crops while **Killarney** is coming fast and should be used in place of Beauties as the latter are very scarce. We grow all the stock we sell and guarantee our flowers both quality and freshness in every way.

PRICE LIST.

AMERICAN BEAUTIES.

	Per doz.
Extra long	$5.00 to $6 00
Stems 24 in. to 30 in	3.00 to 4 00
Stems 18 in. to 20 in	2 00 to 2.50
Stems 15 in	1.50
Stems 12 in	1.00

RICHMOND and KILLARNEY.

Extra long and select, per 100	$12.00 to $15.00
Good average lengths, per 100	10 00
Medium lengths, per 100	8 00
Short stems, per 100	4.00 to 6.00

BRIDES, MAIDS and PERLES.

Extra long and select	$10.00
Good average length	8 00
Medium length	6 00
Short	4 00

BULB STOCK

EASTER LILIES, Giganteum, per doz	$2.00

BULB STOCK.

LILY OF THE VALLEY, per 100	$3 00 to 4.00
TULIPS PAPER WHITE, and DAFFS. per 100	$2.00 to 4.00
Extra Fancy Yellow or Pink Tulips, per 100	4.00
Extra Fancy Single Daffodils, per 100	4.00

CARNATIONS.

Pink, White, good stock	$3.00
Fancy long Enchantress	4.00
Fancy long red O. P. Bassett	6.00

WHITE SWEET PEAS, per 100	50c to $1.00
PINK SWEET PEAS, per 100	1.00
ASPARAGUS STRINGS, heavy, per string	.50
ASPARAGUS SPRAYS, per 100	$2.00 to 3.00
SPRENGERI, per 100	$1.50 to 2.00
SMILAX, extra fine, per doz	$1.50 to 2.00
ADIANTUM, per 100	1.00
GALAX, green and bronze, per 1000	1.25
FERNS, per 1000	2.00

On orders amounting to $2.00 or over we make no charge for boxes.

BASSETT & WASHBURN, 76-78 Wabash Avenue, . . . CHICAGO.

The Boiler's Bursted.

HOW IT WAS REPAIRED.

This was the alarming report made by a careless and frightened attendant coming running up from the basement of a Philadelphia florist's establishment last week. He had been told to look to the fire as the temperature was getting low and finding the boiler hot with no water showing in the gage, turned in the city supply, with the usual result, a cracked tube or section, but luckily no greater damage. With 15° of frost outside and a badly damaged boiler the prospect was anything but rosy. However, the fire was drawn, the boiler cooled off as rapidly as possible, then filled with cold water to contract the iron and find out how bad the leak really was. Fortunately but one section was damaged, but this was badly cracked on both sides at edges, each crack being from 12 to 15 inches in length out of which leaked about a bucket of water every five minutes.

The flow pipe at the top of the section was disconnected and into the opening was poured three quarts of common bran. In about half an hour there was a perceptible decrease in the flow of the water, although one place between the sections appeared to have a larger opening. This was stuffed with cheesecloth which checked the rapid flow and appeared to give the bran a chance to accumulate and stop up the crack which it apparently did, for in half an hour, the leakage not being serious, fire was started, and half an hour later or about two hours after the accident steam was up, the leak had stopped almost entirely and the system seemed as good as ever. The next day the leak had entirely disappeared and the boiler has since worked satisfactorily. At the first mild spell the damaged section will be replaced, but the incident is recorded here to show by what simple means rapid repairs can be made. The iron being made cold contracts and opens the cracks, into which the particles of bran are carried by the water in leaking through; when the flow is stopped, or nearly so, it shows the crevices to be filled with the bran. Then when the fire is started the iron in heating expands, the crevices become smaller and with the aid of the bran and the rusting of the new surfaces the union is made complete. K.

Grand Rapids, Mich.

The weather the past two weeks has been the very opposite from what it has been all winter, and is making up for lost time. Heavy snow and winds have materially reduced the coal piles. The florists generally are all very busy with funeral work, and February sales will probably be very satisfactory. A great many of the society people have left the city, going to Florida and California, which make social events very scarce.

On February 5 three of Henry Smith's houses were broken in by the heavy snow. Prompt action prevented any serious damage to stock.

A representative of the A. H. Hews Co. has been in town for a few days and sold a carload of pots. B. S.

YOKOHAMA, JAPAN.—A. Unger is reported to have closed out his interest in the bulb and plant business of L. Boehmer & Co. here and Mr. Unger with his family will, it is said, return to Germany in the near future.

THE FINEST

VALLEY

Western Headquarters for

EARLY FORCING PIPS

$1.50 for 100.
$12.00 for 1000.

Write for quotations on large quantities.

Finest Cut Valley Always on Hand.

H. N. BRUNS,

1409-11 W. Madison St. CHICAGO.

Long Distance Phone, Kedzie **1196.**

Mention the American Florist when writing

"MODERN TRAINING IN HORTICULTURE" is the title of a neat booklet issued by the Massachusetts Agricultural College, describing and illustrating the subjects taught in the horticultural division. These include "Pomology," "Horticulture," "Market Gardening" and "Landscape Gardening," and, judging by the illustrations from photographs and the names of the instructors, the courses must be very full and useful.

CHICAGO.—John F. Smulski has been appointed by Governor Deneen to succeed B. A. Eckhart, president of Board of West Park Commissioners.

WIETOR BROS.

Wholesale Growers of..... **CUT FLOWERS** 51 Wabash Ave., CHICAGO

	Per doz.
American Beauties, extra long stems	$5 00
30-inch stems	4 00
24-inch stems	3 50
20-inch stems	3 00
18-inch stems	2 00
15-inch stems	1 50
12-inch stems	1 25
8-inch stems	75c to 1 00

	Per 100
Bride	$ 6 00 to $10 00
Bridesmaid, fancy	6 00 to 10 00
Killarney, fancy	10 00
" good	5 00 to 7 00
Kate Moulton, fancy	10 00
" " good	5 00 to 7 00
Richmond, fancy	10 00 to 15 00
" good	6 00 to 8 00

	Per 100
Chatenay, fancy	$10 00 to $12 00
" good	6 00 to 8 00
Uncle John, fancy	6 00 to 10 00
Perle	4 00 to 8 00

ROSES, Our Selection, $4.00 per 100

	Per 100
CARNATIONS, fancy	$4 00
" good	3 00

All other stock at lowest market rates. The above prices are for select stock. Extra select or inferior stock billed accordingly. No charge for packing. Prices subject to change without notice.

Boston.

CONDITIONS UNCHANGED.

The quietest stretch of the whole season is that just passed; an encouraging feature was the strong reaction on Saturday. Market conditions are practically the same as last week with an increase in surplus stock of all kinds rapidly growing. There has been no opportunity afforded for the unloading of any great quantities. The early morning purchases are extremely light and the rest of the day is quiet. With the wholesalers, business is dragging heavily. The rose growers are the only exceptions, for their stock is traveling along at a remarkable pace. Stock of this kind is not over abundant and first quality roses are really scarce. An open market is readily found for all first class varieties. The American Beauty problem still remains the same with practically nothing in sight from the local growers. In view of the high prices asked for the foreign goods the demand has greatly fallen off, and no doubt will remain dormant until a more convenient market presents itself. The output of Killarney has never been equaled, and there is an increasing demand for this rose. Bulb stock is swamping the market and the abandonment of street vending has been seriously felt by the growers of this stock. Owing to the demands of the city government, the street men who disposed of great quantities of stock are now compelled to reimburse the city of rentals and it is now quite difficult to procure licenses. The most severe weather of the winter has made the last week a miserable one for shippers and this no doubt accounts in part for the light trade. Zero has been frequently reached in the city, and several times below that point, while in the suburbs a much colder average was recorded.

NOTES.

A. H. Hews & Co., Inc., are now running their pottery plant to its full capacity after a partial curtailment the past month due to heavy additions, which they were actually obliged to make to meet the constantly increasing demand for their goods. Two new boilers, kilns, dynamo, and specially constructed machinery for preparing clay have been installed, until today their output has been greatly increased. The firm for some years has maintained a large warehouse in Long Island City and has now opened a similar branch in Chicago to facilitate the handling of their western business. This concern has constantly in mind the welfare of its employes and has provided for their amusement a large recreation room 25x 35 feet with billiard and pool tables, various kinds of games and reading matter. The outlook for a prosperous year is particularly bright and according to present indications this plant will be forced to its full capacity filling orders for distribution throughout the country.

A serious fire ruined the establishment of George H. Arnold at Braintree February 4. Three greenhouses, well stocked with flowers and market vegetables, were destroyed, the blaze starting from an over-heated boiler. The loss was $5,000.

Joseph Free the popular salesagent of the Park Street Market who broke his arm in two places by slipping on an icy sidewalk is around attending to his duties with his arm in a splint.

Wm. Sim, of Cliftondale, is distributing a superb line of pink and white sweet peas, the equal of which has never been seen outside of his own establishment.

B.

Amoor River Privet.

We are reminded by the Peters Nursery Co. of the great value of this hardy hedge plant. They say: "When better known it will entirely supersede the California type, being far superior to it in every way."

A Good Advertisement.

The accompanying illustration shows a partial view of Geo. Corbett's place, College Hill, Cincinnati. It is situated on the North Bend road, a fine road which is used very extensively by automobilists. Mr. Corbett uses great judgment in putting out plants which make the best show as the season progresses. The picture does not do the place justice as it is a fine sight when all the plants are in bloom. The aristocracy of Cincinnati when passing the place in their vehicles, often stop and admire the beautiful flower beds and Mr. Corbett has gained many good customers by this method of advertising. No doubt a great many florists could follow his example and not lose anything by the experiment.

S.

Friendship.

Senator Grady summed up the case in responding to a toast at a Tammany Hall banquet on the east side, in New York, recently, when he said: "Friendship is as necessary to man's existence as water is to a flower. It is the golden ray that lights up our journey here below. It is the jewel without price. It is the thing that no man, no matter how rich he is, may spurn. It is a treasure that may be had by any man no matter how poor and wretched. The man without a friend is just in that degree more lonesome than the man without a country!"

WAPAKONETA, O.—"Business," says Wm. McMurray, "is very good in this section of the country."

HOME OF GEO. CORBETT, COLLEGE HILL, CINCINNATI, O.

PETER REINBERG,

51 Wabash Avenue, CHICAGO.

LARGEST GROWER IN THE WORLD.

Will Take Care of Your Regular Orders.

1,580,000 FEET OF GLASS.

We are in full crop on all Roses and especially long Beauties.

	Per doz.
American Beauties,	
Extra long stems,	$5.00
30-inch stems	4.00
24-inch stems	3.00
18-inch stems	2.50
15-inch stems	1.50
12-inch stems	1.25
Short stems	.75 to 1.00

	Per 100.
Mrs. Marshall Field and Killarney.	
Best	$10.00 to $15.00
Short to medium	6.00 to 8.00
Liberty and Richmond	
Best	8.00 to 10.00
Short to Medium	5.00 to 7.00
Golden Gate Select..	8.00 to 10.00
Short to medium	4.00 to 6.00
Perle	4.00 to 8.00

	Per 100.
Chatenay Select	$10.00 to $12.00
Short to medium	6.00 to 8.00
Bride and Bridesmaid	6.00 to 10.00
Sunrise	6.00 to 10.00
Uncle John	6.00 to 10.00
Ivory	6.00 to 10.00
Carnations	2.50 to 3.00
Lily of the Valley	3.00 to 4.00
Asparagus Plumosus	2.00 to 3.00

ROSES, OUR SELECTION, short to medium stems, all fresh stock, $4.00 per 100.

Memphis, Tenn.

BUSINESS SATISFACTORY.

Business conditions have been quite satisfactory here notwithstanding the recent financial troubles in the north. There have been the usual social functions, but the great bulk of the business since the holidays has come from funeral work. Considerable demand for floral designs was created by the funeral February 9 of Capt. Wm. H. Forest, son of the late Gen. N. B. Forest, famous as a fighting confederate officer in the civil war. Every florist in town had some work for this occasion.

NOTES.

The Memphis Floral Co., which does an extensive mail order plant trade in this and adjoining states, has just mailed 20,000 catalogues. A like number of fall catalogues are mailed at that season. This firm is having unusual success with carnations and will build six new houses, 18x100 feet, for these plants as soon as the spring rush is over. Manager Hune expects to attend the coming meeting and exhibition of the American Rose Society at Chicago next month.

Otto F. Wohlroth, of the Idlewild Greenhouses, is busy with the varied catalogue plants handled by Otto Schwill & Co., also the decorative plants and cut flowers needed at their city store. A large quantity of Chicago stock is used at the latter place.

Otto Busek, at the Pierson-McCarty Co.'s establishment, adjoining Elmwood cemetery, has his place in excellent condition, with a good stock of bedding plants coming on for the spring trade.

Olaf Johnson is cutting some fine carnations and he has a large supply of bulbous stock in various stages of development, including lilies, Roman hyacinths, tulips and narcissi.

The plants at Stranahan's Greenhouses are being moved to another location on Evergreen street.

Tacoma, Wash.

Business is about equal to that of a year ago and notwithstanding the financial conditions in general throughout the country we have suffered no such siege of hard times as some other cities. Prospects are especially good. Many plans of improvement and much in the way of building is very encouraging for general business and florists will prosper accordingly. Most growers are off crop with carnations and we find generally the plants are very late in coming into a good cut as they were too small when they were planted. As regards roses few are grown and many shipped in during the winter season. Our best roses are received from east of Cascade mountains and from Sibson Rose Nursery near Portland, Ore. Conditions here are not favorable to successful winter forcing of roses but I believe we can equal any place on earth for fine outdoor grown flowers in summer, the soil and climatic conditions are so especially favorable. As usual asparagus and smilax are very scarce in supply for "greens" but florists in this section have abundance of outdoor greens, such as huckleberry, ferns and mahonia, or Oregon grape.

NOTES.

A. H. Hinze reports business about the same as last year for January, but not quite so good up to date in February. His son is quite low with lung trouble. We are all in sympathy and hope for his recovery.

The Bornerman Bros. said they have had about half an acre of sweet peas planted for some time. That should help some toward a supply of cut flowers.

H. W. Manike has a splendid cut of good carnations in at present, but he reports business poor as compared to that of last year at this time.

F. S. Smith says he has a good demand for all he can grow for wholesale. We regret to report the sudden death of his brother.

C. Halkur of Northwestern Floral Co. expects to add two houses, 20x100 feet, and reports several good gardening contracts.

The contract has been awarded for the building of the $10,000 conservatory to be erected in Wright's park this season.

We are greatly pleased to state that Park Superintendent E. R. Roberts is again reinstated to his former position.

California Floral Co. reports that the store trade has been good up to the present.

S. L. H.

Springfield, Ill.

The regular meeting of the Florists' Club, held February 10, brought out an attendance of 16 members. The coming convention of the State Florists' Association was the one topic discussed and all hoped for a record-breaking attendance. The various committees who have charge of the flower show and trade exhibits are all working hard to make this a successful exhibition and from the list of exhibits promised they will not be disappointed. This will be a good opportunity for western florists to see the novelties and prize winners of the Washington carnation show as they will practically all be here, in addition to novelties in roses and other stock. Boiler and supply men will be large exhibitors at this show as a dozen or more have reserved space in the hall.

Springfield is easily reached by all railroads and inter-urban lines and this should help to bring out a good crowd. The local club will give a banquet to the visitors Tuesday evening at 9 o'clock at St. Nicholas hotel. Prominent men of this and neighboring states are on the programme to respond to toasts and the club will try their best to give everyone an enjoyable evening. Come. FRANK A. FRIEDLEY.

AUBURN, NEB.—E. W. Sultzbaugh will build two greenhouses the coming season.

Chicago.

BUSINESS RATHER QUIET.

Trade has remained quiet, with the two holidays, Lincoln's birthday and St. Valentine's Day, making scarcely a ripple. It is true that there has been some extra call for violets and red carnations, but comparing this week with the corresponding week of last year brings disappointment to the heart of the wholesaler. This is, however, largely accounted for from the fact that the Mardi Gras festival last year came only two days after St. Valentine's day instead of early in March as it does this year. Receipts of carnations are approaching the conditions of a glut on this market. Extra fancy shipping grades are going out quickly, but other grades for the most part, are held over to add to the fresh receipts of another day until the waste barrel takes the lot. White carnations for funeral work and red for special dinners and valentine favors move best. American Beauty roses are becoming scarce and the prices of the best grades have advanced to $6 per dozen, and most houses find it difficult to fill all orders at that. Orders for grades at $3 and $4 cannot be filled in full. Bride, Bridesmaid and Richmond roses are coming in more freely and are fine. Uncle John is also a very good thing. Bulbous flowers are good property this season. They have been a little backward in coming in, but most of them are now seen in quantities. The quality is exceptionally good, too, with the exception of Roman hyacinths. Purple lilac is now in the market.

THE VIOLET SITUATION.

Violets are coming into this market in greater quantities than ever before and are moving more slowly. New York double violets are not up to the grade of a year ago, and the prices being lower this season seem to have made the eastern shippers somewhat more careless in packing than heretofore. The demand for St. Valentine's Day has been very good, most of the houses reporting larger sales than a year ago, with the consequence that there has been less cutting of prices and quotations have been somewhat better maintained. Still, outside of the strictly fancy grades of flowers, there is sure to be disappointment for the growers who held back stock only to unload vast quantities on the market with the hope of getting higher values from the St. Valentine's Day demand. There have been a few homegrown double violets seen on this market, which have been quickly snapped up. Single violets are good in quality and move somewhat better than the eastern doubles.

NOTES.

Bassett & Washburn are now taking out of the grafting bench 30,000 Bride, Bridesmaid and Killarney rose plants. C. L. Washburn says they lost less than one-half of one per cent in the grafting, which they think a phenomenal record. The grafted stock to be planted this year will include 20,000 Killarney, 20,000 Bride, 10,000 Bridesmaid and 2,000 Richmond.

Chas. McKellar is showing some fine lycastes, a fine substitute for cattleyas when the latter are hard to obtain. At the present time some fine Trianæ and Schroederæ in the latter line are seen. Mr. McKeller says St. Valentine's day had a noticeable effect on the demand for gardenias and orchids.

Calling on Luke Collins of the Parkside Nurseries recently, we found that both he and his wife had been down with pneumonia, but both were improving in health. A grand lot of Easter lilies was coming on and the stock of Boston and other ferns, Asparagus plumosus nanus and other decorative plants, was in good condition.

The E. F. Winterson Co. is displaying armadillos, a recent importation intended for plant boxes, or tastefully lined in various colored satins for florists' card receivers. The retail department is undergoing various improvements in the disposition of the floor space.

The Florists' Club at Handel hall, Thursday evening, February 13. An interesting meeting is expected in view of the forthcoming convention and exhibition of the American Rose Society in this city.

Delegates from here to the State Association meeting at Springfield, will probably include W. N. Rudd, August Poehlemann, Leonard Kill, E. A. Kanst, George Asmus, J. C. Vaughan and several more.

Carson, Pirie, Scott & Co.'s decorating department had the Chicago Athletic Club's big $1,500 decoration last week. The George Wittbold Co. took care of the greens and flowering plants.

Vaughan's Seed Store is making deliveries for large lots of new crop Asparagus plumosus nanus seed, their contract crops of which have ripened up liberally the past month.

Head Gardener Fred Kanst of the South parks keeps his pruning brigade in the tree tops these days. Tree planting work on Grant park lake front, progresses vigorously.

Frank Beu is again sending in some of his fine old fashioned wallflowers, but Mrs. Beu, who has the stand on the market says the demand is not what it used to be.

Rose Pink Enchantress is a favorite carnation with the Garland brothers, of Desplaines, and Percy Jones, who handles their stock, finds it a ready seller.

Bert Budlong, of J. A. Budlong's, is not alone a summer automobilist but runs his favorite "Four Eyes" night and day in the winter.

N. J. Kruchten is this year growing bulbous flowers on a small scale. His Paper White narcissi certainly look fine.

A. I. Simmons has been removed from the hospital to his home and is improving slowly.

Mrs. O. P. Bassett left Tuesday night to join her husband at Pasadena, Calif.

Wietor Bros. are fortunate in having a fine cut of American Beauty roses on.

The J. B. Deamud Co. has large receipts of very fine sweet peas.

The A. L. Randall Co. is now receiving purple lilac.

Joe Foerster is regularly receiving fine Winsor carnations.

Lake Michigan is frozen solid along shore.

(Continued on page 134.)

Vaughan & Sperry,
Wholesale Florists,
58 and 60 Wabash Ave., CHICAGO.
WRITE FOR SPECIAL PRICES.

Kennicott Brothers Company,
WHOLESALE
CUT FLOWERS.
48-50 Wabash Ave.,
CHICAGO.

Did you see WINONA at the convention? If not, see the cut at our store. We handle and sell the cut.

Klehm's Novelty Tulips, 50 in the box, $2.00 per box.

We will have anything in the line of CUT FLOWERS and Greens that you may want if anybody has at Chicago market prices on day of shipment.

KENNICOTT BROS. CO.
L. D. PHONE, CENTRAL 466.
48-50 Wabash Ave., CHICAGO.

"THE BUSIEST HOUSE IN CHICAGO."

Fancy Ferns, the best, per 1000 ..... $2.00
Galax Leaves, green and bronze, per case 7.50
" " " " " per 1000 ..... 1 00
Leucothoe Sprays, per 1000, $6.00; per 100 ..... .75
Wild Smilax, per case 5.00
Carnations, largest stock in Chicago. We can fill any sized order. Per 100 ..... $2.00 and 4.00
Sweet Peas, very fancy 1.00
Tulips, novelty 3.00

Roses, all varieties and grades. **Daffodils, Jonquils, Valley,** and all flowers in season.

J. B. DEAMUD CO.,
51 Wabash Ave., Chicago
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DAILY SHIPMENTS OF
Cut Flowers
From 40 to 60 Growers.
"Greens" Our Specialty.
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45-47-49 Wabash Avenue. CHICAGO.

Poehlmann Bros. Co.
Wholesale Growers of
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All telegraph and telephone orders gvien prompt attention.
Greenhouses: MORTON GROVE, ILL. 35-37 Randolph St., CHICAGO.

Roses, Violets, Carnations and other **CUT FLOWERS of best quality**
E. H. HUNT
SEND FOR PRICE LIST.
76 Wabash Avenue, CHICAGO.
Florists' Supplies AND Novelties.

Mention the American Florist when writing

E. C. AMLING
THE LARGEST, BEST EQUIPPED, MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.
32, 34, 36 Randolph Street, CHICAGO.
L. D. 'Phones Central 1978 and 1977.

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Room 218, 51 Wabash Ave., CHICAGO
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WEILAND - AND - RISCH
Wholesale Growers and Shippers of
CUT FLOWERS
59 Wabash Ave., CHICAGO.
'Phone Central 879.
Write for our wholesale price list.
WHOLESALE FLORISTS

Wholesale Flower Markets

CHICAGO Feb. 12.

Roses, Beauty, extra fancy		$ 5 00
" " 24 to 30-in. stems.		4 00
" " 12 to 20-in. stems.		1 25@ 3 00
" " Short stems		75@ 1 00
" Killarney		6 00@15 00
" Bride, Maid, Ivory, Gate..		6 00@10 00
" Liberty, Richmond		6 00@15 00
" Chatenay, Perle		6 00@12 00
Carnations		1 50@ 4 00
Violets		25@ 75
Lilium Harrisii	per doz.,	2 00@ 2 50
Callas	per doz.,	2 00@ 2 50
Cattleyas	per doz.,	6 00
Lily of the valley		2 00@ 4 00
Pansies		1 00@ 1 50
Tuberoses		5 00@ 6 00
Stevia		2 00
Smilax	per doz.,	2 00
Asp. Plu. & Sprengeri..	bunch,	50
Asparagus strings	each,	75
Adiantum	per 100,	75@1 00
Leucothoe sprays		75@ 1 00
Ferns	per 1000,	2 00
Galax, green	per 1000,	1 00
" bronze	per 1000,	1 50
Boxwood	per bunch,	35
Sheet moss	per bag	3 50

Always mention The American Florist when you order stock. : : : :

Chas. W. McKellar
51 Wabash Ave.
CHICAGO.

ORCHIDS
A Specialty
Fancy Stock in VIOLETS VALLEY, ROSES, BEAUTIES, CARNATIONS and a full line of all Cut-Flowers, Greens, Wire-Work and FLORISTS' SUPPLIES.
Send for Complete Catalogue.

Mention the American Florist when writing

Bassett & Washburn
76 & 78 Wabash Ave., CHICAGO,
Wholesale Dealers and Growers of **Cut Flowers**
GREENHOUSES: HINSDALE, ILL.

J. A. BUDLONG
37-39 Randolph Street, CHICAGO.
Roses and Carnations A Specialty.....
WHOLESALE GROWER of **CUT FLOWERS**

Mention the American Florist when writing

THE BENTHEY-COATSWORTH CO.
35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

Fancy White and Purple Lilac $1.50 per bunch.

Fancy La Reine, Yellow and White Tulips, $3.00 per 100.

Also a full line of all other seasonable Cut Flowers.

A. L. Randall Co. 19-21 Randolph St., **Chicago.**

Wholesale Florists and Manufacturers, Importers and Jobbers of everything in

Let us know your wants. **FLORISTS' AND GROWERS' SUPPLIES.** We can satisfy you.

Chicago Notes.

The Poehlmann Bros. Co.'s new building now nearing completion at Morton Grove, containing offices, packing, cooling and storage rooms, is shown in this issue. The structure, with a pressed brick front, rests on a foundation of concrete, and is 53x153 feet. The entrance to the offices and other rooms is seen at the left under the stone capping having the firm's name plate. August Poehlmann says the structure has all the conveniences that could be desired, not having been built for a day or a year, but to accommodate the needs of the business for 40 years to come. The two-story part of the structure at the right is for foremen's apartments. Carnations in the adjoining Plant A are now in prime condition. Five thousand plants of Winsor are in good crop and show how well this variety can be grown. Rhea Reid and Mrs. Jardine roses are to be tried out here this season.

A. L. Vaughan, of Vaughan & Sperry, says he has booked more orders for violets for St. Valentine's Day than he did a year ago, but he adds that the demand is by no means so great that some the Rhinebeck (N. Y.) growers who have held their stock and unloaded three and five times their usual shipments on the holiday market won't be about as badly disappointed as in former years.

Sharp, Partridge & Co. report inquiries for glass unusually brisk, with prospects for a very fair amount of building for the coming season. No large ranges are reported but many additions to present ranges are in prospect. Glass is exceedingly cheap, but indications are for better values; many are buying now on that account.

Poisoning from the handling of roses has been unusually prevalent this winter, F. F. Benthey has had to doctor his hands. In Weiland & Risch's place Nick Risch had to give up the work on that account, and at the present time H. W. Rogers is nursing a very sore thumb.

Guy French, carnation grower for the Poehlmann Bros. Co., was married February 5 to Miss Mary Parker, also of Morton Grove, and the couple have gone to Arkansas on their honeymoon. Mrs. French is a sister of Mrs. John Poehlmann.

Bassett & Washburn, Chicago, drain the rainfall from a large section of their greenhouses to an artificial pond at a great saving in cost of ice. Pond, ice house and rooms for storing and packing flowers adjoin the greenhouses.

The Atlas block is being repainted. This is the Rialto of the wholesale flower trade, and in it or within one-half a square is to be found the entire list of wholesale florists of the city.

It is understood that the executive committee of the National Flower Show will be called by Chairman Kasting to meet in Chicago March 26, the date of the rose show.

This week it was Lincoln's birthday and St. Valentine's Day. Next comes Washington's birthday and then the great southern Mardi Gras festival March 2-7.

Samuel J. Pearce is sending a full wagonload of bulbous flowers to market daily; double Von Sion and yellow tulips are good sellers just now.

The executive committee of the Horticultural Society will be held at 1411 First National Bank building, Monday, at 3 p. m.

C. A. Samuelson has had several big dinners recently, involving quite an extensive use of orchids for table decoration.

Klehm's Nurseries are shipping the Kennicott Bros. Co. some extra fancy La Reine tulips, grown pink.

The Benthey-Coatsworth Co. will try out a few of My Maryland and Mrs. Jardine roses.

E. C. Amling is receiving fine lots of both long and short-stemmed American Beauty roses.

Geo. Reinberg is now cutting some of the finest Easter lilies coming to this market.

Peter Reinberg is now cutting from fine crops of Richmond and Uncle John roses.

The supply houses report unusually large sales of cheap valentine boxes.

C. M. Dickinson, of E. H. Hunt's, has been at home ill since last Saturday.

Visitors: Andrew Peterson, Hoopeston; S. E. Lawrence, Arrowsmith; Herman Hunkel, Milwaukee, Wis.

SOUTH BETHLEHEM, PA.—Charles Vorkeller reports a very satisfactory trade with increase in business over last spring and excellent prospects for the coming spring. He adds, "I have not found it necessary to lower prices."

Bloomington, Ill.

Business continues fairly good. There has been an unusual amount of funeral work, using all surplus flowers. The Florists' Club is still doing business and the boys have not forgotten the Springfield rally on February 18-19.

K.

Ottawa, Ont.

This city has experienced some real winter weather lately the thermometer going as low as 34° below zero, with few exceptions above zero night or day for 10 days. But thanks to the heavy snowfalls lately which banked up the houses nicely outside, the coal bill has been lessened.

The annual meeting of the Horticultural Society was held last month in the town hall. E. J. Mepstead was elected president. The membership of the society is expected to reach 600 this year. The reports of the society were favorably received and showed it in sound condition.

A visit recently to Frank Williams' greenhouses at Rideau Gardens found everything in first-class shape. There is a good assortment of bedding plants and in fine condition. There is one large house devoted to lettuce and another, 10x150 feet, for early tomatoes.

H. Parks opened a store on Rideau street last week.

R. H. Wright is busy grafting roses. C.

Greenhouse Building.

Lincoln, Neb.—C. H. Frey, four houses 28x200 feet each.

Milwaukee, Wis.—M. P. Vallier, two carnation houses.

Auburn, Neb.—F. W. Sultzbaugh, two greenhouses.

Clayton, Mo.—Geo. Hecht, two greenhouses 25x100 feet.

BRAINTREE, MASS.—One of the large greenhouses of Geo. H. Arnold on Middle street caught fire February 4. The blaze started from overheated pipes in the boiler room in the house. It was confined to the building where it started, and damaged that structure $500. Mr. Arnold valued the plants and vegetables at between $2,000 and $3,000.

OFFICES, PACKING ROOMS, ETC., POEHLMANN BROS. CO., MORTON GROVE, ILL.

Main Entrance Seen at Left of Picture; Foremen's Apartments on Right.

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations and all kinds of Seasonable Flowers in stock.

WM. F. KASTING CO. Wholesale Commission Florists.

BUFFALO, N. Y.

Florists' Supplies and Wire Designs.

—THE—

J. M. McCullough's Sons Co.

Wholesale Commission Florists.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Illinois State Florists' Association.

SPRINGFIELD, ILL., FEBRUARY 18-19.

The following is the programme of the third annual convention of the Illinois State Florists' Association, to be held at Springfield, February 18-19:

TUESDAY AFTERNOON SESSION.

"Introductory Remarks," Antrim C. Brown, president Springfield Florists' Club; "Address of Welcome," Hon. Roy R. Reece, mayor of Springfield; "Response," Phil J. Foley, Chicago; "President's Address," Albert T. Hey; "Report of Secretary," A. C. Beal, Urbana; "Report of Treasurer," G. A. Kuhl, Pekin; "Address," E. G. Hill, Richmond, Ind.; "Report of Secretary Advisory Committee Illinois State Florist Experiment Station," W. N. Rudd, Morgan Park; "Floricultural Interests at the University of Illinois," E. Davenport, dean Illinois State University.

The members of the association will be the guests of the Springfield Florists' Club at a banquet at the St. Nicholas hotel, Tuesday evening, 9:00 p. m.

WEDNESDAY MORNING SESSION.

"Summer Bedding," Prof. H. C. Irish, Missouri Botanical Gardens, St. Louis, Mo.; "Our Experiment Stations and What We Have Done," Prof. A. C. Beal, University of Illinois; "Report of Auditing Committee," "Unfinished Business," "New Business," "Question Box," "Election of Officers," "Closing."

The exhibition will be open to the public Tuesday from 4 p. m. to 10 p. m. Hotels: Leland and St. Nicholas.

St. Paul, Minn.

Trade continues good except for an occasional slack day. Stock is rather plentiful, especially bulbous, which is in over supply. Roses are not doing any more than keeping up with the demand and those seen are hardly of as good a quality as might be desired. There has undoubtedly been a considerable saving in fuel this season on account of the very mild weather which has been very unusual. There have been lots of days when plants could have been taken out bare. In fact no wrapping to speak of has been done by those using heated wagons in moving palms. The present outlook for Easter stock is good, especially lilies, of which there will be a lot if nothing happens to them.

The next meeting of the Twin City Florists and Gardeners' Club will be held at the Park greenhouses in Minneapolis Feb. 17, when some very interesting subjects will come up for discussion.

Martin Reukauf, Philadelphia, Pa., was a recent caller. O.

Wholesale Flower Markets

CLEVELAND, Feb. 12.

Roses, Beauty	75@ 6 00
" Bride, Maid	4 00@12 00
" Richmond, Chatenay	4 00@12 00
Carnations	3 00@ 5 00
Lilies	12 50
Lily of the valley	3 00@ 4 00
Violets	50@ 1 00
Asparagus plumosus strings	75 00@100 00
" " per bunch	35c@50c
" Sprengeri, per bunch	35c@50c
Smilax	15 00@18 00
Adiantum	1 00@ 1 50
Common ferns, per 1000	$2 00
Galax, green	1 25
Galax, bronze	1 25
Roman hyacinths	3 00@4 00
Paper Whites	3 00@4 00
Stevia	1 00@ 1 50
Pansies	1 50
Sweet peas	1 00@ 1 50

BUFFALO, Feb. 12.

Roses, American Beauty	7 00@50 00
" Bride, Bridesmaid, Meteor	4 00@15 00
Carnations	2 00@ 4 00
Lily of the valley	3 00@ 4 00
Asparagus, strings	50 00@60 00
Smilax	15 00
Adiantum	50@ 1 50
Lilies	4 00@15 00
Galax, per 1000	$1 50
Ferns, per 1000	2 00
Violets	50@ 1 00
Mignonette	3 00@ 5 00
Narcissus	2 00@ 3 00
Sweet peas	40@ 1 00
Stevia	1 00@ 1 25
Hyacinths	2 00@ 3 00
Freesias	2 00@ 3 00
Tulips	3 00@ 4 00
Daffodils	3 00@ 4 00
Jonquil	3 00@ 3 50
Leucothœe sprays	75
Sprengeri, per bunch	25 50
Asparagus, per bunch	25@ 50

MILWAUKEE, Feb. 12.

Roses, Beauty	75@ 4 00
" Liberty, Chatenay	3 00@10 00
" Bride, Bridesmaid	3 00@10 00
" Meteor, Golden Gate	3 00@10 00
" Perle	4 00@ 6 00
Carnations	2 00@ 4 00
Smilax	$1 50 per doz.
Asparagus, sprays	3 00
" Sprengeri	2 00@ 3 00
Lily of the valley	3 00@ 4 00
Adiantum	1 50
Violets	50@ 1 00
Common ferns	$2 00 per 1000
Harrisii	$2 00 per doz.
Paper Whites	2 00@ 3 00
Romans	2 00@ 3 00
Stevia	1 50@ 2 00
Tulips	2 00@ 3 00
Trumpets	2 00@ 3 00
Daffodils	2 00@ 3 00
Sweet peas	50@ 1 00

ST. LOUIS, Feb. 12.

Roses, Beauty, long stems	2 50@ 3 00
" " medium stems	1 50@ 2 00
" " short stems	2 50@ 1 00
" Bride	4 00@10 00
" Bridesmaid	4 00@10 00
" Chatenay, Richmond	5 00@12 50
" Killarney	5 00@10 00
Carnations, common	1 50@ 2 00
" best	3 00@ 5 00
Smilax	12 50@15 00
Asparagus Sprengeri	1 00@ 2 00
" plumosus, strings	25 00@40 00
" cut sprays	1 00@ 2 00
Ferns, Fancy, per 1000	$2 00
Lily of the valley	3 00@ 4 00
Violets, California	40@ 50
Narcissus	2 00@ 3 00
Callas	12 50@15 00
Sweet peas	50@ 1 00
Roman hyacinths	1 50@ 2 00

CINCINNATI, Feb. 12.

Roses, Beauty	$2 00@$ 6 00
" Bride, Bridesmaid	4 00@10 00
" Richmond	4 00@10 00
" Golden Gate	4 00@10 00
" Ivory	4 00@10 00
Carnations	2 00@ 4 00
Lily of the valley	3 00@ 4 00
Violets	1 00
Daisies	50
Callas	10 00@12 50
Harissii	15 00
Roman hyacinths	2 00@ 3 00
Narcissus	3 00
Smilax	12 50@15 00
Asparagus plumosus and Sprenger in bunches, per bunch	25c
Eastern Ferns, per 1000	$2 00
Galax, Green and Bronze	$1 00

Buffalo Cut Flower Co.

468 Washington St.,

BUFFALO, N. Y.

J. N. BAILEY, Manager.

Y O U

Give us your order. Guarantee satisfaction. We handle only the best

Carnations, Roses, Violets, Valley,

Etc. Also Wire Designs and all kinds of supplies.

600 Asparagus Plumosus

3-inch pots, $5.00 per 100.

Weiland & Olinger,

128 E. Third St., CINCINNATI, OHIO.

Wholesale Growers and Shippers of Cut Flowers.

Greenhouses, NEW CASTLE, IND.

WM. C. SMITH & CO

WHOLESALE FLORISTS.

Bell, Main 2018. Kinloch, Cent. 410.

1316 PINE ST., ST. LOUIS, MO.

H. G. BERNING,

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

RICE BROTHERS

Wholesale Florists and Supplies,

115 N. 6th St., MINNEAPOLIS, MINN.

CUT FLOWERS received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities.

Holton & Hunkel Co.

Wholesale Florists

Milwaukee, Wis.

Imports.

During the week ending February 8 imports were received at New York as follows:

Maltus & Ware, 2 cases trees; 13 cases plants; 1 box, 43 bags seed.

A. Dumont, 1 case plants.

Vaughan's Seed Store, 20 bbls. grasss seed; 1 case seed; 8 cases bulbs.

H. Nungesser & Co., 100 bbls. grass seed.

H. Frank Darrow, 5 bags garden seed.

P. Henderson & Co., 50 bags grass seed.

J. M. Thorburn & Co., 9 bags seed.

Wm. Elliott & Sons, 1 bag seed.

To others, 5 cases plants; 2,079 bags seed; 50 pkgs. seed; 21 bags garden seed; 206 bags agricultural seed; 925 bags clover seed; 1 case seed.

VISITED CHICAGO: Chas. Loechner and H. Suzuki, of the Yokohama Nursery Co.

Spring Flowers SINGLE TRUMPETS, WHITE LILACS, WHITE and YELLOW DAISIES.
SWEET PEAS, PANSIES, TULIPS.
THE LEO NIESSEN CO., Wholesale Florists, 1209 Arch St., Philadelphia, Pa.

Mention the American Florist when writing

Wholesale Cut Flowers Killarneys, Valley, Carnations in large lots at lowest market prices. Consignments solicited of Ivory, Maids and Beauties. Settlements Weekly.
Washington, D. C. JAMES J HARTY & CO., 1312 G St., N. W.

WHOLESALE CUT FLOWERS. Valley, American Beauties, Brides and Maids, Sprengeri, Asparagus Plumosus, Carnations and Violets, all seasonable flowers. Large stock of Stevia on hand can supply you at lowest market prices on short notice. Telephone or telegraph when you need cut flowers to
HENRY M. ROBINSON & CO., 15 Province St., 9 Chapman Place, Boston, Mass.
Tel. Main 2617-2618. All orders will have prompt attention. A trial order will convince you.

Philadelphia.

STOCK IN SHORT SUPPLY.

With the thermometer playing hide and seek with the zero mark, as it has been the past week, the shipments to the market have been somewhat shortened and, as the demand has not increased, things are more evenly balanced. American Beauty roses are not at all plentiful, yet all orders appear to be filled at from $6 to $7.50 per doz. for the specials. Richmond is fine—$15 buy the best except possibly for a few of the extra long. Killarney still continues the favorite over Bridesmaid, some very lovely flowers of the former being seen. Robert Scott & Son are sending in a few of the new rose, Mrs. Jardine, very choice blooms, which are held and seem to sell well at $4 per doz. Carnations are in fair demand and since the cold weather set in are keeping very well; $4 is high for the specials, with the exception of a few of the newer sorts which command more. Pink Enchantress does not seem to come up to expectations. Winsor is, however, very well liked and will likely become a standard sort. Beacon is also a favorite and will be extensively planted next season. Tulips and daffodils are now coming in in quantities and prices rule low, $20 per 1,000 being the figure on large lots. Several of the stores have had special sales of these, advertising them at 50 cents per doz. Freesia is fairly plentiful at from $2 to $4 per 100 sprigs. Sweet peas were never more plentiful or beautiful at this season; 75 cents to $1 per 150 is the price. Forget-me-not is just in time for St. Valentine's Day and some good flowers are seen. Violets are in full supply at 35 cents to 50 cents for the single and 75 cents to $1 for the double.

Preparations are being made for St. Valentine's Day demand, some of the stores making quite elaborate window displays. Pennock Bros. and The Sign of the Rose have their windows quite attractive with heart-shaped baskets and boxes filled with appropriate flowers. Pennock Bros'. birch bark hampers are quite up to date, in fact the whole arrangement of their window is an illustration of up-to-date progressiveness that is hardly equaled by any other store in the country. The Sign of the Rose shows an elaborate dinner table decoration in which a cupid and heart-shaped devices play an important part. A surprise box in which when the telescope lid is lifted the sides of the box fall out flat displaying clusters of choice flowers is the center of attraction in another window.

NOTES.

All signs point to a considerable increase of glass the coming summer. Steven Mortonsen, of Southampton, Pa., is in the lead with a house for growing roses, 43x265 feet. A few years ago this would have been a record breaker but now it is just a good sized house. It will be heated by a No. 14 Kroeschell boiler coming all the way from Chicago.

The commission are all booking considerable orders from out of town. The Leo. Niessen Co. say they are having a run on choice spring flowers such as sweet peas, freesias, pansies and bulbous stock. Acacia is now a leader with them, fine sprays of this lovely flower being handled in quantity.

Wm. McKissick's force is kept on the go with the stock of carnations, roses and spring flowers in full assortment. Pussy willows are a strong card just at present.

Myosotis, the great St. Valentine's Day favorite, is well to the front with Edward Reid; one of his growers has a fine lot from which he is cutting very fine sprays.

John McIntyre's growers are having their largest cut of single violets at present and he is still crying for more.

K.

Buffalo.

TRADE QUIET.

Weather conditions the past week have been about as wintry as any in a great many years. Heavy snow, zero temperature and blizzards have been our portion for a week. With this to contend with trade has been quiet, while the supply has been good. Owing to the very cold day on January 29, carnations for McKinley Day did not sell any too well.

NOTES.

About 25 employes of the different stores and greenhouses met at Kasting's hall, February 7, then adjourned to Schlayer's alleys, where a bowling match was played between two teams captained by Edward Slattery and W. A. Adams, the former being the winners, with scores by some that entitle them to the name of champions, while the scores of the others were so small that one could hardly see them. But bowling was not all that the assemblage did. A meeting was called, and, as the crowd was so enthusiastic, it was decided to go into the Florists' Club and help to get the club livened up with the new blood. It certainly was astonishing to see the material at that meeting who were only waiting for an opportunity to get together and form an association with a good man to read a paper occasionally and a night given over to jollification. It will not be long before some representative of Palmer's, Scott's, Anderson's or some one of our enterprising stores or greenhouses will be called upon to read papers before other clubs, as they are certainly wide awake and hustlers. When the S. A. F. meets in August, there is every indication that this city will again be represented with a bowling team, baseball or any other game that will be played.

Wm. F. Kasting is in Erie, Pa., looking after the ice cutting at his big ice house. But before leaving he cut some in this city by being appointed one of the appraisers for the extension of Elmwood avenue, which commission is a very honorable one and one that several were suggested for.

W. J. Palmer, Jr., is serving the county now on the supreme court jury.

S. A. Anderson and wife were in Pittsburg, Pa., last week.

Visitors: J. E. Killen, Toronto, Ont.; C. B. Knickman, of McHutchison & Co., New York; Arthur Zirkman, of M. Rice & Co., Philadelphia, Pa., and M. Beattus, of the Dayton Novelty Co., Dayton, O.

BISON.

SILVER CITY, N. M.—Mrs. A. J. Adams says that business is keeping up well considering the depression in money matters generally.

CARNATIONS, TULIPS, ROSES.

Very Fine. White, Yellow, Red. Finest Quality.

Pittsburg Florists' Exchange, 15 Diamond Square, Pittsburg, Pa.

NOW READY

to fill orders for AMERICAN BEAUTIES, LILY OF THE VALLEY, CARNATIONS, and all varieties of TEA ROSES in lots of one hundred to one thousand at short notice. Get our prices before ordering elsewhere.

WELCH BROTHERS, 226 Devonshire St., BOSTON, MASS.

Asparagus Plumosus Nanus Plants

From 2¼-inch pots.
$3.50 per 100, $30.00 per 1000.

W. H. ELLIOTT, Brighton, Mass.

Pittsburg Cut Flower Co.
(Limited)
WHOLESALE FLORISTS
222 Oliver Ave. PITTSBURG, PA.

CARNATIONS in quantity. Special prices on large orders.
ABSOLUTELY THE BEST POSSIBLE SERVICE.
W. E. McKissick
WHOLESALE FLORIST,
Business Hours 7 a.m. to 8 p.m. 1619-1621 Ranstead St., PHILADELPHIA, PA.

J. B. Murdoch & Co.
714 Penn Avenue,
PITTSBURG, PA.
All Seasonable Flowers.

YELLOW DAISIES
$15.00 and $20.00 per 1000.
JOHN W. McINTYRE,
1601 Ranstead St., PHILADELPHIA.

Pittsburg.

STOCK OVER PLENTIFUL.

The few days sunshine brought out an abundance of everything, especially carnations; prices fell quickly and carnations are quoted at very low figures, wholesalers taking anything to make a sale. The only redeeming feature is a good demand for white. There is a noticable absence of extensive floral decorations at all the social events. This is especially hard on the sale of bulbous stock which is used so much on tables. Lilies are coming in stronger but are of poor quality. There is a scarcity of Asparagus plumosus, while A. Sprengeri is very plentiful.

The decision at the previous meetng February 4, was by far the largest and most enthusiastic that club has yet held.

The decision at the previous meeting to award prizes brought most every one out. It was carnation night and all who had been to Washington the week before declared the show here was fully up to that, excepting the new varieties. A first and second prize certificate was awarded to the best 50 each of white, red, Enchantress shade, Winsor shade, and deep pink. The club was fortunate in securing the services of Walter Breitenstein and John Murchie as judges. The following is the prize list:

White.—F. H. Westhoff, De Haven, first, with a magnificent vase of White Perfection; S. J. Hatch, De Haven, second.

Red.—F. H. Westhoff, first, with a vase of long stemmed Robt. Craig; Finleyville Floral Co., Finleyville, second, with Beacon.

Pink.—A. T. Lorch, De Haven, first, with Lawson; F. H. Westhoff, second, with Aristocrat.

Light Pink.—Fred Burki, first, with Winsor; J. L. Wyland, De Haven, second, with Rose Pink Enchantress.

Enchantress.—Fred Burki, first; J. L. Wyland, second.

old.

N. C. Madsen had a fine collection of primulas, his Gigantea strain, being the largest ever seen here. His floribunda (yellow), Sinensis (red) and oculata (dwarf) were much admired.

W. Price, gardener for G. M. Laughlin, showed some extra good cyclamens and genistas.

Dr. Shaffner had some very nice orchids including Odontoglossum crispum, O. Coradenei, O. tripudians and O. Andersonianum. He states he has been very successful growing these in this vicinity. The subject for the next meeting is bulb flowers, with a display.

H. L. Blind & Bros. have bought a large lot on Center avenue and are thinking of moving their Fifth street store there.

The Pittsburg Florists' Exchange is receiving a grade of choice carnations which sells well in spite of the glut.

By the reports from E. C. Ludwig, who is wintering in California, he certainly is enjoying himself.

W. R. Rhea has opened a flower store in New Kensington. J.

Wholesale Flower Markets

PHILADELPHIA, Feb. 12.

Roses, Tea	6 00@ 8 00
" " extra	12 00@15 00
" Liberty	10 00@25 00
" Queen of Edgely, extra	50 00@75 00
" " " first	25 00@40 00
" Beauty, extra	50 00@75 00
" " first	25 00@40 00
Carnations	2 50@ 6 00
Lily of the valley	3 00@ 5 00
Asparagus, bunch	50 00
Smilax	15 00@20 00
Adiantum	1 00@ 1 50
Violets, single	50@ 75
" double	1 00@ 1 50
Cattleyas	50 00@60 00
Cypripediums	5 00
Lilium Harrisii	12 00@15 00
Mignonette	3 00@ 6 00
Sweet Peas	75@ 1 00
Freesias	2 00@ 4 00
Gardenias	35@ 50

PITTSBURG, Feb. 12.

Roses, Beauty, specials	40 00@50 00
" " extras	25 00@35 00
" " No. 1	10 00@15 00
" " ordinary	6 00
" Bride, Bridesmaid	6 00@12 00
" Chatenay	6 00@12 00
" Richmond	6 00@12 00
" Perle	6 00
" Killarney	6 00@15 00
Carnations	2 00@ 4 00
Lily of the valley	4 00
Smilax	12 50
Asparagus, strings	50 00
" Sprengeri	3 00@ 4 00
Lilies	12 50@15 00
Adiantum	1 00@ 1 25
Violets	50@ 75
Cattleyas	60 00@75 00
Paper White Narcissus	2 00@ 3 00
Romans	2 00@ 3 00
Sweet peas	50@ 1 00
Tulips	2 00@ 3 00
Freesias	2 00@ 4 00
Daisies	1 50@ 2 50

BOSTON, Feb. 12.

Roses, Beauty best	35 00@50 00
" " medium	20 00@25 00
" culls	6 00@12 00
" Bride, Bridesmaid	1 00@ 2 00
" Extra	4 00@ 8 00
" Liberty	8 00@12 00
Carnations	1 00@ 3 00
" Fancy	3 00@ 5 00
Smilax	8 00@12 00
Adiantum	75@ 1 25
Asparagus	35 00@ 0 00
Harrissi	10 00@12 00
Callas	8 00@12 00
Stevia	1 00@ 1 50
Daffodils	2 00@ 4 00
Narcissus	1 00@ 3 00
Sweet peas	50@ 1 00

Plant Notes.

ROSE KILLARNEY, the ladies' favorite, continues to increase in popularity.

J. W. McINTYRE, the Philadelphia commission man, solicits shipments of good forcing lilac.

NEPHROLEPIS AMERPOHLI has been given an award of merit by the Royal Horticultural Society of England.

HYDRANGEA SNOWBALL (H. arborescens alba grandiflora) is being forced in quantity for Easter flowering by J. S. Wilson, of Vaughan's greenhouses, Western Springs, Ill.

SMILAX growers in England are being troubled by an insect that appears to be nearly related to red spider, but is more destructive and very fecund. Fumigation with hydro-cyanic acid gas is recommended for its destruction.

Twenty Years Ago.

Adiantum cuneatum grandiceps was among the novelties.

Madame de Watteville tea rose was being largely forced in New York.

A children's play house was erected in Golden Gate park, San Francisco, at a cost of $35,000.

The first number of Garden and Forest was issued.

Vanda cœrulea was rapidly coming into favor as a florists' orchid.

Overhead piping in greenhouses was coming into favor.

The Socicty of Minnesota Florists was organized at St. Paul, with 34 chartered members.

Cypripedium insigue was largely grown in the east for cutting from.

New York.

TRADE DULL.

The weather the past week was changeable, and, at times, disagreeable; nobody familiar with the ways of the wholesale district, expects it to advertise its prosperity, but there was abundant evidence of dullness. Good roses were rather scarce and kept moving better than other stock, but carnations and bulbous stocks piled up high. The cold winds put the street men temporarily out of business, or turned them into hot dog and roast chestnut channels, which offer no clearing house for surplus violets. While the retailers are buying much stock at practically their own prices, they would cheerfully pay more if they could see better business.

NOTES.

The twenty-first annual dinner of the Florists' Club will be held on the evening of February 29, at the St. Denis hotel, Broadway and Eleventh street, at 7 p. m. The price of tickets is $5 each to members and their guests. All are cordially invited to attend and their prompt acceptance is requested. Contributions of flowers for the decoration of the tables will be welcome and may be sent to W. F. Sheridan, 39 West Twenty-eighth street.

John Nathaniel Hauser, aged 18 years, a son of L. A. Hauser, a wholesale dealer in the Coogan building, has been appointed a cadet at West Point military academy and will enter on his scholarship early in March. In a competitive examination, in a class of 165, for a Cornell University scholarship, a short time ago, this young man passed No. 1, and he has also made a high average in the examination for West Point.

On February 8, Wernz & Koehne, of 61 Fifth avenue, executed a handsome wedding decoration in Grace Episcopal church. This is one of the most noted churches of the city and these young men are to be congratulated that their clientage extends to its members.

Carl Stumm of 237 Fourth avenue, who was closed up for a time on account of the insecurity of the ruins of the burned Parker building, is again doing a good business, and has very nice offerings in floral valentines.

Louis M. Noe, of Madison, N. J., visited the wholesale district, February 28. He has a large American Beauty rose range at Madison, also a large dairy. He says that just now, cows are better property than roses.

Joseph S. Fenrich is handling fine stocks, notably Richmond roses and sweet peas. He gets his peas from Charles H. Totty, of Madison, N. J., who grows everything well that he undertakes.

The new firm of D. Smith & Co. is showing a fine line of carnations, tulips and narcissi. In green, their strings of smilax are of a length and quality that should delight the heart of the decorator.

Up in the Coogan building, the American Beauty roses and Winsor carnations that are being shipped in from F. R. Pierson Co.'s range at Scarboro, are stars of the first magnitude.

The new Fleischman baths were opened February 6, Mr. Fleischman having arranged a fine entertainment to the press and private friends.

John Young's Cottage Gardens carnations are just now noteworthy features of the Twenty-eighth street end of the wholesale district.

It is expected that St. Valentine's Day will bring good business, notwithstanding dull times and a great army of unemployed.

Mrs. John J. Raynor is well on the road to complete recovery from a recent attack of pneumonia.

James Coyle, head salesman for H. E. Froment, is wrestling with the grip.

J. K. Allen is still suffering from the grip.

New York Florists' Club.

The regular monthly meeting of the club was held in the Murray Hill lyceum on the night of February 10 with a large attendance. The feature of the evening was the lecture of J. Thomas Withers on "Tree Doctoring." Mr. Withers' lecture, which was illustrated by stereopticon views, was very interesting and instructive and was well received by the members of the club. The lantern slides showed many fine views of shade and forest trees and various methods for the preservation and protection of trees. At the close of the lecture a number of questions were asked and there was a general discussion, in which Messrs. Scott, O'Mara, Hallock, Janecke and others participated.

The report of the committee on closer relations with the Horticultural Society of New York, which has been under discussion at the last two meetings, was finally adopted and the committee discharged. The report recommends that as many members of the club as feel that they can do so, unite with the Horticultural Society. Appropriate resolutions on the deaths of Victor S. Dorval, Sr., long a member of the club, and Mrs. A. M. Henshaw, the wife of a prominent member, were adopted.

Harry O. May, of Summit, N. J., exhibited pink seedling carnation No. 20, one of W. A. Manda's productions. Nicholson & Grassl, of Barneveld, exhibited Wa-No-Ka, a fine crimson carnation which was much admired. H. A. Jahn, New Bedford, Mass., exhibited his white carnation Lloyd, which showed up in good form. William Sim, of Cliftondale, Mass., exhibited fine blooms of his new violet Boston. F. G. Mense, of Glen Cove, exhibited a vase of fine blooms of the Princess Louise violet. Willis C. Hamilton, of Belfast, Maine, exhibited blooms of a pink chrysanthemum. Chairman Sheridan of the banquet committee made announcement of that coming event to an interested audience.

Keeping Gladiolus Bulbs.

ED. AMERICAN FLORIST:—

In reply to the inquiry as to the best method of keeping gladiolus bulbs at this season of the year I would say that if they have been wisely cared for up to this time there need be little difficulty, although it is true this is the time when trouble generally appears. It is very desirable that the drying process should go on without interruption, as soon after harvesting as may be. Not that the corm will not keep, under certain conditions, even though they remain wet, but there is almost always need for a further maturing and ripening process after digging. This is expedited by warmth and drying out, and contributes largely to the keeping qualities of the bulbs. A corm, even though immature, may pass the winter in good condition if left in situ, and protected only from frost, but it will hardly do this if it is dug and kept in a cold, wet state. The reason for this is that the corm, after being dug, is necessarily exposed to atmospheric influences, attack of germs, spores of mold, etc., from which it would have been protected if left where it grew. Stored corms, then, while presumably safe from freezing are subject to other vicissitudes, from which it requires care and watchfulness to protect them.

In general, they must not be exposed to extremes of heat or cold, of dryness or moisture, and should be fairly ventilated, or exposed to the air, as the results of improper conditions will become more apparent from this time of the year onward to time of planting. Usually they are stored in cellars, where the atmosphere is confined and has a tendency to be damp and cold. This condition will impair the vitality of the bulbs and probably induce decay. A well lighted and ventilated cellar with a furnace or stove in occasional or constant use, is an excellent storage room. But here the opposite extremes of heat and dryness are to be guarded against.

If the bulbs are too cold and wet they will decay. If too cold and dry the black spot, or some other fungus or mold, will appear. If too warm and wet, growth will begin, which is fatal to good result in the field. While if too warm and dry the bulbs will shrivel and shrink, losing vitality in the process. Frequent inspection will determine their condition and point out the proper course to follow. They can be very well wintered spread out in trays or racks, or on wide shelves four or five inches deep, or in baskets suspended from the cellar joists, or in the common potato crates filled about half full. A plan I usually follow in the later winter months is to carry the bulbs outdoors, on a fine, sunny day, when there is no danger of freezing, and spread them out for an hour or two in the sun, to aerate and freshen them up. This brightens them up greatly after a long period in close confinement. They need careful attention at this time, but if properly cured at the beginning of the season the difficulty of keeping them through successfully is greatly reduced.

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Wholesale Flower Markets

NEW YORK. Feb. 12.

Roses, Beauty, special	60 00	@75 00
" " fancy	40 00	@50 00
" " extra	20 00	@30 00
" " No. 1	10 00	@15 00
" " Nos. 2 and 3	1 00	@ 6 00
" Richmond	2 00	@15 00
" Bride, Bridesmaid, G. Gate Special	8 00	@10 00
" No. 1	3 00	@ 5 00
" No. 2	2 00	@ 3 00
Carnations, fancy		4 00
" common	1 00	@ 2 00
Lilies	8 00	@10 00
Lily of the valley	1 50	@ 2 00
Asparagus plumosus strings	30 00	@50 00
" per doz. bunches	2 00	@ 3 00
Smilax	8 00	@10 00
Cattleyas	35 00	@50 00
Cypripediums	8 00	@10 00
Violets		20@ 50
Gardenias	5 00	@20 00
Callas, per dozen	1 00	@ 1 50
Paper White Narcissus	1 00	@ 1 50
Roman hyacinths		50@ 75
Mignonette, per doz.	50@ 75	
Jouquils	1 00	@ 2 00
Sweet peas		50@ 1 00
Tulips	1 00	@ 1 50
Freesias		40@ 50

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CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

St. Louis.

CARNATIONS GOOD.

All kinds of flowers with the exception of roses have been plentiful. Carnations, bulbous stock, lilies, violets, etc., have been in full supply with prices on the decline though very low prices have not as yet been reached on anything. It is expected that quite a demand for flowers will be called for on St. Valentine's Day, especially violets. Some very fine carnations are now in but roses do not seem to increase any. After Lent is in, roses it is expected with fair market will stand to bloom and then we may look out for a glut. Von Sion and other narcissi are getting plentiful, but as yet have moved fairly well. Smilax, Asparagus Sprengeri and A. plumosus are selling well. There has been quite a demand for wild smilax. Freesias are also coming in plentifully.

NOTES.

The Horticultural Society, in seeking a good location in which to hold its spring flower show, should bear in mind the large vacant buildings in the heart of the city caused by the western movement in trade circles. A good location and suitable building can surely be secured, especially considering the high standing of most of its officers and members. Let them get a hustle; we want the best and biggest show ever given here.

During the recent sleet storms, the good work of the forestry department showed itself. Hitherto after a blizzard the streets were strewn with dead trees and limbs of trees, now, owing to Andrew Myer, Jr.'s, ordinances requiring the cutting out of all dead wood, the streets are entirely freed of litter.

Young & Sons had a fire at their store Monday afternoon, some excelsior in the basement taking fire. It was quickly extinguished without loss. They have a very fine assortment of white and pink azaleas. They had the decorations at the second annual ball given by the Imperial club.

R. F. Donnell of Springfield, Ill., was in the city on behalf of the Springfield Florist Club, boosting up the floral exhibition to be given by the state society, February 18-19. It is expected quite a few will visit the show.

The Florists' Club will hold its monthly meeting on Thursday. Carnations will be the feature and a large attendance is expected.

Chas. C. Young, eldest son of James Young, will be married to Miss Katherine Courtney, February 22.

St. Louis Seed Co. is very busy with mail orders, disposing largely of seeds, canary birds and goldfish.

Geo. Hecht of Clayton is building two houses 25x100 to raise carnations, violets and sweet peas.

Chas. Hecht has three houses in which he grows carnations and violets.

W. F.

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Toledo, O., Florists on an Outing.

To stimulate more life in our club, which seems to have fallen in a long winter sleep, J. L. Schiller suggested the visit to some of our nearby out-of-town and local growers, and as the idea found sanction among the members, a trip to Tiffin and Fostoria was decided upon.

February 9 found eight members, led by our president, ready to go to Fostoria, where friend Sackett met us and joined us to Tiffin for a visit to Ullrich's greenhouses, which are now conducted by the late Lewis Ullrich's three sons. Ullrich's place has always had among us the reputation of an exceptionally clean place, and we were certainly not disappointed. This plant consists of several small houses and one up-to-date large house about 40x250 feet, in all about 75,000 feet of glass. Whatever a retail place demands is grown, while carnations and roses are mainly for shipping business. The roses were off crop, but looked very good and one could see that heavy cuts have been made. The main varieties are Bride, Bridesmaid, Perle and Meteor. The carnations also looked well, consisting principally of White Perfection, Boston Market, Enchantress and Mrs. T. W. Lawson, all in good condition. Good callas, violets and exceptionally good mignonette and antirrhinum were also there in limited quantities. The cold storage houses for bulbs and cut flowers were of great interest to our boys and the apple-pie order in which every tool and supply was found was highly commented upon.

Refreshments were served and the city store, recently opened, was inspected and found also up-to-date, as good and elaborate as many a high tone affair in a large city. The Ullrich boys then led us to a hotel, where an elaborate dinner awaited us. They gave us a treatment which has engraved their names in our hearts for a long time to come.

We then took our car back to Fostoria, accompanied by the Ullrich boys and we found here in the greenhouses of the Fostoria Floral Co., E. R. Sackett, proprietor, another treat. Sacket is specially fortunate with Golden Gate roses. Flowers on long, strong stems are cut in a very large proportion, as are also Bride and Bridesmaid. Enchantress carnation is grown here to perfection, one house was a sight, flowers perfect and of very good color, and all other carnations were of first quality as well. Roses and carnations are the main specialties here and besides, mixed stock for home trade is grown as much as needed. Sackett's place covers about 60,000 feet of ground and four more houses will be built this spring. The material has all been ordered and is expected to arrive shortly. Sackett wants to have his houses all planted by June 1.

Refreshments were served and unfortunately our time drew to a close, and we had to depart, but we did so with our hearts full of good feeling for our hosts. Try it, brother florists, and see how much nearer you can come together in good fellowship. We hope to derive lasting benefits from it for everybody.

SCH.

NEWPORT, R. I.—If the plans of the Horticultural Society are carried out before another winter it will have a large hall for its own use. For some time the society has been hampered for room when at its exhibitions, none of the city's halls being large enough to permit a proper display and the members of the organization are talking of erecting a hall of their own. The society has again decided to have a strawberry and rose show in June.

They Like It.

AMERICAN FLORIST CO:—

Many thanks for paper. Please send it regularly.

FRED ULLMAN.

Edgewood, Ia., February 5, '08.

ASPARAGUS, BOSTONS, AZALEAS,

Plumosus Nanus, 2½-in., $3.50 per 100, $30.00 per 1000; 3-in., 6c; 3½-in., 10c; 4-in., 12c; 5-in., 20c; 6-in., 30c. Comorensis, 2-in., 2c; 2½-in., 3c; 3½-in., 6c. Sprengeri, 2½-in., 3c; 3½-in., 8c; 4-in., 10c. Bostons, 2½-in., 4c; 3-in., 8c; 4-in., 15c; 5-in., 25c; 6-in., 40c; 7-in., 65c; 8-in., $1.00 to $1.50; 10-in., $1.50 to $2.00.

Azaleas. We are now booking orders for Xmas delivery. Write for prices. Our stock is the best in the west and well budded too.

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WILLIAM L. ROCK Flower Co.,

Will carefully execute orders for Kansas City and any town in

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J. A. VALENTINE, President.

Muskogee, Okla.

The Muskogee Carnation Co.

Wholesale and Retail in Cut Flowers.

We grow all our own Cut Flowers. Funeral work orders our specialty. Wire or mail order. Prompt attention.

Kansas City, Mo.

GEO. M. KELLOGG,

906 Grand Avenue,

KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

Buffalo, N. Y.

Palmer's

W. J. Palmer & Son, 304 Main St

TYPICAL CALIFORNIA ONION SEED FIELD.

The Seed Trade.

American Seed Trade Association.

Geo. S. Green, Chicago, Pres.; M. H. Duryea, New York, First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-sixth annual convention, June 23 to 25, at Hotel Ponchartrain, Detroit, Mich.

BARTELDES & Co., of Lawrence, Kans., carry a good line of tree seeds.

VISITED CINCINNATI.—A. J. Pieters, Hollister, Calif; C. R. Kimberlin, Santa Clara, Calif.

LOUISVILLE reports red and white onion sets scarce and yellows selling at about $2 per bushel.

COUNCIL BLUFFS, IA.—Burglars entered the offices of Shugart & Ouren recently but were unable to find any booty.

GRASS SEED contract prices on the board of trade at Chicago, February 11, are noted as follows: Prime Timothy, $4.85; medium red clover, $19.30; choice white clover, $14.50.

NASHVILLE, TENN.—L. H. Hitchcock & Son, seedmen here, say: "The seed business opens well, notwithstanding the so-called hard times. Seeds are higher than ever before, but the farmer seems to have the money to pay for them, and does not regret parting with his money to secure the seeds he wants."

MEMPHIS, TENN.—Seedsmen here are looking forward to good business this spring, on account of the high price which cotton is bringing. The Otto Schwill Co. has taken the store next door, making an extensive addition to its plant on Front street. Joe L. Ullathorne left for Springfield, Ill., February 10.

BIRMINGHAM, ALA.—The Amzi Godden Co. finds trade somewhat slower because of the severe cold weather, and quite contrary from February of last year. This firm found no falling off in the demand for flower seeds or ornamental stock, but rather an increase. Customers are somewhat disposed to delay orders on account of money matters and late season.

(See also page 143.)

Braslan Seed Growers' Co.

Growers for the Wholesale Trade Only.

SAN JOSE, CAL.

Seed Crop Outlook in California Feb. 1, 1908.

This season, up to January 22, the weather has been mild on the Pacific coast, with no drying north winds and with a very moderate rainfall. This, however, has been sufficient since the conditions have given the crops the full benefit. The rain has also fallen at frequent intervals, enabling the growers to push steadily on with planting. Since January 22, the temperature has been somewhat lower, which has been welcomed by nearly all growers, as some crops have been developing too rapidly. More rain has since continued to fall and the fields have been too sticky to permit of any working in them, but this is a benefit rather than otherwise, as the rainfall is needed and the planting of seed crops is about finished.

Sweet peas are all planted and up. Onions are all set with the exception of a few odds and ends and lettuce planting is well along. There is really no hurry about this item until March 1. Radish, carrot, parsnip, salsify, etc., are all set and growing. Cucumber, tomato and tender flower seeds; also any other crops that light frosts will injure and kill are either now being started in cold frames or will be planted later in the open ground after danger from frost is past.

The total acreage of seed crops in the Santa Clara valley for 1908 will approximate 5,000 acres. The acreage of sweet peas and lettuce sown this year will equal that of each of the past two years and may be some larger. The onion area harvested in 1906 approximated 2,500 acres, in 1907 1,500 acres, and that planted for 1908 crop something over 2,000 acres. The acreage actually harvested will of course depend upon weather conditions between now and harvest time.

This winter some of the smaller growers of onion seed have set as low as one-fourth their usual acreage, while others have planted the full usual amount. The two largest growers have their usual acreage about full. With the exception of the onion the acreage of seed crops planted this year would seem to be a full average and on some items above the usual amount.

Some California onion seed growers had onion bulbs grown in Oregon the past year and are highly pleased with the result, having received good medium sized, hard and well ripened bulbs. Some experiments have been made with growing onion seed in the Salinas valley. There is a diversity of opinion, but a large majority of the California growers are agreed that it is not a suitable location.

It is reported that the new Spencer types of sweet peas cross fertilize badly owing to the open character of the flowers. Also that they are shy seeders and, when bred to increase the yield of seed, revert to the older types.

The Dreer-Burpee Dispute.

ED. AMERICAN FLORIST:—

We are glad to inform you that the unfortunate differences which have arisen between our houses have been amicably adjusted, and we hope for the good of the seed trade.

Yours very truly,
HENRY A. DREER,
W. ATLEE BURPEE & Co.
Philadelphia, Pa.

Rogers Brothers,

SPECIALTY GROWERS.

Purest Strains GARDEN PEA and BEAN SEED.

For the Wholesale Trade. **ALPENA, MICH.**

Mention the American Florist when writing

To the

Jobbing Trade Only

WM. HAGEMANN & CO.

ITEMS:

French Bulbs,
Japan Lilies,
High Class Valley,
Lilium Harrisii.

Booking Orders Now.

55 Dey St., NEW YORK.

Mention the American Florist when writing

SEED TRADE NOTES

Seedsmen at Canners' Convention.

Among those in attendance at the Canners' convention at Cincinnati, O., were A. T. Terrel, Saginaw, Mich., W. H. Grenell, Pierrepont Manor, N. Y., Hogg & Lytle, Port Hope, Ont., C. B. Coe, of D. M. Ferry & Co., Jerome B. Rice, Jerome B. Rice, Jr., N. B. Keeney, John C. Leonard, Rogers Bros., T. F. Woodruff, Arthur B. Clark, C. S. Kunz, S. M. Isbell and Henry Bertoli; W. W. Barnard and one representative Leonard Seed Co., four representatives Albert Guttman, Manitowoc, Wis.

Seed growers report booking all the orders they cared to take for Alaska at $2.25 to $2.75; probably the average of the business was about $2.50. Wrinkled sorts were taken on at 25 cents per bushel higher. Surprise was in fair demand. The canners bit greedily and every seller came away well booked up. Spot Alaskas sold slowly as low as $3.50, while Horsfords and Advancers were offered at $4.25, possibly $4.

LOS ANGELES, CAL.—Four inches of rain fell last week; it was badly needed.

VISITED CHICAGO.—Albert Guttman, Manitowoc, Wis.; C. N. Keeney, Leroy, N. Y.

GREGORY & Son, Marblehead, Mass., list their Improved Yellow Globe onion seed at $6 per pound; this looks like old times.

L. L. MAY & Co., St. Paul, Minn., find the trade ahead of last year owing to the fine weather in January. They look for an early season and a short one.

INDICATIONS point to double the usual acreage of canteloupes says the Fruit Trade Journal. Arizona and California districts are doubling their plantings.

THE JOHN A. SALZER SEED CO., La Crosse, Wis., reports its mail trade 10 per cent ahead of last year and less of a tendency on the part of buyers to ask for special quotations.

LOUISVILLE growers are getting about $1.90 per bushel for onion sets this week, while dealers are asking $2.25. Louisville Hybrid seed of 1907 growth is offered at 75 cents per lb.

ROCKFORD, ILL.—R. H. Shumway reports his mail trade very good, returns averaging $1,000 per day. Another catalogue firm, offering Red Wethersfield onion at a low rate is said to be sold out and can hardly buy at wholesale to meet his retail rates.

CLEVELAND, O.—The trade will regret to hear that fire in the Plain Dealer office here, February 2, destroyed 90 per cent of A. C. Kendel's catalogues, all his electro plates and three-fourths of the electro cuts, delaying the mailing of the catalogue about 10 days.

LAWRENCE, KANS.—Barteldes Seed Co. reports increased orders with increased money value over the first week in February, last spring. The trade is running so far pretty heavily to vegetable and field seeds still with a liberal demand for novelties well exploited in the catalogue.

C. R. KIMBERLIN started his eastern trip with an experience in a serious railroad accident the first hour out, in which 30 persons were injured or killed. At Chicago he had a three days' attack of the grip. He reports the contract seed demand good, justifying, he says, an advance in onion prices.

NEW YORK.—Frank M. Duggan, with Rickards Bros., now proprietors of the Bridgeman Seed warehouse, 37 E. Nineteenth street, lately celebrated the twentieth anniversary of his connection with this house. Mr. Duggan came to this country in 1888 after serving an apprenticeship with McKenzie & Sons, Ltd., of Cork, Ireland. He has been with the Bridgeman house ever since.

Asparagus Plumosus Robustus Seed.

NEW CROP JUST HARVESTED. Prime plump seed from vigorous young plants only.

Price: $1.25 per oz.; $15.00 per lb., post free. Cash with order.

THOS. H. WOOD, Tropical Seed Merchant and Nurseryman. **Brisbane, Queensland, Australia.**

W. J. Eldering & Son,

Wholesale Bulb Growers and Dealers.

OVERVEEN. HAARLEM. HOLLAND.

Headquarters for High Grade **Hyacinths, tulips** and **Narcissi.** We do not sell at Retail. Write for special quotations on large quantities.

A. J. PIETERS SEED CO.

Growers for the

Wholesale Trade.

Ready to quote on 1907 surplus and 1908 contracts.

HOLLISTER, - CAL.

VAN ZANTEN BROTHERS

Royal Netherlands Bulb Nurseries and Export Trade.

HILLEGOM, HOLLAND.

Wholesale growers of the leading sorts of Hyacinths. Tulips, Narcissus Crocus, Spiræas, Gladiolus, Pæonies, etc., etc. We further ask your attention to our superior quality and special prices of French Bulbs, Roman Hyacinths, Paper White Gr., etc. Ask quotations from our traveler

MR. G. HYLKEMA,

care of Messrs. Maltus & Ware,
14 Stone St., NEW YORK.

Who will also send you, on demand, catalogue and special prices of all

HOLLAND BULBS AND PLANTS.

S. M. ISBELL & CO.

JACKSON, MICH.

Contract Seed Growers,

Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.

Correspondence Solicited.

Write for Prices on Surplus Stocks for Immediate Shipment.

H. WREDE,

LUNEBURG, GERMANY.

PANSY SEED

175 First Prizes, the highest awards Chicago. Paris London, Dusseldorf.

1000 Seeds, finest mixed....25c
1 oz. " " " ..$2.25

Price List on application. Cash with order.

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower

Specialties: Lettuce, Onion, Sweet Peas, Aster Cosmos, Mignonette, Verbena, in variety. Correspondence solicited.

C. C. MORSE & CO.

SEED GROWERS

Address all communications to our permanent address

48 to 56 Jackson St., SAN FRANCISCO.

ONION, LETTUCE, SWEET PEAS, and other California Specialties.

Peas AND Beans

Alfred J. Brown Seed Co.,

GRAND RAPIDS, MICH.

We have a limited quantity of

Early Evergreen and Country Gentleman SWEET CORN SEED

For sale. Prices and samples furnished upon application.

MOSBAEK GREENHOUSE CO., Onarga, Ill.

Heller's Mice-Proof Seed Bin No. 1783-B.

Heller's Mice-Proof Seed Cases and Bins

Send for Circulars.

Heller & Co.

Montpelier, Ohio, U. S. A.

FORMOSA LILIUM LONGIFLORUM
Ends the growers' trouble; absolutely free from disease.

Lily-Bulb Culture in the United States.

Extracts from a bulletin issued by the Bureau of Plant Industry, Department of Agriculture, Washington, D. C.

Disease in Imported Bulbs.

At the present time Bermuda is the main source of supply of Easter lily bulbs for the United States. The mild winter climate of the island is very favorable to the growth of these lilies in the open air, but the area of arable land is limited and many of the farms are so small that alteration of crops is not practiced with lilies, onions, and potatoes, which are the staple crops.

As a result of these conditions and the fact that careful selection is not practiced the vigor of the lily bulbs produced is lessened and weak plants are produced from them. As a consequence the plants grown from Bermuda bulbs in greenhouses in the United States are in a very unsatisfactory condition. In many cases from 50 to 75 per cent of the plants are diseased to such an extent as to be practically unsalable; in fact, they are so seriously affected that many florists would willingly give up their cultivation altogether were it not that their patrons demand the lily in its season. The problem how and where to produce the bulbs within our own borders therefore confronts those who would continue in this industry. That this has led to efforts being made in this direction by the department, by seed firms and others in various sections of the United States with results more or less unsatisfactory does not prove the impossibility of ultimately solving the problem by continuing the experiments as now carried on. By abandoning the propagation of lilies as practiced heretofore and adopting methods more likely to lead to a radical elimination of the disease, the principal drawback to lily-forcing, much would be gained, it is believed, toward rendering all further experimentation of practical value. This accomplished, the difficulty of finding localities in one or several of our states, where conditions of climate and soil favor the mass-production of marketable lily-bulbs, would not be so great. It is to this end the bureau of plant industry has undertaken to demonstrate by carefully conducted trials that success is to be looked for only in a first start with seedlings. The first step in an extended chain of subsequent trial cultures was the raising of lily-seedlings in the department greenhouses, and from these several pounds of seed resulted. This was distributed on the Pacific coast and in Florida. The seedlings grown in California showed conclusively that with liberal treatment first-class bulbs can be grown by this method much more quickly than by asexual propagation. The plants are almost free from disease. A few plants show it here and there in first generation seedlings, but in the second and third generations it is difficult to find an affected plant. These results have been so encouraging to practical men on the coast that several are now engaged in getting up a stock of seedlings upon a large scale.

Suitable Localities for Lily Bulb Growing.

Although enough has not been done in an experimental way to ascertain all of the localities where lilies can be grown successfully, it may be stated that the lily seedlings have shown great vigor where the winter temperature does not fall below 24°. Below that point the plants get a check to their growth and the foliage puts on an undesirable yellowish tinge, which remains during the winter.

In Florida, seeds sent to persons who undertook experimental work has not given good results. The northern and central parts of the state occasionally get much too cold to insure strong winter growth. In the southern part where seed has been sent the reports of those who were experimenting are not very favorable.

At Miami, Fla., as also at Key West, the conditions proved most favorable

Forcing Asparagus and Rhubarb.

NOW is the proper time to set your Asparagus and Rhubarb roots for **forcing.**

Fine 8-year-old roots of **Asparagus;** enormous; larger than the top of a bucket; will force readily; only $5.00 per 100. Fine **Rhubarb Clumps,** immense; will produce magnificent stalk; only $6.00 per 100; smaller, $3.00 per 100.

WARREN SHINN, Nurseryman, **Woodstown, N.J**

VEGETABLE SEEDS

SOW NOW.	Per ¼ lb.	Per lb.
Lettuce, Grand Rapids Forcing	$ .30	$1.00
May King	.40	1.25
Cucumber, Evergreen White Spine	.25	.75
Davis Perfect	.35	1.25
Radish, Vaughan's Cardinal Forcing	.40	1.50
Improved Scarlet Globe	.25	.70
20 Day Forcing	.20	.60
Scarlet Globe White Tip	.20	.60
Tomato, New Globe	.75	3 00
Comet	pkt.. $ .25	
Sunrise	pkt.. .25	
Cauliflower, Earliest of All	pkt.. $ .25	oz.. $2.50

Vaughan's Seed Store, CHICAGO. NEW YORK.

Vegetable Plants...

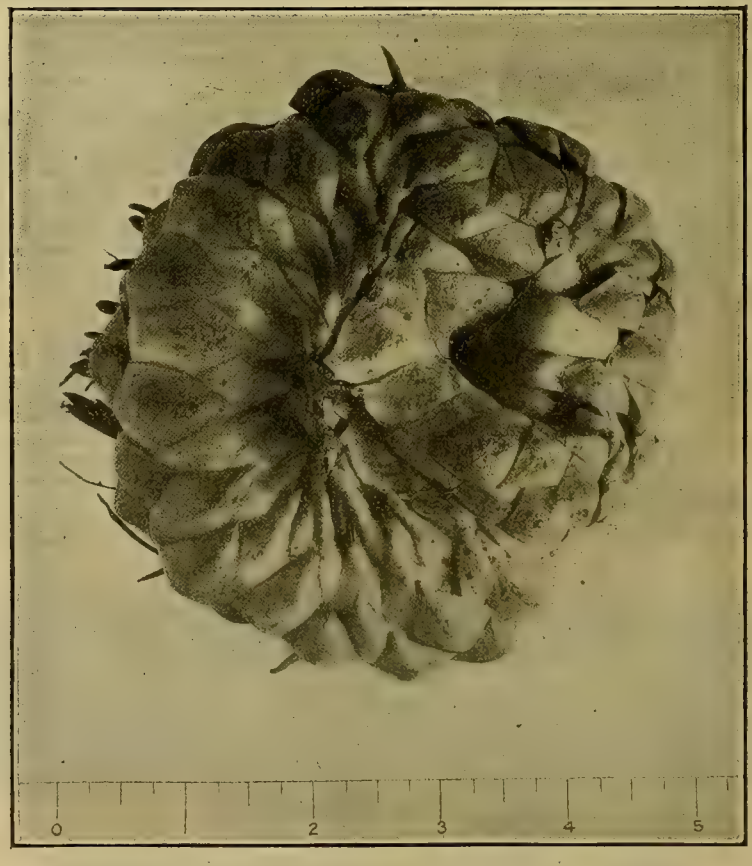
Lettuce Plants: Grand Rapids, Boston Market and Big Boston, 25 cents per 100; $1.00 per 1,000.
Tomato: Mayflower and Lorillard, 50 cents per 100.

R. Vincent, Jr. & Sons Co.,
WHITE MARSH, MD.

NEW FORCING TOMATO THE WAVELAND.

Unsurpassed by any other kind for private or commercial growing under glass or outdoor culture. Fruit thick and rich color. Seed limited. Order now. Ready September 1. Price: $1.00 per packet; $3.00 per ounce.

H. KULD, Box 193, Norwood, Mass.



TYPE OF BULB OF L. LONG. GIGANTEUM X L. HARRISII, THREE YEARS FROM SEED

St. Louis Seed Co.

784-786 N. 4th Street,
ST. LOUIS, MO.

The fastest growing and most centrally located Seed House. Get our Prices.

HOME OF PURE AND SURE SEEDS.

Tuberose Bulbs

GENUINE MEXICAN
EVERBLOOMING

1st size, ...$8.00 per 1000
2nd size..... 6.00 per 1000

FURROW & CO.
Guthrie, Oklahoma.

for the growing of lily bulbs, the climate closely resembling that of Bermuda. In the northwestern part of the state of Washington lilies may also be successfully grown, though the seedlings in the first year would probably need winter protection.

In many parts of California, especially in the hot interior valleys, where good soil and plenty of water are available and the winter temperature is not too low, the seedlings thrive well. At Loomis, a few miles northeast of Sacramento, the soil and climate are well adapted to their needs. Some areas in that vicinity are nearly frostless, and the lilies come into flower as early as anywhere in the state, with the possible exception of the foothills near Los Angeles. So far, none of the seedlings have been grown at Loomis, but judging from the growth made by mature bulbs sent for seeding purposes and comparing it with that made in other sections the advantage lies with the Loomis locality. Very little disease was apparent in the foliage, and the flowers were open several days in advance of those from bulbs planted at the same period in the valleys of the southern part of the state.

At several places south of San Francisco selected for experimental work, it was impossible to secure the carrying on of the work necessary for the raising of bulbs from seed. The seed would germinate well but when it came to planting out the seedlings in spring the farmers and florists could not be brought to believe that it was possible in 12 months' time to raise a flowering plant from a seedling not more than two inches high.

Other localities in California where thorough trials gave good results were Santa Ana, Ventura and Longbeach. Experiments with seedlings and matured bulbs at Yuma, Ariz., and at Brownsville and all the extreme southern parts of Texas proved that lily culture could be carried on there also with best success.

The Best Varieties to Grow.

During the past three seasons in California the best success has been with seedlings which were obtained by crossing the red-stemmed longiflorum giganteum with longiflorum Harrisi. The progeny is strong and in some localities totally free from disease. In the open fields they come into flower about a week later than the true L. Harrisi. These seedling lilies of the parentage mentioned are composed of four distinct types: Long-leafed and short-leafed green-stemmed plants, and long-leafed and short-leafed red-stemmed plants. All show a remarkable freedom of bloom. Fred. Rafferty, of Santa Ana, Cal., bloomed a large number of them in the spring of 1907. Although the seedlings were only about three inches high when planted out in June, 1906, some of them

Conway's White Branching Aster.

The flower is pure white, of unusual size and fine shape, with long stiff stems. Blooming from mid-season to late. Is considered by leading florists to be the best and most profitable aster ever grown. **Trade Packet, $1.00; Half Ounce $3.00; Ounce, $5.00.** Cash please.

F. A. CONWAY & CO., Indianapolis, Ind.

NEW CROP FLOWER SEEDS.

	¼-oz.	oz.
Verbena Mammoth, in colors or mixed	30c	$1.00
Salvia Splendens	35c	1 25
Salvia Bonfire	75c	2.50

Lily of the Valley early forcing to close out, per 1000, $11.00

Fresh Tobacco Stems, Bales of 300 lbs. $1.50

W. C. BECKERT, Pittsburg, N. S., Pa.

Just Out

Our handsome new Catalogue for 1908.

If you have not received a copy, please advise us by postal and we will send you one by return mail.

W. W. RAWSON & CO.
5 Union St., BOSTON, MASS.

Cyclamen

Superb English Strain

Second to none in size of flowers.
Giant Crimson.
" Pink.
" White.
" White with Claret base.
" Mauve.
" Salmon Queen.
" New Fringed.

100 seeds, $1, 1000 seeds, $9.

HIGHEST GRADE SEEDS FISKE BOSTON FANEUIL HALL SQUARE

H. E. FISKE SEED CO.,
12 and 13 Faneuil Hall Sq., BOSTON, MASS.

Mention the American Florist when writing

ESTABLISHED 1824.

Bridgeman's Seed Warehouse

RICKARDS BROS., Props.,
Importers and Growers of High Grade

LILY OF THE VALLEY,
Finest Berlin, $12.00 per 1000.

	Packet	Oz.
Ageratum, Blue Perfection	15c	.50
Alyssum, Little Gem	10c	.35
Candytuft, Empress	10c	.20
Bellis, Snowball	25c	
" Longfellow	25c	
Salvia Splendens	25c	1.35
" Bonfire	25c	2.50
Verbena, Mammoth mixed	25c	1.50

37 E. 19th St., near Broadway. Telephone: 4235 Gramercy. **New York City**

BURPEE'S SEEDS PHILADELPHIA

Wholesale Price List for Florists and Market Gardeners.

Asparagus Plumosus Nanus

We handle this Asparagus both in seeds and plants of all sizes, in very large quantities and make very close prices on larger amounts on application. Our seed is pure, fresh, of best germinating quality and extraordinary vitality **Northern Greenhouse-Grown Seed.** Per 100 seeds, **60c;** 250 seeds **$1.25;** 1000 seeds, **$4.50;** 5000 seeds **$21.25;** 10,000 seeds, **$40.00.** Price for larger lots on application

Vaughan's Seed Store Chicago and New York

Reliable Seeds.

SOW NOW.

	Tr. pkt,	6 pkts.
Begonia Gracilis Luminosa	50c	$2.50
Begonia Erfordia	50c	2 50
Begonia Zangen's Bedding Queen	50c	2 50
Sweet Alyssum Carpet Queen, real dwarf for pots only, no equal	25c	1.25
Salvia Fireball	50c	2.50

My new List ready for the asking.

O. V. ZANGEN, Seedsman,
HOBOKEN, N. J.

Mention the American Florist when writing

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,
Successors to L. K. Peacock, Inc., ATCO, N. J

had 28 flowers to a single stem in June, 1907. Two years ago at Ventura, S. Cole had some 2-year-old-seedlings of the same cross, one of which had 35 flowers to a stalk.

Advantages of Seedlings.

The seedling method of propagation not only has its advantages in so far as the elimination of disease is concerned, but it is also a much quicker method than propagation from scales or even from small bulbs. The seedlings one year after planting very often show as many as 20 flowers to the stalk. During the past season (1907), as already stated, Fred. Rafferty, of Santa Ana, Cal., had seedlings with 28 flowers. Such plants can be depended on to give bulbs of salable size the first year. Comparatively few of the 9 to 11-inch size are produced. The usual sizes are from 5 to 7 inches, but a considerable percentage of the 7 to 9-inch size is found in lots which have received good attention. The crop is ready for harvesting by the beginning of August. The smaller bulbs when replanted soon after being harvested grow much better than imported material.

The Pollination of the Flowers.

To insure the production of seed, the flowers must be artificially pollinated, as capsules are rarely formed without this operation. The pollen is not scattered by wind to any extent and insects evidently visit the flowers without accomplishing a satisfactory transfer of pollen from the stamen to the stigmas; therefore, recourse must be had to hand pollination. This consists in taking three or four stamens between the thumb and forefinger and rubbing the anthers, which are copiously supplied with pollen, against the viscid surface of the stigmas. It is best to transfer the pollen from the flowers of one plant to those of another, as the flowers then set seed better than when the pollen of one flower is transferred to the stigma of the same flower or to other flowers on the same plant.

The best time to select pollen is when the anthers have shrunk considerably and the pollen adheres to them in great masses. This should be applied to the stigmas shortly after the segments of the flowers open; the stigmatic surface will then be covered with a viscid substance which enables the pollen to adhere very easily.

Sowing the Seeds.

The seeds should be sown in well prepared beds and it is advised to sow them as soon as ripe, about the latter part of August. Good, porous soil for the purpose is necessary and if covered by some sort of airy roof, the material used, if cloth, serving also as a shading, success will be all the more certain. For the covering of the seeds, one-half inch of soil and cocoanut fiber in equal parts has been found to be the best. Kept moist and accorded proper attention, when above ground, which will be in from three to six weeks, there is little likelihood of meeting with discouraging failure in the raising of seedlings with which to stock the fields.

Planting Out.

It is understood, as in all good cultures, that ground in which lilies are to be grown, has previously been enriched and properly prepared. Very heavily manured the season before it is given over to lily-culture and first grown to something else is a good plan, followed by many growers.

The seedlings at planting time are necessarily very small, having only a few very short and narrow leaves—in fact, they seem anything but promising—and to one who has not had experience in this line of work the appearance of the seedling plants would very naturally tend to discouragement. The rows in the bed should be about eight inches apart, and the plants at least five inches. If the soil is loose and easily worked, they can be put in by hand; otherwise a short trowel is the handiest tool. Care should be taken not to have the seedling bed too wet at the time of transplanting, as this has a tendency to make the plants flabby. Water should be given as soon as they are put in the ground.

More Dissatisfaction with Burbank.

Has he produced a hurtless pain, a pangless insult, a privationless poverty, a maliceless hate, a hungerless starvation, a fatigueless weariness, a toilless work, a nightmareless mince pie, a leftoverless holiday turkey, a chestnutless minstrel show, a fidgetless boy, a colicless baby, a harmless gossip, a stingless hornet, a venomless rattlesnake, an innocuous poison, a scentless onion, a burrless chestnut, a chaffless sweat, a discordless peacock or a pianoless flat?

Has he? Isn't he neglecting the things he should have tackled at first had there been any real benevolence mingled with his skill? He ought to be investigated along with every one else. I am beginning to lose confidence in Luther and something ought to be done. This loss of confidence is an awful thing.

ROUND PEAK, N. C.—G. A. Holder, who handles galax leaves very extensively, says his trade has this season far exceeded that of any previous year.

VICK'S ASTER SEED

THE STANDARD OF EXCELLENCE

Vick Quality Asters

INTRODUCED BY US. GROWN EVERYWHERE.

Vick's Branching (8 colors)
Vick's Snowdrift
Vick's Royal Purple
Vick's Lavender Gem
Vick's Daybreak
Vick's Purity
Vick's Sunset
Vick's Mikado
Vick's Cardinal
Vick's Violet King

How to Grow Asters Revised
Full of information for Aster Growers. Price, 10c. Free with an order of Aster seed.

Florists' Novelty Collection

Six of our latest introductions, including Sunrise (new) and Early White Branching (new):

	Price
Vick's Early White Branching	$0.25
Vick's Imperial Aster Sunrise	.25
Vick's Violet King	.20
Vick's Cardinal	.25
Vick's Lavender Gem	.25
Vick's Rosy Carmine	.25
How to Grow Asters	.10
	$1 50

All of the above, including our "Aster Book for Florists." 90c

SEND FOR OUR NEW ILLUSTRATED AND DESCRIPTIVE

Aster Book for Florists

It describes in detail, not only the varieties originating with us, but also all other leading sorts.

The largest and handsomest work of its kind ever issued.

Intended only for wide-awake Florists who appreciate the fact that

The Best Quality is Always the Cheapest.

MAILED FREE UPON REQUEST.

JAMES VICK'S SONS

ROCHESTER, N. Y.

The Leading Specialists and Largest Growers of High-Grade Asters in the World.

Two New Varieties for 1908

VICK'S IMPERIAL SUNRISE.

A novelty of extraordinary merit. Seedling from Vick's Daybreak, but distinct in form of flower, each petal being perfectly quilled. Color, delicate pink. Plant a robust grower; upright branches, each crowned with magnificent double flowers three to five inches in diameter. Type securely fixed. Sure to be a winner. Packet, 25c; two packets or more, 20c each.

VICK'S EARLY BRANCHING.

Developed from Vick's Late Branching. Flowers of this new variety can be placed on the market ten days ahead of Late Branching sorts. Plants have few branches which are free from side buds, the whole strength of the plant being given to the development of large perfectly double flowers. Long stems. Two colors, white and rose. Packet, 25c; two packets or more, 20c each.

For prices in quantity see our "Aster Book for Florists."

OTHER FAVORITE VARIETIES.

Hohenzollern, early, Hohenzollern, late,
White Fleece, Early Wonder,
Empress Frederick, Giant Comet,
Semple's Branching Pink, Queen of the Market.

For prices see our "Aster Book for Florists."

MARKET GARDENS.

Transplanting Cucumbers.

Cucumbers for late spring and early summer are very likely to continue a most valuable crop for the greenhouse man. With the increasing enemies of the outside crop, there is no immediate danger of an oversupply. An important point in this work is transplanting, for we cannot very well sow the seed where the vines are to grow as the beds are then occupied by other crops and time is money. I prefer pots to boxes. If boxes are used, be sure and pound the soil into them as firmly as possible. Generally, damage occurs to loosely planted stock in handling. A good method is to use inverted sods, four inches square; but on the average commercial place sod is a slow process, or hard to get. By potting the seedlings into clean 2½-inch pots, and when root-circled shifting into clean 4-inch, grand plants can be produced at a small cost.

To get the young plants in just the right condition to pot, I prefer to sow the seed thinly directly on to the bottom of shallow flats, without earth. Cover less than one-half an inch deep with a mixture of coal ashes, sand and rich earth and place in a warm spot, where 60° is the minimum. This method produces flat rooted seedlings that will lift without any shock if potted the moment that the character leaf shows between the seed leaves. That is the right time for most any seedling to be transplanted; pot deeply and firmly and water only sparingly at all times; keep a little on the dry side and warm. No shade is needed if this is done properly.

MARKETMAN.

W. H. DESPARD, manager of White & Co., Ltd., Toronto, Canada, is secretary of the Celery Dealers' Mutual Organization, now three years old.

Getting Rid of Moles.

ED. AMERICAN FLORIST:—

Can you tell us how to get rid of moles? They have ruined a crop of lettuce grown in solid beds here. Any help you can give us will be appreciated.

LETTUCE GROWER.

We have found any one of the following traps useful in destroying moles: Out o' Sight mole trap, Animal Trap Co., Abingdon, Ill.; Brandt mole trap, L. M. Brandt & Son, Huntsville, O.; Reddick mole trap, W. A. Reddick, Riverside works, Niles, Mich.

Moles are insectivorous and do a great deal of good in destroying cutworms, white grubs and other noxious insects. Occasionally in hunting for their food they do indirect damage by disfiguring lawns and upheaving tender vegetables. It is stated that moles may be killed by inserting a crystal of strychnine in a decapitated earth worm or white grub, which should be carefully dropped into one of the fresh runways.

F.

Vaughan's Seeds TRADE MARK. NEW YORK-CHICAGO

Vaughan's New Crop Flower Seeds

FOR PRESENT SOWING.

10 per cent Special CASH DISCOUNT. On orders over $2.00 for Flower Seeds if the cash is enclosed. 1C per cent. This discount does not apply to Asparagus Seed. Cash discount on this is 2 per cent.

	Trade pkt.	oz.
Ageratum, Imperial dwarf blue	$ .10	$ .25
Imperial dwarf white	.10	.25
Blue Perfection. dwarf new	.10	.40
Princess Pauline. fine for pots and borders	.10	.40
Princess Victoria Louise. new. beautiful blue and white flowers. plants compact and free blooming	.10	.50
Little Blue star, new, best dwarf	.25	
Alyssum, Sweet ... lb., $1.25	.05	.15
Little Gem. extra fine strain	.10	.35
Balsam, Alba Perfecta. This is the largest and best double white Balsam, unequaled in doubleness and size ¼-oz 25c	.10	1.00
Begonia, Single tuberous-rooted giant. mixed	.50	
Double. tuberous-rooted. giant flowered	.50	
Vernon ... ⅛-oz, 30c	.10	2.00
Luminosa new better than Vernon	.25	
Bellis or **Double Daisy,** Vaughan's mammoth mixture, 1-16 oz. 45c.	.25	
Vaughan's Mammoth White ... 1-16 oz. 50c.	.25	
Longfellow dark pink ... ⅛-oz. 35c	.20	2.50
Monstrosa. double white, double pink. new...each 50c		
Browallia, Speciosa Major		.25
Candytuft, Giant Hyacinth flowered ... ½-oz, 15c	.10	.20
Canna, Vaughan's Special Mixture, saved from our own collection of over 40 best kinds ... lb, $1.50	.10	.20
Celosia, Coxcomb. President Thiers	.15	1.25
Centaurea, Candidissima (Dusty Miller)	.25	1.00
Gymnocarpa ... lb. $2 75	.05	.30
Coboea, Scandens. blue ... lb. $3.50	.10	.30
Clematis Paniculata, White. sweet scented ... lb. $5,00	.15	.50
Large-Flowering Jackmanni Hybrids	.25	2.00
Coleus. Mammoth rainbow	.25	
Large-leaved, mixed	.25	
Cyperus Alternifolius, Umbrella plant ... ¼-oz, 50c	.20	1.60
Dracaena Indivisa ... lb, $2.50	.10	.30
Indivisa Lineata	.10	.40
" Latifolia	.10	.40
Australis	.10	.60
Daisy, Burbank's Shasta ... ⅛-oz, 25c		1.50
Echeveria, (Hen and chicken), mixed ... 100 seeds, 20c		
1000 seeds ... $1 00		
Metallica ... 100 seeds 35c: 1000 seeds $3.50		
Secunda glauca ... 100 seeds 15c: 1000 seeds $1.00		
Feverfew. Matricaria Capensis plenissima	.10	.25
Forget-me-not, Vaughan's early blooming and late flowering ... ¼-oz. 25c	.10	.80
Fuchsia, double and single varieties. mixed, 250 seeds 75c		
1000 seeds ... $2.60		
Geranium, Apple-scented ... 200 seeds 25c: 1000 seeds $1.00		
Grevillea Robusta silk oak	.10	.80
Linaria Cymballaria (Kenilworth Ivy) ... ¼ oz., 40c	.15	1.20
Alba. white	.15	1.20
Lantana Hybrida, mixed	.05	.15
Lemon Verbena ... ¼ oz., 40c	.25	
Lobelia Crystal Palace Compacta ... ⅛ oz., 25c	.15	1.20
Speciosa for hanging baskets ... ¼ oz., 15c	.10	.50
Emperor William. dwarf ... ¼ oz., 25c	.10	1 00
Bedding Queen. best dwarf ... ⅛ oz., 25c	.15	1.50
Maurandya, mixed ... ¼ oz., 25c	.10	1.00

	Trade pkt.	oz.
Mignonette, True Machet ... ½ oz . 25c: 2 ozs., 75c	$ .10	$ .50
New York Market. Packet about 1000 seeds. 50c; ⅛ oz., $1.00; oz., $6.00.		
Mimulus (Musk Plant) ... ¼ oz., 30c	.10	1.00
Musa Martini ... 100 seeds. 85c		
Religiosa ... 100 seeds. 85c		
Pansies. Vaughan's International Mixture. per oz., $10 00; ½ oz., $5.00; ⅛ oz., $1.50; trade pkt., 50c.		
Vaughan's "Giant Pansy Mixture" ¼ lb , $14.00; oz., $4.00; ⅛ oz., 60c trade pkt., 25c.		
Petunia, Giants of California, mixed ... 1-32 oz., 75c	.25	
"Vaughan's Best" mixture of large flowering Petunias, Trade pkt. (1000 seeds), 50c; 3 pkts. for $1.25.		
Vaughan's large flowering Double Petunias. trade pkt. (1000 seeds), $1.20.		
Pyrethrum, Golden Feather	.10	.25
Salvia Splendens, Clara Bedman (Bonfire)	.25	2 50
"Drooping Spikes" ... ¼ oz., 50c	.25	1.60
Fireball new ... ⅛ oz., 75c	.25	
Zurich. new very dwarf and early	.50	
Primula Obconica Grandiflora, mixed ... 500 seeds, 25c		
Large flowering, pink ... 500 seeds, 25c		
Large flowering, pure white ... 500 seeds. 25c		
Large flowering. fringed. mixed ... 500 seeds, 50c		
Gigantea Rosea ... 200 seeds, 25c		
" Kermesina, new	.30	
Stocks, large flowering. extra choice, mixed ... ⅛ oz. 35c	.25	2.00
Pure White, Brilliant Rose. Bright Crimson, Blood-Red. Light Blue, Canary Yellow, Dark Blue. Each ... ⅛ oz, 35c	.25	2.00

"Cut and Come Again."

One of the best stocks for cut flowers the plants producing many side branches with a large percentage of double flowers

	Trade pkt.	oz.
White Perfection or Princess Alice, Blood-Red. Brilliant Lilac Pink. Each ... ⅛ oz., 40c	.25	2.50
Mixed, the above colors and others ... ⅛ oz., 35c	.20	2.00
Smilax, new crop. very short this year. ¼ lb., $1 25; lb , $5.00	.10	.50
New Myrtle-leaved ... 100 seeds, 75c; 1000 seeds, $6.00		
Thunbergia, mixed ... 4 oz , $1.00	.10	.40
Torenia Fournieri, charming pot plant, velvety blue ⅛ oz., 40c	.15	
Fournieri Compacta, Grandiflora ... ⅛ oz., 50c	.15	
White Wings, white ... ⅛ oz., 40c	.15	
Bailloni ... 1-16 oz., 50c	.25	

	Trade pkt.	¼ oz.	Oz.
Verbena, Vaughan's Best Mixture	$ .25	$ .50	$2.00
Mammoth, mixed ... 2 oz., $1 70	.10	.25	.80
" White	.15	.25	1.00
" Purple	.25	.50	2.00
" Pink shades	.25	.50	2.00
Firefly, scarlet, white eye	.15	.40	1.20
Striped. on red ground, fine	.15	.30	1.15
Candidissima, white	.10	.20	.70
Defiance, brightest scarlet	.10	.25	.90
Dark blue with a white eye	.10	.20	.70
Vinca Rosea, Rosea fl. albo and pure white, each	.10		.60

VAUGHAN'S SEED STORE,

14 Barclay St., NEW YORK. 84 and 86 Randolph St. 206-208 W. Randolph St. **CHICAGO.**

The Nursery Trade

American Association of Nurserymen.
J. W. Hill, Des Moines, Ia., President; C. M Hobbs, Bridgeport, Ind., Vice-President; George C Seager, Rochester, N. Y., Sec'y.
Thirty-third annual convention to be held at Milwaukee, Wis., June, 1908.

MONTGOMERY WARD & Co., the Chicago mail order house, now have a nursery at Arlington Heights, Ill.

THE finest booklet of fruits we have seen recently is George C. Roeding's of Fresno, Calif., containing some Burbank specialties in colors.

MOBERLEY, Mo.—J. P. Sinnock of the Sinnock Nurseries recently closed a deal whereby he sold a carload (10,000) apple trees to an Iowa firm, to be shipped in the spring.

WHEN dividing up old clumps of herbaceous perennials plant up the outer portions which are young and vigorous and throw away the older, worn out portions in the center.

FREDERICK W. KELSEY has been elected president of the American Nursery Co., a combination of several nurseries at Springfield, N. J., and Flushing, L. I. The capital stock is $100,000.

JEFFERSON CITY, Mo.—The Jefferson Floral Co. has secured the contract for beautifying the grounds of the new Jacob Moerschel place on Swift's highway. The grounds contain about six acres, and there will be drives, parks and artificial lakes of the finest surrounding the beautiful mansion.

PORTLAND, ORE.—As the result of the park board's decision to set aside three park blocks for the planting of roses and maintenance as permanent rose gardens, this city will hold one of the most unique civic celebrations ever planned in the United States. A day within the next few weeks will be selected for the setting out of 5,000 rose bushes in mid-winter, when howling blasts are sweeping through the middle west and east.

TEXAS NURSERIES.—The Texas State Department of Agriculture, gave out a list of nurseries doing business in the state January 22. The list shows the total number to be 234 which is a decrease of 12 from last year and six from the previous year. The list gives the names of the nurseries, the name of the manager or proprietor and the postoffice address. This list was prepared by Professor Dixon, the state nursery inspector, and the nurseries appearing in the list are authorized to do business in Texas.

NASHVILLE, TENN.—The third annual convention of the Tennessee State Nurserymen's Association, held January 31, at the Tulane, proved to be the largest and by far the most enthusiastic meeting in the history of the organization. Over 30 members attended and heard with interest the several papers and addresses by the different members. Following are the newly elected officers: H. G. McCord, of Pulaski, president; E. W. Chatten, of Winchester, vice-president of middle Tennessee; F. Byrns, of Sylvia, vice-president of west Tennessee; S. Dougherty, vice-president of east Tennessee; Prof. G. M. Bentley, Knoxville, secretary-treasurer.

ELIZABETHTOWN, KY.—The annual meeting of the State Horticultural Society was held at West Point, Jan. 28-29, with a large attendance from all over the state, especially from Jefferson and Hardin counties. A long programme of about 25 speakers was carried out, resulting in many good ideas being exchanged by the various fruit growers.

ALLENTOWN, PA.—The will of W. B. K. Johnson provides that his estate shall eventually go to charity. It gives the income to his wife for life and after her death, the entire estate, valued at upwards of $40,000, is to be divided among various churches and hospitals. Mr. Johnson had one of the largest nurseries in Pennsylvania on his farms near here and was long a lecturer on fruit growing for the National Department of Agriculture.

To Introduce the Lignon Berry.

Conrad Skarstedt, a Swedish horticulturist, who is anxious to introduce in this country the lignon berry, which is similar to the American cranberry, arrived at New York recently. Mr. Skarstedt believes he can educate the American taste to like the Swedish berry, and, if successful, will promote farms and factories for its culture and preparation for the market in this country.

Grafting Pecans on Hickories.

The following note is a reprint from the Cedar Rapids, Ia., Times, of December 12, 1907.

Dr. Dennis, of Cedar Rapids, a prominent member of the Iowa Park and Forestry Association, which holds its annual meeting this evening and tomorrow at the state horticultural rooms at the state capitol, has a unique scheme to grow southern nuts on Iowa trees. As a sort of a Burbank of Iowa he has carried out experiments and discovered that by grafting pecan shoots on the branches of common shell bark hickory trees that a fine grade of southern nuts can be produced. He has succeeded in growing chestnuts of a fine grade and also has managed to produce a fine sample of English walnuts off the graftings on northern nut producing trees.

Dr. Dennis refers to this matter as follows:

ED. AMERICAN FLORIST:—

The enclosed note of January 11 from you, and the Iowa paper clipping have been sent me by Prof. S. A. Beach for reply. I cannot account for the article, that is scarcely one-half truth, unless it grew out of the fact that I had quite a collection of nuts at the Iowa State Horticultural Society meeting at Des Moines in December last. Most of these were hickory nuts and chestnuts that were grown in the vicinity of Cedar Rapids, Ia. These chestnuts were my seedlings, some of which are hybrids of the native and European strains; these I originated and they are perfectly hardy and are large and fine. The pecans exhibited were specimens from the south, and so labeled; they were exhibited only to show Iowa horticulturists the possibilities in fine fruit of the pecan. At no time have I stated that these were grown in Iowa, but in a paper I read at the meeting I advocated the use of the red hickory for a stock to graft our shellbark onto and expressed a belief that hardy pecans might be made a success on the same root, for the pecan is native in southeastern Iowa as far north as Davenport and Clinton. These should be used instead of the tender paper shell varieties from the gulf states. The English walnut was not mentioned in my address. I have fruited the Japan walnut that I originated from seed, but not the English, either from seed or graft. However, if grafted on the native black walnut, it might do in southern Iowa, but I have never tried this for a root.

I have never posed as a Burbank although, in a small way, I have experimented in plums and nut-bearing trees for a number of years. In our severe climate it would take a greater mind even than a Burbank to merit all the claims of this clipping sent Prof. Beach. I regret that I am the innocent cause of such horticultural misrepresentation.

Cedar Rapids, Ia. A. B. DENNIS.

Beautiful Garden Hedges.

Hedges that are not boundary markers can be made of many beautiful flowering shrubs, some of which are seldom used for such a purpose. For example, says the Gardeners' Magazine, nothing can exceed the loveliness of "syringa" hedges enclosing a rosery, or beds of roses and liliums, set either in grass or gravel. There are several excellent varieties of the "syringa," or mock orange, Philadelphus rosæflorus being one with immense semi-double flowers; P. Gordonianus coming into beauty rather late, and being especially prodigal of bloom; and P. parviflorus claiming attention as an extra rapid and tall grower. Then the exquisite Philadelphus purpureo maculatus might be represented, whose large white blooms have a mauve-rose blotch on each petal.

Hedges of mixed varieties of one shrub are usually more successful than those in which different species of shrubs are combined, yet the latter have plenty of charm and should be planted in situations where uniformity of height is not required. One might contain Philadelphus rosæflorus, Escallonia macrantha, Viburnum Opulus. Cistus ladaniferus, laurustinus. Ribes sanguineum, and Symphoricarpus radicans, the snowberry tree. All could be pruned into some kind of regularity, and this hedge in a small garden would certainly serve to introduce beautiful subjects for which room could not otherwise be spared. Escallonia macrantha Ingrami is much hardier than is generally supposed; it seldom fails in the walled-round garden, except in coldest countries, thrives in a heavy soil, and grows remarkably thick and high; the bottom density can be annually increased by layering some of the lowest shoots. As a dividing line between flowers and vegetables, or to enclose the environs of a summerhouse, it is one of the most attractive of all shrubs.

Japanese honeysuckle makes a good hedge in time, if given some faggot supports in its youth: so, too, does the common white jasmine; this last we have seen delightfully used with the white Scotch heavily-spined rose as a kind of undergrowth; indeed, Rosa spinosissima shows at its best when thus employed, but is equally at home with the tall Penzance briar roses or common sweet briar. A well-grown hedge of sweet briar is, by the by, one of the most fortunate possessions of any garden, for it can be ruthlessly cut back and down to keep it trim and green, and serves as an ideal support for any of the light-growing summer climbers, convolvuluses, sweet peas, canary creeper, Lophospermum scandens, Eccremocarpus scaber; even the profusely-leaved cobæa will not harm it. Gardeners who wish to treat such a hedge in a unique fashion should plant out some Plumbago Capensis of good height against it in summer; supposing the hedge to have one side facing south; the gray-blue blossom will make a fine show.

Disease of Apple Trees.

Bulletin No. 12 recently issued by the Wisconsin State Horticultural Society gives detailed description and methods of treatment of a very dangerous disease of young apple trees known as blight canker. This disease attacks mainly young trees, 8 to 15 years old, killing the bark of the trunks in patches or girdling the main branches.

The disease appeared in the trial orchard maintained by the society at Wausau and destroyed several hundred trees before its nature was known. It is widely distributed through the state, having been found in 26 counties.

The blight canker is a bacterial disease and caused by the same organisms that cause the well-known fire-blight of the apple. Too often injuries caused by this canker are as-

cribed to sunscald, or winter killing. It cannot be controlled by spraying. Treatment consists in cutting out all diseased bark, disinfecting the wound with a two per cent. solution of copper-sulfate or a one-tenth per cent. solution of corrosive sublimate, and afterwards covering with paint.

Glen Cove, N. Y.

The annual dinner of the Nassau County Horticultural Society was held on the night of January 29. It was a real old-fashioned dinner like mother used to give us boys. The newly-elected president, A. Janecke, was in his usual pleasing and happy vein. Retiring President McKenzie was also entertaining and the mutual feelings of regard between himself and those present were pleasing features.

The seed trade of New York was well represented at the dinner by W. E. Marshall, Geo. Burnett, Wm. Spurling, Harry Watkins and the Rickards brothers. Other out-of-town guests were James Scott, of Elmsford; Joseph Manda, of Orange, N. J.; Robert Angus and J. McFarlane, of Tarrytown. Nearly everyone present had something to say, notably W. E. Marshall, James Scott, Wm. Spurling, Joseph Manda and Messrs. McFarlane and Lenker. The bright particular feature of the evening was the violin selections of old Scotch melodies, by Bob Angus, with piano accompaniment by W. C. Rickards.

OSHKOSH, WIS.—The Horticultural Society elected the following officers at its last meeting: Mrs. Edith Becker, president; Sarah Timan, vice-president; Anna Jones, secretary; M. E. Penniman, treasurer.

Gladiolus Taconic.

READY NOW! SHIPPING EVERY DAY!

Manetti Rose Stock for Grafting Smooth, evenly-graded, especially selected for Florists' use.

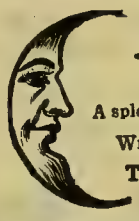
Grafting size, 3-5 mm $ 8.00 per 1000; $75 00 per 10,000.
Extra large, 5-9 mm. 10.00 per 1000; 90.00 per 10,000.

Orders booked now for grafted **Bride, 'Maid, Richmond, Killarney, Kaiserin, Wellesley,** etc., to be delivered in April or later, when wanted; write for prices; also for spring price list of Roses, Shrubs, Vines, Perennials, Conifers.

JACKSON & PERKINS CO., NEWARK, NEW YORK.

—THE—
Royal Tottenham Nurseries, LTD.
Established in 1872.
Managing Director, A. M. C. VAN DER ELST.
Dedemsvaart, Holland.

Headquarters for HARDY PERENNIALS, among which are the latest and choicest. 13 acres devoted to growing this line, including Anemone, Aster, Campanula, Delphinium, Funkias, Hemerocallis, Hepatica, Incarvillea, Iris, Peonies, Phlox decussata and suffruticosa, Primula, Pyrethrum, Tritoma, Hardy Heath, Hardy Ferns. Also 8 acres of Daffodils, 12 acres of Conifers,, specially young choice varieties to be grown on; 3 acres Rhododendrons including the best American and Alpine varieties; 2 acres Hydrangeas. We make it a point to grow all latest novelties in these lines. Ask for Catalogue.



ARBOR VITÆ
(Thuya Occidentalis.)
A splendid stock, of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.
THE WM. H. MOON CO.,
Morrisville, Pa.

Am. Arbor Vitae Hedge Plants
at Wholesale to Florists.
Best Evergreen Hedge Plant in the World.
EVERGREEN NURSERY CO.,
STURGEON BAY, WIS.

Gladiolus Taconic or No. 605.

This variety, a seedling which appeared among the varieties of Arthur Cowee, Berlin, N. Y., has been grown and increased by him during the past few years under variety No. 605, and is known to many in the trade, who have noted its attractive appearance. Mr. Cowee writes us that under ordinary cultivation it attains a height of about four and one-half to five feet and is one of the most artistic flowers in this color. He gives it the following technical description:

"Bright, lively pink, flecked and striped with shades of the same color, the petals lightening to the faintest blush in the throat. The markings on the lower petals are deep crimson, running into a thin strip of pale lemon yellow. Plant vigorous and flowers large, 10 to 12 being in bloom at the same time."

LA SALLE, ILL.—Miss Ella Porter has removed her store from the building at 521 First street to the telegraph office, between Gooding and Marquette streets, on the south side of First street.

MONTCLAIR, N. J.—A fire which did $200 damage occurred at the greenhouses of A. D. Rose on Orange road February 1. The fire was caused by a defective flue. It was discovered by the night watchman, who turned in an alarm. The damage was mostly broken glass near the furnace.

Hardy Roses
American Grown—Superior to Imported

We have unsold at the present time the following varieties—**all field grown plants,** grown in our nurseries at Rochester, N. Y.:

Anne de Diesbach	Prince Camille
Clio	Ulrich Brunner
Frau Karl Druschki	Crimson Rambler
General Jacqueminot	White Rambler
John Hopper	Yellow Rambler
Mme. G. Luizet	Philadelphia Rambler
Marshall P. Wilder	Common Sweet Briar
Mrs. John Laing	Mme. G. Bruant
Paul Neyron	Wichuriana (The Type)

These plants are in our storage cellars and can be shipped at any time. Prices on request.

ELLWANGER & BARRY
Nurserymen—Horticulturists
Mount Hope Nurseries, Rochester, N. Y.

LARGE TREES.
OAKS and MAPLES.
PINES and HEMLOCKS.
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA

The True Amoor River Privet
Ligustrum Amurense
2½ to 3 feet, strong, field-grown plants, any quantity, $25.00 per 1000.
California same size and price.
Peter's Nursery Co., Knoxville, Tenn.

AZALEAS (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.
Jacs Smits, Ltd. NAARDEN, (Holland.)
Price list free on demand.

BOBBINK & ATKINS,
Rutherford, N. J.,
Bay Trees, Palms, Buxus, Azalea Indica, Rhododendrons, Evergreens, Herbaceous Plants, Roses, Trained Fruit Trees, Greenhouse Grape Vines. Ask for catalogue.

PEONIES.

Festiva Maxima	$20.00 per 100
Queen Victoria (Whitleyi)	9 00 per 100
Fragrans (Late Rose)	6.00 per 100

For 1000 rates and other varieties, write
GILBERT H. WILD, Sarcoxie, Mo.

TREES AND SHRUBS.
Immense quantities, low prices.
Send in your lists for figures.
PEONIES A SPECIALTY.
PETERSON NURSERY, 108 La Salle St., CHICAGO.

WINONA The True Pink Carnation for 1908.

A Color that Attracts Attention. Once Seen, Always Wanted.

Comes nearest to Fiancee, but is a different type flower. **Never Bursts—Every Calyx Perfect.** Good, shapely, active growth. Blooms early and in quantity. A grand commercial variety. Give it a trial and compare the returns. We have a large stock, clean and healthy. Will guarantee every cutting to be first class. Order now for early delivery. **Price: $12.00 per 100; $100.00 per 1000.** Larger lots, prices on application. With our additional glass we have more than doubled our stock of Carnation Plants, and can fill orders for rooted cuttings to even better satisfaction than in past years.

FOR FEBRUARY DELIVERY AND LATER.

	Per 100	1000
Red Chief, bright scarlet	$5 00	$40 00
Bonnie Maid pink, edged white.	5 00	40 00
Aristocrat, cerise	6 00	50 00
Winsor pink	6 00	50 00
Beacon, orange scarlet	6 00	50 00
White Enchantress white.	$6 00	$50 00
White Perfection, pure white	3 00	25 00
Rose-Pink Enchantress, pink	3 00	25 00
Enchantress light pink	3 00	25 00
Lady Bountiful, white	$3 00	$25 00
Victory, scarlet	3 00	25 00
Dorothy Whitney, yellow	4 00	30 00
Mrs. Patten, variegated	3 00	
Harry Fenn, crimson	3 00	

F. DORNER & SONS CO., La Fayette, Ind.

QUERIES.

Dahlia Propagation.

ED. AMERICAN FLORIST:—

Are dahlia roots produced from cuttings equal to those produced from divided tubers?

W.

My experience with the propagation of dahlias is that most varities do better from cuttings than from divided tubers. T.

Freesias Unsatisfactory.

ED. AMERICAN FLORIST:—

Can you tell me why the flower stalks of my freesias often come into flower in twisted and crooked shapes? W. K.

There may be several reasons for this: If grown too hot the stems would be weak and would not stand up properly; the plants may have been kept in a poor light and this would have a similar effect; poor bulbs may be the reason, small or badly ripened ones often throwing weak stems. You can best judge which of these reasons is the correct one. G.

One Better.

ED. AMERICAN FLORIST:—

I read your article headed "Hybridizing a la Chicago Record-Herald," in a recent issue. I can go you one better; we out here in the northwest may not know much as to hybridizing, but what do you think of us crossing the milkweed with the strawberry and thereby, without much work for the housewife, serving strawberries and cream from the strawberry patch. Can you beat it?

PAUL G. KRUGER.

To Chicago!

If you stand for your town your town will stand for you. At the late big banquet of the Traffic club, at the Annex, strong men of Chicago, all up, drank this toast to a wonder:

"To Chicago—the great, the beautiful—the one city of the world with its work places, its homes and its playgrounds all within its corporate limits—convenient, commodious, healthful; an infant in arms as the ages of great cities go, but a Goliath in the eyes of a wondering world. To Chicago—the greatest railway and traffic center in the world; to the men who struggled and fought and suffered and conquered to make her what she is—to the minds that plan for and guide and direct her to still greater and more glorious achievement. To her liberality and generosity, reaching with the one hand into the great west and gathering its vast wealth, and with the other dropping it at the doors of the needy and hungry and unclothed the world 'round. To her famed institutions of learning; to her free schools; to her charities; to her glorious situation; to her arts, industries and manufacturers; to her unbounded wealth and financial solidity that, Gibraltar-like, rebuff the wild commercial storms that futilely thunder at her base—to her heroic sympathy that mans the lifeboats and succors and saves from the dismantled and helpless wrecks tossing upon the troubled waters. To Chicago and to her two millions of inhabitants—and to the majestic state of Illinois!"

LLOYD Will Not Disappoint You.

The only ever blooming **White Carnation** in existence. It is the bread and butter white of the future. Size and stem of Enchantress, with the freedom of McGowen. Easy Rooted. Excellent keeper and shipper. Best seller of any carnation on the market.

Rooted Cuttings, **$2.00** per doz., **$12.00** per **100**, **$100.00** per 1000; unrooted **$6.00** per **100**, **$50.00** per **1000.**

H. A. JAHN, New Bedford, Mass.

NEW CARNATION

PRESIDENT SEELYE

The Unexcelled White

A Seedling from Mrs. T. W. Lawson and The Queen, now in its fourth year.

A large well-formed flower, long stemmed from the start; fragrant and productive; easy to grow; calyx does not split, and will do the best in a temperature of 50° to 52°

A money maker for the wholesaler and excellent for the small retail florist who grows but a few hundred of each kind.

The trade is invited to visit the greenhouses and see it growing. Every cutting guaranteed well rooted and free from disease. **$10.00** per **100**; **$75.00** per **1000.**

——Orders booked now for January delivery.——

H. W. FIELD, Northampton, Mass.

Carnation Cuttings.

——FINE STOCK OF——

Lawson, Enchantress, Rose Pink Enchantress, Perfection, Lady Bountiful, $3,00 per 100; $25.00 per 1000.

Winsor, $6.00 per 100; $50.00 per 1000.

Cash with order. Address

JOHN L. WYLAND, DeHaven, Pa.

Mention the American Florist when writing

White Enchantress.

ROOTED CUTTINGS

$6 00 per 100; $50.00 per 1000.

E. SCHRADER, New Springville,

RICHMOND BOROUGH, N. Y.

JOHN E. HAINES,

BETHLEHEM, PA.,

is the place to order rooted cuttings of the following varieties for 1908.

	Per 100	Per 1000
John E. Haines, red	$6.00	$50.00
Imperial, variegated	6.00	50.00
Pink, Pink	6.00	50.00
Enchantress, Light pink	6.00	50.00

Place orders early for December delivery.

ROOTED CUTTINGS.

Carnations. Winsor, White Enchantress, $6.00 per 100; $50.00 per 1000. Rose Pink Enchantress, Victory, $3.00 per 100; $25.00 per 1000.

Salvia Zurich, the ever blooming salvia, 2-in., $1.00 for25; $3.00 100; $25.00 1000. Rooted cuttings, $1.75 100. February delivery.

J. L. SCHILLER, 929 Prouty Ave. Toledo, Ohio.

THE NEW ..CARNATION **AFTERGLOW**

WAS AWARDED A

Gold Medal by the Rhode Island Horticultural Society, at Providence, Nov., 1907.
(Exhibited by Wm. Nicholson)

Craig Silver Cup by the Penn. Horticultural Society at Philadelphia. Nov., 1907.
(Exhibited by Dailledouze Bros.)

First Prize by the St. Louis Horticultural Society at St Louis, Mo., Nov., 1907.
(Exhibited by The E. G. Hill Co.)

First Prize by the State Florists' Association of Indiana at Indianapolis, Nov., 1907.
(Exhibited by the Originator.)

Scored the highest number of points of any seedling exhibited at the Toronto Exhibition of the A. C. S. Jan., 1907, after arriving 24 hours late from Framingham, Mass.

Aside from these honors, the fact that it has been grown successfully wherever it has been tried is the best proof of its commercial value. Orders now booked by the undersigned, to be filled in rotation for well grown, well rooted cuttings at

$2.00 per doz.; $12.00 per 100; $100.00 per 1000.

WILLIAM NICHOLSON, Framingham, Mass. | THE E. G. HILL CO., Richmond, Ind. | DAILLEDOUZE BROS., Flatbush, Brooklyn, N. Y. | R. WITTERSTAETTER Originator, Sta. F., Cincinnati, Ohio.

"Two Shades of Red"

Do you want **THE BEST CRIMSON** on the market? If so, let us book your order for

HARVARD "A greatly improved Harlowarden, with a larger flower, better stem and very prolific." **Rooted Cuttings, $12.00 per 100; $100.00 per 1000.**

FAUST "A brilliant scarlet, very prolific, many plants last Christmas having 20 buds and blooms to the plant. Best of its color for commercial use." **Rooted Cuttings, $6.00 per 100; $50.00 per 1000.**

Standard Varieties

Strong, Healthy, Rooted Cuttings

	Per 100	Per 1000
Winsor	$ 6 00	$ 50 00
Rose Pink Enchantress	3 00	25 00
Enchantress	2 50	20 00
Lawson	2 00	15 00
Queen	2 00	12 50
Victory	2 50	20 00
Queen Louise	2 00	15 00
Red Sport	2 50	20 00
Pink Patten	3 00	25 00

REMEMBER WE GUARANTEE SATISFACTION. Address all orders to

JAMES D. COCKCROFT, Northport, Long Island, N. Y.

OUR PASTIMES.

New York.

There is a movement on foot to organize a bowling team among members of the trade in this city. It is a matter for regret that little interest has been shown for the past few years in this popular and national pastime of the florists.

There is plenty of good material out of which to organize a first class team, and the fact that the next S. A. F. convention and bowling tournament will take place in this state, should be additional incentive for a united effort. The following named young men are active promoters of the movement: Fred Lentz with David Clark's Sons, Seventy-fifth street and Broadway; Maurice Kleinman, with Myer, Fifty-eighth street and Madison avenue; Henry C. Reidel, with Alex J. Guttman, of 43 West Twenty-eighth street, and N. C. Schreiner, with A. M. Henshaw, 44 West Twenty-eighth street. Good bowlers, who feel that they are also stayers, who would like to get into the game should see Mr. Lentz or any of the others at once.

Cincinnati.

This week we have the National Bowling Tournament on at the O. N. G. armory. As there are any number of florists that are good bowlers we expect to see quite a number of visitors and trust we will not be disappointed.

S.

Chicago.

Chas. Balluff and Geo. Asmus are getting after the bowlers. It is more than likely that a team will be organized at the next Florists' Club meeting.

At the Flood.

Hearing of a rising river at the headwaters of the Euphrates, with a falling barometer and indication of a flood in the valley, the pithecanthropus changed his mind and frankly admitted it to Noah. His manner was that of a chastened and softened person.

"You monkeyed too long," said the patriarch. "We gave you a chance to come in with us, and you wouldn't take it. Now we have arranged for all the stock we care about trying to float." The general liquidation which followed had the usual effect upon all but the insiders.—Puck.

Ole Oleson Perplexed.

Bay Yiminiy, Ay'm glad to hear
Yon Yonson's in the race;
A son of Svaden, gude an' dear,
Ay bat he'll vin the place.
Ay'd lak to see heem mak' a win,
An' at the White House visit;
The Svades will put Yon Yonson in,
But which Yon Yonson is it?

Ay know Yon Yonson yumping logs,
Yon Yonson milking cows;
Ay know Yon Yonson training dogs,
Yon Yonson making house.
Ay know Yon Yonson, railroad yack,
On heem ay mak wan visit;
Of Yonsons ay know wan big pack,
O, which Yon Yonson is it?

In Stockholm, Copenhagen, too,
Are Yonsons bay the score;
Bay Yiminy, Ay tal you true,
In Minnesota more.
Yon Yonsons, coppers on the beat,
Svade servant girls they visit;
So many Yonsons Ay have meet,
O, which Yon Yonson is it?

You bat Yon Yonson gat ma vote,
Ay know beem gude an' true;
Yon Yonson deckhand on the boat,
Or capting of the crew.
Yon Yonson, milking cows, maybe
Ay don't care; Ay won't miss it;
It makes no deeference to me,
Which Yonny Yonson is it.

CARNATIONS

Good, Healthy and Well Rooted Stock.

WHITE	Per 100	Per 1000
White Enchantress	$6.00	$50 00
White Perfection	3.00	25.00
White Lawson	2.00	15.00
Lady Bountiful	2.00	15.00
Boston Market	2.00	15.00
Queen	2.00	15.00
PINK		
Enchantress	2.50	20.00
Rose P. Enchantress	3.00	25.00
Lawson	2.00	15.00
RED		
Cardinal	3.00	25.00
Victory	3.00	25.00

Lakeside Floral Company

HOUGHTON, MICHIGAN.

Truly Liberal.

Professional Faster—"I should like to undertake a fast of four weeks in this show of yours. How much will you pay me?"

Showman—"I can't give you any salary, but I will pay for your keep."—Fliegende Blaetter.

Well Satisfied.

AMERICAN FLORIST CO:—

I am well satisfied with your paper.

A. TAAFE.

Hoosick Falls, N. Y., February 5, '08.

DEFIANCE

The only scarlet with the real velvet color. It is there for quantity and quality. Let us have your order for early delivery.

$12.00 per 100; $100.00 per 1000.

JENSEN & DEKEMA, —674— W. Foster Ave., **Chicago. | W. N. RUDD, Morgan Park, Ill.**

CARNATIONS

Rooted Cuttings. Healthy stock.

	Per 100	1000
Winsor, Helen M. Gould, Beacon	$6.00	$50.00
White Enchantress	7.00	60.00
Melody, Victory	4.00	
Enchantress, Lady Bountiful, Red Lawson, Variegated Lawson, White Lawson, Daheim	3.00	25.00
Mrs. T. W. Lawson, Boston Market	2.00	15.00

Send for Catalogue.

WOOD BROTHERS

FISHKILL, N. Y.

CARNATIONS.

WELL ROOTED.

We offer the following Carnations in excellent condition, better stock has never been offered: **Winsor**, Beacon, Aristocrat and pure White Enchantress, $6.00 per 100; $50.00 per 1000. White Perfection, Victory, $3.00 per 100. Lawson, Var. Lawson, B. Market, Robt. Craig, Candace, $1.25 per 100; $10.00 per 1000; 5 per cent discount cash with order. If not satisfactory return at my expense.

W. W. COLES, Kokomo, Ind.

British Columbia Forest Lands in Reserves.

At one stroke of the lieutenant governor's pen, 150,000,000 acres of forest land in British Columbia have been placed in reserves. This includes every acre of the province's timberlands, except what has been leased. This is as much land as was put in the national forests of this country between the years 1891 and 1907. The action was taken to check wasteful exploitation of timber resources and to bring the care and cutting of timber more effectually under government control.

The province has been leasing timberland instead of selling it. The most of the leasing has been done the past three or four years, and Americans hold the largest part of the 10,000 leases now in force. The lease is, in its effect, a long-term option at low rate. It runs 21 years and may be renewed at the end of the first term. The lessee pays 25 cents per year until he is ready to cut the timber, when he pays a royalty of 50 cents per 1,000 feet, board measure, for the timber removed. The income of the province from leases was about $1,275,000 last year.

British Columbia is the latest of the great soft wood timber regions to be invaded by lumbermen. The great industry began its work in Maine two or three generations ago; passed later to the pine and hemlock forests of Pennsylvania and New York, and, when supply ran short there, they moved to Michigan, Wisconsin, and Minnesota. The pine woods of the lake states held out a long time, but the decline finally became so rapid that the scene of operations was shifted to Washington and Oregon. The output of the Puget Sound region rose to first place, and it is still at top notch. But holdings are harder to get, and buyers and speculators have crossed into British Columbia. While there are many rich stands of timber in the province, it is doubtful if the forest woods furnish a cut of more than 100 to 150 billion feet of lumber, less than what this country uses in 18 months.

British Columbia does not permit the export of logs cut on provincial land. They must be sawed by mills in the province, which evidently intends not only to take care of its timber, but to make the most out of it. An export duty has been seriously considered by the dominion government for all the provinces of Canada. It is apparent that British Columbia will not be slow to take any advantage which the further diminishing of the timber supply of the United States may afford her in the lumber trade.

WORCESTER, MASS.—Mrs. George S. Colburn, was thrown headlong from a sleigh at the corner of Lake and Park streets, February 5, and received a gash over the right eye that required eight stitches to close and also bruised the skull.

STRONG, WELL ROOTED

Carnation Cuttings.

I have 50,000 Enchantress, 25,000 Mrs. T. W. Lawson, and 20,000 Boston Market, ready for immediate delivery, in as choice a lot of cuttings as has ever been offered, and **AT PRICES THAT WILL INTEREST YOU.**

Let me quote you prices on the above; also on good, strong stock of the following varieties: White Enchantress, Beacon, Winsor, Aristocrat, Rose Pink Enchantress, Victory, Lady Bountiful, Mrs. M. A. Patten, White, Red and Variegated Lawson, and Harlowarden. **SATISFACTION GUARANTEED.**

A. F. LONGREN, Des Plaines, Ill.

CARNATIONS ROOTED CUTTINGS.

Aristocrat	Per 100, $ 5 00	Enchantress	Per 100, $ 2 00
Winsor	" 5 00	Lady Bountiful	" 2 00
Perfection (White)	" 2 75	Victory	" 2 75

Rose Pink Enchantress, $2.75 per 100.

SALVIA ZURICH. The Ever-blooming Salvia. Rooted cuttings, $1.75 per 100; 2-in. $3.00 per 100.

The Salvia Zurich was first introduced by us.

PERENNIAL GARDENS CO., Toledo, Ohio.

Mention the American Florist when writing

Rooted Carnation Cuttings

White.	Per 100	1000
White Perfection	$3 00	$25 00
White Enchantress	6 00	
Pink.	**Per 100**	**1000**
Enchantress	$2 00	$15 00
Rose Pink Enchantress	3 00	25 00
Lawson	1 75	15 00
Helen Goddard	2 50	
Aristocrat	5 00	
Red.	**Per 100**	**1000**
Beacon	$6 00	$45 00
Victory	3 00	25 00
Robt. Craig	3 00	25 00
Crimson.	**Per 100**	**1000**
Harlowarden	$1 75	15 00

ELI CROSS,

Cor. Ashland Ave. and Page Street. **Grand Rapids, Mich.**

Sprengeri, 2-in. 2c **Swainsonia alba,** 2-in.. 2c. **Ferns,** Pierson. Elegantissima. 2-in. 3c.

Rooted Cuttings prepaid per 100: **Flowering Begonias,** $1.25 per 100; **Paris Daisies,** yellow and white. $1.00 per 100; Alexandra $1.25. **Petunia,** double. 10 kinds $1.00; **Swainsona Alba,** $1.00. **Cuphea,** 75c. **Heliotrope,** 3 kinds $1.00. **Fuchsia,** 5 kinds. $1.25. **Vinca Variegata,** 90c. **Hardy Pinks,** 5 kinds. 75c. **Alternanthera,** 3 kinds. 50c. **Coleus,** 10 kinds. **Ageratum,** Gurney, Pauline, White, Inimitable, 60c. **Alyssum,** dbl. 75c **Salvia,** Bonfire, Splendens, 90c. **Feverfew.** Gem. $1.00. **Parlor Ivy,** 75c. **Cabbage Plants,** Wakefield, Express, Winningstadt, $1.00 per 1000.

Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

WE have a thousand or two of fine **Sarah Hill** and **Lawson-Enchantress** Carnations in 2½-in. pots, which we quote at $12.00 per hundred; Rooted Cuttings of same at $10.00. Should you like to try a hundred of them be sure and send your order in promptly.

GEO. A. KUHL,

PEKIN, ILLINOIS.

2,000 Asp. Sprengeri,

4-in. pots, extra strong, $10.00 per 100.

Cash with order.

EDWARD TATRO,

401 East Iron Ave., SALINA, KAS.

Neph. Whitmani

2½-inch.....$ 5.00 per 100
3½-inch..... 25.00 per 100

Boston Ferns 2¼-inch, $3.00 per 100.

Henry H. Barrows & Son, WHITMAN, MASS.

Mention the American Florist when writing

H. J. Smith

HARDY CUT FERN
DEALER, ETC.,

HINSDALE, MASS.

Mention the American Florist when writing

LARGEST STOCK OF ALL

Belgian Plants.

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

Louis Van Houtte Pere,

GHENT, BELGIUM.

Nephrolepis Amerpohlii

For immediate delivery. Good strong plants from 2½-in. pots, $15.00 per 100.

JANESVILLE FLORAL CO.,

JANESVILLE, WIS.

Mention the American Florist when writing

ARAUCARIAS.

Nice plants from 5-in. pots. 4 to 5 tiers

60c each. $5.50 per dozen.

The Conard & Jones Co. WEST GROVE, PA.

Extra Fancy Carnation Blooms

Shipped direct to all points. Special attention to telegraph orders. Give us a trial and be convinced.

J. D. THOMPSON CARNATION CO., Joliet, Ill.

Roses, Their History, Development and Cultivation.

The above is the title of a new book on England's national flower written by the Rev. Joseph H. Pemberton. The author is a well known rosarian, is a vice-president of the National Rose Society and, like many other English clergymen, is an enthusiastic and capable exponent of the art of rose growing. In size the work is large octavo, very nicely printed, and bound in green cloth. The frontispiece is a colored illustration of Rosa canina, the other illustrations being reproductions from various authorities on the subject. It is a bulky volume of over 300 pages and besides having full paged plates in black and white there are a number of others in the text explanatory of the various operations necessary to the successful cultivation of the queen of flowers. The book is divided into 18 chapters, without including the appendix and index. The subjects treated cover the widest possible area and are essentially of a practical nature. In our brief notice we can only glance at a few of the headings. In part I the chapters deal with "The Rose the Flower of England," "The Botany of the Rose," "British Wild Roses," "Wild Roses of Other Countries," "Summer Flowering Roses," and "Autumn Flowering Roses." Part II is devoted to cultivation, and among the subjects we notice: "The Soil and its Treatment," "Manures," "Planting," "Pruning," "Budding," "Cuttings, Grafting and Layering," "Raising from Seed," "Growing for Exhibition," "Exhibiting, Judging and Growing Roses Under Glass," "Pests," etc.

In a book of this character it is of course impossible to enlarge upon the cultural matters; details of culture in this country may differ widely from those in vogue in America, but we may justly assume that a volume of importance by a well known authority here in England may have many points of interest for American rosarians, and the newcomer is unquestionably a very important addition to the bibliography of this popular flower. Rose books are many, and the number of them increases year by year, but the one under notice will deservedly occupy a prominent place in the literature of the flower that everybody loves by virtue of the competence of the author to deal with the subject and his known position among European rose culturists. P.

FARGO, N. D.—Plans are being prepared for three large greenhouses at the agricultural college, and these structures will be erected during the summer. They will be 20x60 feet and one will be used for laboratory and propagating purposes, the other for experimental purposes. These houses are badly needed and will greatly facilitate the experimental work which is going on.

DALLAS, TEX.—Numa Reid Cook, for some time in the employ of the Green Floral and Nursery Co., died at the home of his sister, January 20. Mr. Cook was 30 years of age, was born in North Carolina and before coming to Dallas held positions with various growers in Pawtucket, R. I., Chester, Pa., and Lewiston, Me. He was a young man of much honor and ability and greatly esteemed by all his friends in the trade.

"THE TEST is what TELLS THE STORY."

When growers who buy by the 100 the first season order **thousands** the next—**IT MEANS MERIT.**

BEACON CARNATION

occupies this enviable position; as **an all winter blooming scarlet IT HAS NO EQUAL.**

Strong, vigorous, healthy cuttings, ready now, Per 100, $6.00; per 1000, $50.00.

Winsor	Per 100, $6.00; per 1000, $50.00	Rose Enchantress	Per 100, $4.00; per 1000, $35 00
White Perfection	" " 4 00; " " 35 00	Enchantress	" " 3.00; " " 25.00

Send Money Orders on Norwood, Mass.

PETER FISHER, Ellis, Mass.

Mention the American Florist when writing

CARNATIONS. Rooted Cuttings. Immediate Delivery.

	Per 100	1000		Per 100	1000
Winsor	$6.00	$50.00	Enchantress	2.00	20.00
Aristocrat	6.00	50.00	Lawson (pink)	1 75	15.00
Victory	3.00	25.00	Lawson, (white)	2.00	18.00

GERANIUMS, La Favorite, white, R. C., $1.00 per 100.

Stevia, Rooted Cuttings $1.00 per 100.

Asparagus Sprengeri, Strong 2-year old clumps, at $5.00 per 100.

Or will exchange the above for Montmort, Perkins, Poitevine or Viaud Geraniums.

—SATISFACTION GUARANTEED.—

E. T. WANZER, Wheaton, Ill.

Mention the American Florist when writing

CARNATIONS Now Ready

	Per 100	Per 1000
Afterglow the new pink, and **Brittania,** the English scarlet..$1.75 per doz.;	$12.00 per 100	
Pot plants, 2½ in	16.00 per 100	
Aristocrat, Winsor, Imperial, Beacon and **Pink Imperial**	6.00	50.00
White Perfection, Enchantress, Craig, Victory, Bountiful and **Patten**	3.00	25.00
Fair Maid, Variegated Lawson, Peary and **Lawson**	2 50	20.00

BOOKING ORDERS FOR GRAFTED ROSES OF ALL STANDARD VARIETIES.

Send for my complete list.

CHARLES H. TOTTY, Madison, N. J.

CARNATION CUTTINGS. Well Rooted. Ready Now.

SPECIAL PRICES

To clean out benches while this lot lasts.

	Per 100	Per 100		Per 1000	Per 100
Enchantress	$15 00	$2 00	Pink Imperial	$30 00	$3 50
Lawson	10 00	1 50	Pink Patten	15 00	2 00
J. E. Haines	15 00	2 00	White Perfection	25 00	3 00
Aristocrat	30 00	3 50	Winsor	50 00	6 00

ALBERT M. HERR, Lancaster, Pa.

Queen.

$10.00 per 1000; 3 000 for $25.00.

Strong, Well Rooted Cuttings.

PHILIP SCHUPP,

37 Randolph St, CHICAGO.

ANNOUNCEMENT

Our new seedling Carnation,

TOREADOR.

will not be disseminated until January 1909. For further particulars address

THE H. WEBER & SONS CO., Oakland, Md.

NEW ROSE

MY MARYLAND

Best Up-to-Date Commercial Rose.

Read what others have to say about it:

Among the many new roses of the year; there is none which has impressed us more as being worthy of a thorough trial. It has been exhibited only as No. 294; being a seedling raised by John Cook, of Baltimore. A beautiful rose with an exqusite fragrance. In color, it may be described as a soft salmon pink, which brightens up beautifully as the bud opens. We are intending to plant this rose in quantity. A. N. PIERSON, Cromwell, Conn.

In reply to your inquiry what we think of your new Rose My Maryland. We would say that after seeing others, we still believe that you have the Best New Rose of modern times. GUDE BROS., Washington, D. C.

PRICES: 2 and 2 1-2-inch pots, $25.00 per 100; $200.00 per 1000; 3-inch pots, $5.00 per dozen.

JOHN COOK, 318 N. Charles Street, BALTIMORE, - MD.

Cult of the Sweet Pea in England.

There is every evidence of the continued appreciation of the sweet pea in the United Kingdom. The National Sweet Pea Society has just issued a comprehensive schedule of prizes for its eighth exhibition to be held in London, July 24, 1908, and its second provincial show to be held in Dublin on August 5. For the fourth year in succession it has published the Sweet Pea Annual, the issue for 1908 being a neatly printed and nicely bound book, with numerous illustrations, in all about 100 pages. Among other literary matter relating to the society are articles entitled, "Sweet Pea Enthusiasts," "Mr. Burpee's Impressions," "Sweet Peas in New South Wales," "The Popular Vote for Sweet Pea Novelties," "Sweet Peas in Devonshire," "Sweet Peas in the Antipodes," "Catalogue of Sweet Pea Names," and many others.

The secretary of the society, Chas. H. Curtis, has also just brought out a handy little cultural manual entitled: "Sweet Peas and Their Cultivation," for home and exhibition. The leading chapters are "History and Development," "Cupid and Bush Sweet Peas," "The Best Sweet Peas," "Seeds and Seed Sowing," "Staking and Tying," "Watering and Manuring," "Sweet Peas for the Conservatory," and others. It is a nicely gotten up little treatise. P.

A New Chrysanthemum Journal.

Many of our readers are probably aware of the existence of Le Chrysantheme, a monthly journal devoted exclusively to the autumn queen and published by the French National Chrysanthemum Society at Lyons. We have now the pleasure to announce the publication of a new monthly periodical devoted to the flower entitled La Revue Chrysanthémiste. No 1 lies before us dated January 5. It contains 20 pages of printed matter and is published at the headquarters of a new chrysanthemum society at 28 Rue Bandin, Paris. The contents are "Our Programme," "The Chrysanthemum in Japan," "For Amateurs," "Culture of the Large Flowered Chrysanthemum," "Rules of the New Society," etc. It is curious, notwithstanding the popularity of the chrysanthemum in England and America, that only in France a special journal devoted to the flower seems possible. P.

TAUSENDSCHON.

or in English **THOUSAND BEAUTIES,** is the sensational new Climbing Rose of the year. Every florist should have it. Is not excelled for forcing purposes and for general planting by any Climbing Rose now known, **not even barring Crimson Rambler.** This is the coming forcing Rose. Get your stock early. It is beautifully illustrated in ten colors and gold in **Our New Guide to Rose Culture,** for 1908 the Leading Rose Catalogue of America. Copy **free** for the asking.

Strong plants of Tausendschon from 3-in. pots, 10 for $2.00; $15.00 per 100; $125.00 per 1000.

Single Hyacinths, all the leading named varieties King of the Blues, Czar Peter, Norma, etc., $3.00 per 100.

Single Hyacinths, all colors mixed, $2.00 per 100.

Double Named Hyancinths, Goethe, Lord Raglan, Pure d'Or, Blolksbergeb, etc., $3 00 per 100.

Crocus, Named Varieties, $3.00 per 1000; Mixed Yellow, Mixed Purple and Blue, $2,50 per 1000.

Narcissus, Paper White Grandiflora, $1.00 per 100; $8.00 per 1000.

Dahlias, all the leading varieties $45.00 to $50.00 per 1000. Send for list.

Cannas, all the leading varieties $10.00 per 1000 and upwards. Ask for list.

Rex Begonias, the largest and cleanest stock in the country, $5.00 per 100; $45.00 per 1000.

The Dingee & Conard Co., West Grove, Pa.

Mention the American Florist when writing

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

ROSES.

Maids, Brides and Golden Gates: strong 2 and 3-eye rooted cuttings, $1.50 per 100; $12 per 1000.

DAVIS BROS., Morrison, Ill.

ADIANTUM FARLEYENSE.

DREER'S MIXED FERNS
FOR DISHES

There always has been a scarcity of **First Class Ferns** during February and March, and in anticipation of this we have this season prepared an extra quantity of both 2¼ and 3 inch pot plants which are now in prime condition, better than we have ever been able to supply at this season of the year. We offer

	Per 100	Per 1000
2¼-in. pots, in choice mixture	$3.50	$30 00
3 " " " "	6.00	50.00

We also have an exceptional fine lot of

Adiantum Farleyense.

6-inch pots, fine specimens ..... $1.00 each
8 " " " " ..... 2.00 each

Nephrolepis Amerpohli

6-inch pans, elegant stock ..... $1.00 each

For a complete list of seasonable stock see our **Quarterly Wholesale List** just issued.

HENRY A. DREER
714 Chestnut St , PHILADELPHIA, PA.

Cincinnati.

BUSINESS SATISFACTORY.

The past week's business was entirely satisfactory with something doing all the time, and stock cleaning up nicely every day. We are experiencing a shortage of roses with the exception of American Beauty with which Weiland & Olinger keep this market well supplied. Killarney is getting to be one of the most popular of roses, the demand for this beautiful variety being way ahead of the supply. Carnations are coming along in larger quantities; $3 per 100 buys a fair grade and the blooms must be good to fetch $4 per 100. Lilies, both callas and L. Harrisii continue to be scarce and it takes some tall hustling to fill an order for 100 blooms. Lily of the valley is in good demand and the same may be said of Paper White narcissi, daffodils and other spring flowers such as tulips and freesias; nor must we forget the violet. Smilax is in good supply and moving well, but there is a shortage of asparagus at present writing.

NOTES.

The past week we had the American Canners Association convention in our city, about 3,000 being in attendance, among whom were a number of prominent seedsmen. It was impossible for the writer to get the names of all attending, but we noticed J. Charles McCullough of this city with a big badge marked "reception committee," which alone assures us that the delegates had a good time.

Mrs. Martha Bright, mother of Mrs. Robert Betz, passed away February 9, from causes incidental to old age. Mrs. Bright was an estimable old lady and always enjoyed having a large circle of friends, who will be grieved to hear of her death. Mrs. Betz has the sympathy of the craft in her bereavement.

Clarence Ohner and E. G. Gillett have started in the wirework business. This will give us three establishments for the manufacture of wire designs and from now on we ought to be able to take care of all the orders coming this way in the wirework line.

Mrs. Potter Palmer 2½-in., $15.00 per 100; $125 00 per 1000; 3½-in., $150.00 per 1000.

	R. C. per 1000	2½-in. per 100	2½-in. per 1000	3½-in. per 1000
American Beauties	$27.50	$6 50	$60.00	$80 00
Maids. Brides	18.50	4 50	40.00	60.00
Uncle John	18.50	4.50	40.00	60.00
Richmond	18.50	4.50	40.00	60.00

Cardinal 2½-in., $15.00 per 100; $125 00 per 1000; 3½-in., $150 00 per 1000.

	R. C. per 1000	2½-in. per 100	2½-in per 1000	3½-in. per 1000
Chatenay	18.50	4.50	40.00	60 00
Perles		5.00	45 00	65.00
Sunrise		5.00	45.00	
Killarney	35 00	6 00	55 00	75.00
Kaiserin	18.50	4.50	40.00	60.00

CARNATIONS.

	Rooted Cuttings per 100	2½-inch per 1000	per 100
White Lawson	$2.00	$20.00	$35.00
Pink Lawson	2 00	20.00	35.00
Variegated Lawson	2.20	20 00	35.00
Red Lawson	2 00	18.00	32 00
Victory	3 00	25 00	40.00
Beacon	5.00	45.00	60 00
Welcome	5.00		
Winsor	5.00	45 00	60.00

	Rooted Cuttings per 100	2½-inch per 1000	per 100
Rose Pink Enchantress	3.00	25.00	40.00
Enchantress	3.00	25 00	40.00
White Enchantress	5 00	45.00	60.00
Aristocrat	5.00	45 00	60 00
White Perfection	4.00	35.00	50.00

We have an exceptionally large stock of the Lawsons, Victory, Winsor and Beacon.

In Season—	2½-in. Per 100	per 1000	3-in. per 1000
Smilax	$2 50	$22.00	$35.00
Asparagus Sprengeri	3.00	25.00	35.00

Asparagus Plumosus, 6-in. stock for benching $15.00 per 100 $125.00 per 1000.
Chrysanthemums in season.
Price list mailed on application.

POEHLMANN BROS. CO., Morton Grove, Ill.

R. A. Betz has moved his wirework establishment to 128 East Third street, the quarters formerly occupied by William Murphy, which will prove a better location and give him as much space again as he had in his old quarters.

Max Rudolph has not been around the wholesale houses much of late and he gives the excuse of being very busy with funeral work. We like to have Max come around occasionally, as he is always very optimistic.

London.

At the Royal Horticultural Society's meeting, January 28, H. B. May & Sons were awarded a medal for a fine exhibit of ferns, including Nephrolepis Whitmani, N. todeaoides, N. elegantissima and N. Amerpohli, the last named obtaining an award of merit. Banksian medals were also awarded H. Burnett and Hugh Low & Co. for carnations, the former showing Mrs. H. Burnett, White Perfection, Enchantress, Robt. Craig and a number of seedlings, Low's exhibit consisting of Helen M. Gould, Winsor, Salmon Lawson, Rose Pink Enchantress, White Perfection and Victory.

T. Jannoch, of Dersingham, Norfolk, says his cyclamens, figured in THE AMERICAN FLORIST, are much improved since being shown before the Royal Horticultural Society. He has had the honor of a visit from the king and Princess Victoria, specially to see them, and he was highly pleased.

At Covent Garden, white lilac in 6-inch pots made $1:25 each and bulb stock, both in pots and cut, is now plentiful. Azaleas are fine and trade is fair, but the frost does not improve matters any.

The untimely death of Geo. Rochford, well known as a grower of palms and ferns, is much regretted. He was flooding his lawn for skating when he tripped and fell, twisting his stomach. S.

Spring List
2½-in. ROSES 4-in.
now being mailed. Get yours?
THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO
Mention the American Florist when writing

NEW NEW
RAMBLER ROSE
"NEWPORT FAIRY"
To be disseminated Spring 1908. Ask for illustrated pamphlet and prices.
JULIUS ROEHRS CO., Rutherford, N. J.
Mention the American Florist when writing

Milwaukee.

BRIDE ROSES SCARCE.

Owing to the very disagreeable weather that we have been having the past two weeks there has been rather a slow sale on most articles. This has especially been true of all bulbous flowers which are not taking near as well this season as in former years. There is sufficient stock of all kinds for the demand with the possible exception of Bride roses, these being somewhat short of the demand.

NOTES.

At the last meeting of the Milwaukee Florists' Club it was decided to hold a dancing party, February 26. The committee consisting of Gustave Rusch, C. C. Pollworth and A. Leideger promise that every one will have a fine time. At the March meeting we will have a carnation show. All those desiring to exhibit will please correspond with the secretary, M. P. Vallier, Station D., R. 2.

Nic. Zweifel, who attended the carnation meeting in Washington, is back full of new ideas and enthusiasm for the carnation, which he grows so well.

Hunkel's Seed Store report that inquiries and orders are coming in a very satisfactory manner and the season promises to be a very good one.

John Arnold, who has been laid up for several weeks with rheumatism, is again able to be about his business.

M. P. Vallier intends adding two houses for carnations. H.

LINCOLN, NEB.—C. H. Frey is building four houses 28x200 feet each.

JERSEY CITY, N. J.—The wife of Daniel Cole, the Newark avenue florist, died February 1 at Morristown. Her death ends a protracted fight in the court of chancery to have her declared sane. Mrs. Cole, for several years had been confined—first in a sanitarium for the insane in New York and later in the state hospital for the insane at Morris Plains, a suburb of Morristown.

A FEW GOOD THINGS YOU WANT.

Asparagus Sprengeri. 2-in., $2.50 per 100; 3-in. $5.00 per 100. Seedlings, $1.00 per 100.
Geraniums, S. A. Nutt, John Doyle, Perkins. Ricard. Double Gen. Grant, 2-in. pots, $2.50 per 100: Rooted Cuttings, $1.25 per 100. E.H. Trego, Castellane. Poitevine, Viaud, 2-in. pots, $3.00 per 100; rooted cuttings, $1 50 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100; 3-in., $5.00 per 100.
Boston Ferns, 5-in., 30c each.
Vinca Var. 2-inch, $2.00 per 100.
Dracena Indivisa, 2-in. $3.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers. after being delivered to the Express Companies properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

Mention the American Florist when writing

SPECIAL We offer this week:

	Per 100
400 Arg. Guttata **Begonias,** 2½-in.	$3.00
400 Dew Drop and Erfordia, 2 to 2½-in.	3.00
100 Rubra. 2½-in.	3-50
1000 assorted. 6 to 10 varieties. 2 to 2½-in.	2.50
2½-in. **Petunias**. fine double fringed. 3 vars.	2.50

Write us at once in regard to **Hydrangeas, Lilies, Azaleas,** etc. Ask for our spring list.

Special Values in Bostoniensis Ferns.

5000 2½-in., worth $5.00, for	$ 3.50 per 100
1000 4-in., worth $15 00, for	12.50 per 100
1000 5-in., worth 25 00, for	22.50 per 100
1000 6-in., worth 50.00, for	37.50 per 100

This special is for cash, and satisfaction guaranteed or money refunded. Ask for our complete list of **Ferns** and **Soft Wooded Plants.** Price good until Feb. 5. unless sold out before.

GEO. A. KUHL, Wholesale Grower, **Pekin, Ill.**

ALWAYS IN DEMAND.

Araucaria Robusta Compacta and Excelsa Glauca.

The lion of the Araucaria family, as big as a Christmas tree, perfect jewels in shape and color, about the same in width as in height. Specimen plants, 6 to 7-in. pots, 6 years old, 4-5 tiers, 28, 30, 35, 40 in. high, worth a ten dollar bill, only $3.00; 6-in. pots, 6 years old, 4, 5, 6 tiers, about 25 to 28 in. high, $2.50; 6-in. pots, 5 years old, 3, 4, 5 tiers, 20 to 25 in. high, $2.00; 6-in. pots, 5 years old, 3-4 tiers, 18 to 20 in. high, $1.50 to $1 75; 6-in. pots, a trifle smaller, 3-4 tiers, Glauca only (no Compacta), $1.25.

Araucaria Excelsa, 6 years old, 6 to 7 in. pots, 5-6 tiers, 25-30 in. high, $1.50; 6-in. pots, 5 years old, 5 tiers, 22-25 in. high, $1.00 and $1.25; 6-in. pots, 4 to 5 years old, 4-5 tiers, 20-22 in. high, 75c; 5¼-in. pots, 2 years old, 2-3 tiers, stocky little plants, 6-7-8 in. high, 40c. Sold out of 50-60c sizes.

Kentia Belmoreana and **Forsteriana,** Belgium and home-grown stock, 4-in. pots, 18 to 20 in. high, 35c; 5¼, 5½ and 6 in. pots, bushy plants, 50c, 60c and 75c each.

Asparagus Plumosus Nanus Compacta, 4-in. pots, $10.00 per 100.

Dracena Bruanti, from Belgium, full of green foliage from bottom to top, 6-in. pots, 22 to 25 in. high, 40c each

Begonia Improved Erfordii, 4-in pots, very large $2.00 per doz.; 5¼-in., in bloom and bud, 25c each, or $3.00 per doz. **Begonia Gracilis,** dark red, in bloom, 5¼-in. pots, 25c.

Cineraria Hyb., 4.in. pots, fast strain, $10.00 per 100; 5-in., $2.00 per doz.

Cyclamen Grandiflora, 4-in., in bud and bloom, 20c.

Ficus Elastica or **Rubb er Plant,** home grown and Belgium stock, 5, 5½, 6 and 7 in. pots, 30c, 35c, 50c, 60c and 75c each.

☞ Now is the time to force **Hydrangea Otaksa** for Easter blooming. Remember only pot-grown will force successfully for Easter. We raise ours in pots outside in cold frames during summer. Can spare of these about 500 plants from 6 to 7-in. pots. Price, 25c, 35c, 50c and 75c each.

Cocos Weddelliana (Palm), 3-in. pots, 12-15-18 in. high, 15c to 18c each.

Azaleas, red and variegated, in bloom, 75c.

Azalea Indica for Easter blooming. Have an immense stock grown for us in Ghent, Belgium, by an expert in azaleas. Have only leading varieties, such as Mme. Van der Cruyssen (2,500 alone, all shapely plants, full of buds), Simon Mardner, Vervæneana, Bernard Andreas Alba, Apollo, Niobe, Deutsche Perle, Prof. Wolters, Empress of India, and others; 6-in. pots, 50c; 6-7 in. pots, 60c 75c, $1.00, $1.25, $1.50, $2.00 to $2 50 each.

Latania Borbonica, 4-in. pots, about 18 to 20 in. high, 25c each.

Choice Nephrolepis, all pot-grown.

A middle bench full of choice **Whitmani Ferns** in splendid shape, 7-in. pots, bigger than 8 in., made up in July (three plants in pot), now big as a bushel basket, worth $3.00, and are beauties, cut down to $1.50 and $1.25 per pot; 6-in. pots. very handsome, 75c to $1.00 eacF.

Boston Ferns, 8-in. pots, made up, very bushy, as big as a wash-tub, worth $3.00, only $1.25 to $1.50; 7-in pots, as big as a bushel basket, worth $2.00, price 75c to $1.00; 6-in. pots, very large, only 50c; 5-5½-in. pots, 30c, 35c and 40c.

Scottii Ferns, 7-in. pots, very large, $1 00 to $1.25; 6-in. pots, 50c, 60c and 75c.

Piersoni Ferns, 6-in., good, 50c; 5-5½-in. 30c, 35c and 40c; 4-in. pots, 25c.

Please mention if in or out of pots. All goods must travel at purchaser's risk. Cash with order, please

GODFREY ASCHMANN, 1012 West Ontario Street, **Philadelphia**

Importer, Wholesale Grower and Shipper of Pot Plants.

Mention the American Florist when writing

Pelargoniums

We have a fine lot of strong plants in 3-in. pots of Purity, Countess of Crew, Duke of Cornwall, Galatea; Gloriosa; Lady Carrington; Tommy Dodd, and others at $1.50 per doz., $6.00 per 100.

Geraniums

Our new illustrated catalogue mailed to the trade. We have a fine lot of Standard varieties and novelties from $2.00 per 100 up, good stock from 2-in. pots. We will send one thousand, 50 each of 20 good sorts for $18.50, five hundred for $9.25. Cash with order. Not less than 500 sent at this price.

See last week's issue for miscellaneous stock including Dahlia roots,

R. Vincent Jr. & Sons Co., **WHITE MARSH, Balto Co., MD.**

10,000

Dbl. Red Geraniums

Best bedders. 2½-in. $3.00 per 100; $25.00 per 1000. Send for samples. Good, strong plants. **MUST HAVE ROOM.**

SCHMAUS BROS., Paducah, Ky.

Mention the American Florist when writing

GERANIUMS

ROOTED CUTTINGS.

All engaged until early in March. Will have a big lot then. Send for list and place your order if wanted at that date.

ALBERT M. HERR. Lancaster, Pa.

ROOTED CUTTINGS. Prepaid per 100. Heliotrope German Ivy, 75c; Alternanthera 50c; Fuchsia, Coleus, Ageratum, Verbena 60c: Salvia, Vinca, 85c. Giant Marguerite Daisy, yellow. Cash. List Free.

SHIPPENSBURG FLORAL CO. Shippensburg, Pa

PANSY PLANTS.

	Per 1000	100
Giant Flowering	$ 2.50	.50
Coleus, 10 varieties, 2¼-in. pots		2,00
Canna, C. Henderson, dry bulbs		2.00
Geraniums, 10 vars., 2½-in. pots	25.00	3.00
Vinca, Variegated, 2¼-in. pots		2 50

—CASH.—

JOS. H. CUNNINGHAM, Delaware, O.

Mention the American Florist when writing

Alternantheras.

Strong rooted cuttings, red and yellow, 50c per 100, or $4.00 per 1000. **Brilliantissima** 60c per 100, or $5.00 per 1000.

DAVIS BROS., Morrison, Ill.

Mention the American Florist when writing

Massachusetts Horticultural Society.

Frederick Law Olmsted, Jr., was the speaker at Horticultural Hall February 1, in the Saturday lecture course under the auspices of the Massachusetts Horticultural Society. Vice-President William H. Spooner called to order the 100 or more people who had braved the storm, and introduced the speaker, whose subject was "The Treatment of Home Grounds."

Prof. Olmsted said that much of the best that could be said about the treatment of home grounds was written many years ago. The proper treatment was not one of decoration, but of the adaptation of the grounds to their uses. Home grounds should be refined. Every part and particle of the work done should fit with all the other parts. The beauty most to be desired is that of inherent and comprehensive quality, and decoration often hides this. In the treatment of home grounds decoration should be subordinated to the shaping and arrangement of everything so that one may do best that which he wishes to do on those grounds.

The principal elements which go to make up home grounds were then considered. There are certain spaces, each of which is wanted for some purpose. These may be distinctively differentiated by boundaries, or there may be only a suggestion of a division. The recognition of that division and the adapting of each to what is to be done are essential. The recognition of boundaries, more or less sketchy, is the fundamental feature. Each of these must be treated differently. You cannot raise hay and raise cattle in the same field. And the same thing must be done in an aesthetic way. You must have, within any space, beauty of a character different from that of the other spaces. A surface must be provided having a certain element of light and shade. You must have objects rising from the general surface, but they must be so limited that they will not be obstructions to the sweep of the eye or they must be boundaries of spaces, or of intermediate spaces.

In planting, a point constantly overlooked is that objects three or four feet high do not interrupt the sweep of the eye and fall into the general space, and that objects which are about the height of the eye interrupt the vision and detract from the plan. As many of the common shrubs are about this height or soon grow to it, they must be so arranged and so few in number that they will be an incident, and not a feature of the view.

The passageways from space to space, in the form of paths or roads, must be considered in each case by themselves. The proportion of the space through which one must pass, so far as its general aspect to the visitor is concerned, the space which is devoted to the more intimate family life and in some cases the servant's quarters, are to be considered separately. The English give little space to the first feature, as compared with Americans, but we do not sufficiently consider the difference between the part devoted to the public, so to speak, and the part used by the family. The segregation of the service portion is essential. You do not want to see fluttering clothes all over the place, or the ash barrels at the entrance. Each thing should have a place, and each thing should be kept in that place. Mr. Olmsted then showed on the screen a large number of beautiful views and plans illustrating further the points made in his lecture.

NEW VIOLET BOSTON.

In introducing this new variety to the trade I wish to state that I have been growing it in quantity for the past two years and do not hesitate to state that it is entirely distinct a strong grower a free bloomer and the finest single violet in cultivation. Ready for distribution in April and May. Orders booked now. **$2.00** per doz.; **$12.00** per 100; **$100.00** per 1000. 500 at 1000 rates.

WILLIAM SIM, Cliftondale, Mass.

Cinerarias

3, 4, 5 and 6 inch pots, **80c, $1.75, $3.00** and **$4.75** per doz:

Write for prices on **BEDDING PLANTS.**

Please send cash with order.

CHAS. SHERWOOD,
WATERLOO, IA.

60 Choice Varieties of VERBENAS

PERFECTLY HEALTHY—NO RUST.

ROOTED CUTTINGS, our selection.....$0 75 per 100; $ 6 00 per 1000
PLANTS, our selection, 2¼-inch pots..... 2 50 per 100; 20 00 per 1000

ROOTED CARNATION CUTTINGS Clean and Healthy...

WHITE VARIETIES.	Per 100	Per 1000
White Perfection	$6 00	$50 00
White Enchantress	6 00	50 00
Lady Bountiful	3 00	25 00
My Maryland	3 00	25 00
The Queen	2 00	17 50
Queen Louise	2 00	17 50
Flora Hill	1 50	12 00
RED VARIETIES.		
Cardinal	$3 00	$25 00
Robert Craig	3 00	25 00
Flamingo	2 50	20 00
Crisis	2 00	17 50
Portia	1 50	12 00
Governor Roosevelt	2 00	17 50
Harlowarden	2 00	17 50

PINK VARIETIES.	Per 100	Per 1000
Enchantress	$3 00	$25 00
Mrs Thomas Lawson	2 00	17 50
Dorothy	1 50	12 50
Mrs E A. Nelson	1 50	12 00
William Scott	1 50	12 00
Mrs. Francis Joost	1 50	12 00
YELLOW VARIETIES.		
Golden Beauty	$2 00	$17 50
Buttercup	2 50	20 00
Eldorado	2 00	17 50
VARIEGATED VARIETIES.		
Jessica	$3 00	$25 00
Mrs. M. A. Patten	2 50	20 00
Judge Hinsdale	2 50	20 00

60,000 Grafted Roses for Forcing THE FINEST GROWN.

Orders booked for delivery in April, May and June.

	Per 100		Per 100
Chatenay, Killarney, Richmond Liberty, La France, rose pots	$15 00	Bride, Bridesmaid, Golden Gate, Kaiserin, rose pots	$10 00
3½-inch pots	18 00	3½-inch pots	15 00

OWN ROOT ROSES.....$9 00 and $7 00 per 100

— SEND FOR PRICE LIST. —

J. L. DILLON, Bloomsburg, Pa.

Mention the American Florist when writing

Stock YOU NEED NOW.

GERANIUMS.	Per 100
A. H. Trego, John Doyle, S. A. Nutt, Berthe de Pressily, Mme. Barney	$2 50
Our choice of varieties, in pink, red and white	2.00
BEGONIAS.	
Marjorie Daw, Thurstoni, Metallica, Rubra and Argentea Guttata	4.00
Tuberous Rooted, Single, in named colors, white, pink, scarlet, crimson and yellow	$3.00
Mixed	2.50
Tuberous Rooted, Double, in named colors, white, pink, scarlet, crimson and yellow	5.00
Mixed	4 00

Cannas. We have a large list of standard varieties including Chas. Henderson, Crimson Bedder, Beaute Poitevine, Florence Vaughan, Queen Charlotte, Souv. de Antoine Crozy, etc.; strong two-eye divisions .....$3 00 per 100; $25.00 per 1000

Dahlias. (Field-grown roots.) Wm. Agnew, Countess of Lonsdale, Nymphæa, Mrs. Wellesley, Admiral Dewey, A. D. Livoni and Fern Leaf Beauty ..$5.00 per 100
Grand Duke Alexis and Kriemhilde..... 7.00 per 100

Marguerites. Queen Alexandra $3.00 per 100
Coronation..... 3.00 per 100

Boston Ferns. Plants well established, in 2½-inch pots, $4.00 per 100; $30.00 per 1000.

Small Ferns. For Dishes. .....$2 50 per 100

Asparagus Plumosus Nanus.
2½-inch pots, $3.00 per 100; $25.00 per 1000.

Bougainvillea Glabra Sanderiana.
2½-inch, $4.00 per 100; 4-inch, ready to bloom ..... $20.00 per 1000

Boxwood. Pyramids, 36 inches high. .....$1.75 each

Boxwood. Bush form, very heavy, 30 to 36 inches high.....$2.00 each

Rhododendrons. Short, well formed plants for pots, full of buds,
18-inch size.....$ 9 00 per dozen
24-inch size..... 12.00 per dozen

Azalea Mollis. Bushy plants, full of buds and easy to force,
12 to 15 inches high.....$25.00 per 100
15 to 18 inches high..... 35.00 per 100

Kentia Palms in all sizes.

Latania Borbonica. 7-inch pot plants, 5 to 6 leaves, 18 to 20 inches high, 75c each; 8-inch pot plants, 6 to 7 leaves, 20 to 22 inches high.....$1.25 each

THE STORRS & HARRISON CO., Painesville, Ohio

Mention the American Florist when writing

NEW! NEW.

A Money Maker.

Carter's Dbl. Blue Lobelia

$2.00 per doz. $16.00 per 100.
Cash with order.

J. FULLER, 31 Orchard St. Leominster, Mass.

GERANIUMS.

Strong, well rooted

S. A. Nutt Cuttings from 2-in. pots $18.00 per 1000.

Cash must accompany every order on account of reasonable price made on same.

C. B. KNUTH, 11801 St. Clair Ave. CLEVELAND, OHIO.

Berkshire Petunia

A fine, free flowering fringed pink double Petunia. Flowers measuring 3 inches across; a most valuable acquisition, with no "fancy" price attached.

ROOTED CUTTINGS,
$2.50 per 100; $20.00 per 1000; 500 at 1000 rates.

Stock grown at and sent from Pittsfield, Mass.

S. S. SKIDELSKY
1731 N. 18th St., Philadelphia, Pa.

Denver, Colo.

Business has been much better since February 1. Bulb stock is coming in very freely; daffodils and tulips are coming in in good condition for this time of year. The weather continues very mild, which probably accounts for our not having a brisk trade, as flower buyers appreciate cold weather.

We are going to have quite a number of changes in the business this coming spring. The Colfax Avenue Floral Co. has sold out to the Park Floral Co. who now control both plants. The Park Floral Co., has also bought out the Alpha Floral Co. It looks as though this company expects to control the florist business of the town, but I think there will be a good many changes this summer on the street that will counteract that, as there will undoubtedly be two or three new firms open up for business for next year.

BUSH.

Orange, N. J.

The fourteenth installation love feast of the New Jersey Floricultural Society was celebrated February 7, by the members and friends from various parts of the country. The new president, Malcolm MacRorie, acted as master of the ceremonies and a long programme, consisting of vocal and instrumental music selections and dialect character recitations, and a wonderful prestidigitator with addresses by many prominent in the craft. Among those present who addressed the gathering were: Thomas Gray of Boston, Mass.; J. B. Kidd, expert seed appraiser of the port of New York; Wm. Duckham; A. Herrington; C. H. Totty; and W. A. Manda. The presentation of four silver cups, won in the monthly competitive shows during the year past, was made to Peter Duff, Wm. Reid, Max Schneider and A. T. Caparn with appropriate remarks by George Smith.

Letters were read from H. Webber, John E. Haines, Chicago Carnation Co., and F. R. Pierson, in connection with the special carnation night to take place in March. The Rickards brothers dispensed sweet music. The floral decorations were contributed by growers upon neighboring estates and consisted mainly of carnations, flowering bulbs and a vase of Euphorbia jacquiniæflora with sprays two feet long, which Arthur Herrington declared he had not seen the like of since the days of his boyhood in England.

J. B. D.

NEW CASTLE, IND.—Wm. Dittman and his son will make an extended trip through Florida and Cuba, mainly for pleasure, and will try fishing for some of the big tarpon on the Florida coast.

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are becoming more and more popular every season for cut flowers, and every florist should plant liberally of these plants in the spring. By ordering now plants can be propagated in greenhouse.

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Jno. Downie, crimson	6 00	1 00
Sunningdale, blush white	6 00	1 00
Lustre, cheerful rosy pink, shading to blush at centre	6 00	1 00

Cactus Dahlias.

	Clumps Per 100	doz.
Mrs. A. Beck, twisted petals, rich salmon red with scarlet reflex	$ 6 00	$ 1 00
Prof. Baldwin, cardinal red	6 00	1 00
Countess of Lonsdale, a peculiar but pleasing blending of salmon, pink and amber a color difficult to describe	10 00	1 50
Kriemhelde, pink shading to white at center	10 00	1 50
F. Bartels, bright scarlet	10 00	1 50
Miss A. Nightingale, bright red shading to golden yellow at center	10 00	1 50

Show Dahlias.

	Clumps Per 100	doz.
A. D. Livoni, a pure quilled pink	$10 00	$ 1 50
Camilla Alba, pure white dwarf and bushy	10 00	1 50
One lot of good varieties of all kinds mixed	3 00	50
One lot mixed yellow	00	50

Decorative Dahlias.

	Clumps Per 100	doz.
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Iridescent, vivid red tipped with blue	10 00	1 50
Sylvia, pink white to center	10 00	1 50
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Evansville, Ind.

Ben F. Kramer has had unusual success with his carnations this year. For next year he will grow Beacon and White Enchantress as his leaders. Miss Warnman, the young lady in charge of the cut flower work, says business during and since the holidays has been better than ever before.

Ed. Fenton, at Royston & Fenton's, recently established, is making good progress, his specialty being roses. Mr. Fenton was formerly with Poehlmann Bros. Co., Chicago, and later with Julius Niednagel, this city.

The Chicago exhibition of the American Rose Society will be visited by representatives of the Wm. Blackman Floral Co., Julius Niednagel and probably others. Miss Warnman, of Kramer's, expects to attend.

George Blackman, of the Wm. Blackman Floral Co., reports shipping trade as exceedingly brisk; his eldest daughter, who has been seriously ill, is now on the way to recovery.

Miss Nellie Goodge has a nice line of foliage plants, ferns and bedding stock coming on for use at Oak Hill cemetery the coming season.

H. Seymour has a fine lot of geraniums coming on for the spring trade. Funeral work has kept him quite busy lately.

The Ziedler Floral Co. reports heavy funeral business since the holidays. This firm's carnations are doing well this season.

John Elsperman's boys have been rushing the work on a nice line of bedding stock during their father's illness.

J. D. Carmody left for Panama February 8.

Visitor: Paul Halbrooks, representing the Livingston Seed Co., Columbus, O.

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COLORADO SPRINGS, COLO.—At a meeting of the Horticultural Society, January 28, it was decided to publish a book on native flowers and shrubs. A committee was appointed to take charge of the matter. The society will send delegates to the state society convention in Canon City February 25.

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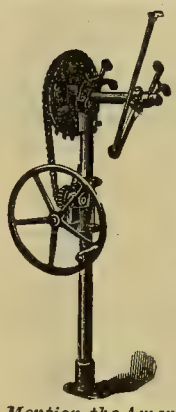

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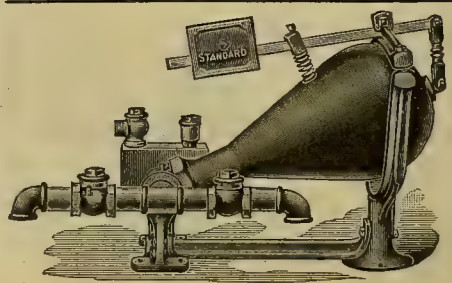

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Ampelopsis Veitchii, strong, well rooted plants. 20 to 30-inch tops, well graded, $2.50 per 100; $20 per 1,000; 1-year-old for transplanting, 12 to 24-inch, $1.50 per 100; $12 per 1,000; 2,000 for $20. For sample send 25c, which will be credited on the first order. Charles Black, Hightstown, N. J.

ARAUCARIAS.

Araucarias, Robusta and Excelsa, 6 to 7-in., 4 to 5 tiers, 28 to 40 ins., $3; 6-in., 4 to 6 trs., 25 to 28 ins., $2.50; 6-in., 3 to 5 trs., 20 to 25 ins., $2; 6-in., 3 to 4 trs., 18 to 20 ins., $1.50 and $1.75; 6 in., 3 to 4 trs., glauca only, $1.25. Excelsa, specimen, 6 to 7 in., 5 to 6 trs., 25 to 30 ins., $1.50; 6-in., 5 trs., 22 to 25 ins., $1; 6-in., 4 to 5 trs., 20 to 22 ins., 75c; 5½-in., 3 to 4 trs., 12 to 16 ins., 50c and 60c; 5¼-in., 2 to 3 trs., 40c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Araucarias, 5-in., 4 to 5 tiers, 60c each; $5.50 per doz. Conard & Jones Co., West Grove, Pa.

Araucarias. L. Van Houtte, Ghent, Belgium.

ASPARAGUS.

Asparagus plumosus, 2-in., strong, $3 per 100, $25 per 1,000; 3-in., strong, $7 per 100, $65 per 1,000; 4-in., strong, $12 per 100, $100 per 1,000; 5-in., strong, $20 per 100; $175 per 1,000; strong seedlings, ready to pot, $1.25 per 100, $10 per 1,000. Vaughan's Seed Store, Chicago and N. Y.

Asparagus plumosus, 2½-in., $3.50 per 100; $30 per 1,000; 3-in., 6c; 3½-in., 10c; 4-in., 12c; 5-in., 20c; 6-in., 30c. Comorensis, 2-in., 2c; 2½-in., 3c; 3½-in., 6c. Sprengeri, 2½-in., 3c; 3½-in., 8c; 4-in., 10c. J. W. Dunford, Clayton, Mo.

Asparagus plumosus, 2-in., $2.75 per 100; $25 per 1,000; Seedlings, $1.25 per 100; $9 per 1,000. Wm. F. Kasting Co., Buffalo, N. Y., or Erie Floral Co., Erie, Pa.

Asparagus Sprengeri, 4-in., 6c; 3-in., 4c. Plumosus nanus, 3-in., 4c; 2½-in., 3c. J. D. Thompson Carnation Co., Joliet, Ill.

Asparagus plumosus, 2½-in., $3 per 100; $25 per 1,000. Storrs & Harrison Co., Painesville, O.

Asparagus plumosus, 3-in., $7 per 100; 4-in., $10. G. Aschmann, 1012 W. Ontario St., Phila.

Asparagus plumosus, 2¼-in., $3.50 per 100; $30 per 1,000. W. H. Elliott, Brighton, Mass.

Asparagus Sprengeri, 2½-in., $3 per 100; $25 per 1,000; 3-in., $35 per 1,000; Plumosus, 6-in., for benching, $15 per 100; $125 per 1,000. Poehlmann Bros., Morton Grove, Ill.

Asparagus Sprengeri. 2¼-in., extra strong plants ready to shift into 3½-in., $2.50 per 100. The Perennial Gardens Co., Toledo, O.

Asparagus Sprengeri, 4-in., $10 per 100. Edw. Tatro, 401 E. Iron Ave., Salina, Kans.

Asparagus. Sprengeri, 2-yr. clumps, $5 per 100. E. T. Wanzer, Wheaton, Ill.

Asparagus Sprengeri, 2-in., 2c. Byer Bros., Chambersburg, Pa.

Asparagus plumosus, 3-in., $5 per 100. Buffulo Cut Flower Co., Buffalo, N. Y.

Asparagus, 8-yr. roots, $5 per 100. Rhubarb clumps, $6 per 100; small, $3 per 100. Warren Shinn, Woodstown, N. J.

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AZALEAS.

Azaleas. J. W. Dunford, Clayton, Mo.

Azaleas, Schryverlana, Simon Mardner, Vervæneana, Mme. Van der Cruyssen. Deutsche Perle 8 to 10 ins. diam., $3.50 per doz; $25 per 100; 10 to 12 ins., $4.50 per doz.; $35 per 100; 12 to 14 ins., $6 per doz.; $45 per 100; 14 to 15 ins., $7.50 per doz.; $60 per 100; 15 to 16 ins., $9 per doz.; $75 per 100; 16 to 18 ins., $12 per doz., $90 per 100; 18 to 20 ins., $25 per doz.; $200 per 100; 20 to 24 ins., $36 per doz.; $300 per 100. Bobbink & Atkins, Rutherford, N. J.

Azalea mollis, full of buds, 12 to 15 ins., $25 per 100; 15 to 18 ins., $35 per 100. Storrs & Harrison Co., Painsville, O.

Azalea Indica, leading vars., 6 and 7-in., 60c to $2.50 each. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

Azaleas. Jacs Smits, Ltd., Naarden, Holland.

BAY TREES.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

Bay trees. L. Van Houtte, Pere, Ghent, Belgium.

Bay trees. W. & T. Smith Co., Geneva, N. Y.

BEGONIAS.

Begonias. Marjorie Daw, Thurstoni, Metallica, Rubra and Argentea guttata, $4 per 100. Tuberous rooted, single, named colors, $3 per 100; mixed, $2.50 per 100; double, $5 per 100; mixed, $4 per 100. Storrs & Harrison Co., Painesville, O.

Begonias, argenteo guttata, 2½-in., $3 per 100; Dew Drop and Erfordia, 2½-in., $3 per 100; rubra, $3.50; assorted, 6 to 10 vars., $2.50. Geo. A. Kuhl, Pekin, Ill.

Rex begonias, $5 per 100; $45 per 1,000. Dingee & Conard Co., West Grove, Pa.

Begonias, flowering, R. C., $1.25 per 100. Byer Bros., Chambersburg, Pa.

Begonia Gloire de Lorraine, 2¼-in., $15 per 100; $140 per 1,000. Wm. F. Kasting, Buffalo.

Begonias. L. Van Houtte, Pere, Ghent, Belgium.

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BOUGAINVILLEAS.

Bougainvillea glabra Sanderiana, 2½-in., $4 per 100; 4-in., ready to bloom, $20 per 100. Storrs & Harrison Co., Painesville, O.

BOXWOOD.

Boxwood, pyramid, 36 ins., $1.75 each. Bush form, 30 to 36 ins., $2 each. Storrs & Harrison Co., Painesville, O.

Boxwood: Jacs Smits Ltd., Naarden, Holland.

BULBS, ROOTS, TUBERS.

Bulbs, tuberoses, true dwarf Excelsior strain, 1st size, $1 per 100; $9 per 1,000. Gladiolus, Princeps, Medium, $9 per 100; Mrs. Francis King, $4 per 100; $30 per 1,000; America, $7.50 per 100; $60 per 1,000; Augusta, $2 per 100; $17 per 1,000; Brenchleyensis, $1.45 per 100; $12 per 1,000; Ceres, $1.45 per 100; $12.50 per 1,000; Mme. Moneret, $1.75 per 100; $15 per 1,000; May, $1.95 per 100; $15 per 1,000; "1900," $2.50 per 100; Shakespeare, $4.25 per 100; $38 per 1,000. Begonias, tuberous rooted, single white, yellow, scarlet and pink, 35c per doz.; $2.50 per 100; double white, yellow scarlet and pink, 60c per doz.; $4.50 per 100. Gloxinia. separate colors, 50c per doz.; $3.50 per 100. Vaughan's Seed Store, Chicago and N. Y.

Bulbs, tulips: Belle Alliance, $1.25 per 100; Couleur Ponceau, 55c; Crimson King, 90c; Duchesse de Parma, 70c; Duc van Thol, red, yellow edge, 70c; rose, $1.10; scarlet, 85c; white, $1; Joost van Vondel, red and white, 90c; Keizerskroon, $1.15; L'Immaculee, 45c; La Reine, 55c; Mon Tresor, $1; Pottebakker, scarlet, $1.25; pure yellow, $1.65; Prince of Austria, $1.40; Proserpine, $1.90; Rose Gris de Lin, 75c; Crown of Roses, $2.15; Duc van Thol, red and yellow, 40c; Gloria Solis, 80c; Tournesol, red and yellow, $1; Yellow Rose, 50c; late flowering, all kinds, 75c. Mixed narcissus, 50c per 100; $4 per 1,000. James Vick's Sons, Rochester, N. Y.

Bulbs, Gladiolus primulinus, $8 per doz.; $60 per 100. Primulinus hybrids, $3 per doz.; $20 per 100. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, French bulbs; Japan lilies; Lilium Harrisii. Wm. Hagemann & Co., 55 Dey St., New York.

Bulbs, hyacinths, single, King of the Blues, Czar Peter, Norma, etc., $3 per 100; mixed, $2 per 100; double: Goethe, Lord Ragland, Pure d'Or, Bloiksbergeb, etc., $3 per 100. Crocus, named, $3 per 1,000; mixed yellow; mixed purple $2.50 per 1,000. Narcissus: Paper White grandi., $1 per 100; $8 per 1,000. Dingee & Conard Co., West Grove, Pa.

Bulbs, Mexican tuberoses, 1st size, $8 per 1,000; 2nd size, $6 per 1,000. Furrow & Co., Guthrie, Okla.

Bulbs, hyacinths, tulips and narcissus. W. J. Eldering & Son, Overveen, Haarlem, Holland.

Bulbs, hyacinths, tulips, narcissus, crocus, spiræas, gladiolus. Van Zanten Bros., Hillegom, Holland.

Bulbs of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Caladiums, fancy leaved, named sorts, $1.50 per doz.; $10 per 100; mixed, $1.25 per doz.; $8 per 100. H. H. Berger & Co., 70 Warren St., New York.

25,000 cannas; 25 leading sorts to exchange for alternantheras, achyranthes, Boston fern, echeverias, Acalypha tricolor, santolinas iresines, coleus, geraniums, roses, hydrangeas, begonias, dracænas, crotons. What have you? Send for list. C. E. Franke, Supt. of Parks, Oklahoma City, Okla.

Cannas, Chas. Henderson, Crimson Bedder, Beauty Poitevine, F. Vaughan, Queen Charlotte, Souv. de Antoine, etc., 2-eye Divisions, $3 per 100. $25 per 1,000. Storrs & Harrison Co., Painesville, O.

Cannas. See our display advertisement for varieties and prices. Mosbæk Greenhouse Co., Onarga, Ill.

Cannas, Chas. Henderson, $2 per 100. Jos. H. Cunningham, Delaware, O.

Cannas, leading vars., $10 per 1,000 up. Dingee & Conard Co., West Grove, Pa.

Gladiolus bulbs, over 15,000 bushels harvested. Groff's hybrids and other strains and named varieties of exceptional merit. Write for 1907 illustrated catalogue. Arthur Cowee, Gladiolus Specialist. Meadowvale Farm, Berlin, N. Y.

Gladiolus America, $6.50 per 100; $60 per 1,000. White for prices on other stock. Cushman Gladiolus Co., Sylvania, O.

Gladiolus, leading vars. E. E. Stewart, Rives Junction, Mich.

Gladiolus, Hyacinthus candicans, spotted callas, oxalis, cinnamon vine, German iris, lilies. E. S. Miller, Wading River, N. Y.

Lily of the valley, for forcing, $11 per 1,000. W. C. Beckert, Pittsburg, N. S., Pa.

Lily of the valley, early forcing pips, $1.50 per 100; $12 per 1,000; extra select, $1.75 per 100; $14 per 1,000; cold storage pips, $2 per 100; $15 per 1,000. H. N. Bruns, 1409-11 W. Madison St., Chicago.

Lily of the valley, high class. Wm. Hagemann & Co., 55 Dey St., New York.

Lily of the valley. Jacs Smits, Ltd., Naarden. Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

CARNATIONS.

Carnations, White Lawson, Pink Lawson, R. C., $2 per 100; $20 per 1,000; 2½-in., $35 per 1,000. Var. Lawson, R. C., $2.20 per 100; $20 per 1,000; 2½-in., $35 per 1,000; Red Lawson, R. C., $2 per 100; $18 per 1,000; 2½-in., $32 per 1,000. Victory, Rose Pink Enchantress, Enchantress, R. C., $3 per 100; $25 per 1,000; 2½-in., $40 per 1,000. Beacon, Winsor, White Enchantress, Aristrocrat, R. C., $5 per 100; $45 per 1,000; 2½-in., $60 per 1,000, Welcome, R. C., $5 per 100. White Perfection, R. C., $4 per 100; $35 per 1,000; 2½-in., $50 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Carnations, rooted cuttings, Afterglow, Andrew Carnegie, Defiance, Sarah Hill, Winona, $12 per 100; $100 per 1,000. White Enchantress, $6 per 100, $55 per 1,000. White Perfection, $3.50 per 100, $30 per 1,000. Lady Bountiful, Victory, Robt. Craig, Melody, Enchantress, $3 per 100; $25 per 1,000. Beacon, Aristocrat, Winsor, $6 per 100; $50 per 1,000. Red Chief, Red Riding Hood, $5 per 100; $40 per 1,000. Pink Patten, Mrs. Patten, $2.50 per 100; $20 per 1,000. Mrs. T. W. Lawson, Prosperity, $2 per 100; $15 per 1,000. Rose Pink Enchantress, $4 per 100; $30 per 1,000. Vaughan's Seed Store, Chicago and New York.

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If you do not find what you need in our Ready Reference Department, write us about it.

Carnations, White Perfection, White Enchantress, $6 per 100; $50 per 1,000. Lady Bountiful, My Maryland, Enchantress, Cardinal, Robt. Craig, Golden Beauty, $2 per 100; $17.50 per 1,000; Jessica, $3 per 100; $25 per 1,000. The Queen, Queen Louise, Lawson, Crisis, Governor Roosevelt, Harlowarden, Eldorado, $2 per 100; $17.50 per 1,000. Dorothy, Mrs. E. A. Nelson, William Scott, Joost, Portia, $1.50 per 100; $12.50 per 1,000. Flamingo, Buttercup, Mrs. Patten, Judge Hinsdale, $2.50 per 100; $20 per 1,000. J. L. Dillon, Bloomsburg, Pa.

CARNATIONS.

	100	1,000
Enchantress	$2.50	$20.00
Lawson	2.00	15.00
Robt. Craig	2.50	20.00
W. Cloud	1.50	10.00
W. Lawson	2.00	15.00
Nelson Fisher	2.50	20.00

WIETOR BROS., 51 Wabash Ave., Chicago.

Carnation, White Perfection, Rose Pink Enchantress, Victory, Robt. Craig, $3 per 100; $25 per 1,000. White Enchantress, $6 per 100. Enchantress, $2 per 100; $15 per 1,000. Lawson, $1.75 per 100; $15 per 1,000. Helen Goddard, $2.50 per 100. Aristocrat, $5 per 100. Beacon, $6 per 100; $45 per 1,000. Harlowarden, $1.75 per 100; $15 per 1,000. Eli Cross, Grand Rapids, Mich.

Carnations, Lawson, $1.50 per 100; $12.50 per 1,000. Winsor, $5 per 100; $40 per 1,000. Rose Pink Enchantress, $3 per 100; $25 per 1,000. Enchantress, White Lawson, Lady Bountiful, $2 per 100; $15 per 1,000. B. Market, $1.25 per 100; $10 per 1,000. Beacon, $5 per 100; $40 per 1,000. Robt. Craig, $2.50 per 100; $20 per 1,000. Cardinal, $2 per 100; $17.50 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Carnations, Winona, $12 per 100; $100 per 1,000. Red Chief, Bonnie Maid, $5 per 100; $40 per 1,000. Aristocrat, Winsor, Beacon, White Enchantress, $6 per 100; $50 per 1,000. White Perfection, Rose Pink Enchantress, Enchantress, Lady Bountiful, Victory, $3 per 100; $25 per 1,000. Dorothy Whitney, $4 per 100; $30 per 1,000. Mrs. Patten, Harry Fenn, $3 per 100. F. Dorner & Sons, La Fayette, Ind.

Carnations, Afterglow, and Brittania, $1.75 per doz., $12 per 100; 2½-in. pot plants, $16 per 100. Aristocrat, Winsor, Imperial, Beacon and Pink Imperial, $6 per 100; $50 per 1,000. White Perfection, Enchantress, Craig, Victory, Bountiful, Patten, $3 per 100; $25 per 1,000. Fair Maid, V. Lawson, Peary, Lawson, $2.50 per 100; $20 per 1,000. Charles H. Totty, Madison. N. J.

Carnations, Harvard, $12 per 100; $100 per 1,000. Faust, $6 per 100; $50 per 1,000. Winsor, $6 per 100; $50 per 1,000. Rose Pink Enchantress, Pink Patten, $3 per 100; $25 per 1,000. Enchantress, Victory, Red Sport, $2.50 per 100; $20 per 1,000. Lawson, Queen Louise, $2 per 100; $15 per 1,000; Queen, $2 per 100; $12.50 per 1,000. James D. Cockroft, Northport, L. I., N. Y.

Carnations, Winsor, Helen Gould, Beacon, $6 per 100; $50 per 1,000. White Enchantress, $7 per 100; $60 per 1,000. Melody, Victory, $4 per 100. Enchantress, Lady Bountiful, Red Lawson, V. Lawson, W. Lawson, Daheim, $3 per 100; $25 per 1,000. Mrs. Lawson, B. Market, $2 per 100; $15 per 1,000. Wood Bros., Fishkill, N. Y.

Carnations, White Enchantress, $6 per 100; $50 per 1,000. White Perfection, Rose Pink Enchantress, Cardinal, Victory, $3 per 100; $25 per 1,000. White Lawson, Lady Bountiful, B. Market, Queen, Lawson, $2 per 100; $15 per 1,000. Enchantress, $2.50 per 100; $20 per 1,000. Lakeside Floral Co., Houghton, Mich.

Carnations, Enchantress, J. E. Haines, P. Patten, $2 per 100; $15 per 1,000. Lawson, $1.50 per 100; $10 per 1,000. Aristocrat, Pink Imperial, $3.50 per 100; $30 per 1,000. White Perfection, $3 per 100; $25 per 1,000. Winsor, $6 per 100; $50 per 1,000. A. M. Herr, Lancaster, Pa.

Carnations. Winsor, Aristocrat, $6 per 100; $50 per 1,000. Victory, $3 per 100; $25 per 1,000. Enchantress, $2 per 100; $20 per 1,000. Lawson, $1.75 per 100; $15 per 1,000. White Lawson, $2 per 100; $18 per 1,000. E. T. Wanzer, Wheaton, Ill.

Carnations, Winsor, Beacon, Aristocrat, White Enchantress, $6 per 100; $50 per 1,000. White Perfection. Victory, $3 per 100. Lawson, Var. Lawson, B. Market, Craig, Candace, $1.25 per 100; $10 per 1,000. W. W. Coles, Kokomo, Ind.

Carnations, Enchantress. Lawson, B. Market, White Enchantress. Beacon, Winsor, Aristocrat, Rose Pink Enchantress, Victory, Lady Bountiful, Mrs. Patten, white, red and variegated Lawson, Harlowarden. A. F. Longren, Des Plaines, Ill.

Carnations. Beacon, Winsor, $6 per 100; $50 per 1,000. White Perfection, Rose Enchantress, $4 per 100; $35 per 1,000. Enchantress, $3 per 100; $25 per 1,000. Peter Fisher, Ellis, Mass.

Carnations. Pure White Enchantress. Beacon, Winsor, Aristocrat, strong, healthy, well rooted cuttings, $6 per 100; $50 per 1,000. Satisfaction guaranteed. A. J. Stahelin, Redford, Mich.

Carnation President Seelye, $10 per 100; $75 per 1,000. H. W. Field, Northampton, Mass.

Carnations, Aristocrat, Winsor, $5 per 100; W. Perfection, $2.75; Enchantress, Lady Bountiful, $2; Victory, $2.75; Rose Pink Enchantress, $2.75. Perennial Gardens Co., Toledo, O.

Carnations, Winsor, White Enchantress, $6 per 100; $50 per 1,000. Rose Pink Enchantress, White Perfection, Victory, $3 per 100; $25 per 1,000. J. L. Schiller, 929 Prouty Ave., Toledo, O.

Carnations, Winsor, Beacon, Rose Pink Enchantress, White Perfection, The Belle, White Lawson, Pink Lawson, Enchantress, Nelson Fisher. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, Lawson, Enchantress, Rose Pink, Enchantress, Perfection, Lady Bountiful, $3 per 100; $25 per 1,000. Winsor, $6 per 100; $50 per 1,000. John L. Wyland, De Haven, Pa.

Carnations, rooted cuttings of all the new and leading commercial varieties. Send for price list. Wm. Swayne, Box 226, Kennett Square, Pa.

Carnation Lloyd, R. C., $2 per doz., $12 per 100: $100 per 1,000; unrooted, $6 per 100; $50 per 1,000. H. A. Jahn, New Bedford, Mass.

Carnations, A. No. 1 R. C., Lawson, $2 per 100; $15 per 1,000. Boston Market, $2 per 100; $15 per 1,000. Stuppy Floral Co., St. Joseph, Mo.

Carnations, Andrew Carnegie, $12 per 100; $100 per 1,000; 5,000 lots, $90; 10,000 lots, $80. Chicago Carnation Co., Joliet, Ill.

Carnation, Defiance, $12 per 100; $100 per 1,000. Jensen & Dekema, 674 W. Foster Ave., Chicago, or W. N. Rudd, Morgan Park, Ill.

Carnations, rooted cuttings, Fair Maid, Queen, $1 per 100; $8 per 1,000. Napoleon Lemay, 335 Hillman St., New Bedford, Mass.

Carnations. John E. Haines, Imperial and Pink Imperial, Enchantress, $6 per 100; $50 per 1,000. John E. Haines, Bethlehem, Pa.

Carnation Afterglow, $2 per doz.; $12 per 100; $100 per 1,000. R. Witterstaetter, Sta. F., Cincinnati, O.

Carnations, Sarah Hill, Lawson.—Enchantress, 2½-in., $12 per 100; R. C., $10. Geo. A. Kuhl, Pekin, Ill.

Carnations, White Enchantress, $6 per 100; $50 per 1,000. E. Schrader, New Springville, N. Y.

Carnations, Queen, $10 per 1,000; 3,000, $25. Philip Schupp, 37 Randolph St., Chicago.

Carnations Toreador. H. Weber & Sons Co., Oakland, Md.

Carnations. E. G. Hill Co., Richmond, Ind.

CHRYSANTHEMUMS.

Chrysanthemums, Pacific Supreme, Rosemaur, White Cloud, Mary Donellan, D. Gouldsmith, Mrs. H. R. Haggard, Mary Mason, Mrs. J. C. Neill, Mrs. W. Wells, Algesiras, Ami Bergeret, Carlo Kracht, Commandant Matthieu, Le Lutin, Leon Truelle, Mlle. Poulette, M. Paul Randet. Mme. Villay, Desmeseretz, Pres. Fallieres, Polypheme, Sisowath, S. A. Naceur Bey, Touring Club, 50c each; $35 per 100. Mrs. J. E. Dunne, Mrs. Geo. Mileham, Mrs. Henry Barnes, Mrs. Wm. Knox, Chrysanthemiste Montigney, Dakoma, Pres. Loubet, T. Carrington, Brighthurst, Lanona. A. Mileham. W. Wells, Pres. Roosevelt. Mrs. Geo. Heaume, M. Loiseau Rousseau, Villa de Paris, Dorothy Eady, Winnifred, Alice Roosevelt, Monrovia, Oct. Frost, Fidelity, W. W. Chadwick, Rosiere, Dubuison Foubert, F. S. Vallis, Mrs. J. R. Tranter, etc. Elmer D. Smith & Co., Adrian, Mich.

4,000 stock 'Mums Dr. Enguehard and Maj. Bonnaffon, $1.75 per 100; $14 per 1,000 or will exchange for R. C. Enchantress or White Perfection. Ernsberger Bros., Celina, O.

Chrysanthemums, R. C., leading vars., $1, $1.50 and $2 per 100. Schmalzl & Hembreiker, Lincoln, Ill.

Chrysanthemums. E. G. Hill Co., Richmond, Ind.

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CINERARIAS.

Cinerarias, right for 3, 4, 5 and 6-in., 80c, $1.75, $3 and $4.75 per doz. Chas. Sherwood, Waterloo, Ia.

Cinerarias, dwarf, 3-in., ready for 5-in., Easter goods, $3 per 100. The Perennial Gardens Co., Toledo, O.

Cinerarias, strong, 2¼-in., Columbian mix., $2 per 100. Stover Floral Co., Grandville, Mich.

CUPHEAS.

Cupheas, 2-in., $2 per 100. R. Vincent, Jr. & Sons Co.. White Marsh, Md.

Cupheas, 2 kinds, R. C., 75c. Byer Bros., Chambersburg, Pa.

COLEUS.

Coleus. Only leading kinds, 2½-in., $2 per 100; rooted cuttings, 65c per 100. Henry Felter, 4335 Lexington Ave., St. Louis, Mo.

Coleus, R. C., Golden Bedder and others, 60c per 100, $5 per 1,000; 2½-in., $2 per 100. The Krueger Bros. Co., Toledo, O.

Coleus, 10 varieties, R. C., 75c per 100; $6 per 1,000. Stuppy Floral Co., St. Joseph, Mo.

Coleus, 10 varieties, 2¼-in., $2 per 100. Jos. H. Cunningham, Delaware, O.

Coleus, 10 kinds. Byer Bros., Chambersburg.

DAHLIAS.

Dahlias, single, J. Cowan, Fashion, Jno. Downie, Sunningdale, Lustre, $1 per doz.; $6 per 100. Cactus, Mrs. A. Beck, Prof. Baldwin, $1 per doz.; $6 per 100. Countess of Lonsdale, Kriemhelde, F. Bartels, Miss Nightingale, $1.50 per doz.; $10 per 100. Decorative dahlias; Oban, Iridescent, Sylvia, $1.50 per doz.; $10 per 100; Lancelot, Mrs. Geo. Reed, $1 per doz.; $6 per 100. Show dahlias A. D. Livoni, Camilla alba, $1.50 per doz; $10 per 100; one lot good vars. mixed, 50c. per doz.; $3 per 100; mixed yellow, 50c per doz.; $3 per 100. Geo. Wittbold Co., 1657 Buckingham place, Chicago.

Dahlias, novelties and standard varieties, true to name. A choice list of the best introductions. Send for catalogue of dahlias, hollyhocks, hardy plants. W. W. Wilmore, Box 382, Denver, Col.

Dahlias, field-grown, Wm. Agnew, Countess of Lonsdale, Nymphæa, Mrs. Wellesley, Admiral Dewey, A. S. Livoni and Fern Leaf Beauty, $5 per 100. Duke Alexis and Kriemhilde, $7 per 100. Storrs & Harrison Co., Painesville, O.

Dahlias, all leading vars., $45 to $50 per 1,000. Dingee & Conard Co., West Grove, Pa.

Dahlias, field-grown clumps, 2c and up. H. W. Koerner, Station B, Milwaukee, Wis.

Dahlias, leading varieties. David Herbert & Sons, Atco, N. J.

DAISIES.

Marguerites, Queen Alexandra, $3 per 100; Coronation, $3. Storrs & Harrison Co., Painesville, O.

Dahlias, leading varieties. H. Cannell & Sons, Swanley, Kent, England.

DRACENAS.

Dracæna indivisa, 4-in., $2 per doz.; 5-in., $3; 6-in., $6; 7-in., $9; 8-in, $12. Geo. Wittbold Co., 1657 Buckingham place, Chicago.

Dracæna indivisa, 4-in., $12 per 100; 5-in., $20 per 100; 6-in., $40 per 100. Vaughan's Seed Store, Chicago and New York.

Dracæna, indivisa, 4-in., $2 per doz., 5-in., $3 per doz. Strong plants. C. C. Pollworth Co., Milwaukee, Wis.

Dracæna indivisa, 2-in., $3 per 100. Geo. M. Emmans, Newton, N. J.

Dracæna Bruanti, 6-in., 22 to 25 ins., 40c each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

FERNS.

Ferns. Boston, 2½-in., 60c per doz.; $5 per 100: 3-in., $1.50 per doz., $10 per 100; 4-in., $2.50 per doz., $20 per 100; 5-in., 40c each; $4 per doz., $30 per 100; 6-in. pans, 75c each, $6 per doz., $50 per 100; 7-in., $1 each, $9 per doz., $75 per 100; 8-in., $1.50 each, $15 per doz.; 9-in., $2 to $2.50 each; 10-in., $3 to $3.50 each; 12-in., $4 to $5 each. Nephrolepis Whitmani, 2-in., 60c per doz.; $4 per 100; 2½-in., 75c per doz.; $5 per 100; 3-in., $1.50 per doz.; $10 per 100; 4-in., $2.50 per doz.; $20 per 100; 5-in., $4 per doz.; $40 per 100; 6-in., $6 per doz.; $50 per 100; 7-in., $9 per doz., 8-in., $1.50 to $2 each. Amerpohli, 2-in., $2.50 per dozen; $20 per 100; 2½-in., $3.50 per doz.; $25 per 100; 3-in., $4 per doz.; $30 per 100; 4-in., $5 per doz.; $40 per 100. Vaughan's Seed Store, Chicago and New York.

Ferns, my specialty. Ferns for dishes, fine healthy stock from 2¼-in. pots, in 15 best varieties, $3 per 100; $25 per 1,000; 500 at 1,000 rate. Kentia Belmoreana, 2¼-in., $1.30 per doz.; $10 per 100. Assorted, 3-in., $6, 4-in., $12 per 100. Ad. Cuneatum, 2¼-in., $3.50 per 100: $30 per 1,000; 3-in., $6; 4-in., $12 per 100. A. Gracillimum, 2¼-in., $3.50 per 100. Cibotium Schiedei, 4-in., none better, $25 per 100. Fresh fern spores in all the best market varieties, 30c per trade package; $3 per doz. J. F. Anderson, Short Hills, N. J.

Ferns, Whitmani, 7-in., 3 plants in pot, $1.50 and $1.25; 6-in., 50c, 75c and $1 each. Boston, 8-in., $1.25 and $1.50; 7-in., 75c and $1; 6-in., 50c. Scottii, 7-in., $1; 7-in., $1.25; 6-in., 50c; heavy, 60c to 75c; 5 and 5½ in., 25c, 35c and 40c each. Piersoni, 4-in., 25c; 5 and 5½-in., 30c to 40c; 6-in., 50c. Pteris Wilsoni, 5¼-in., 20c. Amerpohli, 4-in., 50c. Mixed ferns for dishes, 2½-in., $5 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns, Elegantissima, 2¼-in., $6 per 100; 3½-in., $15 per 100; 6-in., 50c each; 8-in., $1 and $1.50 each; 10-in., $2 each. Whitmani, 2¼-in., $6 per 100; 3½-in., $15 per 100; 6-in., 50c and 75c each; 8-in., $1.50 each; 10-in., $2 each. Scottii, 6-in., 50c each. Boston, 2¼-in., $4 per 100; 6-in., 50c each; 8-in., $1 each. Small ferns for pans, $4 per 100; $30 per 1,000. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston, 2½-in., $4 per 100; $30 per 1,000. Small for dishes, $2.50 per 100. Storrs & Harrison Co., Painesville, O.

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Ferns, mixed for dishes, 2¼-in., $3.50 per 100; $30 per 1,000; 3-in., $6 per 100; $50 per 1,000. Adiantum Farleyense, 6-in., $1 each; 8-in., $2 each. Nephrolepis Amerpohlii, 6-in. pans, $1 each. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Ferns, Boston, 2½-in., 4c; 3-in., 8c; 4-in., 15c; 5-in., 25c; 6-in., 40c; 7-in., 65c; 8-in., $1 to $1.50; 10-in., $1.50 to $2. J. W. Dunford, Clayton, Mo.

Ferns, Whitmani, 2¼-in., $5 per 100; 3½-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Son, Whitman, Mass.

Ferns, N. Amerpohlii, 2½-in., $15 per 100. Janesville Floral Co., Janesville, Wis.

Ferns, Piersoni Elegantissima, 2-in., 3c. Byer Bros., Chambersburg, Pa.

Ferns, Boston, 5-in., 30c each. Geo. M. Emmans, Newton, N. J.

Ferns. Geo. A. Kuhl, Pekin, Ill.

Fern runners, 10,000 Boston, all sizes. Mosbæk Greenhouse Co., Onarga, Ill.

FICUS.

Ficus elastica, 5 to 6-in., 20 to 40 in., 30c to 75c each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

GERANIUMS.

GERANIUMS. Our stock is larger and finer than ever and includes the following SUPERB BEDDERS: S. A. Nutt, greatest crimson; Peter Henderson, grand new semi-double scarlet; Beaute Poitevine, best salmon; Mme. Buchner, the only double white; Jean Viaud, pure pink; strong top cuttings, well rooted and true to name, $1.75 per 100; $16 per 1,000. Cash. The W. T. Buckley Co., Springfield, Ill.

Geraniums, Nutt, Doyle, Perkins, Ricard, dbl. Grant, 2-in., $2.50 per 100; R. C., $1.25 per 100. Trego, Castellane, Poitevine, Viaud, 2-in., $3 per 100; R. C., $1.50 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, Trego, Doyle, Nutt, Bertha de Pressiley, Mme. Barney, $2.50 per 100; our choice in pink, red and white, $2 per 100. Storrs & Harrison Co., Painesville, O.

Geraniums, 2-in., standard vars. and novelties, $2 per 100 up; 1,000, 50 each of 20 good sorts, $18.50; 500, $9.25. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Geraniums. 6 varieties double, S. A. Nutt and others, 2½-in., $2.50 per 100; R. C., $1.25 per 100. The Krueger Bros. Co., Toledo, O.

Geraniums, S. A. Nutt, 2-in., $18 per 1,000. C. B. Knuth, 11801 St. Clair Ave., Cleveland, O.

Geraniums, 10 vars., 2½-in., $3 per 100; $25 per 1,000. Jos. H. Cunningham, Delaware, O.

Geraniums, dbl. red, 2½-in., $3 per 100; $25 per 1,000. Schmaus Bros., Paducah, Ky.

Geraniums in standard varieties, 2¼-in., $3 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Geraniums, La Favorite, R. C., $1 per 100. E. T. Wanzer, Wheaton, Ill.

Geraniums. A. M. Herr, Lancaster, Pa.

Geraniums. E. G. Hill Co., Richmond, Ind.

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GLOXINIAS.

Gloxinias. L. Van Houtte, Pere, Ghent, Belgium.

GREENS.

Greens, dagger and fancy ferns, $1.50 per 1,000. Galax, green, $1 per 1,000; $7.50 per case of 10,000; bronze, $1 per 1,000; $8.50 per 10,000. Wild smilax, $3.50 and $7. Laurel festooning, 5c and 6c per yard; branch laurel, per bunch, 50c. Sphagnum moss, per bag, 50c; 5 bags, $2. Henry M. Robinson & Co., 15 Province St., Boston.

Greens, dagger and fancy ferns, $1.50 per 1,000. Bronze and green galax, $1.25 per 1,000. Leucothoe sprays, $1 per 100; $7.50 per 1,000. Sphagnum moss, per bale, $1.25. Boxwood bunches, 35c; 50 lbs., $7.50. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit.

Greens, cut palmetto and cycas leaves, galax, leucothoe, ferns, mosses, etc. Kervan Co., 113 W. 28th St., New York.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 52 W. 28th St., New York.

Greens, smilax, ferns, palm leaves, etc. John P. Scherer, Union Hill, N. J.

Greens, southern wild smilax. E. A. Beaven, Evergreen, Ala.

Greens, hardy cut ferns. H. J. Smith, Hinsdale, Mass.

HARDY PERENNIALS.

Hardy perennials, anemone, aster, campanula, delphinium, funkia, hemerocallis, hepatica, incarvillea, iris, peony, phlox, primula, pyrethrum, tritoma, Royal Tottenham Nurseries, Ltd., Dedemsvaart, Holland.

Hardy pinks, R. C., 5 kinds, 75c. Byer Bros., Chambersburg, Pa.

Perennials. Ours are large field-grown stock. Mosbæk, Onarga, Ill.

HELIOTROPES.

Heliotropes, 3 kinds, R. C., $1. Byer Bros., Chambersburg, Pa.

Heliotrope, 4 of the best var. Mosbæk Greenhouse Co., Onarga, Ill.

Heliotropes, 4 of the best, R. C., $1 per 100; 2¼-in., $2.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

HYDRANGEAS.

Hydrangeas, Otaksa and Thos. Hogg, 6-in., 3 to 4 flowering stems, $5 per doz.; $40 per 100; 7-in., 5 to 6 flowering stems, $8 per doz.; $75 per 100. Vaughan's Seed Store, Chicago and New York.

Hydrangea Otaksa, 6-in., 25c; 7-in., 35c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Hydrangeas. W. & T. Smith Co., Geneva, N. Y.

Hydrangea American Everblooming (H. arbor-

JERUSALEM CHERRIES.

Jerusalem cherries, 6 and 7-in., full of berries, 35c to 50c each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

LANTANAS.

Lantanas, red, yellow and pink dwarf kinds, 2½-in., $4 per 100; 2-in., $3 per 100. Henry Felter, 4335 Lexington Ave., St. Louis, Mo.

LILACS.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LOBELIAS.

Lobelias, Caster's double blue, $2 per doz.; $18 per 100. J. Fuller, Leominster, Mass.

MANETTI STOCKS.

Manetti, grafting size, $8 per 1,000; $75 per 10,000; extra size, $10 per 1,000; $90 per 10,000. Jackson & Perkins Co., Newark, N. Y.

MOSS.

Sphagnum moss. 5 barrel bale, $1.25; 2 bales, $2.25; 5 bales, $5; 10 bales, $9.50. H. R. Akers, Chatsworth, N. J.

MUSHROOM SPAWN.

Mushroom spawn, English, per 100 lbs., $6 f. o. b. New York; $6.50 f. o. b. Chicago. Garden City Pure Culture, 100 bricks, $12 f. o. b. Chicago, $12.50 f. o. b. New York. Vaughan's Seed Store, Chicago and New York.

Mushroom spawn. English and pure culture. Weeber & Don, 114 Chambers St., New York.

NURSERY STOCK.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, conifers, hardy ferns, hardy heaths. rhododendrons, hydrangeas. Royal Tottenham Nurseries, Ltd., Dedemsvaart, Holland.

Nursery stock, arbor-vitæ (Thuya occidentalis) 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, trees and shrubs, price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Nursery stock, large trees, oaks, maples, pines, and hemlock. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, fruit and shade trees, shrubs, evergreens. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, flowering shrubs. E. Y. Teas, Centerville, Ind.

Am. arbor-vitæ hedge plants. Evergreen Nursery Co., Sturgeon Bay, Wis.

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ORANGES.

Oranges, Kinkan. P. J. Berckmans Co., Augusta, Ga.

Oranges. Anton Schultheis, College Point, N. Y.

ORCHIDS.

Orchids, C. Trianæ, C. Percivaliana, C. speciosissima, C. Gaskelliana, Oncidium Krameranum. Ordonez Bros., Madison, N. J.

Orchids in sheath, bud and flower. Julius Roehrs Co., Rutherford, N. J.

Orchids in superb conditon. Cattleya Mossiæ, C. Schroederæ, Lælia anceps, Epidendrum vitellinum, etc. Lager & Hurrell, Summit, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England. New York office, room 1, 235 Broadway.

Orchids, C. Trianæ, C. Mossiæ, C. labiata, C. Schroederæ, C. speciosissima, C. citrina, C. intermedia, C. Gaskelliana, C. Dowiana, C. Warneri, Lælia anceps, L. albida, L. majalis, L. autumnalis, Oncidium crispum, O. varicosum, O. Cavendishianum, O. luridum, Epidendrum vitellinum majus, E. Cooperianum, Odonto, citrosmum, Miltonia vexillaria. Carillo & Baldwin, Secaucus, N. J.

PALMS.

Palms Kentia Fors. and Bel., 4-in., 18 to 20 ins., 35c each. Bel., 5½ and 6-in., 75c; 5¼ and 5½-in., 50c and 60c. Areca Lutescens, 4-in., 18 to 22 ins., 20c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. Latania Borb., seedlings from flats, $2 per 100; 3-in., $6 per 100; 4-in., 3 in pot, $3 per doz. Kentias and phœnix in all sizes. Vaughan's Seed Store, Chicago and N. Y.

Palms, Kentias, all sizes; Latania borbonica, 7-in., 5 to 6 leaves, 18 to 20 ins., 75c each; 8-in., 6 to 7 leaves, 20 to 22 ins., $1.25 each. Storrs & Harrison Co., Painesville, O.

Latania Borbonica, from 2-in. 3 leaves, $3 per 100. The Perennial Gardens Co., Toledo, O.

Palms. P. J. Berckmans Co., Augusta, Ga.

Palms. L. Van Houtte, Pere, Ghent, Belgium.

PANSIES.

Pansies from cold frame, strong, in bud, $1.50 per 1,00; $12 per 1,000. Transplanted, nice stock, $5 per 1,000. F. A. Baller, Bloomington, Ill.

Pansies, giant flowering, 50c per 100; $2.50 per 1,000. Jos. H. Cunningham, Delaware, O.

PELARGONIUMS.

Pelargoniums, 3-in., Purity, Countess of Crew, Duke of Cornwall, Galatea, Gloriosa, Lady Carrington, Tommy Dodd, etc., $1.50 per doz.; $6 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

PEONIES.

Peonies, 100 varieties, all classes for florists, 6 or 8 leading kinds, white to crimson, early to late, all named, $1.50 per doz.; $10 per 100. F. A. Baller, Bloomington, Ill.

Peonies, Festiva Maxima, $20 per 100; Queen Victoria, $9 per 100; Fragrans, $6 per 100. Gilbert H. Wild, Sarcoxie, Mo.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Free Peony book and nursery price list. Felix & Dykhuis, Boskoop, Holland.

Peonies, all vars. Jacs Smith, Ltd., Naarden, Holland.

Peonies, leading vars. W. & T. Smith Co., Geneva, N. Y.

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PETUNIAS.

Petunia Berkshire, R. C., $2.50 per 100; $20 per 1,000. S. S. Skidelsky, 1731 No. 18th St., Philadelphia.

Petunias, double fringed, 2½-in., $2.50 per 100; R. C., $1 per 100. The Krueger Bros. Co., Toledo, O.

Petunias, 2½-in., dbl. fringed, 3 var., $2.50 per 100. Geo. A. Kuhl, Pekin, Ill.

Petunias, dbl., 10 kinds. R. C., $1. Byer Bros., Chambersburg, Pa.

POINSETTIAS.

Poinsettias, good strong stock, $4 per 100. The Krueger Bros. Co., Toledo, O.

PRIMULAS.

Primula obconica grandi., mixed, 2¼-in., $1.50 per 100. The Stover Floral Co., Grandville, Mich.

PRIVET.

Privet, California and Amoor River, 2½ to 3 ft., $25 per 1,000. Peter's Nursery Co., Knoxville, Tenn.

Privet, California. E. Y. Teas, Co., Centerville, Ind.

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RHODODENDRONS.

Rhododendrons. 18-in., $9 per doz.; 24-in., $12 per doz. Storrs & Harrison Co., Painesville, O.

Rhododendrons. W. & T. Smith Co., Geneva, N. Y.

Rhododendrons. Jacs Smits, Naarden, Holland.

ROSES.

Rose Mrs. Jardine, 2½-in., $6 per doz.; $30 per 100; $250 per 1,000; $1,125 per 5,000; grafted on Dickson's manetti stocks, $5 per 100 additional. Robt. Scott & Sons, Sharon Hill, Pa., or Wm. P. Craig, 1305 Filbert St., Philadelphia, Pa.

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Roses, 2-yr., budded, per doz., $2; $15 per 100; Am. Beauty, La France, Frau K. Druschki, Kaiserin, Soliel d'Or, Hermosa, Paul Neyron, Gruss an Teplitz, 2-yr., budded, $1.50 per doz.; $11 per 100. Anna de Diesbach, Fisher Holmes, Magna Charta, Ball of Snow, Gen. Jacq., M. P. Wilder, Capt. Christy, Mme. Testout, Mrs. J. Laing, U. Brunner, etc. Crimson Rambler, 2-yr., home-grown. $15 per 100; 2-yr., imported, $12 per 100. Dorothy Perkins, 2-yr., home-grown, $12 per 100. Lady Gay, 2-yr., budded, $20 per 100. Philadelphia Rambler, 2-yr., home-grown, $12 per 100. Baby Rambler, 2-yr., extra strong budded, $20 per 100; 2-yr., No. 1, $16 per 100; 1-yr., No. 2, $10 per 100. White Baby Rambler, 2½-in., $10 per 100. Red Kaiserin, 2-yr., dormant, $25 per 100. Vaughan's Seed Store, Chicago and New York.

Roses, American Beauty, R. C., $27.50 per 1,000; 2½-in., $6.50 per 100; $60 per 1,000; 3½-in., $80 per 1,000. Maid, Bride, U. John, Richmond, Chatenay, Kaiserin, R. C., $18.50 per 1,000; 2½-in., $4.50 per 100; $40 per 1,000; 3½-in., $60 per 1,000. Mrs. Potter Palmer and Cardinal, 2½-in., $15 per 100; $125 per 1,000; 3½-in., $150 per 1,000. Perle, Sunrise, 2½-in., $5 per 100; $45 per 1,000; Perle, 3½-in., $65 per 1,000. Killarney, R. C., $35 per 1,000; 2½-in., $6 per 100; $55 per 1,000; 3½-in., $75 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, field-grown, Anne de Diesbach, Clio, Frau Karl Druschki, Gen. Jacq., John Hopper, Mme. Luizet, M. P. Wilder, Mrs. J. Laing, Paul Neyron, Prince Camille, U. Brunner, Crimson, white, yellow and Philadelphia Rambler, common sweet briar, Mme. G. Bruant, Wichuraiana. Ellwanger & Barry, Rochester, N. Y.

Roses, rooted cuttings, Bride, Bridesmaid, Ivory, Richmond, Chatenay, Uncle John, $1.50 per 100; $12.50 per 1,000. Sunrise and Kate Moulton, $3 per 100; $25 per 1,000. Perle, $2 per 100; $17.50 per 1,000. Am. Beauty, bench plants, $10 per 100; $75 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Roses, grafted for forcing, Chatenay, Killarney, Richmond, Liberty, La France, rose pots, $15 per 100; 3½in., $18: Bridesmaid, Golden Gate, Kaiserin, rose pots, $10 per 100; 3½-in., $15 per 100. Own root roses, $9 and $7 per 100. J. L. Dillon, Bloomsburg, Pa.

American Beauties, rooted cuttings, $3 per 100; $25 per 1,000; 2¼-in., $6 per 100; $50 per 1,000. J. F. Wilcox, Council Bluffs, Iowa.

Rose My Maryland, 2 and 2½-in., $25 per 100; $200 per 1,000; 3-in., $5 per doz. John Cook, 318 N. Charles St., Baltimore, Md.

Roses, Maids, Brides and Golden Gate, 2 and 3 eye R. C., $1.50 per 100; $12 per 1,000. Davis Bros., Morrison, Ill.

Roses, Tausendschon, 3-in., 10 for $2; $15 per 100; $1.25 per 1,000. Dingee & Conard Co., West Grove, Pa.

Roses, grafted, Bride, Maid, Richmond, Killarney, Kaiserin, Wellesley. Jackson & Perkins Co., Newark, N. Y.

Roses. C. Soupert, C. Rambler, Dorothy Perkins. Marie Pavie. P. J. Berckmans Co., Augusta, Ga.

Roses. 400 best sorts, 2½ and 4-in. Leedle Floral Co. Springfield, O.

Rose Newport Fairy. Julius Roehrs Co., Rutherford, N. J.

Roses. E. G. Hill Co., Richmond, Ind.

Roses. W. & T. Smith Co., Geneva, N. Y.

Roses. Geo. A. Kuhl, Pekin, Ill.

SALVIAS.

Salvia Zurich, 2-in., $3 per 100; $25 per 1,000; R. C., $1.75 per 100; $15 per 1,000; now ready. The Krueger Bros. Co., Toledo, O.

Salvia Zurich, 2-in., $1 per 25; $3 per 100; $25 per 1,000; R. C., $1.75 per 100. J. L. Schiller, 929 Prouty Ave., Toledo, O.

Salvias, R. C., 90c per 100; 2¼-in., $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Salvia Zurich, R. C., $1.75 per 100; 2-in., $3. Perennial Gardens Co., Toledo, O.

Salvia Bonfire. Splendens. 90c. Byer Bros., Chambersburg, Pa.

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SMILAX.

Smilax, 2½-in., $2.50 per 100; $22 per 1,000; 3-in., $35 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Smilax, fall sown seedlings, 50c per 100; $4 per 1,000. F. A. Baller, Bloomington, Ill.

SEEDS.

Seeds, bean, beet, cabbage, carrot, kohl rabi, leek, lettuce, onion, pea, radish, spinach, turnip, swede, aster, balsam, begonia, carnation, cineraria, gloxinia, larkspur, nasturtium, pansy, petunia, phlox, primula, scabious, stock, verbena, zinnia, etc. Giant pansy, $5 per oz.; $1.50 per ¼ oz.; 75c per 1-16 oz. Henry Mette, Quedlinburg, Germany.

Seeds, garden peas and beans. Rogers Bros., Alpena, Mich.

Seeds, Ageratum, Imperial dwarf blue and white, tr. pkt., 10c; oz., 25c; Blue Perfection, Princess Pauline, tr. pkt., 10c; oz., 40c; Princess Victoria Louise, tr. pkt., 10c; oz., 50c; Little Blue Star, tr. pkt., 25c. Alyssum, sweet, lb., $1.25; tr. pkt., 5c; oz., 15c; Little Gem, tr. pkt., 10c; oz., 35c. Balsam, Alba Perfecta, ¼ oz., 25c; tr. pkt., 10c; oz., $1. Begonia, single tuberous-rooted, tr. pkt., 50c; Vernon, ⅛ oz., 30c; tr. pkt., 10c; oz., $2; Luminosa, tr. pkt., 25c. Bellis or double daisy, Vaughan's mammoth mixture, 1-16 oz., 45c; tr. pkt., 25c; mammoth white, 1-16 oz., 50c; tr. pkt., 25c; Longfellow, ⅛ oz., 35c; tr. pkt., 20c; oz., $2.50; Monstrosa, dbl. white and pink, each, 50c. Browallia speciosa major, oz., 25c. Candytuft, giant hyacinth, fld., ½ oz., 15c; tr. pkt., 10c; oz., 20c. Cannas, Vaughan's special mixture, lb., $1.50; tr. pkt., 10c; oz., 20c. Celosia, Pres. Thiers, tr. pkt., 15c; oz., $1.25. Centaurea candidissima, tr. pkt., 25c; oz., $1; Gymnocarpa, lb., $2.75; tr. pkt., 5c; oz., 30c. Coboea scandens, blue, lb., $3.50; tr. pkt., 10c; oz., 30c. Clematis paniculata, white, sweet scented, lb., $5; tr. pkt., 15c; oz., 50c; large fld. Jackmanni, hybrids, tr. pkt., 25c; oz., $2. Coleus, Mammoth Rainbow, tr. pkt., 25c; large leaved mixed, tr. pkt., 25c. Cyperus alternifolius, ¼ oz., 50c; tr. pkt., 20c; oz., $1.60. Dracæna indivisa, lb., $2.50; tr. pkt., 10c; oz., 30c; lineata and latifolia, tr. pkt., 10c; oz., 40c; australis, tr. pkt., 10c; oz., 60c. Daisy, Burbank Shasta, ⅛ oz., 25c; oz., $1.50. Echeveria, hen and chickens, mixed, 100 seeds, 20c; 1,000 seeds, $1; Metallica, 100 seeds, 35c; 1,000 seeds, $3.50; Secunda glauca, 100 seeds, 15c; 1,000 seeds, $1. Feverfew, Matricaria, Capensis plenissima, tr. pkt., 10c; oz., 25c. Forget-me-not, Vaughan's early and late, flowering, ¼ oz., 25c; tr. pkt., 10c; oz., 80c. Fuchsia, dbl. and single mixed, 250 seeds, 75c; 1,000 seeds, $2.60. Geraniums, apple-scented, 200 seeds, 25c; 1,000 seeds, $1. Grevillea robusta, tr. pkt., 10c; oz., 80c. Linaria Cymballaria, ¼ oz., 40c; tr. pkt., 15c; oz., $1.20; alba, tr. pkt., 15c; oz., $1.20. Lantana hybrida, mixed, tr. pkt., 5c; oz., 15c. Lemon Verbena, ¼ oz., 40c; tr. pkt., 25c. Lobelia, Crystal Palace Comp., ⅛ oz., 25c; tr. pkt., 15c; oz., $1.20; Speciosa, ¼ oz., 15c; tr. pkt., 10c; oz., 50c; Emperor William, ¼ oz., 25c; tr. pkt., 10c; oz., $1; Bedding Queen, ⅛ oz., 25c; tr. pkt., 15c; oz., $1.50. Maurandya, mixed, ¼ oz., 25c; tr. pkt., 10c; oz., $1. Mignonette, true Machet, ½ oz., 25c; 2 ozs., 75c; tr. pkt., 10c; oz., 50c; New York Market, pkt., 1,000 seeds, 50c; ⅛ oz., $1; oz., $6. Mimulus (musk plant) ¼ oz., 30c; tr. pkt., 10c; oz., $1. Musa Martini, and Religiosa, 100 seeds, 85c. Pansies, Vaughan's International mixture, oz., $10; ½ oz., $5; ⅛ oz., $1.50; tr. pkt., 50c; Vaughan's Giant pansy mixture, ¼ lb., $14; oz., $4; ⅛ oz., 60c; tr. pkt., 25c. Petunia, Giants of California, mixed, 1-32 oz., 75c; tr. pkt., 25c; Vaughan's Best mixture of large flowering, tr. pkt., 1,000 seeds, 50c; 3 pkts., $1.25; Vaughan's large double, tr. pkt., 1,000 seeds, $1.20. Pyrethrum, tr. pkt., 10c; oz., 25c. Salvia splendens, Clara Bedman (Bonfire), tr. pkt., 25c; oz., $2.50; Drooping Spikes, ¼ oz., 50c; tr. pkt., 25c; oz., $1.60; Fireball, ⅛ oz., 75c; tr. pkt., 25c; Zurich, tr. pkt., 50c. Primula obconica grandi, mixed, 500 seeds, 25c; large flowering, pink and white, 500 seeds, 25c; fringed, 500 seeds, 50c; Gigantea rosea, 200 seeds, 25c; Gigantea Kermesina, tr. pkt., 30c. Stocks, large flowering, mixed, ⅛ oz., 35c; tr. pkt., 25c; oz., $2; pure white, rose, crimson, blood red, light blue, canary yellow, dark blue, each, ⅛ oz., 35c; tr. pkt., 25c; oz., $2; Cut and Come Again stocks, White Perfection or Princess Alice, blood red, brilliant lilac, pink, each, ⅛ oz., 40c; tr. pkt., 25c; oz., $2.50; mixed, above colors and others, ⅛ oz., 35c; tr. pkt., 20c; oz., $2. Smilax, ¼ lb., $1.25; lb., $5; tr. pkt., 10c; oz., 50c; New myrtle leaved, 100 seeds, 75c; 1,000 seeds, $6. Thunbergia, mixed, 4 oz., $1; tr. pkt., 10c; oz., 40c. Torenia Fournieri, ⅛ oz., 40c; tr. pkt., 15c; F. compacta grandi, ⅛ oz., 50c; tr. pkt., 15c; White Wings, ⅛ oz., 40c; tr. pkt., 15c; Bailloni, 1-16 oz., 50c; tr. pkt., 25c. Verbena, Vaughan's best mixture, tr. pkt., 25c; ¼ oz., 50c; oz., $2; Mammoth mixed, 2 ozs., $1.70; tr. pkt., 10c; ¼ oz., 25c; oz., 80c.; white, tr. pkt., 15c; ¼ oz., 25c; oz., $1; purple and pink shades, tr. pkt., 25c; ¼ oz., 50c; oz., $2; Firefly, scarlet, white eye, tr. pkt., 15c; ¼ oz., 40c; oz., $1.20; striped on red ground, tr. pkt., 15c; ¼ oz., 30c; oz., $1.15; Candidissima, white, tr. pkt., 10c; ¼ oz., 20c; oz., 70c; Defiance, bright scarlet, tr. pkt., 10c; ¼ oz., 25c; oz., 90c; dark blue with white eye, tr. pkt., 10c; ¼ oz., 20c; oz., 70c. Vinca rosea, rosea fl. albo and pure white, each, tr. pkt., 10c; oz.. 60c. Vaughan's Seed Store, 84-86 Randolph and 206-208 W. Randolph St., Chicago.

Seeds, Lettuce, Grand Rapids, ¼ lb., 30c; lb., $1; May King, ¼ lb., 40c; lb., $1.25. Cucumber, Evergreen White Spine, ¼ lb., 25c; lb., 75c; Davis Perfect, ¼ lb., 35c; lb., $1.25. Radish, Vaughan's Cardinal Forcing, ¼ lb., 40c; lb., $1.50; Improved Scarlet Globe, ¼ lb., 25c; lb., 70c; 20 Day Forcing, ¼ lb., 20c; lb., 60c. Scarlet Globe White Tip, ¼ lb., 20c; lb., 60c. Tomato, New Globe, ¼ lb., 75c; lb., $3; Comet, pkt., 25c; Sunrise, pkt., 25c. Cauliflower, Earliest of All, pkt., 25c; oz., $2.50. Vaughan's Seed Store, Chicago and New York.

Seeds. We are now booking orders for Asparagus Sprengeri seed at $4 per lb., 10 lbs., $3.50 per lb. Theodosia B. Shepard Co., Ventura, Cal.

Seeds, ageratum. Blue Perfection, pkt., 15c; oz., 50c. Alyssum Little Gem, pkt., 10c; oz., 35c. Candytuft, Empress, pkt., 10c; oz., 20c. Bellis, Snowball, Longfellow, pkt., 25c. Salvia splendens, pkt., 25c; oz., $1.35. Bonfire, pkt., 25c; oz., $2.50. Verbena, mammoth mixed, pkt., 25c; oz., $1.50. Bridgeman's Seed Warehouse, 37 E. 19th St., New York.

Seeds, asters, Vick's branching, 8 colors; Snowdrift, Royal Purple, Lavender Gem, Daybreak, Purity, Sunset, Mikado, Cardinal, Violet King, Florists' novelty collection; Early White Branching, Imperial aster Sunrise, 25c; Violet King, 20c; Cardinal, 25c; Lavender Gem, 25c; Rosy carmine, 25c; How to Grow Asters, 10c. All of above, including book, 90c. Vick's Imperial Sunrise, pkt., 25c; 2 or more, 20c each. Vick's Early Branching, pkt., 25c; 2 or more, 20c each. Hohenzollern early and late, White Fleece. Empress Frederick, Semple's Branching Pink, Early Wonder, Giant Comet, Queen of the Market. James Vick's Sons, Rochester, N. Y.

Seeds. Farm, garden or flower seeds of best quality. Specialties: fancy pansy, carrot, Brussels sprouts, cabbage, Golden Ball turnip. Price list on application from, The Bedfordshire Seed Co., Ltd., Sandy, England.

Seeds, Asparagus plumosus nanus, northern greenhouse grown, per 100 seeds, 60c.; 250, $1.25; 1,000, $4.50; 5,000, $21.25; 10,000, $40. Vaughan's Seed Store, Chicago and New York.

Seeds, Begonia gracilis luminosa. Erfordia, Zangen's Bedding Queen, tr. pkt., 50c; 6 pkts., $2.50. Sweet alyssum, Carpet Queen, tr. pkt., 25c; 6 pkts., $1.25. O. V. Zangen, Hoboken, N. J.

Seeds, verbena, mammoth, colors or mixed, ¼ oz., 30c; oz., $1. Salvia splendens, ¼ oz., 35c; oz., $1.25; Bonfire, ¼ oz., 75c; oz., $2.50. W. C. Beckert. Pittsburg, N. S., Pa.

Seeds. Tomato, the Don, Cauliflower, First and Best. Onion, Ailsa Craig. Lettuce, Ideal. Mignonette, N. Y. Market. Weeber & Don, 114 Chambers St., New York.

Seeds, Asparagus plumosus nanus, 50c per 100 seeds; $3.50 per 1,000; $15 per 5,000. H. H. Berger & Co., 70 Warren St., New York.

Seeds, bean, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, onion, lettuce, sweet peas and other California specialties. C. C. Morse & Co., 48 to 56 Jackson St., San Francisco, Cal.

Seeds, Conway's White Branching aster, trade pkt., $1; ½ oz., $3; oz., $5. F. A. Conway & Co., Indianapolis, Ind.

Seeds, lettuce, onion, sweet pea, aster, cosmos, mignonette, verbena. Waldo Rohnert, Gilroy, Cal.

Seeds, cabbage and cauliflower. Hjalmar Hartman & Co., 12 Stormagde, Copenhagen; 31 Barclay St., New York.

Seed. Asparagus plumosus robustus, $1.25 per doz.; $15 per lb., post free. Thos H. Wood, Brisbane, Australia.

Seeds, growers for the wholesale trade only. Braslan Seed Grower's Co., San Jose, Cal.

Seeds, pansy, 1,000 seeds, mixed, 25c; 1 oz., $2.25. H. Wrede, Luneburg, Germany.

Seeds of all kinds. H. E. Fiske Seed Co., 12 and 13 Faneuil Hall Sq., Boston, Mass.

Seeds. Tomato Waveland, $1 per pkt., $3 per oz. H. Kuld, Box 193, Norwood, Mass.

Seeds, garden, field and flower. S. D. Woodruff & Sons, 82 Dey St., New York.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds of all kinds. A. T. Bodington, 342 W. 14th St.. New York.

Seeds, all kinds. St. Louis Seed Co., 784-786 N. 4th St., St. Louis.

Seeds. A. J. Pieters Seed Co., Hollister, Cal.

Seeds. W. Atlee Burpee & Co., Philadelphia.

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SPIREAS.

Spireas. Jacs Smits, Ltd., Naarden, Holland.

STEVIAS.

Stevia, R. C., $1 per 100. E. T. Wanzer, Wheaton. Ill.

SWAINSONAS.

Swanisona alba, R. C., $1; 2-in., 2c. Byer Bros., Chambersburg, Pa.

VEGETABLE PLANTS.

Vegetable plants, lettuce, Grand Rapids. Boston Market, Big Boston, 25c per 100; $1 per 1,000. Tomato. Mayflower and Lorillard, 50c per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Lettuce plants, Grand Rapids and Black Seeded Simpson, $1 per 1,000; $9 per 10,000. B. E. Wadsworth, Box 224, Danville, Ill.

Vegetable plants, cabbage: Wakefield, Express, Winningstadt, $1 per 1,000. Byer Bros., Chambersburg, Pa.

If you do not find what you need in our Ready Reference Department, write us about it.

VERBENAS.

Verbenas, 60 vars., R. C., our selection, 75c per 100; $6 per 1,000; plants, our selection, 2¼-in., $2.50 per 100; $20 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Verbenas, R. C., separate colors, 75c per 100; $6 per 1,000; 2½-in., $2 per 100, ready March 1. The Krueger Bros. Co., Toledo, O.

VINCAS.

Vinca variegated, R. C., 90c per 100; 2¼-in., $2.50 per 100, 3-in., $10 per 100; 5-in., $15 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Vinca variegata, 3-in., ready to shift, $4 per 100; 4-in., $7 per 100. John S. Leach, Hartford City, Ind.

Vinca maj. var., 2-in., 2¼c; 3-in., 5c; 4-in., 7c. Leedle Floral Co., Springfield, O.

Vinca variegata, 2¼-in., $2.50 per 100. Jos. H. Cunningham, Delaware, O.

VIOLETS.

Violets, Boston, $2 per doz.; $12 per 100; $100 per 1,000. Wm. Sim, Cliftondale, Mass.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Allen, J. K., 106 W. 20th St., New York.

Amling E. C., 32-36 Randolph St., Chicago.

Berning, H. G., 1402 Pine St., St. Louis.

Buffalo Cut Flower Co., 468 Washington St., Buffalo, N. Y.

Deamud, J. B. Co., 51 Wabash Ave., Chicago.

Ford Bros., 48 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

Guttman, Alex J., 43 W. 28th St., New York.

Harty & Co., 1312 G St., N. W., Washington.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kennicott Bros. Co., 48-50 Wabash Ave., Chicago.

Kuehn, C. A. 1122 Pine St., St. Louis.

Langjahr, Alfred H., 55 W. 28th St., N. Y.

McCullough's Son Co., J. M., 316 Walnut St., Cincinnati, O.

McIntyre, John. 1601 Ranstead St., Philadelphia.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

McKissick, W. E., 1619-1621 Ranstead St., Philadelphia.

Michigan Cut Flower Exchange, 30-40 Broadway, Detroit, Mich.

Millang Bros., 43 W. 28th St., New York.

Millang, Frank, 55-57 W. 26th St., New York.

Murdoch, J. B. & Co., 714 Penn Ave., Pittsburg, Pa.

Niessen Co., Leo., 1208 Arch St., Philadelphia.

N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.

Perkins & Nelson, 57 W. 26th St., New York.

Pittsburg Cut Flower Co., Ltd., 222 Oliver Ave., Pittsburg, Pa.

Pittsburg Florists' Exchange, 217-223 Diamond St., Pittsburg, Pa.

Pollworth, C. C. Co., Milwaukee, Wis.

Randall, A. L. Co., 19 Randolph St., Chicago.

Raynor, John L., 49 W. 28th St., New York.

Rice Bros., 128 N. 6th St., Minneapolis, Minn.

Robinson, Henry M. & Co., 11-15 Province St., Boston.

Seligman, John, 56 W. 26th St., New York.

Sheridan, Walter F., 39 W. 28th St., New York.

Smith & Co., D., 111 W. 28th St., New York.

Smith & Co., W. C., 1316 Pine St., St. Louis.

Traendly & Schenck, 44 W. 28th St., N. Y.

Vaughan & Sperry, 58-60 Wabash Ave., Chicago.

Welch Bros., 226 Devonshire St., Boston.

Winterson, E. F. Co., 45-59 Wabash, Chicago.

Young, A. L. & Co., 54 W. 28th St., New York.

Young, Jr., Thos., 500 5th Ave., N. Y.

Young, John, 51 W. 28th St., New York.

Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76-78 Wabash, Chicago.

Benthey & Coatsworth Co., The, 35 Randolph St., Chicago.

Bruns, H. N., 1409-11 W Madison St., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Elliott, W. H., Brighton, Mass.

Hill, The E. G. Co., Richmond, Ind.

Jensen & Dekema, 674 W. Foster Ave., Chicago.

Joy Floral Co., 601 Church St., Nashville, Tenn.

Muskogee Carnation Co., Muskogee, Okla.

Peacock Dahlia Farms, Atco, N. J.

Poehlmann Bros., 35-37 Randolph St., Chicago.

Reinberg, Peter, 51 Wabash Ave., Chicago.

Weiland & Olinger, 128 E. 3rd St., Cincinnati, O.

Weiland & Risch, 59 Wabash Ave., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

Wittbold, Geo. Co., 1657 Buckingham Pl., Chicago.

Woodrow, Samuel A., 53 W. 30th St., New York.

RETAIL CUT FLOWERS.

Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree St.

Albany, N. Y.—H. G. Eyers, 11 N. Pearl St.

Boston—Houghton & Clark, 396 Boyleston St.

Brooklyn, N. Y.—Robt. G. Wilson, Fulton St. and Green Ave.

Buffalo, N. Y.—Palmer's.

Chicago.—Hauswirth Florist, Auditorium Annex.

Dayton, O.—Mathews, 16 W. 3rd St.

Denver, Col.—Danieles & Fisher.

Denver, Col.—The Park Floral Co.

Detroit, Mich.—John Breitmeyer's Sons, cor. Miami and Gratiot Aves.

Galveston, Tex.—Mrs. M. A. Hanson.

Indianapolis, Ind.—Bertermann Bros. Co., 241 Mass. Ave.

Kansas City, Mo.—Geo. M. Kellogg, 906 Grand Ave., also Pleasant Hill, Mo.

Kansas City, Mo.—Samuel Murray, Coates House Co., 1017 Broadway.

Los Angeles, Cal.—J. W. Wolfskill, 218 W. 4th St.

Louisville, Ky.—J. Schultz, 644 4th Ave.

New Orleans, La.—U. J. Virgin, 833 Canal St.

New York—W. H. Donohoe, 2 W. 29th St.

Omaha, Neb.—Hess & Swoboda, 1415 Farnum St.

Rochester, N. Y.—J. B. Keller Sons, 25 Clinton St.

St. Louis, Mo.—Fred C. Weber, 4320-28 Olive St.

St. Louis, Mo.—Young's, 1406 Olive St.

St. Paul, Minn.—Holm & Olson.

San Francisco, Cal.—J. B. Boland Co., 47-49 Geary St.

Seattle, Wash.—Woodland Seed & Floral Co., 808 2nd Ave.

Washington, D. C.—Z. D. Blackistone, 14th and H. Sts., N. W.

Washington, D. C.—A. Gude & Bro., 1214 F. St.

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ARTIFICIAL FLOWERS.

Artificial poinsettias. J. Schroeder, 2253 Ontario St., Cleveland, O.

BOILERS.

Boilers, corrugated, firebox and sectional greenhouse heating. Hitchings & Co., 1170 Broadway, New York.

Boilers, improved greenhouse boilers, made of best material; shell firebox sheets and heads of steel; water space all around (front, sides and back.) Kroeschell Bros. Co., 45 Erie St., Chicago.

Boilers, the Superior improved internal fired boiler. Made in 10 sizes to heat from 2,000 to 6,500 ft. of 4-in pipe. Superior Machine and Boiler Works, 125-133 W Superior St., Chicago.

Boilers, Gurney heaters, heat by steam or hot water. Gurney Heater Mfg. Co., 111 5th Ave., New York; 74 Franklin St., Boston.

Boilers, the Burnham boilers, made for greenhouse heating Lord & Burnham Co., 1133 Broadway, New York.

Boilers, boilers of high grade for greenhouses. Steam or hot water. Giblin & Co., Utica, N. Y.

Boilers, steel return tubular, steam or water. Johnston Heating Co., 138 E. 31st St., N. Y.

Boilers and tubes. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Boilers, water tube steam boilers. King Construction Co., North Tonawanda, N. Y.

Boilers. S. A. Jacobs & Sons, 1365 N. Flushing Ave., Brooklyn, N. Y.

Boilers. Myers & Co., 1122 Betz Bldg., Philadelphia.

BOXES.

Cut flower boxes. Send for prices. Edwards Folding Box Co., Philadelphia, Pa.

BUILDING MATERIAL.

Building and propagating sands, fire brick and fire clay, Portland cement, hard wall plaster. Garden City Sand Co., Security Bldg., Chicago.

Building material for U-bar greenhouses. Pierson U-bar Co., Metropolitan Bldg., 4th Ave. and 23d St., New York

Building material of all kinds. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn.

Building material, lumber for greenhouse benches, shiplap, drop siding, sheeting, flooring, white cedar posts, etc. We are in special position to furnish "Pecky Cypress;" everything in pine and hemlock building lumber. Adam Schillo Lumber Co., cor. Weed and Hawthorn Sts., Chicago.

Building material, cypress sash bars. Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pipe fittings and all supplies needed in new or reconstruction work. Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouses and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Building material of all descriptions for all cypress, semi-iron, iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 113 Blackhawk St., Chicago.

Building material, lumber, hotbed sash, supplies of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Building material of all kinds. S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

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CUT FLOWER HOLDER.

The Anglais decoration, made in sections, can be adjusted to any form desired. "Japana" flower holder, 4½-in., 50c; 3½-in., 35c; 2½-in., 25c. Garusey, 131 S. Waiola, La Grange, Ill.

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Dried and ground SHEEP MANURE. Nature's product unadulterated. For particulars address Natural Guano Co., Aurora, Ill.

Wizard brand pulverized sheep manure, large barrel, $4. The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

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Glass importers and jobbers; greenhouse glass a specialty. Window glass. James H. Rice, corner Michigan, St. Clair and Illinois Sts., Chicago.

Glass, greenhouse glass a specialty; also window glass. Sprague, Smith & Co., 167-9 Randolph St., Chicago.

Glass. See my low prices on any size window glass you want. Greenhouse glass a specialty. John S. Leach, Hartford City, Ind.

Glass for conservatories, greenhouses and gardeners. The Johnston Glass Co., Hartford City, Ind.

Glass, French and American "White Rose." Stenzel Glass Co., 2 Hudson St., New York.

Glass, high grade, double thick, greenhouse glass. Lord & Burnham, 1133 Broadway, N. Y.

Glass, all sizes. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn, N. Y.

Glass of all sizes. S. Jacobs & Sons, 1365 N. Flushing Ave., Brooklyn, N. Y.

Glass of all kinds and sizes. Sharp, Partridge & Co., 22nd and Lumber Sts., Chicago.

GLAZING POINTS.

Glazing points; see the point? Holds glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Siebert's zinc, never-rust glazing points, 2 sizes, ⅝ and ⅞, 40c per lb.; 16c extra by mail; 7 lbs., $2.50; 15 lbs., $5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburg, Pa.

Glazing points, Lord & Burnham special glazing nails (points). Lord & Burnham Co., 1133 Broadway, N. Y.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of greenhouses for private estates, institutions, parks, etc. Pierson U-bar Co., Metropolitan Bldg., 4th Ave. and 23d St., New York.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 113 Blackhawk St., Chicago.

Greenhouse construction of all kinds and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Greenhouse construction and equipment. King Const. Co., N. Tonawanda, N. Y., and Toronto.

If you do not find what you need in our Ready Reference Department, write us about it.

Greenhouse construction, builder of private or commercial greenhouses. Frank Van Assche, Fulton and Rose Ave. and Dwight St., Jersey City, N. J.

Greenhouse construction, semi-iron greenhouses, new truss houses and iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction, builders of every type of greenhouses; the most modern designs. Hitchings & Co., 1170 Broadway, N. Y.

Greenhouse construction, iron frame greenhouses of all kinds. The Greenhouse Structural Co., 840 W. 4th St., Cincinnati O.

Greenhouse construction, builders of modern greenhouses. Myers & Co., 1122 Betz Bldg., Philadelphia.

GUTTERS.

Gutters, Garland's gutters will keep snow and ice off your glass. A sample of our gutters is on exhibition at Chicago Flower Growers' Market. Geo. M. Garland, Des Plaines, Ill.

Gutters, cast-iron gutters. Lord & Burnham Improved V-shaped gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, New York.

Gutters, Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Gutters for wood houses. The Greenhouse Structural Co., 840 W. 4th St., Cincinnati, O.

HOSE.

Hose, garden, up to 2½-in. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Hose, 50-ft. lengths, ¾-in., 8½c; for heavy work, 12½c. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn, N. Y.

INSECTICIDES.

Insecticides, tobacco paper, 24 sheets, 75c; 144, $3.50; 288, $6.50; 1,728, $35.10. Nico, Fume liquid, pint, $1.50; ½ gal., $5.50; gal., $10.50; 5 gals., $47.25. The Kentucky Tob. Product Co., Louisville, Ky.

Insecticides. Carman's Antipest insecticide and fungicide, $1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Fumigating supplies, vaporizing pans for tobacco extract, improved. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Tobacco stems, bales 500 lbs., $1.50. W. C. Beckert, Allegheny, Pa.

Insecticides. Nicotcide Bug Killer, the best bug killer and bloom saver. P. R. Palethorpe Co., Owensboro, Ky.

Fresh tobacco stems, 50c per 100 lbs.; $10 per ton. Scharff Bros., Van Wert, O.

MISCELLANEOUS.

Printing. Large runs of catalogues a specialty. Write for figures. Regan Printing House, 89-91 Plymouth Pl., Chicago.

Engravings. Best engravings and illustrations of every description for catalogues. Send for estimates. Globe Eng. & Elec. Co., 427 Dearborn St., Chicago.

Florists' overdue accounts and bad debts collected by the National Florists' Board of Trade, 56 Pine St., New York.

Pillsbury's carnation Staple, 50c per 1,000 postpaid. I. L. Pillsbury, Galesburg, Ill.

Heller's mice proof seed cases and bins. Heller & Co., Montpelier, O.

PAINT, PUTTY, ETC.

R. I. W. damp resisting paint. Garden City Sand Co., Security Bldg., Chicago.

Paint, Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, New York.

Paint, putty, etc. The Jas. H. Rice Co., cor. Michigan. St. Clair and Illinois Sts., Chicago.

PIPE, FITTINGS, ETC.

Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Pipes and fittings, cast iron and wrought pipe, valves, elbows, pipe hooks, automatic air headers, etc. Lord & Burnham, 1133 Broadway, New York.

Iron fittings, patent iron bench fittings and roof supports. Diller, Caskey & Keen, 6th and Berk. Sts., Philadelphia.

Iron fittings, iron purlins, etc. The Greenhouse Structural Co., 840 W. 4th St., Cincinnati, O.

Pipe fittings, etc. S. Jacobs & Sons, 1365 N. Flushing Ave., Brooklyn, N. Y.

Pipes, valve fittings. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

POTS, PANS, ETC.

Pots, standard seed pans, cut-flower cylinders, hanging baskets, lawn vases, etc. Hilfinger Bros. Pottery, Ft. Edward, N. Y.

Pots, standard flower pots. The Whilldin Pottery Co., Philadelphia, Pa.; Jersey City, N. J.; Long Island City, N. Y.

Pots, red standards, full size and wide bottoms. Detroit Flower Pot Mfg., 490 Harvard St., Detroit, Mich.

Pots, red standard. Paducah Pottery Co., Paducah, Ky.

Pots, before buying write for prices. Geo. Keller & Son, 361-63 Herndon St., near Wrightwood Ave., Chicago.

Pots, red standard azalea pots. The Keller Pottery Co., 213-223 Pearl St., Norristown, Pa.

Pots, pots of all kinds. A. H. Hews & Co., No. Cambridge, Mass.; Long Island City, N. Y.

Pot hangers, Kramer's $1 doz., exp., $1.25, mail. I. N. Kramer & Son, Cedar Rapids, Ia.

Paper flower pots. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Pots and azalea pans. Twin City Pottery Co., Minneapolis, Minn.

The Red Pot. C. C. Pollworth Co., all roads connect with Milwaukee.

Pots, standard, all sizes. A. F. Kohr, 1521 Leavitt St., Chicago.

Pots, standard red flower. A. J. Marquis, Middleburg, O.

Pots, Syracuse red. Syracuse Pottery Co., Syracuse, N. Y.

Pots. Ionia Pottery Co., Ionia, Mich.

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Pumping Engines, two streams of water for 1 hour cost 2 cents if you use a Standard pumping engine. The Standard Pump & Engine Co., Cleveland, O.

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Florists' refrigerators, all sizes and kinds. McCray Refrigerator Co., 760 Mill St., Kendallville, Ind.

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Supplies, importers and manufacturers of florists' supplies. L. Baumann & Co., 78 Wabash Ave., Chicago.

Supplies, wire designs, etc. The Cleveland Cut Flower Co., 215 Huron Road, Cleveland, O.

Supplies, wire designs. Pittsburg Florists' Ex., 228 Diamond St., Pittsburg, Pa.

Supplies of all kinds and novelties. E. H. Hunt, 76 Wabash Ave., Chicago.

Supplies, all kinds. H. M. Robinson & Co., 8-11 Province St., Boston.

Supplies of all kinds. E. F. Winterson Co., 45-49 Wabash Ave., Chicago.

Supplies of all kinds. A. L. Randall Co., 19-21 Randolph St., Chicago.

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Lock the door before the horse is stolen, and insure your glass before it is broken.

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GREENHOUSE GLASS.

French and American "WHITE ROSE" Brand.

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Never Rust
GLAZING POINTS
Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, ⅝ and ¾. 40c per lb.; by mail, 16c extra; 7 lbs. for $2.50; 15 lbs. for $5.00 by express. For sale by the trade.

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Holds Glass Firmly
See the Point
PEERLESS
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
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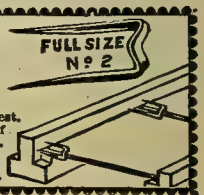

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For Conservatories, Greenhouses and Gardeners.
Special Prices on Hotbed Sizes. Standard Quality. Large Capacity. Lowest Prices.

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both depend upon their refrigerators to determine whether their stock shall sell or stay in the store. McCray Refrigerators keep stock in such perfect, fresh and fragrant condition that it cannot help selling, and the McCray uses less ice than any other. It virtually pays for itself. The patented system of air circulation which cools all parts evenly, thoroughly, and with fresh, cold, dry air, is one of the features of

McCray Refrigerators

They are made in the most beautiful finish and substantial construction. They are lined with white enamel, or if you wish, you may have tile, opal glass, mirrors or marble.

There is a wide range of regular sizes of McCray Refrigerators for immediate shipment, although we build them to order for any requirement.

You should have our Catalog No. 71, which describes the detail of these successful and economical refrigerators for the florist.

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760 Mill Street Kendallville, Indiana.

Tobacco Paper IS THE STRONGEST, BEST PACKED, EASIEST APPLIED.

"NICO-FUME" LIQUID

OVER 40% NICOTINE.

Furnishes the Most Nicotine for the Money!

By far the CHEAPEST.

JUST NOTE PRICES:

24 sheets	$ 0.75	Pint	$ 1.50
144 sheets	3.50	½ Gallon	5.50
288 sheets	6.50	Gallon	10.50
1728 Sheets	35.10	5 Gallons	47.25

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

Omaha.

January was one of the nicest winter months we have seen for over 20 years and has saved considerable coal for the grower. Business has been steady and up to last year, but prices have been lower, especially on carnations. There are few parties, but lots of funerals, which is really the bulk of the business. American Beauty roses are scarce; tea roses and carnations are plentiful and good. Violets are at their best and sell well. Bulbous stock is coming in and helps out considerably. Pot plants in bloom move slowly since the holidays and azaleas, especially, even at reduced prices, more slowly.

NOTES.

On February 1 one of our most prominent physicians was buried and a good many elaborate designs were displayed. McNamara & Evans made a panel 4x5 feet of bronze galax, with a cluster of callas, violets and lily of the valley. A Donaghue made a shield of violets and yellow tulips; in fact, all the florists had a goodly number of designs and sprays of all descriptions.

The wholesalers in this vicinity complain about low prices. Paul B. Floth brings in some very fine Aristocrat carnations; he grows this variety to perfection.

Geo. Sorensen, the violet grower, reports he never had such fine violets and so many before on account of the open winter.

The Omaha florists called by invitation, January 19, at Hess & Swoboda's greenhouses where they spent a pleasant afternoon.

Visitors: H. Bayersdorfer and wife, Philadelphia, Pa., on their way to California; A. Currie, of Milwaukee; C. W. Scott, of Vaughan's Seed Store, Chicago, and Wm. Hagemann, New York.

GRIPPE.

PILLSBURY'S Carnation Staple. Patent applied for.

The BEST, CHEAPEST, QUICKEST SIMPLEST and EASIEST way to fix your Split Carnations. Only 50c per 1000, postpaid.

I. L. PILLSBURY,
Florist, GALESBURG, ILL.

Cattle Manure In Bags

Shredded or Pulverized

Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.

The Pulverized Manure Co.,
32 Union Stock Yards, Chicago

Carman's Antipest

INSECTICIDE AND FUNGICIDE

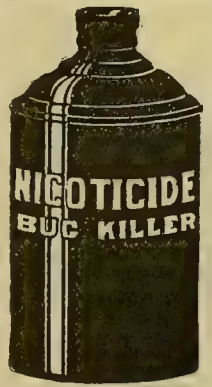
For the Garden, Orchard and Greenhouse

Non-poisonous and harmless to vegetation.

Kills Green Fly, Aphides, Bark Lice, Thrips, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

This is the Grower's Friend, handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. $1.50 per gallon. Also in quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO.,
FLUSHING, N. Y.



THE BEST Bug Killer and Bloom Saver.

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P. R. PALETHORPE COMPANY,
OWENSBORO, KY.

BANGOR, ME.—E. B. Hutchins has opened a floral store at 65 Hammond street, under the style of the New Floral Co. Miss Lizzie Miller, formerly with Carl Beers and the Mt. Hope Floral Co., will be in charge as manager of the store.

MADISON, WIS.—At the annual meeting of the State Horticultural Society, February 4, the following officers were elected: R. J. Coe, Fort Atkinson, president; D. E. Bingham, Sturgeon Bay, vice-president; Prof. F. Canefield, Madison, secretary; L. G. Kellogg, Ripon, treasurer.

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THE LARGEST MANUFACTURERS OF
STANDARD FLOWER POTS
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Standard Flower Pots
Porosity and Strength Unsurpassed.
Write for Prices.
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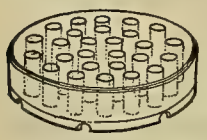
THE "JAPANA" CUT FLOWER HOLDER



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Made of glass in 3 sizes.
Send for circular and price list.
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Wired Toothpicks
10,000, $1.75; 50,000, $7.50. Manufactured by
W. J. COWEE, BERLIN, N. Y.
Sample free. For sale by dealers.

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Importers and Manufacturers of
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76-78 Wabash Ave., CHICAGO.
Write for our New Catalogue F. Our prices may interest you.

A. HERRMANN,
Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florists' Supplies.
SEND FOR PRICES.
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— MAKER OF —
Artificial Flowers,
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CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

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FLORISTS' SUPPLIES
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in Glassware, Pottery, Decorative Greens and all Florists' Requisites.

THE KELLER POTTERY COMPANY,
Manufacturers of **FLORISTS' RED STANDARD POTS.**
Azalea Pots, Bulb and Fern Pans, Etc.
Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.
Mention the American Florist when writing

The Ionia Pot is the Best Pot.
That's the reason why it was necessary to double our capacity in 1907 to take care of the trade of 1908. Our factory equipment is the best. Our output is the largest.
Hand your next season's order to Uncle Sam today. Our invoice will be in your hands on his return trip.
IONIA POTTERY COMPANY, Ionia, Mich.

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Standard Flower Pots!
Packed in small crates, easy to handle.

Price per crate			Price per crate		
1500 2-in., in crate,		$4.88	120 7-in., in crate,		$4.20
1500 2¼	"	5.25	60-8	"	3.00
1500 2½	"	6.00	HAND MADE.		
1000 3	"	5.00	48 9-in., in crate,		$3.60
800 3½	"	5.80	48 10	"	4.80
500 4	"	4.50	24 11	"	3.60
320 5	"	4.51	24 12	"	4.80
144 6	"	3.16	12 14	"	4.80
			6 16	"	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address
HILFINGER BROS. POTTERY, Fort Edward, N.Y.
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31 Barclay Street, New York City.
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GEO. KELLER & SON,
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Before buying write for prices
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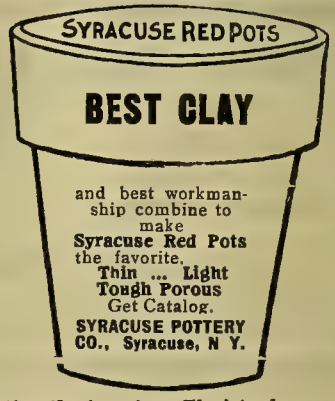
STANDARD GREENHOUSE
Red Flower Pots.

size	Per 1000	size	Per 1000
1¾-in flower pots,	$ 2.60	3½-in flower pots,	$ 6.50
2 -in flower pots,	3.00	4 -in flower pots,	7.90
2½-in flower pots,	3.90	4½ in flower pots,	10.00
3 -in flower pots,	4.50	5 -in flower pots,	12.00
		6 -in flower pots,	20.00

A. J. MARQUIS, Prop. Middleburg, Ohio.



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Kramer's Pot Hangers
For Sale by Wholesale Seedsmen, Florists and Supply Dealers.
Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.
I. N. Kramer & Son, CEDAR RAPIDS, IOWA.
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Twin City Pottery Mfg. Co.
Minneapolis, Minn.
Plants grow best in our Porous Pots.
STANDARD FLOWER POTS, Azalea Pans, Hanging Baskets, etc.
Send your orders early.

Red Standard Flower Pots
Price list and samples on application.
PADUCAH POTTERY CO., Inc.
PADUCAH, KENTUCKY.

Those Red Pots
"STANDARDS"
FULL SIZE AND WIDE BOTTOMS, BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'F'Y.
HARRY BALSLEY, Rep. DETRIOT, MICH. 490 Howard St

Always mention the American Florist when you order stock.

STEEL RETURN TUBULAR
Steam BOILERS Water

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Gentlemen —The internally fired steel boilers which you installed last fall are giving us great satisfaction. They heat very quickly and are very economical. We are exceedingly well pleased with them and they have more than met our expectations. Very truly yours, F. R. PIERSON CO.

Johnston Heating Co., 138 East 31st. St. NEW YORK CITY
Write for catalogue and prices.

European Horticulture.

FROM THE BRITISH TRADE PAPERS.

PRUNUS JAPONICA FLORE PLENO. — Where hardy shrubs are forced into bloom during the early months of the year, this delightful little member of the plum family (which, by the way, is often known as Prunus Sinensis), occupies a foremost position. It forms a neat bushy specimen, and when at its best the slender, rather upright shoots are studded for some distance with large double blossoms, suggesting those of a double-flowered cherry. There are two forms, one in which the flowers are pure white, and the other in which they have a pinkish tinge. This latter feature is more noticed in the bud state, and just as the flowers are expanded, than it is afterwards. Another point in its favor is that it retains its beauty when forced, longer than many other shrubs, as a succession of blossoms is kept up for some time. This prunus may be grown altogether in pots, and under such treatment it can be depended upon to flower year after year, added to which, plants that are continually forced flower earlier than those so treated for the first time. In the case of those it is intended to keep in pots they should, as soon as the blossoms are over, have the flowering shoots cut back to within a couple of inches or so of the base. They must still be kept under glass and encouraged to make good vigorous shoots. Then when all danger from frosts is over the plants can be plunged in a sunny spot outdoors, where the wood will be well ripened. In obtaining plants of this prunus care must be taken to see that they are on their own roots, for they are often budded or grafted on to the sloe, and the suckers from the stock are always a nuisance.

A YELLOW PEONY.—Peony Mlokosewitschi is a prominent plant among the several figures in a recent issue of the Botanical Magazine. It comes from the Caucasus, is a thoroughly hardy perennial, and the best of the few yellow-flowered kinds. Philodendron Corsinianum, a climbing aroid, raised on the continent, and one that produces large red spathes; Viburnum utile, a shrubby, white flowered member of the laurustinus group, from China; Herbertia amatorum, a pretty iridaceous plant from South America, with vivid violet-blue flowers; and Pseudolarix Fortunei, a beautiful golden larch, first discovered by Fortune, are other subjects figured and described in the same issue.

HORSE CHESTNUTS.—The common horse chestnut (Aesculus hippocastanum) is a well-known large tree in this country, but some of the other members of the family are smaller in growth and equally beautiful. A. carnea (rubicunda) is of hybrid origin, and bears bright red spikes of flowers in late May; but A. carnea Briotii is much brighter in color and quite as easily grown, though it is not often seen. A. Californica is a small tree with erect spikes of white, sweet-scented flowers, opening in May, and A. Indica (the Himalayan horse chestnut) is a distinct and handsome tree, which will become popular when it is better known. The blooms are white with yellow and red blotches at the base of the petals, and open in July, when all the other horse chestnuts are past.

THE SUPERIOR
Improved Internal-Fired Steel Boiler.
Note the Large Fire and Ash Door Openings.

Send for new illustrated catalogue.
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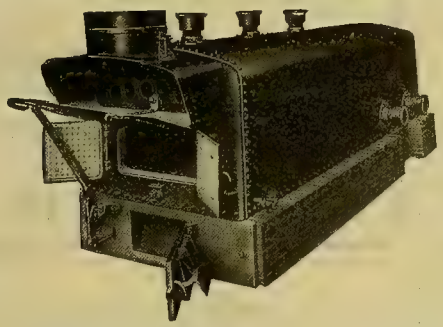

SEE HOW WELL THEY LIKE ME
150 New Establishments with 2,158,000 square feet of glass have installed this boiler in 1906.
Ask for list of users and get acquainted with the men who know.
Catalogue and prices on application.
KROESCHELL BROS. CO., 45 Erie St... ...CHICAGO.

DIVIDING PERENNIALS.—Where borders of hardy perennials have not been overhauled in autumn it is necessary to go over them in spring, not in many cases to replant them, as that would injure the display of bloom for this year, but to reduce those which are overgrown and to take pieces off for propagating purposes. Many asters, sunflowers, and things of spreading growth should be either taken up, reduced and replanted, or pieces taken off. It is a great mistake to take away the outside of a clump, as this is the youngest and most vigorous part of the plant. Some of the outside growths should be replanted, and the effete central portion disposed of on the rubbish heap or burned with other rubbish. A large clump can be cut through with the spade, and the best time for this is when the young growths begin to push through. If left too long the shoots will be too long to do much with safety, as some of them are sure to be broken off at the tender stage at which they are. Where stock is wanted a growing crown with a few roots attached will supply a good nucleus for a plant.

POPULARITY OF KEW.—The number of visitors to Kew Gardens last year was 2,962,714, the number on Sundays being 1,268,501, and on weekdays 1,694,213. The total shows an increase of 623,222 visitors over 1906, in which year a record was established.

SAVE
FUEL, WATER, REPAIRS.
HOW?
By Installing a
MOREHEAD TRAP
Write us for a 30 days' trial. We will place a trap in your heating system and will abide by your decision whether it pays or not. We know once you install a MOREHEAD you will never be without one—Investigate it.
MOREHEAD MFG. CO.
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The Best Way to Collect an Account
is to place it with the
NATIONAL FLORISTS' BOARD OF TRADE,
56 Pine St., New York.
Why? Because many debtors will pay the Board, fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

The Hickory.

"No wood will be more difficult to replace when the approaching shortage in the supply of hardwoods overtakes us than the hickory," one of the foresters in the employ of the government recently said. The truth of this statement is not realized by anyone more than the practical men of the various trades whose future prosperity is measured by the available supply of this valuable timber.

Hickory ranks only twelfth among the hardwoods in the country's annual timber cut, according to the census report for 1906. So far as quantity is concerned it is not to be compared with white oak or yellow poplar. But it is used today for a number of purposes which require great toughness and great strength, and no other wood occurring in considerable quantity combines these properties in a greater degree than do some of the hickories.

Peculiar interest is given to the situation by the fact that hickory is distinctively an American genus. It occurs only in the eastern part of the United States, and large quantities of hickory handles, spokes, wheels, and other parts of vehicles, and farm implements are exported each year to all parts of the world.

The requirements of the trade are very exacting. Hickory timber to be serviceable must be heavy, clear and straight grained. To this very essential qualification, custom and tradition have added an unnecessary burden in the shape of grading rules which discriminate against red hickory, and also against iron streaks, small bird pecks, and hard knots in the wood, which may not really affect the strength at all.

Practical users of this timber have realized for years that a revision of the grading rules was not only advisable but necessary, and now the National Hickory Association of Chicago has requested the United States Forest Service to cooperate with it in the revision of the grading rules for vehicle and agricultural implement stock. This association is composed largely of hickory and oak users, and its members represent the wagon, carriage, spoke, handle, hardwood dimension and agricultural implement manufacturers, together with the accessory trades.

The grading rules for the classes of material used by the manufacturers of this association are today largely what they were 25 years ago. The dissatisfaction constantly arising from the inadequacy of the present rules calls for a complete revision to make them conform with present day conditions.

During the past two years the forest service had been conducting a study of the vehicle industry, supplemented by a large number of tests to determine the relative effect of various defects upon the strength of vehicle stock, and to ascertain the relative strength of white and red hickory. The results of these studies have been made the subject of a forest service publication which will be issued shortly.

Fighting Insects in California.

The work of fighting insect pests for the year cost the Riverside county, Cal., horticultural commission a little in excess of $12,000, or about $1,000 a month, according to the annual report which was submitted to the Board of Supervisors January 23, by Secretary H. K. Smith. The exact cost was $12,763.31. From this amount should be deducted collections of $937.64 from Corona and $100 from Riverside, reducing the figures to $11,725.77.

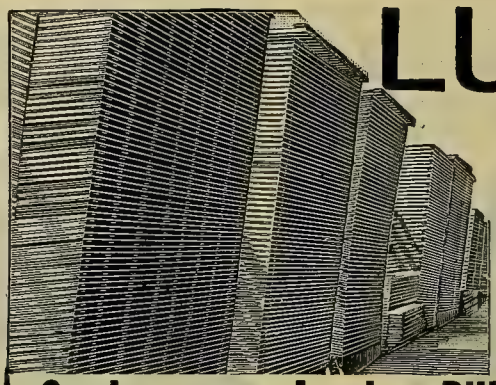
In the first district the commissioner worked a total of 304 days at an expense of $1,216; seven inspectors worked a total of 1,781½ days at an expense of $4,453.75, reporting the examination of 6,466 acres of orchards, finding and platting the location of 33,126 trees infested with insect pests that are injurious to fruit and fruit trees.

The eradication report showed that 267,512 trees were sprayed at the orchard owners' expense, or fumigated to destroy insect pests, as well as to clean the fruit in many instances and save the expense of washing after the fruit gets to the packing houses.

The amount paid out for new tents and outfitting, charged to this district, was $1,211.69. Enforced eradication bills were paid, amounting to $800.80. The last-named amount will be collected and returned to the treasury by the district attorney. A rental will be charged for use of tents to keep them in repair, and eventually repay the county entirely for the same. One hundred dollars has already been collected for tents and returned to the treasury, making a total for work and material in this district of $7,682.24.

In the second district the commissioner worked a total of 239 days at an expense of $956. Three inspectors worked 445¾ days, at an expense of $1,114.37, reporting the examination of 3,429 acres of orchards and finding and platting the location of 31,354 trees infested with insect pests. The eradication reports show that 117,433 trees were sprayed or fumigated to destroy pests and clean the fruit. The amount charged to this district for new tents and outfitting is $287.64. The enforced eradication bills amount to $1,069.29. Of this amount $937.54 has been collected and turned into the treasury. These tents are also in charge of the horticultural commission and will be used or rented at such a rental that the county will be repaid for their original cost.

In the third district the horticultural commission worked a total of 217 days at an expense of $868. Nine inspectors worked a total of 127⅞ days at an expense of $318.44, examining 306 acres of orchards and reporting the finding of 154 trees infested with brown scale and platting the location of same. These trees have been treated with kerosene emulsion or tanglefoot to eradicate the scale.



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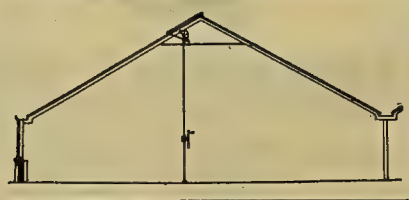

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HUNTINGTON, MASS.—Henry Barton has moved from 67 Elm street to 58 Elm street.

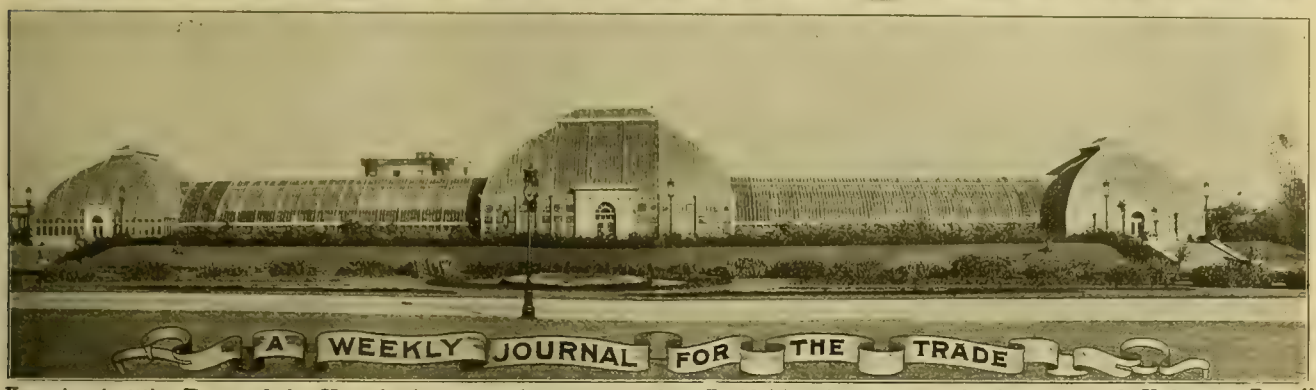
Would Not Be Without It.

AMERICAN FLORIST CO.:—

Please find $2 enclosed for subscription. I like your paper O. K. and would not be without it for twice what it costs. G. A. HOLDER.

Round Peak, N. C., February 5, 1908.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXX. **CHICAGO AND NEW YORK, FEBRUARY 22, 1908.** **No. 1029**

THE AMERICAN FLORIST

TWENTY-THIRD YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—FRANK H. TRAENDLY, New York, Pres.; W. N. RUDD, Morgan Park, Ill., Secy.; H. B. BEATTY, Pittsburg, Pa., Treas. Next meeting at Niagara Falls, N. Y., August, 1908.

THE NATIONAL FLOWER SHOW.

CHICAGO, November 6-15, 1908.

Wm. F. Kasting, Buffalo, N. Y., is chairman of the general committee in charge. Chairmen of sub-committees follow:

EXECUTIVE AND FINANCE—Wm. F. Kasting, Buffalo, N. Y.

AMERICAN EXHIBITS—Ph. Breitmeyer, Detroit.

FOREIGN EXHIBITS—E. G. Hill, Richmond, Ind.

PREMIUM LIST—W. N. Rudd, Morgan Park, Ill.

ADVERTISING AND PUBLICITY—J. H. Burdett, 1411 First Nat'l Bank Bldg., Chicago.

LOCAL MANAGEMENT, PRIVILEGES AND CONCESSIONS—J. C. Vaughan, Chicago.

SPECIAL FEATURES—Otto G. Koenig, 6471 Florisant Ave., St. Louis, Mo.

RECEPTION—Aug. Poehlmann, Morton Grove, Ill.

AUDITING—J. A. Valentine, Denver, Colo.

TREASURER—I. C. Bertermann, Indianapolis, Ind.

The above chairmen have power to select their various committees from the general committee of 50 or the members of the S. A. F. at large.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition at Chicago, March 25-27, 1908. ROBT. SIMPSON, Clifton, N. J., president; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., secretary.

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SUGGESTIONS FOR FLORISTS.

Moschosma Riparium.

As soon as the flowers are over, cut the plants back fairly hard and keep them on the dry side for a few days. They should go into a fairly warm house to produce plenty of cuttings, but when these have been taken and the young stock potted and well established, an ordinary cool greenhouse or rose house temperature will suit them. When the plants have made two inches of growth take the cuttings and insert in the sand with a slight bottom heat. Keep moist until rooted and when potting pinch the top out. This pinching may be repeated three times during the growing season and the result will be fine plants in 6-inch pots that will flower freely at Christmas. Later cuttings may be struck right on through March and April or even later and will make nice little specimens for smaller decorations. Pot firmly to induce a solid and stocky growth which will produce fine fragrant flower spikes.

Solid Growth.

It is useless propagating early unless the plants are going to be looked after when they are struck. A bouvardia, marguerite or any other plant struck early and kept in the moist soil of the propagating house soon begins to draw to the light and gets soft and spindly. Such plants will have to be cut back later, and, instead of saving time, the early propagator loses out in this direction in the end. Never propagate unless the facilities at command are such that the resulting plants can be properly grown in plenty of light and given ample room when they come out of the cases. There is a knack in handling young stock that only comes by experience and can be taught in no other school, but, as a help along this line, budding growers must be careful that the change from the cases to the cooler and drier air of the houses is toned down a little by frequent light spraying and by allowing less ventilation for a few days until the roots get hold of the new soil. There is a time when this has occurred and the plants are just picking up that is the best of all times for pinching young stock. Up to then, the growing point helps the roots; when this is reached the roots are in a condition to insure a free break of young shoots, and this is the time to pinch the tops out. Conditions will, of course, vary with the class of stock grown, but in all cases ample room, air and light, care in watering and perfect freedom from insect pests must be given.

Cold Frames.

The season for the use of cold frames is at hand, and very useful they are for hardening off stock of all kinds. Hardy plants raised from seed or division under glass, bedding stock later and small plants of various kinds all through the summer have to be arranged for, and it is necessary now to get the frames and soil ready for use. Any repairs necessary either to glass or wood should be done and they will be the cleaner and better for a good coat of white lead paint. In glazing see that the rebate that takes the glass is quite dry before placing the putty, and when painting use a thin paint for the first coat that will penetrate well into all crevices where insects or insect eggs may be hidden, killing these and preserving the wood. Put this work in hand at once, for, should mild weather occur in March many plants will be perfectly safe in the frames, and their removal there will make necessary room in the greenhouses.

Chrysanthemums.

It is not too early to start propagating chrysanthemums that have been carefully looked after and kept in a cool airy house. Should there be any stock under benches take it out and give the plants an airy, sunny spot on top of a bench for two weeks before taking off any cuttings. The propagating bench used for carnations answers also for chrysanthemums. There is less trouble rooting them now than in another month when the sun has more power. Stock of novelties may be increased by propagating now. After inserting the cuttings see that they are kept constantly moist. A cutting that once wilts never roots as quickly as one that is kept upright from the first. When everything is clean about them there is little fear of

damping no matter how often the cuttings are watered for the first two weeks, and after that most of them will be callused and safe to root. As soon as they show, by a picking up of the foliage and a stiffer feel of the cutting, that they are rooted give all the air possible to keep them hard, and only sufficient heat to keep them growing gently. Pot or box the plants before they have a chance to get starved on the cutting bench.

THE CARNATION.

Rooted Cuttings and Their Treatment.

The rooted cuttings of the novelties are now being shipped, and a few remarks on the handling and care of the cuttings upon arrival will be in order. First of all, the question comes to us as to what should be considered the proper time the buyer should expect his order of novelties to be delivered. We all know of the vast difference in the product per plant between February and April cuttings with most of the standard varieties. We have also in mind the variety Winsor, the last year's novelty credited with an immense sale, some of the cuttings being delivered very late besides being at the same time small and weak; consequently it was impossible to make a first class plant out of them for early work even under the most favorable conditions causing many unfavorable comments about the variety early in the season. With many growers it is only during the last month or so that Winsor has shown what it is capable of and just at this time it is a beautiful sight, full of blooms and buds just showing color but with all this we are convinced that Winsor is a fine addition to our list of fancy varieties, and that it will be a profitable variety to grow but for it to give the best results the cuttings should be ready to be out of the sand before March 15. It is the just right of every buyer, no matter how small his order, to receive from the seller some hints as to the behavior of every novelty being sent out. And when an order is placed in reasonable time for delivery before March 15 the goods should be delivered by that date or at the option of the buyer the order cancelled or delivered at a reduced price as he may elect.

Then comes the rights of both buyer and seller should the cuttings prove to be not satisfactory on arrival. We deem it only just and fair that a buyer is entitled to receive 100 well rooted cuttings in a healthy state for every 100 ordered, and all that do not come up to this mark should be returned upon receipt of shipment. Cuttings that have to be put into sand again upon arrival are not by any means rooted cuttings and should not be so represented. Also, as there is vast difference in the way the different varieties recover from shipping and take hold of the soil, we believe a little note in each shipment stating the pecularities of the enclosed varieties would be a great help to the buyer, particularly to those who are beginners in the business. We have wandered considerably away from our text about how rooted cuttings should be taken care of upon arrival after being shipped from a distance.

When they arrive they should be unpacked and the bundles in which it is customary to pack them set upright in flats and placed in a cool place previous to potting them, and when ready for potting open up each bundle as the potter is ready for them and not allow any to lay around loose exposed to the air which will quickly shrivel up the roots. When the bundles are unwrapped and all the moss or other packing material is cleaned away from the cuttings hold the roots in water, not too cold, for a few seconds then pot as soon as possible. They should be set in a moderately warm place for a few days and shaded from the sun until root action has taken place. Draughts must be guarded against until the roots are established in the soil. Water well after potting, then allow them to stand for a few days or until the soil shows signs of drying out. The roots by this time will be pretty well established. After this the young plants should be subjected to a cool temperature with plenty of ventilation on every favorable occasion and in a very short time rapid growth will commence and the shoots stretch out. Close attention must then be given them by keeping the tops pinched back to insure a sturdy plant.

C. W. JOHNSON.

Andrew Carnegie.

The illustration herewith shows the free flowering character of Andrew Carnegie, one of the latest candidates for favor sent out by the Chicago Carnation Co., Joliet, Ill. It has already been described in our columns and the characteristics of Rose Pink Enchantress are also now well known. The benches illustrated show the high state of culture to which these varieties and others are brought by this well known firm, now offering its high class novelties in immense quantities to the trade.

Carnations for Market.

ED. AMERICAN FLORIST:—

What would be the average cut from a plant from October 1 to June 1, and what would the price average per bloom of the ordinary market varieties? I intend growing about 7,000. Also what is the proper temperature?

SUBSCRIBER.

There are so many varieties now on the market that it is rather difficult to come at the average amount of bloom per plant, but a good commercial carnation should average from 20 to 25 flowers per plant during the period mentioned, and they should bring $3 per 100 to be profitable. The proper temperature for the general market varieties of carnations should be about 50° to 54° at night; daytime, from 60° to 70°, according to the weather, the higher temperature for bright days with plenty of air.

E.

F. R. Pierson Co., Scarborough, N. Y.

F. R. Pierson, the head of this firm, is well known to the trade in various capacities, but the object of this brief sketch is to give a few plain truths about the magnitude and importance of his work as a grower and disseminator of carnations. Anyone with a knowledge of carnations, going to this range would certainly leave with feelings of admiration for the quality of work being done, the results, and the man who is directing it all.

WINSOR.

Winsor should by this time be very well known to all carnation growers, and those directly or indirectly interested. It has frequently been seen on exhibition and the wholesale and retail stores, notably of New York, have for some time been handling it as a staple. Therefore, when the writer recently made a trip to Scarborough, the home of Winsor, he was prepared to see something good, but the magnificent exhibition there presented was far beyond expectations. Nothing yet said or written can give an adequate idea of what can be seen of it in its Scarborough home.

In constitution it is perfection; the flowers are of a faultless pink shade; it is prolific to as great a degree as we may ever hope to see any carnation, a keeper, a seller and it fills the requirements of the great public that knows what it wants. In addition to the immense cut of blooms that has been sent out from this range since the beginning of the season, there are now 100,000 well rooted cuttings of Winsor ready for shipment. Incidentally it may be stated, that of Winsor and other varieties grown at this range, 100,000 cut-

CHICAGO CARNATION CO., JOLIET, ILL.

House of Andrew Carnegie.

tings have already been shipped. The day of our visit an order for 10,000 rooted plants was being filled for shipment to Europe.

In discussing the merits of Winsor, Mr. Pierson said, in effect, that he has shown his faith by his works. This statement is verified in the fact, that of his range with a capacity of 75,000 plants for winter blooming, about 40,000 are Winsor. If intending to visit New York this winter the pre-historic fossils in the museum of natural history and other strange and curious sights of the metropolis may be missed, but take in Scarborough, the home of Winsor. The time spent, and the out-lay, will be insignificant, compared with the magnitude of the reward.

WHITE ENCHANTRESS.

This splendid scion of a noble family is running a very close race with Winsor at the Pierson range. Mr. Pierson is willing to stand for it as a white, unexcelled by any other variety now in commerce; and in health, fecundity, size of bloom and length of stem as shown in a large area of his range, there is ample justification of the claim. From four beds of the average width and 150 feet long, about 1,200 blooms per day of White Enchantress are being cut. Just at this time, if there is one of its points more notworthy than others, it is the splendid development of stem.

RED CARNATIONS.

Of the red carnations grown at this range, Beacon, Victory and Red Chief are very noteworthy. Growing as they do on beds side by side, there is an excellent opportunity to compare their merits. It is unnecessary to discuss Victory; to quote its dissimenator, "Victory has made good," and this is now accepted as a truism. Beacon is a production worthy of the originator of Enchantress and this should satisfy all doubters as to its merits. The writer had given Red Chief but little previous attention, but as grown at the Pierson range it is a grand flower. Its color is unexcelled by any other scarlet now before the trade. White Perfection, White Lawson, and other varieties are grown with success, but the number of plants of these varieties is small as compared with the leading varieties before mentioned.

PROPAGATION.

F. R. Pierson is a fine illustration of the progressive man who is not ashamed to change his mind if by experiment he can learn new methods. Some time ago he built a new propagating house, a model of its kind. With the great number of cuttings being rooted every bench was soon filled, and, more room being needed, the experiment was tried of propagating in a bed in one of the big 350-foot carnation houses. All the special work done in this connection, was to fill the bed with sand and provide a strip of cheese cloth for covering when there is sunshine. In Mr. Pierson's own words, "these cuttings have had the same heat and ventilation, as the rest of the house, where we grow flowering plants, and I believe 99 per cent of them have rooted; the work has been so satisfactory and successful, that I would never build another propagating house." What we saw fully justified the above statement. Not only were the plants well rooted, but the bloom on the foliage, dear to the heart of every good propagator, was a striking feature.

Much might be written of the various departments of the work carried on. The storage and packing rooms, particularly after a big day's cut, are not the least of the attractions. The concrete floors and walks, give an appearance both of neatness and solidity. The range is heated by three steam boilers of generous capacity; the steam is not run directly through the heating pipes of the benches, but through a large water heater, and by means of a circulating pump, the hot water is made to do the work in a very satisfactory manner. No. 3 "Buckwheat" coal is burned in the furnaces which are equipped with blowers to improve the draft.

CHICAGO CARNATION CO., JOLIET, ILL.
House of Rose Pink Enchantress.

THE RETAIL TRADE

St. Valentine's Day Business in Chicago.

Chicago retailers are, as a whole, well satisfied with their business on St. Valentine's Day. The violet was, of course, the leader and many thousands were sold in bunches and devices, but there were many choice showings of other flowers and plants. Small baskets of exquisite make with a single cyclamen or primula, or filled with sprays of cut flowers were very popular. Heart shaped boxes, large and small, filled or decorated with violets, lily of the valley and sweet peas were also noted while of the ubiquitous red hearts there were still too many to be seen. Art of this class is of the same kind that confectioners use on their cakes and should be pushed as little as possible by those who aim at an artistic or pleasing ideal in their work.

Fleischman did a very large business in the choice stock for which this fine store is noted, and Geo. Weinhober says they have been exceptionally busy right along. Over 15,000 violets were handled here, in sprays and boxes principally. The beautiful and sweetly scented Cattleya Schroderæ was well displayed here and other choice orchids were shown in quantity. There is always something choice and novel here, and besides a full line of the most exquisite china and glass ware there was a superb showing of brass boxes, vases and other receptacles for filling with plants and cut flowers. These are not on the transitory order usually seen, but are handsome and decorative after the plants or flowers are gone. Among the new, quaint and artistic designs are an old Norman water pail, scoops and vases of antique design and a splendid large pedestal vase of hammered brass. This kind of thing is costly and only suited to a high class trade, such as is handled here, but it is very beautiful.

Harry Rowe is a true florist, and has the happy knack of giving a light yet well finished appearance to the simplest arrangements. Besides a very large assortment of all that is best in valentine boxes, he showed an elegant line of birch twig and other baskets. Among them were some very pretty patterns, one with a lichgate roof and circular nest below being very pretty. Others of fine black twigs in all shapes were filled with bright and showy plants, very neatly and attractively displayed. Bulbous and other stock was in elegant shape, including grand carnations and some fine branching bougainvillea.

Hauswirth, Florist, had a remarkably good trade on St. Valentine's Day, and J. E. Hauswirth reports that business right along has been excellent. Visitors at the Auditorium Annex have been good patrons of late and the ordinary passing trade is good. We noticed some excellent Kate Moulton and Mrs. Potter Palmer roses; these are excellent pink varieties that are rapidly becoming popular. Bulb stock was in excellent shape here, some beautiful novelty tulips being especially good.

John Mangel had a very busy time and his store was bright and full of fine stock. Bright red azaleas were well shown, and we noted some remarkably well grown Nephrolepis Amerpohli from Vaughan's greenhouses at Western Springs. These were bright, fresh little specimens, quite characteristic of this elegant variety. Arranged in birch bark and other receptacles they were certainly very attractive. The Alpha Floral Co. handled a very large quantity of flowers on and around St. Valentine's Day. A charming heart shaped arrangement of violets, lily of the valley and white sweet peas was noted here, and the stock of bulbous and other flowering plants was excellent.

Miss Grace Sawyer, at West Madison street, again made a specialty of her Floradora valentines, and they were

more charming this year than ever. Tied with prettily colored ribbons, various sprays of flowers, such as roses, violets or pansies were attached, and beneath them lines suited to the flowers used. Miss Sawyer's valentines were handled by several of the principal down-town florists and she is to be congratulated upon her success with them. Her valentine window, in red, was pretty and effectively carried out, and this energetic little lady has made quite a name for her Pansy Garden Flower Shop on the west side.

H. N. Bruns made a fine show with St. Valentine Day's specialties and various pot plants and flowers, and reported a very busy time. His lily of the valley was, as usual, excellent, evidently the produce of the fine pips, for which this clever grower is noted. The show house alongside the store was bright with fine bulbous stock, cyclamens and other plants, the windows being filled with a fine assortment of the choicest cut flowers. The success of H. R. Hughes' valentine window was quite phenomenal and has made this clever advertiser's store much talked of. His Valentine Day story has been well distributed to thousands of his customers on the west side and the rebuilt and much enlarged store, with magnificent ice box and other special features, has a grand effect, especially at night, when lit with the dozens of colored electric lights.

Shonts-De Chaulnes Wedding Decorations.

For the home wedding of Miss Theodora Shonts to the Duc de Chaulnes, February 15, at the residence of the bride's parents, 123 East Thirty-fifth street, New York, the decorations were executed by M. Bowe, of 1294 Broadway.

Throughout the mansion there was an elaborate decoration, drapings of smilax, garlands, and vases of choice roses, being leading features. Lilies, lily of the valley, and other flowers were also used in profusion. The bridal room was rich in banks and garlands of American Beauty roses, there being an elaborate draping in shower effect of Asparagus plumosus nanus and adiantum. The bridal canopy was decorated with American Beauty and Bride roses and lily of the valley arranged in garlands and festoons. The halls, library and dining room of the Shonts mansion were all decorated on the same lavish scale as that which has already been described. The whole scheme was carried out with the attention to detail for which Mr. Bowe is noted, and the successful execution establishes his place in the ranks of the leading decorators of the metropolis.

Notes for the Retailers.

TABLE DECORATIONS.

A decorator attached to one of the leading New York hotels stated recently, that Killarney roses were very fashionable this season for dinner decorations. The manager of a retail store which caters to the exclusive set, when questioned as to table decorations, said that they were using about everything, including many tulips and jonquils. It appears that the forcing of so many flowering shrubs is cutting into the regular cut flower trade. I noted recently a dinner decoration in which a great bunch of forthsyia in a large vase was used as a center piece. Before the dawn of the forcing era, it would have been roses, carnations or other cut flowers. On the public tables of the leading hotels, there are usually vases of flowers, carnations being much used, but there is no attempt at elaboration. It is the private dinners and supper parties that call for style.

CORSAGE BOUQUETS.

Gardenias are now being extensively used in corsage bouquets, both by themselves and in combinations with violets and cattleyas. It is now considered smart to have at least one cattleya in a corsage bunch of violets.

COMBINATIONS.

Nothing can be found that makes up a prettier combination basket than bunches of lilac among Adiantum Farleyense. Erica melanthera, freesias and pink tulips are also admirable in combination with this fern.

FORCED SHRUBS.

Nearly everything that will force seems to be on the market this winter, from pussy-willows to good sized plants of magnolia; there is a great, if not an over abundance of spring flowering shrubs and plants. This includes the forsythias, Japanese quince and deutzias, which are all used effectively in window decorations.

Banks of Cibotium Schiedei and Ficus pandurata, with a border of azaleas, spireas or large primroses, make a very acceptable decoration, for variety in a large show window. Both the purple and white wistarias in large pots and in good bloom are now seen in the New York retail stores.

DAYTON FLORISTS' CLUB DESIGN FOR FUNERAL OF J. B. HEISS.

Illinois State Florists' Association.

THIRD ANNUAL MEETING, SPRINGFIELD.

Visitors to the third annual convention of the Illinois State Florists' Association at Springfield were given a tempestous welcome in a driving blizzard of fine soft snow which soon stalled most of the local and interurban lines about the city. Trade visitors, except a good delegation from St. Louis, which arrived a couple of hours late, fortunately came on by through trains and on time.

Delegates were, however, most conveniently located as to hotel and hall, the one simply across the street from the other. Ten o'clock found most trade exhibits and banners in place and by 1:00 o'clock the cut flowers had been staged in the handsomely laurel decorated hall.

President Hey appointed as judges of the exhibition Fred Rowe, of Bloomington, Frank A. Friedley, of Springfield, and A. F. Longren, of Chicago, and as committee on president's address, J. C. Vaughan, W. N. Rudd and J. F. Ammann.

OPENING SESSION, TUESDAY AFTERNOON.

President A. C. Brown of the Springfield Florists' Club called the meeting to order at 3 o'clock, assuring the members that the warm greetings in the hearts of the Springfield craft for their guests existed in direct contrast with the rough treatment accorded them by Old Boreas.

Speaking for the mayor, who was ill, Mr. Murray of the city administration made a short address of welcome, to which Phil. J. Foley, of Chicago, replied, explaining with his own pleasing logic the cause of the storm and in a soberer vein some of his experiences in laying the foundation, two years ago, for the favorable legislation recently secured by the association.

President A. T. Hey then took the chair and read his annual address, which was very favorably received and conceded to be a model president's address.

Following the reports of Secretary A. C. Beal and treasurer Geo. A. Kuhl, E. G. Hill made an informal talk, covering his visits to the rose growers of Lyons and M. Bruant of Poitiers. Mr. Hill spoke in high terms of the patient, conscientious and painstaking labors of the French rosarians at Lyons. He gave credit to M. Pernet for a most favorable mixing of the blood strains of the hybrid perpetual and the tea in rose growing from which several good roses had already been secured and more may be expected.

J. C. Vaughan for the committee on president's address recommended action by the association in the following particulars:

That a committee of three be appointed to aid in state fair work.

That a resolution be adopted asking that the University of Illinois keep in mind the need of the florists of the state for a practical course in floriculture at the university.

That the city beautiful suggestions of the president be commended.

That certificates of merit to be issued by the association and rules covering same be submitted to the executive committee for its approval that same may be put into effect at the next annual convention.

That the following resolution regarding statistics be adopted:

Whereas, Accurate census records of floriculture in all its branches are most important to its development in both city clubs and state work, be it

Resolved, That our national society, the S. A. F., be and hereby is requested by the Illinois State Florists' Association in convention assembled at Springfield, Ill., to urgently memorialize the census bureau of the United States to take some active measures to devise a practical plan for a correct census of our business in all its details.

The next paper was that of Secretary Rudd of the advisory committee for the experimental work.

Secretary Beal then read the address of Dean Davenport.

THE BANQUET.

A most agreeable feature in the face of storm conditions was the gathering at the St. Nicholas hotel at 9 o'clock Tuesday evening, and the Springfield Florists' Club in its arrangements made for the 150 guests present certainly carried out this phase of the entertainment with a completeness in menu, toasts, music and song which would do credit to any city in the country.

Hon. Chas. E. Hay, for many terms mayor of Springfield, and always foremost in horticultural efforts in that city, acted as toastmaster.

Albert T. Hey, Re-elected President.

TOASTS AND RESPONSES.

"Future of Our State Association," by J. Fred Ammann, Edwardsville.

"I Loved not Man the Less, but Nature More," C. E. Gullett, Lincoln.

"The National Flower Show," J. C. Vaughan, Chicago.

"Springfield as a Convention City," Nicholas Roberts, Springfield.

"The Hoosier Florist," E. G. Hill, Indiana.

"The 'Ruddy' Side of Life," W. N. Rudd, Mt. Greenwood.

"City Beautiful," Stuart Brown, Springfield.

"He Who Loves a Garden Loves a Greenhouse Too," Phil. J. Foley, Chicago.

Wednesday's Business.

(By Wire.)

A subscription of $50 was appropriated for a National Flower Show trophy to be offered in the name of the association.

Prof. J. C. Blair, of the university, made a general talk covering the lines which have been so far undertaken by the university and carried forward in the interest of the Illinois florists.

E. G. Hill, of Richmond, Ind., was made an honorary member.

Election of officers resulted as follows: Albert T. Hey, president; Geo. Asmus, vice-president; J. F. Ammann, secretary; Frank L. Washburn, treasurer.

Final resolutions were adopted expressing the obligations of the association to the Springfield Florists' Club for the careful manner in which every detail of the convention arrangements had been covered.

Treasurer's Report.

RECEIPTS.

H. C. Hasselbring	$154.81
A. C. Beal	12.00
Total	$166.81

DISBURSEMENTS.

Live Stock Journal	$ 8.75
Phillip Bros.	27.50
Chicago Carnation Co.	56.00
J. F. Amman	15.00
A. C. Beal	8.32
Albert T. Hey	8.00
Ernst Wienhober Co.	10.00
Phillip Bros.	5.14
Whitehead & Hoag Co.	19.20
Cash in bank February 11, 1908	8.90
Total	$166.81

Pekin. GEO. A. KUHL, Treasurer.

Convention Notes.

The Ionia (Mich.) Pottery showed a new grass growing head evidently of a new hybrid type of Michigan politician.

The attendance compared favorably with that of the recent national carnation convention at Washington.

The song "Illinois" sung by the Apollo Quartette seemed to make the hit of the evening.

Chicago's democratic candidate for mayor, J. Hamilton Lewis, made a characteristically flowery speech to the banqueters, his honeyed phrases flowing softly as the current of Springfield's famous river the Sangamon.

Nels Cole of Peoria was not present.

The exhibition hall with its liberal display of "Allied Arts and Crafts" indicated effective work by the officers and was flattering to every Illinois florist.

J. F. Amman in his table talk well said that the Association would be what those present would make it. The start was well made, the child had become a youth and needed the careful guidance of its parents. It was a promising child and worthy our solicitude.

It was much more of an occasion of visiting—a making of new and renewing old acquaintances, than a record breaker in actual business done.

Quincy, Decatur, Jacksonville, Alton and Rockford were perhaps snowed in.

The bouquet programme like President Hey's address was broad, and covered well those sides of floriculture now in the eye of the trade and the public.

Chicago as well as St. Louis sent good delegations with perhaps a preponderance of commercial men.

Springfield is entitled to the next convention if she wants it.

A called meeting of the Florists' Advisory Committee failed to connect in the absence of Prof. J. C. Blair, probably storm-bound.

Peter Reinberg's cut flower exhibit missed fire, going to Springfield, O., greatly to the disappointment of Leonard Kill.

I. L. Pillsbury's new carnation staple device is highly spoken of.

E. H. Hunt's representative, "Billy" Lynch, had an effective call of B-a-a! B-a-a! in exploiting the Wizard brand of sheep manure.

The Annanias Club attempted a midwinter session in Rudd's room, but the same miscarried for lack of quorum; Phil Foley and G. Asmus were lonesome.

J. F. Ammann's display of roses and carnations was for foliage, stem, color and size a remarkable exhibit and attracted the attention of everyone.

Exhibitors.

The following firms were represented by either exhibits or banners:

Advance Co., Richmond, Ind.—Ventilators and other supplies.

J. F. Ammann, Edwardsville.—Bulbs, Asparagus plumosus and A. Sprengeri.

Chas. Afelt, Comfort, Tex.—Armadillo baskets.

George H. Angermueller, St. Louis, Mo.

Chicago Carnation Co., Joliet, Ill.

Crowl Fern Co., Millington, Mass.—This firm furnished the laurel wreathing for decorating the hall. It was fine stock and made a very fine display.

Detroit Flower Pot Manufactory, Detroit, Mich.—Display of pots in standard sizes.

A. Dietsch & Co., Chicago.—Greenhouse materials.

Eagle Machine Works, Richmond, Ind.—Carnation supports.

Geo. M. Garland, Des Plaines.—Ice clearing gutter.

Wm. Hagemann & Co., New York.

E. H. Hunt, Chicago.—To-Bak-Ine products, Simplex spray pumps, rubber hose and florists' supplies.

Ionia Pottery Co., Ionia, Mich.—Display of standard pots, bulb pans, azalea pots, hanging baskets and lawn vases. A creditable display.

Geo. A. Kuhl, Pekin.—Fine display of ferns.

Jensen & Dekema, Chicago.

Kroeschell Bros. Co., Chicago.

C. A. Kuehn, St. Louis, Mo.

A. F. Longren, Des Plaines, Ill.

McCray Refrigerator Co., Chicago and Kendallville, Ind.—White enamel florists' refrigerator.

Morehead Manufacturing Co., Detroit, Mich.—Morehead improved steam trap.

Maxfield & Dimond, Warren, R. I.—Artificial calyx.

McHutchison & Co., New York.

Chas. F. Mayer & Co., New York.

John C. Moninger Co., Chicago.

I. L. Pilsbury, Galesburg.—Split carnation mender.

Peters & Reed Pottery.

W. N. Rudd, Morgan Park, Ill.

Vaughan & Sperry, Chicago.

Vaughan's Seed Store, Chicago.—Display of bulbs.

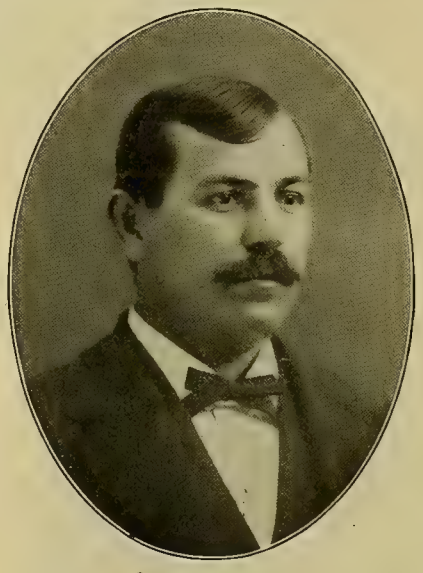
R. M. Ward & Co., New York.

Christ Winterich, Defiance, O.

R. Witterstaetter, Cincinnati, O.

Visitors.

W. H. Adams, Normal.
A. E. Aggerholm, Onarga.
J. F. Ammann, Edwardsville.
Geo. H. Angermueller, St. Louis, Mo.
Geo. Asmus, Chicago.
Harry Balsley, Detroit Flower Pot Manufactory, Detroit, Mich.
A. C. Beal, Champaign.
H. G. Berning, St. Louis, Mo.
Ed. Blixen, Edwardsville.
J. H. Blixen, Edwardsville.
Wm. Breitmeyer, J. B. Breitmeyer's Sons, Detroit, Mich.
Geo. M. Brinkerhoff, Springfield.
A. C. Brown, Springfield.
Geo. Callahan, Bloomington.
A. C. Canfield, Springfield.
Jos. Cole and wife, with J. C. Murray, Peoria.
John J. Davis, Illinois University.
Edwin Denker, St. Charles, Mo.
A. Dietsch, A. Dietsch Co., Chicago.
Geo. Dysinger, Ionia Pottery Co., Ionia, Mich.
T. E. Erickson, Chicago.
John A. Evans, Quaker City Machine Works, Richmond, Ind.
Adolph Fehr, Belleville.
The Florists Exchange.
Phil. J. Foley, Foley Mfg. Co., Chicago.
Geo. B. Franks, Champaign.
Frank A. Friedley, Belle Miller, Springfield.
Geo. M. Garland, Des Plaines.
Arthur Groves, Bloomington.
C. E. Gullett, Lincoln.
Wilbur T. Gullett, Lincoln.
E. W. Guy, Belleville.
Dr. A. S. Halstead, Belleville.
A. T. Hey, Springfield.
E. G. Hill, Richmond, Ind.
Geo. W. Jack, Springfield.
Henry Johann, Collinsville.
F. M. Johnson, A. L. Randall Co., Chicago.
Harry Johnson, Bloomington.
B. Juerjens, Peoria.
H. E. Kidder, Ionia Pottery Co., Ionia, Mich.
Leonard Kill, Peter Reinberg, Chicago.
C. Klopfer, Peoria.
A. R. Knowles, Bloomington.
David Knowles, Bloomington.
W. L. Kroeschell, Kroeschell Bros. Co., Chicago.
C. A. Kuehn, St. Louis, Mo.
Geo. A. Kuhl and wife, Pekin.
A. F. Longren, Des Plaines.
C. Loveridge, Peoria.
W. E. Lynch, E. H. Hunt, Chicago.
R. A. McPherson, Litchfield.



Secretary-Elect J. F. Ammann.

Belle Miller, Springfield.
H. J. Morehead, Morehead Mnfg. Co., Detroit, Mich.
Peter Olsen, Chicago Carnation Co., Joliet, Ill.
W. J. Pilcher, Kirkwood, Mo.
I. L. Pillsbury, Galesburg.
H. R. Poeher, Advance Co., Richmond, Ind.
Adolph H. Poehlmann, Morton Grove.
A. T. Pyfer, Chicago Carnation Co., Joliet, Ill.
Carl Rauth, Springfield.
Fred Rowe, Bloomington.
W. N. Rudd, Chicago.
N. J. Rupp, J. C. Moninger Co., Chicago.
Wm. Skinner, Springfield.
Wm. C. Smith, St. Louis, Mo.
W. L. Trenner, Peters & Reed, Zanesville, O.
F. W. Ude, Jr., St. Louis.
Geo. Van Horn, Springfield.
J. C. Vaughan, Chicago.
Frank Venneman, Kirkwood, Mo.
F. L. Washburn, Bloomington.
J. S. Wilson, Vaughan's Greenhouses, Western Springs.
B. S. Woodyard, Sharp, Partridge & Co.

Address of President Hey.

Before giving my address I want to thank you for the honor you have conferred upon me. One year ago I was not able to meet with you at that time, only in spirit, but I appreciate the honor, and have tried to fill the position to the best of my ability. It seems but yesterday since we organized the society for the promotion of the best interests of our profession, but this is our third annual convention, and, as president of this association, it is my pleasing duty to address you on certain topics which I deem best to bring before you for your earnest consideration.

A brief resume of the work accomplished during the official year will probably be of interest to you. At our last convention, held in Bloomington, a report on the progress of our experiment station bill was made to you by J. F. Amman, who was then our president. After a great deal of work, the bill appropriating $15,000 passed the house and senate May 10. The governor signed the bill June 2, and it became a law to take effect July 1, 1907.

THE CHARTER AND BY-LAWS.

On carefully examining the charter of our association and the constitution and by-laws of the same, I found that it did not agree with the charter, and it became necessary to take steps to amend our constitution to comply with the same, so, pursuant to authority as president I called the executive committee together at the Leland hotel in this city on June 8, to discuss the proposed changes in our constitution. The proposed changes were published in the trade papers, so as to give six weeks' notice, according to the constitution. At this meeting I also appointed the advisory board, as provided for in the bill, consisting of the following named gentlemen: W. N. Rudd, J. F. Amman, J. C. Vaughan, C. D. Gallentine and F. Heinl. At a special meeting of this association (as per call through the trade papers) in this city August 10, the proposed changes were adopted as per constitution and by-laws now in your hands. It was also voted that the headquarters of this association should be changed from Joliet to Springfield, so as to have a representative of the association near the state capitol. Proper records of the changes were filed in the secretary of state's office and also in the court of Will county, Joliet.

It was also voted to have the constitution ratified at this annual convention, and this will come up for your consideration in due time. The first meeting of the advisory board was held in Champaign June 25 and organized with W. N. Rudd as secretary, who will give you a full and detailed report for your consideration. One of the main objects for which the association came into existence is now an accomplished fact, that of making at our state experiment station a beginning on lines of practical benefit to the florists and others who grow crops under glass. Our station is yet in its infancy and the work is very much impeded in not having the houses built to carry on the work. Plans and specifications have been made and are now ready. The plant will be in full operation in a few months and before we meet again we expect to have some good report for you through the trade papers. Some little work in the line of experiments has been done; part of the greenhouses of Washburn Bros., of Bloomington, have been rented for this winter, and report of what has been done will be given you by Prof. A. C. Beal, who has charge of the work. Apart from our experiment station, I believe this association should have in mind and take an active interest in the teaching of floriculture and garden topics in our public school system. Our agricultural friends are taking an active movement along these lines, and why not us? The time is not far distant for us in Illinois when we will see a practical course for florists established at our university. The coming florist should have a practical training combined with a knowledge of those sciences relative to our business. The agricultural department of the university is doing a great work on these lines, especially in the study of soils and fertilizers, and the florist who wants to rank high in his profession must attain a knowledge of those sciences, which can be used to a practical effect in our line of work, and it is for this association to see that a way is made possible for him to do it. I believe this association stands ready and willing to do its part in securing the necessary appropriation to carry out any defined plan for a practical commercial course of floriculture at our university.

As in all other trades and professions, we are today flooded by a great variety of chemical fertilizers, insecticides, etc., that are thrown on the market with all their excellent recom-

mendations for the innocent good natured florist to experiment with; very few of our trade know much of their adaptability to their different soils, etc., until they have found out, by sometimes costly experience. I want to see this put on the same basis as our pure food law and that any fertilizer and insecticide sold to the trade in Illinois should have the stamp of our experiment station analysis upon it. This is work for our experiment station.

The statistics of the florist business, as given by the government census, are very incomplete and inaccurate and cannot be relied upon. I believe this association should take some active measure by appointing a committee or adopting resolutions to bring this before the national society at its next annual convention, and see if this matter cannot be taken up with the census bureau to have some practical plan devised for a correct census of our business in all its details. We especially need this in Illinois, as we will have to come before the legislature at its next session for a larger appropriation than we have before, in order to carry on our work.

The National Flower Show, to be held in Chicago, November next, should meet with our hearty co-operation. I have authorized our W. N. Rudd to state that this association will sign as one of the sponsors to this great show, and ask your approval of the same. This will be the greatest flower show ever held on this continent, and our association should show its appreciation of the fact that it is held in this state. I would earnestly recommend that some trophy or prizes be offered in the name of the association, and that a committee be appointed to take up this important matter and report before this convention comes to a close.

CERTIFICATES AND AWARDS OF MERIT.

The exhibition given in connection with our annual convention is a very important feature of the association work and should be encouraged. I am of the opinion that the time is at hand when the association should recognize the exhibitor and his exhibits by issuing certificates of merit, on the same plan as our national and other societies. This course of action would naturally tend to bring out a better exhibit and act as a stimulus to the craft in bringing out the best they have. I would therefore recommend that this matter be referred to a committee to devise a plan of awards of merit and report back to this convention.

The Illinois state fair is known as the greatest and best agricultural fair in the United States. Through the efforts of this association the floricultural department has been greatly improved. The premium list has been revised and now equals any of the premium lists of our great flower shows. We were also able to gain recognition in having a practical florist appointed, J. F. Amman, of Edwardsville, assistant superintendent of that department—something which has never been accomplished before.

The importance of this flower and plant show at the state fair is, I am sorry to say, greatly overlooked, and the lack of interest shown by the trade in general is sadly to be deprecated. Those of you who have not given this any thought, should bear in mind that it is the ideal place to bring before the masses the importance of our business. You take the flower shows of our large cities—there is practically only a certain class of visitors, who are always lovers of flowers, but here at the state fair, the multitude of people who come from the country, who rarely see a greenhouse, get their first ideas about flowers. Also the people who come from every city and town in Illinois and other states who never think of visiting a flower show, pass through this section of the fair, become interested, and from this comes a desire to have plants and flowers, which sentiment may have laid dormant if they had not visited the state fair.

At the last state fair over 250,000 visitors passed through the gates; fully two-thirds visited the horticulture and floral display. The amount of premiums offered last year was $2,336, of which only $1,718 was taken up; $618 went back to the treasury. Nearly all of this last named sum not taken up was in the professional growers cut flower department. I think when the trade thoroughly awakens to a sense of its responsibility, this will all be remedied. The dome building is not a suitable nor adequate place for the proper display of the exhibits, and some effort was made last year to get a building adapted for floriculture.

I believe if this association will take hold of the matter it can be done. Also our premium list needs to be revised in some few items. This should be attended to at once. The superintendent of this department will appreciate any effort that this association will make towards making this department a success. I would therefore recommend that a committee be appointed on floriculture at the state fair.

CITY BEAUTIFUL.

The florists in the different cities have been very slow to take advantage of the idea of what may be termed "City Beautiful" and the possibilities that may arise and give such an impetus to our business. Last year the Springfield Woman's Club took up the idea and distributed several thousand packages of seeds to the school children at a nominal cost, with literature, giving them instructions how to plant and make their yards and gardens beautiful. In September arrangements were made for a flower show. This got so big an undertaking, that it was turned over to the Business Men's Association, who appointed a committee (of which your president was a member), to take charge of it, with the assistance of the Springfield Florist Club. Prizes were awarded for the best garden in each ward, and in September the flower show was held in which there were about 1,000 entries in the different varieties of plants and flowers by the school children. Several thousand people attended the exhibition, and in the evening over 3,000 people listened to an illustrated lecture by the National Cash Register Co. Prizes were awarded to the successful ones in the form of shrubs, vines and bulbs. This committee, in connection with the Woman's Club and the Business Men's Association, took up the matter of a general clean-up in the city with the mayor and superintendent of streets. Weeds were cut, alleys cleaned—everybody was full of enthusiasm. All the school children who took part in the city beautiful were presented with a button to wear, with the significant motto, "I have helped." This is an idea that our association and every florist club in this land should foster. It can be done in every village and city in Illinois. Not only does it attain to better moral and civic improvement, but it has an uplifting tendency to a better condition,—better manhood and better citizenship. Flowers and vice will not grow together and eventually the good will triumph. Now take this idea home with you, florists, and bring the matter up before your florist clubs. If you have not got one, get together, join forces with your woman's club, and if you don't get one penny in return, you will have the satisfaction of having performed your duty as a citizen and florist. Civic improvement is the cry of the age, and it is for the florist to show himself—come out of his shell—take an active part and be a leader in the new order, "The City Beautiful."

COUNCIL OF HORTICULTURE.

I wish to call your attention to the good work done by the Council of Horticulture in promulgating a correct knowledge of floricultural subjects through the press for the information of the public. This idea cannot be too highly commended, and should meet with the hearty approval of this association.

I have only had one death in our association reported to me and it is with sadness and sorrow that I announce to you the loss of one who was a faithful worker in our cause, ever ready and ever willing to give of the best he had, and in the annals of floriculture in Illinois his name will ever be linked with those who have stood for the highest ideals in our chosen profession. Phil. J. Hauswirth—Passed on December 4, 1907. I deemed it my duty as the president, to represent this association at the funeral, and also ordered a floral tribute to be sent to the family in the name of the association. The committee on obituary will in due time offer to you a tribute to his memory.

In making these suggestions and recommendations for your consideration, I do it for the best interests of our association. You may not all agree with me, but this is my viewpoint. You may have yours. In the deliberations of this convention, I hope everyone will express his views on the different subjects which may come up for discussion. It is through exchange of ideas we get information that is most useful to all of us. I wish most sincerely to thank those who have been always ready with willing hands and loving hearts to render any assistance I may have needed in promoting the best interests of our association, to the Business Men's Association of this city for the interest taken in this convention and to the Ad Men's Club for their kind offer to assist in entertaining, and also to the local florist club for their great interest taken in helping to make this convention a success, I tender my sincere thanks. Thanking you for the honor conferred upon me, believe me to be ever yours for the best interests of the Illinois State Florists' Association.

SPRINGFIELD, O.—P. P. Mast & Co., long prominent in the agricultural implement trade, are reported in the hands of a receiver.

PITTSFIELD, MASS.—Max R. Engleman, junior partner in the firm of R. Engleman & Son, has brought a bill in equity against his father through his attorneys, Green & Bennett of Springfield, asking that the partnership be dissolved and that a receiver be appointed.

ST. PAUL, MINN.—The following are the officers of the Twin City Florists' and Gardeners' Club: Theo. Wirth, 3800 Bryant avenue, Minneapolis, president; O. J. Olson, 20 W. Fifth street, St. Paul, vice-president; R. A. Latham, 83 South Tenth street, Minneapolis, treasurer; S. D. Dysinger, 20 West Fifth street, St. Paul, secretary. The club meets the third Tuesday of each month alternately in St. Paul and Minneapolis.

INDEPENDENCE, KANS.—G. A. Kishpaugh, of Iola, has purchased the Finley Brown and W. R. Mattock greenhouses and is consolidating them as one plant on West Main street, under the supervision of C. W. Lemmon, an expert scientific gardener and florist. Mr. Lemmon met with a painful accident at the greenhouse. He thought the gas had all been turned off under the boiler, but it had not, or there was a leak, and when he struck a match a fierce blaze struck him in the face. His head was badly scorched and his hands were burned.

OBITUARY.

Charles H. Foreman.

Charles H. Foreman, of North Ninth street, Louisiana, Mo., was killed by a falling chimney when his greenhouses caught fire, February 8.

R. P. Speer.

Capt. R. P. Speer, one of the best known horticulturists in Iowa, died at his home in Waterloo township, aged 80 years. He was president for four years of the Iowa Horticultural Society, and director for three years of the Iowa Agricultural Experiment Station.

THE AMERICAN FLORIST

TWENTY-THIRD YEAR.

Subscription, United States and Mexico, $1.00 a year: Canada, $2.00; Europe and Countries in Postal Union, $2.50. Subscriptions accepted only from those in the trade.

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No Special Position Guaranteed.

Discounts are allowed **only on consecutive insertions,** as follows—6 times, 5 per cent: 13 times, 10 per cent· 26 times, 20 per cent; 52 times, 30 per cent.

Space on front pages and back cover page sold only on yearly contract at $1.00 per inch, net.

The AMERICAN FLORIST Advertising Department is for florists, seedsmen and nurserymen and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Monday to secure insertion in the issue of the same week.

When sending us change of address always send the old address at the same time.

We do not assume any responsibility for the opinions of correspondents.

Photographs.

We are always pleased to receive good pictures of trade subjects. Send them prepaid by mail or express carefully packed to prevent injury in transit. Pack them flat, not rolled, with name and address of sender on the back of each picture.

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324 Dearborn St., Chicago.

Eastern Representatives:

A. F. FAULKNER, 1133 Broadway, New York.

ROBERT KIFT, 1725 Chestnut St., Phila.

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HARDY plants are sought for with ever increasing interest; read the article by H. G., page 198.

THE CONVENTION papers by Secretary Rudd and Dean Davenport will appear in our next issue.

A NEW single violet will soon be on the market, with the color of California and size of Princess.

ROSE IVORY is a great favorite of southern growers because of its prolific, keeping and shipping qualities.

CONCRETE GREENHOUSE CONSTRUCTION was covered in No. 923 of the AMERICAN FLORIST, price 10 cents, postpaid.

IN New Orleans, La., where the ground is usually in a saturated condition, raised benches have proved exceedingly serviceable in growing many lines of greenhouse stock outdoors.

CALLAS are extensively grown in the south, but the roots are usually lost after the first season, succumbing to dry rot. Northern growers could, perhaps, save these southern roots.

ADDITIONAL prizes have been announced for the Chicago exhibition of the American Rose Society in March, and everything points to a record breaking exhibition at the Art Institute.

A NEW JERSEY corporation has been formed with $180,000 capital stock "to manufacture and sell nitrogen gathering organisms or bacteria for use in inoculating plants, seed or soil." The Earp-Thomas Farmogerm Co. is the title of the concern.

AZALEA HEXE, now so popular, is by no means new. It was raised by Otto Forster, of Lehenhof, Germany, about 30 years ago. It was obtained by crossing Azalea amœna with a variety of A. Indica, Duc de Nassau, and retains the characteristics of A. amœna.

HON. FRANK D. CURRIER introduced a measure entitled "A Bill For the Creation of a National Highways Commission and for the Construction, Improvement and Maintenance of Public Highways," January 30, and this was referred to the committee on agriculture and printed.

IT IS a bad idea to condemn every new plant production. It is true that among the new vegetables produced each season, many are worthless. Remember that the varieties which have become your hobby were, at one time, absolutely new. Give the new varieties a chance—Market Growers' Journal.

RIVERSIDE, CALIF.—H. Suzuki, a director in the Imperial Yokohama Nursery Co. of Japan, answering a newspaper man in Los Angeles one evening, charged the bell boy with this reply: "Tell the honorable journalist that his servant is very fatigued and is now retired. Pleasure me by calling tomorrow morning."

WE have received the rules and premium list for the second spring exhibition of the St. Louis Horticultural Society, to be held March 10-12 at the Grand avenue Masonic Temple. The competition is open to all and there is a list of 26 classes, with premiums ranging from $15 down. In addition to the cash prizes, there are three ribbon awards, blue, red and yellow. Otto G. Koenig, 6473 Florissant avenue, is the secretary.

VISITORS at F. Dorner & Sons' establishment at La Fayette, Ind., are much pleased with the appearance of Winona carnation there.

BENJAMIN HAMMOND, secretary of the American Rose Society, is out with a prospectus for a new periodical called the Rose Journal, to be published in the interest of the American Rose Society. As we understand it, Secretary Hammond will proceed with the publication of this quarterly if he can secure 50 rose growers in America to join hands on the proposition.

American Rose Society.

COMING SHOW IN CHICAGO.

In addition to what have already been published, the following prizes have been sent in for the exhibition in March.

Kroeschell Bros. Co., Chicago—$10 in gold for the best vase of Killarney rose, 50 blooms or less; $10 in gold for largest exhibit of hybrid perpetual roses in pots.

Vaughan's Seed Store—Cup, value $25; will announce later what for.

Weiland & Olinger, New Castle, Ind.—$10 for 50 Mme. Chatenay rose.

H. N. Bruns, Chicago—$10; premium left to society.

Poehlmann Bros. Co., Morton Grove, Ill.—$100 cash; for best 100 pink roses, $50 and best 50 red roses $50. (American Beauty and Richmond excluded.)

Frederick C. Newbold, ex-president of the American Rose Society—Cash prize of $10 for the best display of white roses.

Emil Buettner, Park Ridge, Ill.—Cash prize $25.

We have this from the Chicago Florists' Club: "Be assured that you will find the Chicago boys on hand in good style for the rose show, but we want you to make an effort earnestly and vigorously to get pledges of attendance and exhibits from every leading grower east of the Allegheny mountains. Chicago will take care of the rest." Now, men of the east, do you hear the call? What shall the answer be? We are coming to Chicago with our "Jardines" and our "Smiths," "Wyndmoor and Beatrice" and hosts more besides, "Simpson and his Richmonds, "Burton and his Beauties," "Elliot and his Killarneys," "Farenwald with his Liberty." New Jersey sends the answer, "Dinna ye hear the slogan; the Campbells are all a coming."

All intending exhibitors are requested to send word to the secretary. "The Rose Journal" is receiving support as a proposition to interest the membership.

BENJAMIN HAMMOND, Sec'y.
Fishkill-on-Hudson, N. Y.

American Rose Society Rules.

ED. AMERICAN FLORIST:—

What are the rules of the American Rose Society regarding stems of roses for exhibition? Must the flowers be single on the stems or may two or more be allowed?

C. W. W.

The rule on this point reads: "All cut roses in the competitive classes must be from a single growth of the current season."

Essential to the Trade.

AMERICAN FLORIST CO.:

I appreciate your paper and realize it is essential to the trade and an excellent aid and help to the working florists who are keeping up with the times in their work. WM. THOS. STILLWELL.

Ogden, Utah, February 14, 1908.

Meetings Next Week.

Baltimore, Md., February 24, 8 p. m.—Gardeners' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.

Boston, Mass., February 29, 11 a. m.—Massachusetts Horticultural Society, Horticultural Hall, lecture on "The Private Gardener," by Robert Craig, Philadelphia, Pa.

Cleveland, O., February 24, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit street.

Denver, Colo., February 28, 8 p. m.—Denver Floral Club, 323 Charles block.

Hartford, Conn., February 28, 8 p. m.—The Connecticut Horticultural Society.

Lake Forest, Ill., February 26, 8 p. m.—The Horticultural Society of Lake Forest, Council Chamber, City hall.

New London, Conn., February 26.—New London County Horticultural Society, Elks' hall.

New York, February 27-28.—National Association of Gardeners, American Institute hall, 21 W. Forty-fourth street.

Catalogues Received.

Holmes Seed Co., Harrisburg, Pa., 1908 Handbook of Seeds; The H. G. Madson Seed Co., Manitowoc, Wis., seeds; Home Nursery, La Fayette, Ill., nursery stock; V. Lemoine et Fils, Nancy, France, plant novelties; Ditlev Eltzholtz & Co., Ringe, Denmark, seeds; F. W. Dixon, Holton, Kans., small fruit plants; H. Kohankie & Son, Painesville, O., nursery stock; Ottolander & Hooftman, Boskoop, Holland, plants and shrubs; Walter P. Stokes, Philadelphia, Pa., seeds; Arthur Cowee, Berlin, N. Y., gladioli; Wilhelm Muhle, Temesvar, Germany, seeds, plants and nursery stock; Nonne & Hoepker, Ahrensburg, Germany, seeds, bulbs and plants; Peter Henderson & Co., New York, implements; Binghamton Seed Co., Binghamton, N. Y., seeds; Jackson & Perkins, roses, nursery stock, etc.

ASPARAGUS DECUMBENS.—This plant produces desirable strings (clusters of stems) of green foliage for decorative work. Usually these strings are allowed to droop from benches, boxes or suspended baskets, but Andrew Benson, of Bassett & Washburn's, Chicago, says the plants make better growth if grown in ordinary benches and the stems permitted to run on strings slanted at an angle of about 45°.

Greenhouse Building.

Paducah, Ky.—Schmaus Bros., one greenhouse, 40x125 feet.

Jacksonville, Fla.—Sawyer & Payne, several greenhouses.

Wyomissing, Pa.—Frank Shearer, one greenhouse.

Allegheny, Pa.—H. L. Blind & Co., one greenhouse.

Beatrice, Neb.—Dole Floral Co., additions to greenhouse plant.

Memphis, Tenn.—Memphis Floral Co., six carnation houses, 18x100 feet.

New Orleans, La.—Abele Bros., one asparagus house, 20x100 feet.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with Adv.

Plant Advs. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1908 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—Grass seed man, 45 years of age, 25 years' experience in Germany.
Key 437, care American Florist.

Situation Wanted—By first-class grower of all kinds of cut flowers and plants; good propagator to take charge of section; 20 years' experience.
Key 438, care American Florist.

Situation Wanted—Good grower of roses, carnations 'mums and bedding plants, also good designer, single, strictly sober and honest, wants position on retail place; references. Address
Key 429, care American Florist.

Situation Wanted—Young man wants position in New York or Philadelphia, or around, in store or greenhouse work; has been working in greenhouses before in Germany and England. Address
Key 436 care American Florist.

Situation Wanted—As gardener on private place with glass; head or single; Chicago or California preferred; age 28, single; 15 years' experience; well up in gardening in general; references
Key 420, care American Florist.

Situation Wanted—As foreman or assistant on private or commercial place, by young single German 15 years' experience; grower roses, carnations, chrysanthemums, palms and general stock; references, address EDWARD JACEGER,
401 E. 156th St., New York City.

Help Wanted—A good helper for general greenhouse work at an up-to-date commercial place.
Key 435, care American Florist.

Help Wanted—Young man with 2 years' experience in general greenhouse work; $12.00 per week and room. EDWARD TATRO, Salina, Kas.

Help Wanted—General foreman and rose grower at Poehlmann Bros. Co., Plant B. Address
ADOLPH H. POEHLMANN,
Plant B, Morton Grove, Ill.

Help Wanted—First-class potter and general plant grower; sober and reliable; references required; state wages expected.
STUART & HAUGH, Anderson, Ind.

Help Wanted—A man to work in rose section, also two men for general greenhouse work; state wages without board. Address
Key 340, care American Florist.

Help Wanted—Wire worker for a Kansas City floral concern; state experience, age, nationality and wages desired. Address
ALPHA FLORAL CO., Kansas City, Mo.

Help Wanted—Decorator and designer; one who has some knowledge of plants; single man preferred. References and wages in first letter. Address Key 410, care American Florist.

Help Wanted—Good salesman and maker up for retail store in large city on Pacific coast; give references, wages expected and other particulars.
Key 431, care American Florist.

Help Wanted—Experienced manager or foreman for large commercial place where all kinds of cut flowers and plants are grown; Pacific coast. American or Englishman perferred. Address
Key 432 care American Florist.

Help Wanted—A good grower of roses, carnations and 'mums to take full charge of 40 000 feet of glass, wholesale only; must have good references; sober and not afraid of work; must be capable of handling help; wages, $60 per month. Address Key 430, care American Florist.

Help Wanted—By April 1, a working foreman, married, to take charge of 35,000 feet of glass, where roses, carnations, 'mums and a general line of bedding and pot plants are grown for retail store; must be capable of producing first-class material and also fully able to handle men to best advantage, JOHN RECK & SON,
Bridgeport, Conn.

Help Wanted—We have a good garden on edge of Illinois town, with greenhouses, hotbeds, etc. We furnish team, seeds, implements, etc., and divide gross profits, which run about $1,200, but could be much increased by good man. Good schools and healthy location; living cheap. Good two-story house on place. Must be strictly honest and a good gardener. Will make favorable terms either for cash rent or share. Address
Key 433, care American Florist.

For Sale—Two small greenhouses, with stock. LIMITS FLORIST, 1741 Diversey Blvd., Chicago.

For Sale—A large florist refrigerator with mirrors and marble base at a bargain
A. B. ELLSWORTH, 17 N. 6th St., Allentown, Pa.

For Sale—Floral refrigerator and store fixtures suitable for retail florist store in first-class condition, almost new. BRIGHTON FLORAL CO.,
Station B, Cincinnati, Ohio.

For Sale—Two house, each 14x100 ft and one 5½x100 fully stocked opposite the largest cemetery here; one acre of land, living rooms above office. A good man on carnations and bedding plants can do well here. F. W. MEYER,
Kalamazoo, Mich.

For Sale—20,000 square feet of glass, well stocked; three acres of ground; six-room house; all modern, in good condition, and a money-making place in best city of Indiana; $4,500 required. Details to parties meaning business.
Key 427, care American Florist.

For Sale—A retail florist business consisting of 4200 feet of glass, well stocked, store building with living rooms above; on 2 lots 44x136 feet located in the heart of a residence city; county seat of 10,000 inhabitants less than 50 miles from Chicago with good surrounding towns. Address
Key 434, care American Florist.

For Sale—A large modern and successful floral establishment, the oldest established in the city, carrying a complete line of cut flowers potted plants, seeds, poultry supplies, etc. This place must be seen to be appreciated, and, under proper management, is a money maker. Will be sold at a price that is right. For further information address C. EDWIN OYSTER,
507-8 Dollar Bank Bldg., Youngstown, Ohio.

For Sale—A greenhouse plant in Colorado Springs, Colo., of about 19,000 feet of glass all stocked and just coming in good bearing condition steam heat; city water; cheap coal; six room cottage with plant, one acre of ground. This is a rare chance for a man with a family to help or a party that wants a higher altitude; good trade; fine soil and water the best.
A. D. JONES, Broadmoor, Colorado Springs, Colo.

For Sale—Greenhouse property. I offer for sale to quick buyer a splendid greenhouse property at Highland, N. Y., consisting of the following three houses, respectively: 161 x 26, 102 x 26 and 100 x 50, all of the most modern iron construction, heated with hot water, and supplied from village water system; also one propagating house 50 x 6, together with two acres of valuable land, all lying in the village of Highland. This property is in A1 condition, and will be sold at a reasonable figure, on easy terms; possession given June 1, 1908.
L. M. PARKER, Highland, N. Y.

For Sale—At a sacrifice. On account of failing health I now offer my business for sale. I have seven greenhouses well filled with carnations, ferns, palms and bedding plants; located in the center of the city. We have been established for over fifteen years on leased ground, but the owner has all kinds of vacant ground all over the city and does not need this which is safe for many years. I am doing a No. 1 business in cut flowers and have an immense bedding out trade. We run two wagons. If you wish to make money here is your chance. I will give possession at once. Must be cash. For further particulars, address
W. H. HUMFELD FLORAL CO.,
Kansas City, Mo.

A Undeveloped Gold Mine at a Bargain.

A snap for a live practical florist having a small amount of cash capital; my greenhouse plant and residence is offered for the next 60 days at a sacrifice; it is well located in the best city of its size in Michigan, having 14 profitable tributary towns and only one other greenhouse within 30 miles; first-class cut flower and plant business. Write for particulars.
A. W. TWEEDIE, Cadillac, Mich.

—THE AMERICAN FLORIST—

TRADE DIRECTORY

of the entire **HORTICULTURAL TRADE** of America,
will be ready for mailing this month.

Price, $3.00 Prepaid.

A complete alphabetical list of all American cities with the names and addresses of all commercial horticulturists therein. A separate list, arranged alphabetically, of every commercial horticulturist in this country. A separate list of park superintendents, and all cemeteries. A separate list of all florist's clubs and horticultural societies, with their newly elected officers to date.

New cuts now coming on of **Fancy KILLARNEY and RICHMOND**

OTHER ROSES IN GOOD SUPPLY.

Carnations also in good supply. We grow our own **Lily of the Valley, Fancy Mignonette, Freesias, Tulips, Daffodils,** and all other seasonable flowers. **Green Goods** also a specialty. All at market prices day of shipment.

Poehlmann Bros. Co. Office and Salesroom 33-35-37 Randolph St. Long Distance Phone Randolph 35. **Chicago.**

HENRY M. ROBINSON & CO., Wholesale Commission Florists. Hardy Cut Evergreens and Florists' Supplies.

BRONZE GALAX, best quality...$8.50 per case, 10,000 **GREEN GALAX** best quality...$7.50 per case, 10,000
DAGGER AND FANCY FERNS.....$1.50 per 1000

Laurel Festooning, Boxwood, Southern Wild Smilax, Sphagnum and Green Moss, Leucothoe Sprays, etc.

15 Province St. and 9 Chapman Place, BOSTON, MASS.

New Orleans.

CARNIVAL DEMAND DISAPPOINTING.

Although the weather is hot, even for this latitude, the thermometers ranging around 75° the past week, but little local stock is offered. Violets, sweet peas, pansies, lily of the valley and Roman hyacinths are coming in from the growers, the first three items mostly outdoor stock. Violets from frames, shown in limited quantity, afford the best stems. The bulk of the stock now used, however, is received from Chicago, and among recent shipments from that city some unusually fine roses and carnations from Budlong were noted. Retailers here claim that Lady Bountiful carnations do not ship well and that White Perfection is much superior in this particular. The carnival functions, balls, etc., of which there are now about two weekly, create some demand for decorations and bouquets, and there is always some funeral work. But business generally is uncommonly dull and growers and retailers alike bewail the lack of orders and the evident curtailment in those received. It is hoped that the week of Mardi Gras (March 3) will stimulate the demand, but the prospect does not cheer the dealers greatly.

NOTES.

Harry Papworth, at the Metairie Ridge Nurseries, has about completed repairs, to the amount of $4,000, rendered necessary by the severe hail storm of last December, and his large stocks of roses and decorative plants, considering the destruction wrought by the storm, is in remarkably thrifty condition. An extensive line of young chrysanthemums was noted. Mr. Papworth expects to attend the Chicago convention and exhibition of the American Rose Society next month.

M. Cook's Sons grow a great variety of indoor plant stock, especially palms and ferns, which are in excellent condition. Callas and frame violets are well done at this place, and a house of bouvardia (a rarity nowadays) affords bloom in plenty throughout the year. M. Cook, the veteran founder of the firm, is planning to attend the S. A. F. convention at Niagara Falls next August with his wife, and he also hopes to visit Chicago during the National Flower Show next November.

Abele Bros. are picking outdoor sweet peas and find good demand for them notwithstanding the short stems. The brothers Abele produce large quantities of market plants, including calendulas, French marigolds, wallflowers and similar plants, and find ready sale for them, in 2½-inch and 3-inch pots. Pentas lanceolota, with white flowers, is extensively grown here for bedding and cutting. This concern has just cleared the ground for a new asparagus house, 20x100 feet.

U. J. Virgin has had a liberal share of recent funeral work and his force has been kept busy until a late hour evenings with shipping orders. Richard Eichling is now in charge of the greenhouse department and is sending in large quantities of Roman hyacinths, narcissi, lily of the valley, violets, etc., Mr. Virgin is acting as advisory director of those in charge of Canal street improvement by planting and he is also serving on the federal grand jury.

Chas. Eble says business in his new Baronne street store, which he has occupied four months, has kept him hustling all the time.

P. A. Chopin has plenty of funeral work in hand, but says that business in other lines should be a great deal better at this season.

Joseph Bernard has the new greenhouses of City park in full operation, rejuvenating and propagating summer bedding stock.

Manager Eichling, of the Avenue Floral Co., has been busy with important decorative work during the past week.

Frank B. Faessel has a fine supply of Asparagus Sprengeri growing outdoors on raised benches.

Visitors: O. G. Bishop, representing Vaughan's Seed Store, Chicago; B. Eshner, representing M. Rice & Co., Philadelphia, Pa.; J. D. Carmody, Evansville, Ind., who sailed for Panama February 15.

Fancy and Dagger FERNS $1.50 per 1000

Discount on large orders.

New Crop Galax, Bronze or Green, $1.25 per 1000: 10,000, $7.50. **Wild Smilax,** 50-lb case, $6.00.
Sphagnum Moss, large bales..... $1 25
Leucothoe Sprays.....$1.00 per 100; 1000. 7 50
Boxwood.....35c per bunch; 50 lbs. 7.50

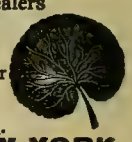
Florists in the Middle and Western States can save money by placing their fern orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,
WHOLESALE COMMISSION FLORISTS,
33-40 Broadway. All Phone Connections. DETROIT, MICH

George Cotsonas & Co.

Wholesale and Retail Dealers in all kinds of

Evergreens.



Fancy and Dagger Ferns, Bronze and Green Galax.
Phone 1202 Mad. Sq.
Main Store. 50 W. 28th St., NEW YORK.
Mention the American Florist when writing

E. A. BEAVEN

Southern Wild Smilax,
Log Mosses,

Natural and Perpetuated — at Wholesale,

EVERGREEN, ALABAMA.
Mention the American Florist when writing

John P. Scherer

UNION HILL, NEW JERSEY.

New York Branch: 463 Sixth Ave., bet. 28th and 29th Sts., New York. Telephone 6237 Mad.Sq.

SMILAX, FERNS, PALM LEAVES

and all kinds of **GREEN GOODS.**
Mention the American Florist when writing

H. J. Smith

HARDY CUT FERN DEALER, ETC.,

HINSDALE, MASS.
Mention the American Florist when writing

THE KERVAN COMPANY,
113 West 28th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves Galax, Leucothoe, Ferns, Mosses and all Decorative Evergreens.

KILLARNEY

IS now in crop with us. The quality was never finer. They are far better than Beauties just now. We are cutting large quantities of **Maids, Brides** and **Richmonds** and the finest crop of **Carnations** we ever grew. Buy direct of the **Grower** and get your flowers at first hand.

BASSETT & WASHBURN,

76-78 Wabash Avenue, CHICAGO.

Cleveland.

MARKET IMPROVING.

The market condition shows a decided improvement over the past two weeks. Stock moves much more freely. Carnations have dropped off a little, but there are still more than enough on the market. Bulbous stock is seen at every turn; more tulips and daffodils are coming in than it is possible to handle to any advantage. The supply of roses is not over plentiful, all good stock being cleaned up daily. The few warm days we had last week brought the street venders out and carnations were sold at 10 cents per dozen. Although most of the retail florists complain of this method of disposing of stock, nevertheless it aids greatly in keeping the market cleaned up. All available violets, red carnations and roses were sold for St. Valentine's Day. These brought good prices. Shipping trade has been good the past week.

FORESTER.

FLORISTS' CLUB CARNATION SHOW.

At the carnation show held by the Florists' Club at Progress hall, February 10, the Lamborn Floral Co. showed a fine table of carnations consisting of Enchantress, White Perfection The Belle, Harlowarden and Lady Bountiful, the White Perfection being the finest white on exhibition. (Certificate of merit.)

F. C. Bartels showed a table worthy of special mention, his Lawson being the finest of this variety on exhibition. The light pink sport of T. W. Lawson is well worthy of close attention. Wm. Bartels was awarded a certificate of merit on his vase of Enchantress, which was very fine.

R. Witterstaetter of Cincinnati received a certificate of merit on a vase of Afterglow, this being the finest vase staged.

Carl Hagenberger, Mentor showed a vase of white lilac and a bunch of Princess of Wales violets, which showed the highest of culture.

The Chicago Carnation Co., Joliet, Ill., showed a vase each of Andrew Carnegie and Aristocrat that received special mention for fine culture.

The vases of Bride and Bridesmaid roses shown by Isaac Kennedy were the finest ever seen in these parts. He was awarded a certificate of merit on his improved sport of Bride.

Heepe Sons of Akron showed a table of mixed carnations and received special mention for high culture.

J. Merkel & Son, Mentor, showed a fine table of carnations. Those worthy of mention are White Perfection, White Enchantress and a vase of Beacon, for which they were awarded a certificate of merit.

Roman Wasko exhibited a bunch of Princess of Wales violets that showed fine culture; he was awarded a certificate of merit.

The F. R. Williams Co. showed a table of fine carnations consisting of Enchantress, Rose Pink Enchantress, White Enchantress, White Perfection, Robt. Craig and Beacon. A certificate of merit was awarded for a vase of sport from Enchantress, which shows a marked improvement over the parent. The judges were Geo. Bate, Wm. Sladie and John Keeley.

IF YOU ARE IN NEED OF

GOOD STOCK

We are fully confident that we are in a position to fill your wants.

Why? Because we carry the kind of stock that you are looking for, as we make a specialty of producing high grade stock of all kinds, being strong in

Roses, Carnations, Violets

Bulb Stock, as well as Smilax

and all other Greens

In addition to the cutting of a choice line of stock from our own large greenhouses, we also handle the productions of a number of the best growers in this city, thereby placing us in a position to fill all orders in a very satisfactory manner, as a trial order will convince you.

So if you wish to avoid disappointments and want your orders filled satisfactorily, just give us a call and you will be more than pleased that you called upon us.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of CUT FLOWERS

SAN JOSE, CALIF.—Professor F. F. Bioletti, a former professor at the University of California, has been appointed a member of the County Board of Horticulture, vice William Palmtag, resigned. Professor Bioletti is a part owner of the Grass Valley vineyard. Dr. Ohrwall being the other owner.

SOUTH PORTLAND, ME.—The greenhouses of Miles Nelson were damaged about $500 by a fire which occurred February 9. The fire is supposed to have caught from crossed wires, near the dome of the boiler house, as it was there that the flames did the most damage. As soon as the fire was under control members of the hose company set to work bailing out the pit where the boiler is located, so that the fire did not go out and many valuable houses dependent upon the steam had their contents saved from destruction by freezing. Mr. Nelson will repair temporarily, and in the spring will probably make many improvements on the damaged part, on which there was no insurance.

WIETOR BROS.

Wholesale Growers of..... **CUT FLOWERS** **51 Wabash Ave., CHICAGO**

	Per doz.
American Beauties, extra long stems	$5 00
30-inch stems	4 00
24-inch stems	3 50
20-inch stems	3 00
18-inch stems	2 00
15-inch stems	1 50
12-inch stems	1 25
8-inch stems	75c to 1 00

	Per 100
Bride,	$ 6 00 to $10 00
Bridesmaid, fancy	6 00 to 10 00
Killarney, fancy	10 00
" good	5 00 to 7 00
Kate Moulton, fancy	10 00
" " good	5 00 to 7 00
Richmond, fancy	10 00 to 15 00
" good	6 00 to 8 00

	Per 100
Chatenay, fancy	$10 00 to $12 00
" good	6 00 to 8 00
Uncle John, fancy	6 00 to 10 00
Perle	4 00 to 8 00

ROSES, Our Selection, $4.00 per 100

	Per 100
CARNATIONS, fancy	$3 00
" good	2 00

All other stock at lowest market rates. The above prices are for select stock. Extra select or inferior stock billed accordingly. No charge for packing. Prices subject to change without notice.

Detroit.

CARNATIONS PLENTIFUL.

St. Valentine's Day business assumed proportions sufficient to justify all in reckoning this annual event as a most important one to the trade, as each recurring season shows a steadily increasing popularity of flowers as valentine missives. Most of the retailers made ample preparation this year to meet the prospective demand and decorated their show windows suggestively of the day. Many examples of the decorators skill and taste were seen, the most notable of which was that of B. Schroeter's, where Hugo Schroeter, the genius of the establishment, arranged an effect which was most elaborate in its conception and cleverly executed in the most minute detail. The weather on Friday was most unfavorable as a heavy downpour of rain continued throughout the whole day. Notwithstanding this deterrent factor all enjoyed a good business disposing of great quantities of cut flowers and plants. Violets and lily of the valley were especially popular, while bulbous stock both cut and in pots were much in demand. For the first time this season an excessive supply of carnations confronts us. Nearly every grower has a full crop on and a consequent reduction in price prevails, the best flowers bringing only $2 per 100 and much good stock selling for little better than half that price, while that of poor quality finds no sale whatever. Bulbous stock, now so plentiful, aggravates the situation and growers and wholesalers are worrying. Good roses are none too plentiful, the supply being about even with the demand. Violets, contrary to the reports from many other points, have lost none of their former popularity here and several thousands are sold daily, the supply coming chiefly from Mt. Clemens, and Rhinebeck, N. Y.

NOTES.

The Florists' Club meeting, February 19, is expected to be an interesting one. Geo. Brown will entertain the members on a subject not yet announced and Ex-President, Wm. Dilger will open a discussion on the "Bud-Rot of Carnations." President E. A. Scribner will designate some of the members to prepare papers to be read at meetings throughout the season. The officers and some of the members of the club are invited to attend an entertainment given by the Twentieth Century Society in their building, February 20.

Wm. Dilger contemplates a trip to Cuba about the middle of April and on his return will interest the members in a description of his observations while there. He will go in his official capacity as superintendent of Belle Isle and in the interests of the aquarium.

Vice President Philip Breitmeyer of the American Rose Society is making strenuous efforts to increase the membership of that society in this locality and will head a large delegation to the society's show to be held in Chicago March 25-27.

The small army of foreign bulb agents visiting here are unanimously optimistic in their expressed views of the present business situation, but the reduced size of the orders they are taking is not confirmatory of their favorable expressions.

Frank Holznagle, treasurer of Highland Park is now very conspicious in the politics of that thriving suburb of our city. His new carnation range is now yielding a splendid though much belated crop of the finest blooms.

Frank Danzer who sustained an injury by a fall on an icy pavement about 10 days ago is much improved, but is not likely to be able to resume his duties at Breitmeyer's for some time yet.

Chas. Warncke who was the victim of a similar accident to that of Frank Danzer's is suffering much pain and his complete recovery is not expected for a long time.

The bursting of a large water main, February 12, in front of G. H. Taepke's premises on Gratiot avenue flooded his store doing considerable damage.

J. F. Sullivan sent out an attractive valentine postal card to his customers which was much appreciated and helped business along.

Visitor: Martin Reukauf, representing H. Bayersdorfer & Co., Philadelphia, Pa.

J. F. S.

Baltimore.

BUSINESS BAD.

Most unpropitious weather and the general depression in business, with its accompanying financial stringency, are responsible for the stagnation which may fairly characterize the situation for the past week or two in the cut flower trade. The embarrassments to water-navigation and loss of employment by the thousands directly dependent thereon has interfered with social events and all other occasions which usually bring demands for flowers. Enormous receipts of carnations have fairly swamped the market and the conditions are about as untoward as often present themselves. St. Valentine's Day, which of late years has been the occasion of some well-distributed business did not seem to leave a ripple on the surface of trade operations, and beyond a few boxes of violets and an occasional bunch of roses which the stores sent out, the festival of the lovers' saint was a "dies non." All are living in the hope that milder skies and balmier air will soon replace the wild weather lately experienced and that improvement will result to the trade, which of late has practically depended upon funeral and hospital demands for any activity whatever.

At a special meeting of the stockholders of the Florists' Exchange held February 10, the by-laws were amended so that hereafter there will be semi-annual meetings of the corporation. It has been found by experience with an annual meeting only, most of the time is consumed in the election, and if there happens to be a contest there is no opportunity for considering any other business. It was also voted to have an auditing committee outside of the board of directors to go over the accounts of the financial officers and employes. For the current year the following were elected: Robert L. Graham, John D. Halliday and F. G. Burger. Notwithstanding the general dullness, the Exchange maintains its average amount of business, and the manager, John J. Perry, who has had numerous callers from members of the trade passing through our city to the carnation meeting and on other errands, has been much complimented on the convenient and handsome structure the concern occupies, and his excellent arrangements for facilitating business.

General Ferdinand C. Latrobe, who for seven terms served the city as mayor will soon be appointed, as is understood, president of the park commission, of which he is now a member, to succeed Major R. M. Venable, who has resigned that position on account of ill health. Mr. Latrobe has long shown a great interest in the management of matters connected with the parks, and is an able and experienced business man, with a great capacity for work and of marked industry and activity.

Miss East, who for several years has been employed with Thomas Vincent in his stores, has opened an establishment of her own at North avenue and Tenth street, a good field and one where at present there are no other florist stores.

M. Thau, who has been the manager of the greenhouses at Govanstown run for W. Ackerman, it is understood, has taken over the stock and lease and will hereafter conduct the growing business on his own account.

S. B.

WE ARE ON WITH A BIG CROP OF

EXTRA FANCY RICHMONDS

All other **Roses** in big supply. **Carnations,** too, are in full crop with us.
We can take care of your orders, large or small. Let us have your regular orders.

OUR PRICE LIST.

	Per doz.
American Beauties,	
Extra long stems,	$6.00
30-inch stems	5.00
24-inch stems	4.00
18-inch stems	3.00
15-inch stems	2.00
12-inch stems	1.50
Short stems	.75 to 1.00

	Per 100.
Mrs. Marshall Field and Killarney.	
Best	$10.00 to $15.00
Short to medium	6.00 to 8.00
Liberty and Richmond	
Best	8.00 to 10.00
Short to Medium	5.00 to 7.00
Golden Gate Select..	8.00 to 10.00
Short to medium	4.00 to 6.00
Perle	4.00 to 8.00

	Per 100.
Chatenay Select	$10.00 to $12.00
Short to medium	6.00 to 8.00
Bride and Bridesmaid	6.00 to 10.00
Sunrise	6.00 to 10.00
Uncle John	6.00 to 10.00
Ivory	6.00 to 10.00
Carnations	2.50 to 3.00
Lily of the Valley	3.00 to 4.00
Asparagus Plumosus	2.00 to 3.00

ROSES, OUR SELECTION, short to medium stems, all fresh stock, $4.00 per 100.

PETER REINBERG, 51 Wabash Ave., CHICAGO.

Largest Grower in the World. 1,580,000 Feet of Glass.

To Be Done Now.

IN THE GREENHOUSES.

Cut back a few plants of Begonia Gloire de Sceaux to produce cuttings.

Sow plenty of lobelia and pyrethrum (golden feather) if this has not been already done.

Pot off the seedling cyclamens. Keep the top of the corm level with the soil and give the young plants a light position.

Good bedding verbenas may be raised by sowing seed of a good strain now. The colors come fairly true.

The last batch of bedding geranium cuttings should be put in the sand.

See that spireas are not left about under benches after they begin to grow or they will not make shapely plants afterwards.

A few boxes of double tulips may be brought in but they should not go into heat until the first week in March.

Push on with the potting of geraniums for bedding. Never allow the plants to get very hard in the 2-inch pots.

Fuchsia cuttings strike well and make better plants in the same bed as carnations than if given more heat overhead.

IN THE STORE.

Buy only good well developed fern as it is much more lasting than the cheaper, immature stock.

Deliver orders on time. An hour late or early is not what customers want or they would say so.

Placing flowers in warm water immediately on arrival makes them last longer according to an experienced florist.

Long stemmed orchids, such as oncidiums and Mexican lælias do not keep as well as shorter ones like cattleyas.

Yellow and blue is a very beautiful combination for flowers by day, but is not so good for use under artificial light.

Keep flowers in semi-darkness if it is desired to hold them over for any length of time. They keep their color better.

OUTDOORS.

The hardy varieties of peas and parsnips should be got in as soon as possible when the frost goes out of the ground.

When dividing old clumps of hardy perennials save the young growing portions from the outside and throw away the dead or weak portions in the middle.

Get all old winter rubbish burnt up and the ashes spread on the soil.

See that no fences or wires of any kind are "growing in" to fruit or shade trees. Look over the supports carefully.

Get tools and implements of all kinds in thorough order to start up the season's work.

After high winds take a look over the protective material and where it has been displaced put it right.

Plant the Kilmarnock willow near ornamental water. Use plants worked high on a suitable stock such as the hardy sallow.

When planting trees firm the soil well around the roots but leave the surface loose for about two inches.

Head in all newly planted fruit trees. If the old growth is left they will never make shapely heads.

Quite time to get out last Easter's records and arrange matters to meet an increased sale this year.

European Horticulture.

FROM THE BRITISH TRADE PAPERS.

NARCISSUS TRADE IN THE SCILLIES.—The Scilly isles, where the narcissus harvest has just begun, exported more than 1,000 tons of cut flowers during 1907—which compares with 850 tons despatched in 1906. The largest quantity sent by steamer from Scilly to Penzance on a single day was between 30 and 40 tons. For the carriage of the flowers to London the Great Western Railway have designed a special truck capable of holding 2½ tons of cut flowers, since the blooms occupy a very large space in proportion to their weight. Altogether, with steamer freight and railway charges, it cost the Scilly growers £6 10s. per ton to get their flowers to London, and last year the Great Western Railway made £6,500 from this source. The great expense of carriage has a tendency to extinguish the trade in the commoner varieties of flowers. Then the quay dues of Dorrien-Smith (the "king") account for another £500. Arums are grown at Scilly in large quantities, as well as jonquils and narcissi, and command good prices, especially when the time of the maturity of their blooms and of Easter happen to coincide. These flowers are grown in trenches so as to escape the violence of the winds. I understand that at Tresco Dorrien-Smith's gardener has glass shelters mounted on wheels, which can be run in over the beds of narcissus when the time of the opening of the buds approaches.

WATSONIA ARDERNEI.—I can re-echo all that is said by S. W. Fitzherbert in praise of Watsonia Ardernei, which he says is identical with W. O'Brieni. Several years ago Mr. Arderne, of Claremont, Cape Town, kindly sent me several bulbs. They have grown well and increased greatly in my garden. I have now three large clumps, which bore about 50 spikes of bloom last year. Previously they had not flowered well. When they were lifted I found that the one clump I had had grown into a tangled mass of old and new bulbs. The old ones of previous years were then thrown away and three new clumps planted in good loamy soil mixed with leaf-mould and old manure. They responded well to this treatment, and last year were much admired. W. Ardernei is really a very fine plant, possessing a distant likeness to Gladiolus The Bride. It differs, however, very widely in height, leaves, size and shape of bloom, and the flowers are long and tubular and much smaller. I saved some seed last year, and if it germinates it will be interesting to see whether it reverts to type or still continues to bear white flowers. The leaves of my bulbs are now (January 22) growing apace; they are now all sizes, from six to 18 inches high. I have never grown or seen W. Ardernei in pots. It seems to me to be a bulb better fitted to growth in the open. I should imagine that the spikes of bloom would grow up too tall under glass to be effective, and, as Dean Hole once said of standard roses, you would require a balloon to see them properly.

Chicago.

MARKET VERY QUIET.

The market has been very quiet the past week. Roses have been in short supply, particularly American Beauty, Bride and Bridesmaid. Good American Beauty is an item that is now hard to obtain. Richmond and Killarney are the heaviest cuts at the present time. Perle is also in good supply. The supply of carnations seems to have had no limit, although conditions at time of writing seem to have somewhat improved. The quality has been exceptionally fine, but buyers were very discriminating. Cheap and common stock was entirely neglected and clean-up sales were made in many instances at very low prices. The white, including White Perfection, Lady Bountiful and Boston Market, were in largest demand. Easter lilies are beginning to be seen on all counters in liberal quantities. The indications are that the supply will be exceptionally large before Easter. Callas are also plentiful. Other bulbous stock has been moving slowly for more than a week past. La Reine (novelty) tulips go best. White and yellow move, but both are selling cheap. Roman hyacinths are poor sale with Paper White narcissus going somewhat better. Couronne d'Or (double orange tulip) is scarce and selling at five cents. Tulip bulbs with some growers have blighted badly.

FLORISTS' CLUB MEETING.

The Florists' Club meeting in Mandel hall, February 13, brought out a very good attendance. President Leonard Kill was in the chair. After the reading and approval of the minutes, the matter of again leasing Mandel hall for the club meetings was made a special order of business and was referred to the trustees with power to act. Several applications for membership were recorded, including: Herman Schiller, 897 W. Madison street; John Kruchten, 51 Wabash avenue; W. G. Hening, Blue Island; John Schillo, 218 Mohawk street.

The report of the finance committee was read by Chairman H. N. Bruns. August Poehlmann followed with his report for the special committee having charge of the rose show arrangements. President Kill then announced his appointments to the standing committees. H. N. Bruns was made chairman of the finance committee; F. F. Benthey of the transportation committee; P. C. Schupp of the committee on sports, and T. E. Waters of the committee on the good of the club. On the suggestion of the last named committee the sum of $15 was appropriated with which to plan some special form of entertainment for the next regular meeting.

Prof. A. C. Beal, of Champaign, was present and urged the members to attend and exhibit as largely as possible at the State Florists' Association convention at Springfield. On motion of Geo. Asmus, August Poehlmann was selected as manager of the forthcoming rose show.

A vase of seedling carnations was exhibited by Fritz Bahr, of Highland Park. J. S. Wilson, Andrew Benson and W. L. Polinsky were appointed as judges who awarded the exhibit 85 points and the club's certificate.

NOTES.

A suggestion, often made before and urgently repeated at the last meeting of the Florists' Club that the club arrange to furnish rooms of its own, including a suitable hall, reading rooms, etc., seems to be now meeting with considerable favor. Several of the growers and commission men are said to be willing to contribute toward financing the project.

E. F. Winterson says that the Fleischman Floral Co. has left a standing order for all the blooms of Fritz Bahr's new seedling carnation that can be cut at $10 per 100. This is a light pink that scored 85 points and was awarded a certificate of merit at the last club meeting. Mr. Winterson also handles W. N. Rudd's popular seedlings, Defiance, Sincerity and Pink Beauty.

Bassett & Washburn say they are about six weeks late with their carnations, but are just now coming in with a fine crop which they expect will last through until Easter. During the recent glut their O. P. Bassett carnation readily sold at $6 per 100. John Mangel and A. Lange have taken all that could be spared from the shipping trade.

Eighteen young ladies from this vicinity attended the Junior promenade at Madison, Wis., on St. Valentine's Day, and 18 large bouquets of sweet peas and adiantum shipped by C. L. Washburn were the favors at a dinner given that evening by his son, E. B. Washburn, who is taking a course in horticulture in the university there.

Geo. Reinberg is cutting some very fine cattleyas and large lots of excellent dendrobiums. Sweet peas are quite a feature with this establishment, and Mr. Reinberg expects to have an entire house devoted to them this coming season.

Weiland & Risch report having closed a contract for about five acres of land adjoining their greenhouses at Evanston. It is said to be the intention of the firm to build several houses thereon during the coming summer.

As an indication of the trend of the times, one prominent local retailer says his cash register this season shows 20 per cent more customers waited upon, with 25 per cent less money received.

Wietor Bros. believe their carnation houses never looked better than at the present time. N. J. Wietor says they are as nearly a solid mass of fine blooms as can be seen anywhere.

The A. L. Randall Co. is already busy with orders for Easter novelties. A feature here is a fine line of rustic ware for Easter and spring plant boxes.

Peter Reinberg and wife, John Schillo and wife and Mrs. C. W. McKellar say they will be in New Orleans for the Mardi Gras which opens March 3.

The carnation measure put out by the Kroeschell Bros. Co. now has the American Carnation Society's scale of points printed on it.

August Jurgens has been cutting fine La Reine, Yellow Prince, Proserpine and Couronne d'Or tulips since January 10.

Carnations are in their prime at J. A. Budlong's. White Perfection, Winsor and Aristocrat are exceptionally fine.

Our statement in this column last week regarding the demand for bulbous stock was too previous and in error.

Miss Hertha Tonner is handling some exceptionally fine carnations, especially Enchantress and white.

C. W. McKellar is shipping quite a number of cyclamen plants this season.

Andrew McAdams has left to spend a couple of months in Florida.

(Continued on page 186.)

Kennicott Brothers Company,

WHOLESALE

CUT FLOWERS.

48-50 Wabash Ave.,

CHICAGO.

Did you see WINONA at the convention? If not, see the cut at our store. We handle and sell the cut.

Klehm's Novelty Tulips

50 in the box, $2.00 per box.

We will have anything in the line of CUT FLOWERS and Greens that you may want if anybody has at Chicago market prices on day of shipment.

KENNICOTT BROS. CO.

L. D. PHONE, CENTRAL 466.

48-50 Wabash Ave., CHICAGO.

"THE BUSIEST HOUSE IN CHICAGO."

We Are Headquarters For

Fancy Ferns, the best, per 1000 ..... $2.00
Galax Leaves, green and bronze, per case 7.50
" " " " " per 1000 ..... 1.00
Leucothoe Sprays, per 1000, $6.00; per 100 ..... .75
Wild Smilax, per case 5.00
Carnations, largest stock in Chicago. We can fill any sized order. Per 100 ..... $2.00 and 4.00
Sweet Peas, very fancy 1.00
Tulips, novelty 3.00

Roses, all varieties and grades. **Daffodils, Jonquils, Valley,** and all flowers in season.

J. B. DEAMUD CO.,
51 Wabash Ave., Chicago.

Long Distance Phone Central 3155.

THE FINEST
VALLEY
Western Headquarters for
EARLY FORCING PIPS
$1.50 for 100.
$12.00 for 1000.

Write for quotations on large quantities.
Finest Cut Valley Always on Hand.

H. N. BRUNS,
1409-11 W. Madison St. CHICAGO
Long Distance Phone, Kedzie 1196.

Roses, Violets, Carnations and other **CUT FLOWERS of best quality**

E. H. HUNT
SEND FOR PRICE LIST.
76 Wabash Avenue, CHICAGO.

Florists' Supplies AND Novelties.

Mention the American Florist when writing

E. C. AMLING
THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.
32, 34, 36 Randolph Street, CHICAGO.
L. D. 'Phones Central 1978 and 1977.

Mention the American Florist when writing

DAILY SHIPMENTS OF
Cut Flowers
From 40 to 60 Growers.

"Greens" Our Specialty.

E. F. Winterson Co.,
45-47-49 Wabash Avenue. CHICAGO.

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO, Feb. 19.

Roses, Beauty, extra fancy	$ 5 00
" " 24 to 30-in. stems.	4 00
" " 12 to 20-in. stems.	1 25@ 3 00
" " Short stems	75@ 1 00
" Killarney	6 00@15 00
" Bride, Maid, Ivory, Gate.	6 00@10 00
" Liberty, Richmond	6 00@15 00
" Chatenay, Perle	6 00@12 00
Carnations	1 50@ 4 00
Violets	25@ 75
Lilium Harrisii, per doz.	2 00@ 2 50
Callas, per doz.	2 00@ 2 50
Cattleyas, per doz.	6 00
Lily of the valley	2 00@ 4 00
Pansies	1 00@ 1 50
Tuberoses	5 00@ 6 00
Stevia	2 00
Smilax, per doz.	2 00
Asp. Plu. & Sprengeri, bunch.	50
Asparagus strings, each.	75
Adiantum, per 100.	75@1 00
Leucothoe sprays	75@ 1 00
Ferns, per 1000.	2 00
Galax, green, per 1000.	1 00
" bronze, per 1000.	1 50
Boxwood, per bunch.	35
Sheet moss, per bag	3 50

Vaughan & Sperry,
Wholesale Florists,
58 and 60 Wabash Ave., CHICAGO.
WRITE FOR SPECIAL PRICES.
Mention the American Florist when writing

Always mention The American Florist when you order stock. : : : :

Chas. W. McKellar

51 Wabash Ave. CHICAGO.
ORCHIDS
A Specialty
Fancy Stock in **VIOLETS VALLEY, ROSES, BEAUTIES, CARNATIONS** and a full line of all **Cut-Flowers, Greens, Wire-Work** and **FLORISTS' SUPPLIES.**
Send for Complete Catalogue.

Mention the American Florist when writing

Zech & Mann
Wholesale Florists
Room 218, 51 Wabash Ave., CHICAGO
Telephone, Central 3284.
Mention the American Florist when writing

WEILAND AND RISCH
Wholesale Growers and Shippers of
CUT FLOWERS
59 Wabash Ave., CHICAGO.
'Phone Central 879.
Write for our wholesale price list.
WHOLESALE FLORISTS

THE BENTHEY-COATSWORTH CO.
35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

Fancy White Lilac, $1.50 per Bunch
Fancy La Reine, Yellow and White Tulips, $3.00 per 100.
Also a full line of all other seasonable Cut Flowers.
A. L. Randall Co. 19-21 Randolph St., Chicago.
Wholesale Florists and Manufacturers, Importers and Jobbers of everything in
Let us know your wants. FLORISTS' AND GROWERS' SUPPLIES. We can satisfy you.

Chicago Notes.

E. E. Pieser, of the Kennicott Bros. Co., suggests that retailers generally should learn to use leucothoe sprays, boxwood and greens other than common ferns to better advantage, as he expects the present supply will hardly last past April 1. In his estimation ferns are getting smaller and poorer each year, and that complaints as to quality will increase rather than diminish if new fields are not found.

The blizzard with heavy snow Tuesday and Wednesday gave growers and commission houses their troubles. Cut flowers coming in by teams arrived, but with heavy wear and tear on the animals. Many out of town lots to commission houses were from one to several hours late. Peter Reinberg, George Reinberg, Wietor Bros., J. A. Budlong and Weiland & Risch all depend on their teams.

The Poehlmann Bros. Co. is growing more freesias this year than last which are moving off very satisfactorily, this flower being more popular than ever for floral work. Killarney and Richmond roses are now in good crop at this establishment.

Mrs. Frank Beu is showing fine callas with their own foliage. In spite of the poor season in all lines of stock she reports her wallflowers have all been bought up so far at very satisfactory prices.

Responding promptly to a want advertisement inserted by a misguided friend George Asmus was called on by about 30 colored men last week, each of whom sought the situation of porter at $12 per week.

Zech & Mann count themselves fortunate in the present state of the market to be receiving fine lots of Bride and Bridesmaid roses.

John Sinner, of Sinner Bros., reports having an excellent crop of Bride, Bridesmaid and Richmond roses.

The J. B. Deamud Co. is showing some exceptionally fine Harrissi and Couronne d'Or tulips.

Mike Rocklin, of Bassett & Washburn's, is now on jury service in the superior court.

Pansies and sweet peas are of excellent grade at E. C. Amling's.

Richmond roses are in exceptionally fine crop at Peter Reinberg's.

Visitors: Thos. E. Cashman, president Clinton Falls Nursery Co., and wife, Owatonna, Minn.; M. Langohr, Bozeman, Mont.; Philip Breitmeyer, Detroit; J. A. Lynn, Charlevoix, Mich.; A. C. Beal, Champaign; Albert T. Hey, Springfield; C. C. Pollworth and wife, Milwaukee, Wis.

St. Louis.

DEMAND GOOD.

The market the past week was a busy one; prominent weddings, funerals and receptions caused quite a demand for flowers. St. Valentine's Day was also a factor, but the inclement weather hurt sales considerably. The growers of violets kept the wholesalers guessing the early part of week; violets were scarce and Thursday 75 cents per 100 was asked for California flowers, Friday, however, the growers came in and crowded the market and prices dropped as if by magic and on Saturday, violets went begging at $2 and $3 per 1,000. Jonquils are more plentiful. Carnations have held their own mostly being sold at $1.50 to $3. Roses still remain very scarce. Callas and Lilium Harrisii are selling well owing to the demand for funeral work. Sweet peas are more plentiful. Smilax and Asparagus Sprengeri are selling well.

NOTES.

The Florists' Club met last Thursday, Will Young in the chair, 45 members being present. An invitation was received from the Springfield Florists' Club to attend its convention at Springfield, February 18 and 19. The Horticultural Society also sent a communication to the Florists' Club to co-operate with them in making the spring flower show a success. This is very commendable and should receive support by the trustees of the club. The following exhibited carnations: Chicago Carnation Co., Joliet, Ill., Andrew Carnegie; R. Witterstaetter, Cincinnati, O., Afterglow; Stevenson Bros., Baltimore, Md., Splendor; St. Clair Floral Co., Belleville, Ill., seedling. After the meeting the members and their friends were invited by Pres. Young to partake of refreshments and a good time generally was indulged in.

Park Commissioner Scanlan is directing the preparation of plans for a utilities building in Yeatman square upon the foundation of the old Hemen mansion. Shower baths will be installed as well as a shelter for children.

Among those who will go to Springfield are the following: Fred Ammann, B. Winters, Fred Ude, John Steidle, J. W. Dunford, Geo. Angermueller, W. Smith, and H. G. Berning.

Will Adels, for years with Ayres Floral Co. died after a short illness and was buried last Thursday. Several floral offerings were sent by retail florists.

Werner Bros., Clayton, are bringing in some fine violets and carnations. Their stock is successfully handled by W. Smith & Co.

The Horticultural Society will have a meeting this week when show matters will be the principle feature.

Ellison Floral Co. had several large wedding decorations during the week.

W. F.

PEORIA, ILL.—C. Klopfer has closed out his interests here and is looking for a new location. He has in mind some city centrally located in the state.

Kansas City.

FUNERAL WORK PLENTIFUL.

Trade for the past two weeks has been one of continuous surprises for the craft. The amount of funeral work which has been handled was unusually large which lessened the supply materially for St. Valentine's Day. Trade on that day was so far ahead of expectations that most every dealer was hustling about for stock before the day was well begun. Violets were in greatest demand, and as it happened most all the stock was exceptionally fine. A good deal of Hudson river stock was handled, but the home grown singles were most called for. Bulb stock was in good form, especially tulips and daffodils. American Beauty roses were noticably scarce, but some superb Richmond and Killarney took their places nicely. Red carnations were, as usual, good property as well as other varieties. Pot plants at present are a strong offering, and they comprise all the seasonable varieties. Primroses, cyclamens, azaleas and begonias were much sought for by valentine buyers. Tulip plants were in evidence, but they are somewhat backward in coming in. Green goods are more plentiful than at any time this season.

NOTES.

Violets did not fail to re-assert their popularity as a valentine offering, some of the retail stores handling as many as 25,000. Few novelties were offered this year. The Wm. L. Rock Flower Co. had a display of red heart hampers filled with violets which met with a good demand. Old fashioned bouquets with lace and paper holders were much in evidence. Samuel Murray had a strong offering of potted plants.

The trade will regret to learn of the misfortune that has befallen one of our oldest and best liked members, R. S. Brown. A recent illness deprived Mr. Brown of his hearing, which is a pretty bad handicap to one who is the hard worker and who has the admirable qualities which Mr. Brown displays.

J. E. Rodman, of Topeka, Kans., says the demand for flowers on St. Valentine's Day was unprecedented in that locality. It appears as though most every establishment in this section was unprepared to meet the demand, which, owing to the money conditions, was underestimated.

Mystery seems to surround the new greenhouses which are being erected near Nineteenth and Indiana avenue. Several houses of fairly good proportion are in course of construction, but to the present time no one has found out who is back of the venture.

Our old friend, D. Freudenthal, reports a splendid St. Valentine's Day business, and reported much difficulty in obtaining enough stock to fill orders.

The small daughter of E. A. Humfeld has been quite ill for several weeks, but at present is doing nicely.

The Peterson Floral Co. is establishing a nice trade in its new quarters on West Tenth street.

Frank Meinhardt of Leavenworth, Kans., was in the city looking for valentine stock.

K. C.

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations and all kinds of Seasonable Flowers in stock.

WM. F. KASTING CO. Wholesale Commission Florists.

BUFFALO, N. Y.

Florists' Supplies and Wire Designs.

—THE—

J. M. McCullough's Sons Co.

Wholesale Commission Florists.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Indianapolis.

BUSINESS GOOD.

St. Valentine's Day brought fair business; violets were in good demand, but only the home grown article gave satisfaction. Eastern doubles were poor and Michigan singles went to sleep. Carnations sold well and roses were scarce. The market for smilax and asparagus is improving owing to heavy funeral work.

Members of the executive committee of the S. A. F. are wearing a broad smile of satisfaction. They have selected the committees to arrange for the carnation meeting next February. The finance committee, especially, is well adapted for its work. Names will be announced at the next regular meeting.

Geo. Wiegand is enjoying himself in California. He wrote a postal with lots of lemons on it to his violet grower, saying: "Violets sell here at $1 per 1,000."

The Florists' Club met at H. W. Rieman's place and, as usual, had a very good time; the March meeting will be held at F. Hukriede's.

The spring migration of local florists to Richmond has been postponed from February 19 to 26.

John Hartje is considering an 11-acre tract south of the city for his new place.

The automobile delivery wagon is soon to make its appearance in this city.

G. Williams has secured a stand in Tomlinson Hall market.

A. Baur, who has been down with grip, is still a little shaky.

Visitors: Stuart & Haugh, of Anderson, and C. Knopf, of Richmond. J.

Mobile, Ala.

The Minge Floral Co. was incorporated February 7, with capital stock of $20,000 of which amount the incorporators, Miss Maria Minge, Wyndham Lyon and W. M. Bailey, all of this city, have subscribed and paid in for 83 shares of a par value of $8,300. The officers of the company are: Maria Minge, president; Wyndham Lyon, secretary and treasurer, and W. M. Bailey, manager.

Wholesale Flower Markets

CLEVELAND, Feb. 19.

Roses, Beauty	75@ 6 00
" Bride, Maid	4 00@12 00
" Richmond, Chatenay	4 00@12 00
Carnations	3 00@ 5 00
Lilies	12 50
Lily of the valley	3 00@ 4 00
Violets	50@ 1 00
Asparagus plumosus strings	75 00@100 00
" " per bunch	35c@50c
" Sprengeri, per bunch	35c@50c
Smilax	15 00@18 00
Adiantum	1 00@ 1 50
Common ferns, per 1000	$2 00
Galax, green	1 25
Galax, bronze	1 25
Roman hyacinths	3 00@4 00
Paper Whites	3 00@4 00
Stevia	1 00@ 1 50
Pansies	1 50
Sweet peas	1 00@ 1 50

BUFFALO, Feb. 19.

Roses, American Beauty	7 00@50 00
" Bride, Bridesmaid, Meteor	4 00@15 00
Carnations	2 00@ 4 00
Lily of the valley	3 00@ 4 00
Smilax	15 00
Adiantum	50@ 1 50
Lilies	4 00@15 00
Galax, per 1000	$1 50
Ferns, per 1000	2 00
Violets	50@ 75
Mignonette	3 00@ 5 00
Narcissus	2 00@ 3 00
Sweet peas	40@ 1 00
Hyacinths	2 00@ 3 00
Tulips	2 00@ 3 00
Daffodils	2 00@ 3 00
Asparagus Sprengeri, per bunch	25 50
Asparagus plumosus, per bunch	25@ 50

MILWAUKEE, Feb. 19.

Roses, Beauty	75@ 4 00
" Liberty, Chatenay	3 00@10 00
" Bride, Bridesmaid	3 00@10 00
" Meteor, Golden Gate	3 00@10 00
" Perle	4 00@ 6 00
Carnations	2 00@ 4 00
Smilax	$1 50 per doz.
Asparagus, sprays	3 00
" Sprengeri	2 00@ 3 00
Lily of the valley	3 00@ 4 00
Adiantum	1 50
Violets	50@ 1 00
Common ferns	$2 00 per 1000
Harrisii	$2 00 per doz.
Paper Whites	2 00@ 3 00
Romans	2 00@ 3 00
Stevia	1 50@ 2 00
Tulips	2 00@ 3 00
Trumpets	2 00@ 3 00
Daffodils	2 00@ 3 00
Sweet peas	50@ 1 00

ST LOUIS, Feb. 19.

Roses, Beauty, long stems	2 50@ 3 00
" " medium stems	1 50@ 2 00
" " short stems	2 50@ 1 00
" Bride	4 00@10 00
" Bridesmaid	4 00@10 00
" Chatenay, Richmond	4 00@10 00
" Killarney	5 00@10 00
Carnations, common	1 50@ 2 00
" best	3 00@ 4 00
Smilax	12 50@15 00
Asparagus Sprengeri	1 00@ 2 00
" plumosus, strings	25 00@40 00
" cut sprays	1 00@ 2 00
Ferns, Fancy, per 1000	$2 00
Lily of the valley	3 00@ 4 00
Violets, California	25@ 35
Narcissus	2 00@ 3 00
Callas	10 00@15 00
Sweet peas	40@ 60
Roman hyacinths	1 50@ 2 00

CINCINNATI Feb. 19.

Roses, Beauty	$2 00@$ 6 00
" Bride, Bridesmaid	4 00@ 8 00
" Richmond	4 00@ 8 00
" Golden Gate	4 00@ 8 00
" Ivory	4 00@ 8 00
Carnations	2 00@ 4 00
Lily of the valley	3 00@ 4 00
Violets	50@ 1 00
Daisies	50
Callas	10 00@12 50
Harrisii	15 00
Roman hyacinths	2 00@ 3 00
Narcissus	3 00
Smilax	12 50@15 00
Daffodils	2 00@ 3 00
Tulips	2 00@ 4 00
Asparagus plumosus and Sprengeri in bunches, per bunch	25c
Eastern Ferns, per 1000	$2 00
Galax, Green and Bronze	$1 00

The new company has purchased a 10 acre tract of land fronting on New Sage street and the Old Shell road, near the crossing of the Old Shell road and the Mobile, Jackson & Kansas City railroad. It has also secured options on lands adjoining for the enlargement of the greenhouses and gardens as this becomes necessary. The site was selected because the soil and locality are the most perfectly adapted for the culture of roses and flowers to be found in the vicinity of the city. The land is virgin and has received the loamy silt from Spring Hill for ages. The company has contracted for more than 25,000 grafted rose plants, which will be ready for shipment south and transplanting in the early spring. Orders are in and the manufacturers will soon have ready to ship a battery of 60 h. p. boilers, with steel tubing for steam heat to supply 10 greenhouses from the Foley Manufacturing Co., of Chicago, that are now ready for shipments, and will be set up upon arrival, without any delay, and when ready for use will cover 26,000 feet.

Buffalo Cut Flower Co.

468 Washington St.,

BUFFALO, N. Y.

J. N. BAILEY, Manager.

Y O U

Give us your order. Guarantee satisfaction. We handle only the best

Carnations, Roses, Violets, Valley,

Etc. Also Wire Designs and all kinds of supplies.

600 Asparagus Plumosus

3-inch pots $5.00 per 100.

Weiland & Olinger,

128 E. Third St., CINCINNATI, OHIO.

Wholesale Growers and Shippers of Cut Flowers.

Greenhouses, NEW CASTLE, IND.

WM. C. SMITH & CO.

WHOLESALE FLORISTS.

Bell, Main 2018. Kinloch, Cent. 410.

1316 PINE ST., ST. LOUIS, MO.

H. G. BERNING,

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

RICE BROTHERS

Wholesale Florists and Supplies,

115 N. 6th St., MINNEAPOLIS, MINN.

CUT FLOWERS received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities.

Holton & Hunkel Co.

Wholesale Florists

Milwaukee, Wis.

ACACIA PUBESCENS $2.00 and $2.50 PER BUNCH.
THE CHOICEST NOVELTY ON THE MARKET.
THE LEO NIESSEN CO., Wholesale Florists, 1209 Arch St., Philadelphia, Pa.

Wholesale Cut Flowers Killarneys, Valley, Carnations in large lots at lowest market prices. Consignments solicited of Ivory, Maids and Beauties. Settlements Weekly.
Washington, D. C. JAMES J HARTY & CO., 1312 G St., N. W.

Philadelphia.

VALENTINE TRADE GOOD.

St. Valentine's Day business kept everyone on the move. It was one of the busiest days of the season outside of a regular holiday. The best sellers were violets, red carnations and red roses. All flowers appeared to be in good demand, however, quite a number of boxes of American Beauty roses with heart adornments making acceptable valentines. Pot plants also came in for a share in the demand and quite a number were disposed of for gifts of the day. In floral arrangements there was not much that was new brought out, heart shaped baskets and boxes seeming to be most popular. These, arranged with violets, forget-me-nots, lily of the valley, orchids, etc., sold very well. Pennock Bros. had a beautiful display of made-up work in their window. At the Sign of the Rose a feature was a collection of prints of popular love scenes in which cupid and his deadly arrow figured largely. These were mounted on larger red cardboards showing a wide red border, in honor of the day. They attracted a great deal of attention. Many, in fact all the leading stores made a point of decorating their windows with suitable flowers and baskets and found it profitable. Prices are softening a little. American Beauty roses are more plentiful and $6 is about high for the specials, with very choice stock going as low as $5; $12 is high for special teas; $15 for Killarney and Richmond. Killarney still gains in popularity and will surely put Bridesmaid out of cultivation. Violets are very plentiful and at the reduced prices are selling well; 75 cents is now high for the doubles. Bulbous stock is very plentiful and low in price, the best price in all of this class being $2 per 100 and often less; $3 is about high for lily of the valley.

NOTES.

Harry Van Koolbergen, of Ottolander & Hooftman, Boskoop, Holland, is in town with two new roses, one a hybrid tea, Otto Von Bismarck, a cross between La France and Caroline Testout which won the first prize, 3,000 marks, at the exhibition at Frankfort, Germany. This amount was put up in the hope that Frau Karl Druschki would win it, but this novelty proved to be of so much merit that it was a foregone conclusion as soon as they came together on the exhibition table. The rose is a strong grower of a beautiful shade of pink and likely to be a good forcing variety. Another novelty and a distinct break in color is the Veilschen Blau (Violet Blue) a hardy climbing rose with bright green foliage and a very strong grower of rambler type, bearing large clusters of flowers of a distinct violet blue. All who have seen the colored plate are much impressed with the possibilities of such a variety, which is a distinct break in color from anything yet introduced. It will undoubtedly be known as the Blue Rambler. Mr. Van Koolbergen starts for the west this week and will call on the principal nurserymen and rose growers to show plates of his novelties.

The Leo Niessen Co. is handling fine Acacia pubescens. This is a most beautiful flower, almost indispensable for fine work at this season.

A splendid assortment of fancy sweet peas is among the leaders.

John McIntyre is sending out daffodils by the thousand.

Wm. McKissick is busy with his stock of spring flowers. K.

Pittsburg.

BUSINESS IMPROVING.

After passing through about the worst week since the season opened, the market has toned somewhat and things are on a more even basis. The demand for white is still good owing to the large amount of funeral work. The utter lack of demand for medium priced colored flowers up until about Thursday caused the bottom to drop out of the market. Very fine stock went begging and then to the ash barrel. Roses fared better owing to the limited number coming in. St. Valentine's Day helped out considerably, especially on roses and sweet peas, while the usual big demand for violets took place. There were many poor ones on the market which caused considerable trouble. This event is getting more popular each year and florists certainly should take advantage of it by extensive advertising as it comes at a period when stock is generally plentiful and cheap. Lilies are in full crop, although not of best quality. All greens are again plentiful.

NOTES.

At the meeting of the Botanical Society of Western Pennsylvania held in Carnegie museum the evening of February 13, the general subject of the evening was "Mosses and Liverworts" as presented by the president, Otto E. Jennings. The lecture was illustrated by charts and specimens folded up in paper packets and distributed to the members. The meeting was well attended considering the weather and counter attractions. The speaker mentioned that there are about 8,000 species of mosses and 3,000 species of liverworts, and that many of the species occur in the old and new world. There are about 400 mosses and 100 liverworts in Pennsylvania. The sphagnum mosses were mentioned as often filling small lakes and ponds, forming first a quaking bog, and this later being often occupied by a tamarack forest. Sphagnumis very useful to the florist because of its great capacity for absorbing water, its thick leaves having large cells whose purpose it is to act as water reservoirs for the smaller food-manufacturing cells which make the moss so valuable to the florist.

A large table of flowering plants from the Phipps conservatory, together with a number of palms, added materially to the interest and enjoyment of the meeting. J. W. Jones gave an interesting talk on the different flowers exhibited, calling attention to a couple of fine specimens of yellow verbascum (known to florists as Celsia arcturus) and mentioning the somewhat poisonous properties of Primula obconica.

Chas. F. Edgar has returned to Philadelphia, Elmer Jolliff taking his place at The Pittsburg Florists' Exchange. This firm is handling baskets made of armadillo shells.

Mrs. E. A. Williams has leased her present quarters for another three years.

S. J. Hatch, De Haven, has added another grower to his force. J.

Boston.

EVERYTHING CHEAP.

A slight improvement has lifted the hopes of the discouraged florists. St. Valentine's Day, reflected pleasant views of prosperity and large quantities of stock were lifted from the market and disposed of at a remarkably rapid rate. The sentiments attached to the day itself with a large accompaniment of social functions presented an extensive demand for choice novelties and selected flowers. While this was only one period of brightness the addition of a few others combined to the successful accounting of the week. However, business is not what it should be at this time of the year. The weather has been variable, like the trade and, even to native New Englanders, rather puzzling. The cold weather showed its effect on stock, greatly to its advantage, and the present wave of warmth will increase the crops of the coming week, but not the quality, for such premature heat cannot but weaken it. The market is in a helpless condition, great quantities of bulb stock and carnations actually going to waste for want of any kind of a money offer. Buyers are gauging themselves by the

CARNATIONS.

Very low prices on large lots.

BULB STOCK.

The finest in this line at right prices.

PITTSBURG FLORISTS' EXCHANGE, Pittsburg, Pa.

NOW READY

to fill orders for AMERICAN BEAUTIES, LILY OF THE VALLEY, CARNATIONS, and all varieties of TEA ROSES in lots of one hundred to one thousand at short notice. Get our prices before ordering elsewhere.

WELCH BROTHERS, 226 Devonshire St., BOSTON, MASS.

Asparagus Plumosus Nanus Plants

From 2¼-inch pots.
$3.50 per 100, $30.00 per 1000.

W. H. ELLIOTT, Brighton, Mass.

Pittsburg Cut Flower Co.
(Limited)
WHOLESALE FLORISTS
222 Oliver Ave. PITTSBURG, PA.

CARNATIONS in quantity. Special prices on large orders.

ABSOLUTELY THE BEST POSSIBLE SERVICE.

W. E. McKissick
WHOLESALE FLORIST,
Business Hours 7 a.m. to 8 p.m. 1619-1621 Ranstead St., PHILADELPHIA, PA.

J. B. Murdoch & Co.
714 Penn Avenue,
PITTSBURG, PA.
All Seasonable Flowers.

Wanted to Buy
100 good second sash in the vicinity of Philadelphia.
JOHN W. McINTYRE,
1601 Ranstead St., PHILADELPHIA.

one day limit and hold aloof in spite of the temptations held out by desperate salesmen. American Beauty roses have not yet reached any sort of price. But slight demand is noticed or expected while the reign of abnormal prices last. Richmond, while as popular as ever is not in the best condition and traveling at much inflated value. Killarney has been the strongest supporter of the rose market, and, as such its credit has been greatly extended. An excellent line of Bride and Bridesmaid has also been appreciated. Violets, gardenias and orchids, with a splendid display of sweet peas, were universally popular for St. Valentine's Day messages, beside which from among an endless selection of new spring time novelties no trouble was found by even the most critical of buyers.

NOTES.

The next regular meeting of the Gardeners' and Florists' Club will take place at Horticultural Hall February 25. Owing to the various halls of the Massachusetts Horticultural Society being rented during the regular meeting week a postponement to the above date was necessary. The particular attraction of the evening will be a lecture on "Carnations," by Wallace R. Pierson of Cromwell Conn. This gentleman comes of the famous house which has achieved remarkable renown in the horticultural world and his talk is bound to be one of the most interesting and instructive of the season's list. This night will be devoted to carnations and a number of noted visitors have accepted invitations to be present among whom will be F. R. Pierson of Tarrytown, N. Y., and H. A. Jahn, New Bedford. An excellent exhibition of novelties in new and standard varieties of carnations is planned and growers are invited to send in anything of interest for the display.

Extensive preparations are on foot to make the exhibition of the Boston Cooperative Flower Growers Association, February 29, one well worth attending. A large assortment of valuable prizes has already been accepted and a large number is promised. Among the latest to be offered is a silver cup by James Wheeler, value $25, for the best display of a new violet. For the premier collection of sweet peas of Zvolanek origin a similar cup is offered by A. C. Zvolanek, Bound Brook, N. J. Two prizes, of $6 and $4, are offered by the F. R. Pierson Co., Tarrytown, N. Y., for the best vase of 25 Winsor carnations.

F. L. Hardy of Natick is cutting an excellent line of white and colored antirrhinums, which are among the most popular flowers in the market. Carnations and antirrhinums are the specialties of this establishment and the first of the large crop of the latter favorite is now just coming in.

John Fee, the famous bulb grower of the local market, is now among the busiest men of the city. With his endless collection of stock now completed and his matchless strain of Murillo tulips his stall is the center of the morning's business. B.

Wholesale Flower Markets

PHILADELPHIA, Feb. 19

Roses, Tea	6 00@ 8 00
" " extra	12 00@15 00
" Liberty	10 00@25 00
" Queen of Edgely, extra	50 00@75 00
" " " first	25 00@40 00
" Beauty, extra	50 00@75 00
" " first	25 00@40 00
Carnations	2 50@ 6 00
Lily of the valley	3 00@ 5 00
Asparagus, bunch	50 00
Smilax	15 00@20 00
Adiantum	1 00@ 1 50
Violets, single	50@ 75
" double	1 00@ 1 50
Cattleyas	50 00@60 00
Cypripediums	5 00
Lilium Harrisii	12 00@15 00
Mignonette	3 00@ 6 00
Sweet peas	75@ 1 00
Freesias	2 00@ 4 00
Gardenias	35@ 50

PITTSBURG, Feb. 19.

Roses, Beauty, specials	40 00@50 00
" " extras	25 00@35 00
" " No. 1	10 00@15 00
" " ordinary	6 00
" Bride, Bridesmaid	6 00@12 00
" Chatenay	6 00@12 00
" Richmond	6 00@12 00
" Perle	6 00
" Killarney	6 00@15 00
Carnations	1 50@ 3 00
Lily of the valley	3 00@ 4 00
Smilax	12 50
Asparagus, strings	50 00
" Sprengeri	3 00@ 4 00
Lilies	12 50@15 00
Adiantum	1 00@ 1 25
Violets	50@ 75
Cattleyas	60 00@75 00
Paper White Narcissus	2 00@ 3 00
Roman hyacinths	2 00@ 3 00
Sweet peas	5 @ 1 00
Tulips	2 00@ 3 00

BOSTON, Feb. 19.

Roses, Beauty, best	35 00@50 00
" " medium	20 00@25 00
" " culls	6 00@12 00
" Bride, Bridesmaid	1 00@ 2 00
" Extra	4 00@ 8 00
" Liberty	8 00@12 00
Carnations	1 00@ 3 00
" Fancy	3 00@ 5 00
Smilax	8 00@12 00
Adiantum	75@ 1 25
Asparagus	35 00@ 0 00
Harrissi	10 00@12 00
Callas	8 00@12 00
Stevia	1 00@ 1 50
Daffodils	2 00@ 4 00
Narcissus	1 00@ 3 00
Sweet peas	50@ 1 00

Columbus, O.

BUSINESS GOOD.

St. Valentine's Day trade reached far beyond the expectations of the local florists. Violets, lily of the valley and sweet peas, of course, formed the bulk of the orders. Between 5,000 and 10,000 violets were disposed of in this city. Floral hearts and heart-shaped baskets of violets and sweet peas proved quite popular. Bulbous stock is in fine shape and what is also very encouraging is the fact that the demand is equal to the supply. Of course funeral work, of which there is plenty just now, accounts for a great deal of this demand.

NOTES.

Owing to the great demand made upon it, the fern supply of our local fern man, George Bauman, has been entirely exhausted, making it necessary for local florists to be supplied from out of town.

A new florist has come to town in the shape of a bouncing baby boy belonging to John Williams, an east side grower.

Fifth Avenue Floral Co. and Graff Bros., both had a fine supply of violets on hand, both single and double.

Livingston Seed Co. had its window tastily decorated with floral hearts, baskets, etc., in profusion.

The Florists' Club will be entertained by Mrs. Griswold of Worthington February 25.

CARL.

New York.

EVERYTHING CHEAP.

St. Valentine's Day brought a lively trade in cut flowers, but it by no means cleaned up the wholesale district. Nobody seems to look forward to Lent with any forebodings, for it is not believed that conditions can grow any worse than they are at present. Carnations and very good ones at that, have sold as low as 50 cents per 100. It is not now a question of price, but simply to get rid of them. The last part of the week, the weather was mild and the street men again got busy. Roses, which have previously been doing a little better than other stock, are now in the general slaughter. Jonquils, tulips, lily of the valley, freesias and sweet peas, are in great quantity and of good quality, but there are no prices. Street men have been selling carnations, five in a bunch, at five cents per bunch, but Brooklyn has gone better—or worse—by selling bunches of 25 flowers for 15 cents. Violets, lily of the valley, carnations and jonquils, are all being sold on the streets, and under present conditions such results are inevitable. There is a moderate amount of table decorating being done, but with so much stock to choose from, no great reduction is made in any one surplus. Everything in the line of flowering shrubs that can be forced is now on the market and that is not improving conditions for the wholesale cut flower men. It must be acknowledged, however, that so much flowering shrubbery enables the retailers to make up very attractive windows. Richmond rose has been less affected by the slump than any other stock. It does not arrive in such large quantities, and, there being always a reasonably fair demand, holds up very well. St. Valentine's Day trade improved violet conditions for the time being, but it was only temporary. If the Rhinebeck growers believe that all the trade papers have been "fixed" in the interest of the wholesalers they have carte blanche to come to New York and investigate.

February 17.—The quantity of stock is very large; the week opens with favorable weather, but there is little prospect of a clean-up. The glut is greatest in carnations and bulbous stocks.

NOTES.

It is painful to reflect that in this great city there are thousands of people who know nothing of Lincoln or what he did. Other thousands know, but care not. A local paper thus comments:

In spite of the fact that it was Lincoln's birthday—that the day had been set aside to commemorate the life and death of the martyred president—his statue in Union square stood undraped and without even one floral offering on it until the attention of Sergeant F. F. Berger, of the twelfth regiment, who is a business man with offices on Union square, made good the deficiency with a small bouquet of flowers, which he placed in the hand of the statue.

It was in the early afternoon that Berger, passing through the square from his office, stopped to look upon the statue of the man in whose honor the day is named. Not a floral offering, not even a scrap of bunting or a copy of the flag he loved so well, was on the statue. To obtain a small bunch of flowers was the work of a few minutes and then Sergeant Berger placed them in the right hand of the statue, where they remained until nightfall, a tribute from a soldier to a dead leader.

A unique and attractive window decoration was recently noticed at Mrs. Scallen's Forty-second street store. The window was draped with long strings of Asparagus plumosus nanus decorated with jonquils. In the vases filled with jonquils, electric globes had been inserted and when the light was turned on the effect was very fine. The conception and execution was by Harry Lewy, now in charge of the store.

Meyer of Fifty-eighth street and Madison avenue has recently been making a very attractive sidewalk display in front of his store with large pot plants of forsythia. He had a good St. Valentine's Day business, sending out many boxes of cut flowers.

Wm. P. Craig, of Philadelphia, Pa., visited the wholesale district on February 13. He was accompanied by a member of the wholesale firm of Berger Bros. of that city. Mr. Craig continues to have strong faith in the rose, Mrs. Jardine.

Thorley's, Fifth avenue and Forty-fifth street, are showing one of the finest lots of Adiantum Farleyense, that can anywhere be found. It is Mr. Thorley's pride, that he knows where the best of everything can be found on short notice.

George M. Stumpp's expert window decorator is again to the front with an orchid window. He has created an imitation clump of dead trees which are thickly fringed with mosses and lichens and studded with cypripediums.

The genial Tom Jackson, of the New York Cut Flower Exchange, is sorry that the growers are not getting higher prices, but he has not time to worry over it as he is kept busy disposing of the surplus stocks.

Thomas Roland, of Nahant, Mass., was in the city February 11. He visited the F. R. Pierson range at Scarborough, and was much impressed with the great crop of Winsor and other carnations seen there.

Robert M. Schultze, of Madison, N. J., came down on February 15 to attend a meeting of the banquet committee of the Florists' Club. "Bob" is an indefatigable worker in the interest of the club.

Chas. A. Dards is showing a splendid line of flowering plants, noteworthy, being fine specimens of rhododendrons and snowballs; the last named are the first and best that have yet appeared.

The new store of Millang Bros., 43 West Twenty-eighth street, seems to be a success from the start. A large and attractive stock is always on hand, providing you are early.

Hanft Bros. will on March 1 remove from their present location, Fifty-eighth street and Madison avenue, to a larger store at Sixty-second street and Madison avenue.

Wadley & Smythe's is one of the busiest retail stores in the city. They seem to retain the trade of the smart set of Newport, when it return to New York.

David W. Howells, a well known designer and decorator, is now in charge of the floral work at the Cafe Martin, Twenty-Sixth street and Broadway.

A large bank of primroses and flowering quince have recently been attracting much attention to the windows of J. H. Small & Sons' Broadway store.

President Traendly of the Society of American Florists, will attend the rose convention and exhibition at Chicago in March.

Victor J. Prato has succeeded Arthur Merritt as manager of the Thorley store at Eighty-sixth street and Columbus avenue.

Herman Warrendorff showed some very attractive St. Valentine's Day specialties which sold well.

KNOXVILLE, TENN.—The Peters Nursery Co. has applied for a charter to incorporate, capital $25,000.

Davenport, Iowa.

The Tri-City Florists' Society held a well attended meeting February 14, with John Staack of Moline, Ill., nearly every member being present. The meeting was addressed by N. J. Rupp, of the John C. Moninger Co., Chicago, who spoke at length on "Modern Greenhouse Construction." The main discussion of the evening was on "Preparation of Easter Stock. One new candidate was admitted to membership.

The committee which has charge of the annual banquet submitted a report in which the date of the banquet was changed to March 19. The date previously arranged was found to be unsatisfactory, owing to the fact that the National Rose Society meets in Chicago at this time, and several local florists intend to be present. The banquet will be held at the Manufacturers' hotel in Moline, Ill.; $2.50 is the price per plate. Visiting florists are invited to attend.

The nomination of the officers for the coming term took place, and practically all the old officers were chosen. The election will take place at the March meeting, which will be held at the home of Harry Bills, of the Bills Floral Co., Davenport, on the evening of March 12. Following the business meeting a lunch was served by the host, and a smoker and social time enjoyed.

N. J. Rupp, of the J. C. Moninger Co., Chicago, has contracted for the following greenhouses: Henry Gaethje, Sr., Rock Island, two houses, 29x100 ft.; Ludwig Staapp, one house, 27x100 ft.; John Brookman, of Moline, two houses for vegetables; Harry Bills, of Davenport, one house, 27x50 ft.

Mrs. Julius Staack and Mrs. Henry Gaethje are both on the sick list. Henry Gaethje and wife recently celebrated their silver wedding. Here's that they both may live to celebrate their golden wedding.

Fire broke out in the boiler shed at Miss Waltman's place, but the quick work of her foreman saved the place from destruction.

Theo. Ewoldt has addressed several of the farmers' institutes around here on "Flowers for the Home."

John Umples will visit Chicago during the annual meeting of the American Rose Society.

Chas. Hummel will build this summer and install a new heating plant.

T. E.

DALLAS, TEX.—The Woman's Forum has decided to make the chrysanthemum show an annual event in future.

D. Smith & Co.
Wholesale Florists,
111 West 28th Street,
New York.
Mention the American Florist when writing

FRANK MILLANG,
Wholesale Commission Dealer in
CUT FLOWERS
55-57 W. 26th Street, Coogan Building. **NEW YORK.**
Telephone call, 299 Madison Square.
Mention the American Florist when writing

N. Y. Cut Flower Exchange
Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable Wall Space to Rent for Advertising.
V. S. DORVAL, JR., Secretary.

Traendly & Schenck,

WHOLESALE FLORISTS,

44 West 28th Street, Phones, 798 and 799. New York City.

Alexander J. Guttman,

THE WHOLESALE FLORIST OF NEW YORK
43 WEST 28th STREET
PHONES, 1664-1665 MADISON SQUARE
ENOUGH SAID

J. K. ALLEN,

Wholesale Commission Florist.

Consignments Solicited.

Open every day at 6:00 a. m. Telephone, 167 Madison Square.

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WHOLESALE FLORISTS.
54 West 28th Street, NEW YORK
Consignments of Choice Cut Flowers Solicited. Prompt Payments. Give us a Trial. Telephone 3559 Madison Square.

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Are the best product of the best growers for the New York Market.
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All flowers in season. Consignments of first-class stock solicited.
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Opposite N. Y. Cut Flower Co.
Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best Prices. Satisfaction guaranteed. Tel. 4878 Madison.

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PLANTSMAN AND FLORIST

53 W. 30th St., NEW YORK.

Out of town orders a specialty.
Telephone 2083 Madison. Consignments solicited.

Wholesale Flower Markets

NEW YORK, Feb. 19.

Roses, Beauty, special	40 00@50 00
" " fancy	30 00@35 00
" " extra	20 00@25 00
" " No. 1	8 00@15 00
" " Nos. 2 and 3	1 00@ 6 00
" Richmond	2 00@20 00
" Bride, Bridesmaid, G. Gate Special	8 00
" No. 1	3 00@ 5 00
" No. 2	1 00@ 2 00
Carnations, fancy	2 00
" common	50@ 1 00
Lilies	5 00@ 8 00
Lily of the valley	1 00@ 1 50
Asparagus plumosus strings	30 00@50 00
" per doz. bunches	2 00@ 3 00
Smilax	8 00@10 00
Cattleyas	35 00@50 00
Cypripediums	4 00@ 5 00
Violets	20@ 50
Gardenias	5 00@20 00
Callas.....per dozen	1 00@ 1 50
Paper White Narcissus	50@ 1 00
Roman hyacinths	50@ 75
Mignonette.....per doz.,	50@ 75
Jouquils	50@ 1 50
Sweet peas	50@ 1 00
Tulips	75@ 1 00
Freesias	40@ 50
Lilac	40@50 per bunch
Snapdragon	3 00@ 4 00

Charles Millang. August Millang.

MILLANG BROS.

Wholesale Commission Florists,

41 West 28th Street, Telephones 3860-3861 Madison. New York.

Thomas Young Jr.

WHOLESALE FLORIST,

500 5th Ave., NEW YORK.
Telephone: 847 Bryant.

Orchids

The largest importation of Orchids ever received in this country will arrive next spring from Brazil, Venezuela and Colombia. If you intend putting in a stock wait for these to arrive and we will quote you the lowest prices in America.

ORDONEZ BROS.

Madison, N. J.

HORACE E. FROMENT

WHOLESALE COMMISSION.

American Beauty Roses a Specialty. Roses, Violets, Carnations, Valley, Lilies, Etc.

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Telephones: 2200 and 2201 Madison Square.

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WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

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Moore, Hentz & Nash,

Wholesale Commission Florists,

55 and 57 West 26th Street,

Telephone No. 756 Madison Square. New York.

Orchids!

Orders booked now for delivery 1908 of all the leading kinds of Orchids at greatly reduced prices. We have also just received the following: Oncidium tigrinum, O. sarcodes, O. Forbesii, Sophronitis grandiflora and coccinea. Write us.

Lager & Hurrell, Summit, N. J.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World.

SANDER, St. Albans, England.

NEW YORK OFFICE: Room 1, 236 Broadway. T. MELLSTROM Agent.

...ORCHIDS...

Arrived in superb condition: C. Trianæ, C. Mossiæ, C. labiata, C. Schroederæ, C. speciosissima, C. citrina, C. intermedia, C. Gaskelliana, Laelia anceps, L. albida, L. majalis, L. autumnalis, Oncidium crispum, O varicosum, O. Cavendishianum, O. luridum, Epidendrum vitellinum majus, E. Cooperianum, Odonto. citrosmum. To arrive in a few weeks time: C. aurea, C. Dowiana, C. Warneri, Miltonia vexillaria.

CARRILLO & BALDWIN, Secaucus, N. J.

Write at once for our quotations
—ON ALL—

Orchid Importations

FOR 1908 DELIVERY.

JULIUS ROEHRS COMPANY.

The Orchid Nurseries RUTHERFORD, N. J

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

Albany, N. Y.

The next meeting of the Florists' Club is scheduled to be held at the Hotel Belvedere, 39 Beaver street, February 25. The members of the club anticipate a beefsteak supper and a joyous night. Preparations are being made for 100 guests. Among the number expected are several of the well known violet growers at Rhinebeck, Poughkeepsie, and other points down the Hudson. Hon. John A. Howe, Jr., formerly county treasurer, a friend of the club, has been asked to preside as toastmaster. Mr. Howe for some years has enjoyed a great reputation in this section as a reciter and speaker, and it is anticipated that the feast of reason will be equal to anything else that the committee has arranged to place on the programme. At the last meeting of the club Charles Limmer, a well known florist of Schnectady, and Edwin Sexton, of Elsmere, were admitted to membership.

The number of social functions thus far this season has been about equal to that of the past. At all of these floral decorations have been a feature. In addition to these private affairs this city has had several important conventions, the closing feature of which in most cases has been a banquet for which floral decorations of one kind or another have been in demand. On February 19 the annual dinner of the republican organization of Albany county was held in Odd Fellows' hall. About 400 guests were present. The floral decorations were by Eyres who used southern smilax and palms for decorating the balcony, laurel roping from the central electrolier in the dining hall to the corners of the room and palms, ferns, azaleas and lilacs upon the stage. A feature of note was a number of small rustic lanterns, each containing an incandescent electric light, suspended from the laurel roping at intervals. The tables were decorated with flowering plants, smilax on the cloth and at each plate was a buttonhole bouquet of Lawson carnation.

Louis Menand, of Cemetery avenue, is happy on account of the recent installation of a new Lord & Burnham sectional hot water boiler of the largest size. The boiler was installed just in time to help out in the recent severe cold spell, when the thermometer dropped to 16°. The boiler is in addition to the one installed by the same firm a few years ago, when the house was built.

Thomas Knight, of the new firm of Knight & Struck, Metropolitan building, New York, was a recent visitor in the local trade among whom he is well known. R. D.

WYOMISSING, PA.—Frank Shearer has commenced building another greenhouse on the north side of the present range.

LYNN, MASS.—Minnie C. Wilson has opened a new florist's store in the Touraine building, 18 South Common street. Miss Wilson was head designer for Quinlan Bros. for a number of years, and upon severing her connection with that firm, decided to embark in business for herself.

ALLEGHENY, PA.—H. L. Blind and Co. have purchased the Goettman property on Center avenue. There is a brick residence on the lot, and the latter measures 75x200 feet. The purchasers will put up a store and greenhouse on the premises, work to begin on the construction of these about April 1.

The Geo. Wittbold Co.
1657-1659 Buckingham Place, CHICAGO.
The only retail florist in Chicago who grows his own cut flowers.
Funeral Work Orders Our Specialty

Detroit, Mich.
John Breitmeyer's Sons
Cor. Miami and Gratiot Aves.
Artistic Designs.
High Grade Cut Blooms.
We cover all Michigan points and good sections of Ohio, Indiana and Canada.
Mention the American Florist when writing

Omaha, Neb.
Hess & Swoboda,
FLORISTS,
1415 Farnum St. TELEPHONES 1501 and L 1582

Kansas City, Mo.
Samuel Murray
...FLORIST...
1017 Broadway Coates House Conservatory
Both Phones 2670 Main.
Write, Telephone or Telegraph. All orders given prompt attention.

Los Angeles, Cal.
J. W. Wolfskill,
FLORIST,
Telegraph Orders a Specialty. 218 W. 4th St.

Boston, Mass.
HOUGHTON & CLARK,
FLORISTS
Telephone Connection. 396 Boylston St.

Seattle, Wash.
Woodland Seed & Floral Co.,
808 Second Avenue,
Will fill all orders for Cut Flowers, etc. for steamers for Japan and Alaska or any part of the Pacific coast. A. L. AABLING, Gen. Mgr.

Louisville, Ky.
JACOB SCHULZ,
644 FOURTH AVENUE.
Cut Flowers of BEST QUALITY in season, delivered promptly to any address.
Write, Telegraph or Telephone
Cumberland and Home Phones 223 and 984

Nashville, Tenn.
Joy Floral Co.,
610 CHURCH STREET,

Atlanta, Ga.
ATLANTA FLORAL CO.
41 PEACHTREE STREET.

Brooklyn, N. Y.
Robert G. Wilson
Fulton St. and Greene Ave.
Greenhouses: Short Hills, N. J.
— Deliveries in —
Greater New York, Long Island and New Jersey.
Trade orders from all parts of the country filled for delivery at residence, steamer, hotel, or theater on wholesale basis. Satisfaction guaranteed. Wire or telephone.

New York.
WILLIAM H. DONOHOE
No. 17 E. 28th Street,
Between 5th and Madison Aves.
Long Distance Phones 3034-3035 Madison Square.
Write wire or telephone your orders.
Personal attention assured. Prices always right.

Galveston, Tex.
Mrs. M. A. Hansen
—FLORIST—
Special attention to Telegraph or Telephone orders. 'Phone 1912.

St. Paul, Minn.
HOLM & OLSON,
ST. PAUL.
THE LEADING FLORISTS OF THE NORTHWEST
Orders will be well cared for anywhere in MINNESOTA AND THE DAKOTAS.

Washington, D. C.
Blackistone
14th and H Streets.

Rochester, N. Y.
J. B. KELLER SONS,
FLORISTS.
25 Clinton Avenue, N.
Rochester Phone 506. Long Dis. Bell Phone 2189.

New Orleans
CUT FLOWERS
For Tourists and General Trade.
Wire or mail. Highest Grade Stock Only.
URIAH J. VIRGIN, —838— CANAL ST.

Denver, Colo.
FLORAL DESIGNS AND FLOWERS
Best Quality on Shortest Notice
DANIELS & FISHER
Order by mail, telephone telegraph or cable. Cable address: "Daniels, Denver."

Cincinnati.

CARNATIONS A GLUT.

A wonderful change can transpire in the florist's business in 24 hours. Take the past week as an example. On Monday morning business opened up with a brisk demand for stock and by evening all the wholesale houses were cleaned out of roses, carnations, lily of the valley and violets. On Tuesday the long-expected big cut of carnations started to come along and by Thursday they were to be had by the thousand. One grower informed the writer if need be he could cut 25,000 blooms. St. Valentine's Day was a disappointment owing to the incessant rains. Violets were shipped in on this day by tens of thousands in a lot and it was simply an impossibility to move one half of the double received. Good single violets, home grown, proved an exception, these selling out at good figures, but as before stated, the shipped in stock simply was a glut. Early in the week every buyer wanted to place orders for a goodly number of violets, but the commission men were not inclined to book many orders as the growers only promised a given number. When the boxes arrived on Friday every grower had either doubled or trebled his promised number, and consequently the market went to pieces; the price dropping to 300 for $1. Bulbous stock is a glut, especially Von Sion narcissus and yellow tulips. Lilium Harrisii and callas are coming along in larger quantities but are all taken up at good prices. Another redeeming feature is the good demand for roses, which are fine in quality and larger in quantity. Asparagus, plumosus and Sprengeri is in good demand and supply. Smilax is a little too plentiful, but fine in quality. There is a good sale of florists' supplies.

NOTES.

Wm. Murphy has just completed another house, 30x200 feet, which will be used for the young stock at present. He will, on March 1, turn the greenhouse end of his business over to his son Ray and his son-in-law, devoting his entire time to his constantly increasing business at the wholesale house. The new firm will discontinue the growing of roses, and will plant the entire range of glass, consisting of 60,000 square feet, to carnations. By the way, Will has a new rose that he will sell to a good party at a price which will be satisfactory.

Hardesty & Co.'s window display of violets for St. Valentine's Day was a beauty, their stock of Prince of Wales being exceptionally fine. Mr. Hardesty stated that the stock displayed in the window cost him an even $100.

Albert McCullough is on his annual vacation. He is fishing in the gulf of Mexico, and his present address is Fort Meyer, Fla. S.

BUFFALO, N. Y.—A new greenhouse is to be erected in Humboldt park, which will be a great improvement.

Mobile, Ala.

Chatogue Greenhouses

TWO ACRES UNDER GLASS. ONLY HIGH CLASS FLORAL WORK SOLICITED.

Orders to be delivered at short notice in or near Mobile or New Orleans will be executed with fresh stock from our mammoth plant by our own artist at Mobile, or **Mr. U. J. Virgin, New Orleans.** Orders by telegram at our expense. Address

F. P. DAVIS, Mobile, Ala.

Reference, R. G. Dun & Co.

ASPARAGUS, BOSTONS, AZALEAS,

Plumosus Nanus, 2½-in., $3.50 per 100, $30.00 per 1000; 3-in., 6c; 3½-in., 10c; 4 in., 12c; 5 in., 20c; 6-in., 30c. Comorensis, 2-in., 2c; 2½-in., 3c; 3½-in., 6c. Sprengeri 2½-in., 3c; 3½-in., 8c; 4-in., 10c.

Bostons, 2½-in., 4c; 3-in., 8c; 4-in., 15c; 5-in., 25c; 6-in., 40c; 7-in., 65c; 8-in., $1.00 to $1.50; 10-in. $1.50 to $2.00.

Azaleas. We are now booking orders for Xmas delivery. Write for prices. Our stock is the best in the west and well budded too.

Long Distance Bell Phone, Lackland. Long Distance Kinloch Phone, Creve Cœur.

Terms Cash. **J. W. DUNFORD,** St. Louis County, **Clayton, Mo.**

Cut Flowers or Designs

Will be delivered for the Trade on Wire or Mail. Orders in Best Qualities and Prices.

St. Louis, Mo.

Fred C. Weber,

FLORIST.

Established 1873. Bell, Lindell 676. **4320-4328 Olive St.**

San Francisco, Calif.

J. B. Boland Co.

Successors to Sievers & Boland.

FLORISTS,

47-49 Geary Street.

Cleveland, O.

The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in **NORTHERN OHIO.**

New York.

MYER, FLORIST,

609-611 MADISON AVE.

Phone 5297 Plaza.

WASHINGTON D. C.

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Gude's.

GUDE BROS. CO. FLORISTS 1214 F ST. N.W. WASHINGTON, D.C.

St. Louis, Mo.

WRITE, WIRE OR PHONE YOUR ORDERS TO

YOUNGS,

1406 Olive Street.

Regular discount allowed on all orders, either Plants or Cut Flowers.

Phones Bell, Main 2306. Kinloch, Central 4981.

Dayton, O.

Matthews,

—FLORIST—

16 W. 3rd Street.

Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones

Chicago.

HAUSWIRTH FLORIST

M. C. and J. E. Hauswirth.

Auditorium Annex.

Mail, telegraph or telephone orders filled promptly in best style.

Kansas City, Mo.

WILLIAM L. ROCK Flower Co.,

Will carefully execute orders for Kansas City and any town in

Missouri, Kansas or Oklahoma.

Mention the American Florist when writing

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in **WISCONSIN.**

Mention the American Florist when writing

Indianapolis, Ind.

Bertermann Bros. Co.

FLORISTS

.....241 Massachusetts Ave.

Albany, N. Y.

EYRES

Flowers or Design Work.

DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER

11 NORTH PEARL STREET,

Denver, Colo.

The Park ...Floral Co.

J. A. VALENTINE, President.

Muskogee, Okla.

The Muskogee Carnation Co.

Wholesale and Retail in Cut Flowers.

We grow all our own Cut Flowers. Funeral work orders our specialty. Wire or mail order. Prompt attention.

Kansas City, Mo.

GEO. M. KELLOGG,

906 Grand Avenue,

KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for **Cut Flowers, Funeral Designs, Wedding** and **Birthday Gifts** that may be entrusted to them.

Buffalo, N. Y.

Palmer's

W. J. Palmer & Son, 304 Main St.

The Seed Trade.

American Seed Trade Association.
Geo. S. Green, Chicago, Pres.; M. H. Duryea, New York, First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-sixth annual convention, June 23 to 25, at Hotel Ponchartrain, Detroit, Mich.

VISITED WASHINGTON, D. C.—Chas. P. Braslan, San Jose, Calif.

CHICAGO.—Kirkeby & Gundestrup report a lively trade in onion sets.

LEM BOWEN of the D. M. Ferry Co. is in the California seed growing districts.

VISITED EVANSVILLE, IND.—Paul Hallbrooks, representing Livingston Seed Co., Columbus, O.

NEW YORK.—Chas P. Braslan is making an eastern trip, his present address being Waldorf Astoria hotel.

ST. PAUL, MINN.—A. Mathers, formerly with a Milwaukee seed house, is now with L. L. May & Co. here.

DES MOINES, IA.—The Guthrie-Lorenz Seed Co. has started in the seed business at 420 Sixth avenue.

NEW ORLEANS, LA.—Recent trade visitors include Rice's, Landreth's, Morse's, Vaughan's and Barnard's representatives.

FLORAL PARK, N. Y.—J. S. Henrickson of John Lewis Childs, is on the sick list. E. V. Hallock is busy with mail orders.

ONE onion set grower at Chicago will plant 20 acres with red Wethersfield onion bulbs this year to grow seed for his own use.

CHICAGO.—Vaughan's Seed Store reports mail trade good, an increase in the size and number of vegetable seed orders being notable.

HARRY PAPWORTH, New Orleans, La., says Phoenix Roebeleni is one of the few new things that do well in stores and dwellings.

VISITED CHICAGO: W. J. Fosgate, Santa Clara, Calif.; C. P. Braslan, San Jose, Calif.; F. L. Henry and Robt. Fulton, New York.

CHICAGO.—President Green of the American Seed Trade Association will visit Detroit soon in connection with the coming convention.

NASHVILLE, TENN.—Wood, Stubbs & Co. have a branch at this place, and are located at 312 Second avenue, north. W. B. Ewing is manager.

CLARINDA, IA.—The A. A. Berry Seed Co. is now incorporated. Mr. Berry has been ill. He will devote more of his time to his seed farm.

SEVERAL western onion set growers will reduce their acreage in the face of scant seed supply and high prices for seed they would have to purchase.

THE Albert Dickinson Seed Co., Chicago, is sending out a handsome sign hanger of metal with colored lettering exploiting their famous "Pine Tree Brand."

Braslan Seed Growers' Co.
Growers for the Wholesale Trade Only.
SAN JOSE, CAL.

SEATTLE, WASH.—There will not be enough onion seed grown in this state for local use the coming season, according to present outlook.—THE CHAS. H. LILLY CO.

JAPANESE lily bulb prices for 1908 crop, longiflorum and others, are somewhat easier than last year, though large sizes of Lilium giganteum and L. album are scarce.

NEWARK, CALIF.—The Braslan Seed Growers Co. is planting a considerable acreage of seed crops in this section this year. C. C. Morse & Co. have given up their growing station at this place.

LOUISVILLE onion set dealers claim to have made recent carload sales in Chicago, but this is difficult to verify. It is believed, however, that some Chicago houses are oversold.

GRAND RAPIDS, MICH.—Geo. S. Brown, representing the A. J. Brown Seed Co., is now arranging for buying agencies in various parts of the state for beans, grass and other seeds.

IT is a little surprising what lots of ancient onion seed are in existence, a western house lately offering over 1,000 pounds, four kinds sorted, a careful test of which gave the germination as .01 per cent.

THE RAMBLERS, a social club formed about six years ago and who meet for an annual dinner at the canners' convention, gathered to the number of 60 last week in Cincinnati; a royal good time was had.

JESSE E. NORTHRUP is taking a vacation trip on the Pacific coast. He originally intended going on with friends to Hawaii, but has given up that extended trip and is now quartered at the Hotel Angeles, Los Angeles.

TORONTO, ONT.—Our mail trade for February is considerably ahead of last year, approximately 10 per cent. We do not note any special variation in the demand over previous years for vegetable and flower seeds.—STEELE BRIGGS SEED CO.

SAN FRANCISCO, CALIF.—C. C. Morse & Co. report trade running better than 1906, but it is not fair to compare it with 1907, owing to serious conditions there. Orders are running about the same proportion as usual of vegetable and flower seeds.

LOUISVILLE, KY.—We have not figured out our February business as compared with last year, but the January business is about 20 per cent ahead of the business a year ago, and we think February will run equally as well if not a little better.—WOOD, STUBBS & CO.

PHILADELPHIA, PA.—W. A. Dennison and bride, the seed grower of Ellisburgh, N. Y., were visitors last week. D. and Fred Williams are the only growers now left in Jefferson county of the large number formerly operating there; all the rest have gone west or are out of it.

BOSTON, MASS.—W. W. Rawson & Co. say that while their orders to date in number are fully 40 per cent larger, the average so far is under former years, so that the trade in volume is running about even. It is a little early yet for the better class of orders in this vicinity.

JANESVILLE, WIS.—With the changing of the firm name from Walter Helms to the Helms Seed Co., this old established concern with headquarters on South Main street passes into the third generation of Helms as direct manager. It was first established 41 years ago by the father of Walter Helms, was handed down to him and now he turns the management to his son Edward.

DENVER, COLO.—Adrien Traverse is now located at 1427 to 1431 Wazee street making a specialty of fancy vegetable seeds for market gardeners. Mr. Traverse has been directly or indirectly connected with the seed business on Wazee street for the past 32 years and is probably the oldest active seedsman in the city, having sold bulk seeds in Denver in 1876, within a half block from his present location.

OHIO seed dealers continue in trouble over the proposed action by the legislature in a bill introduced by Frank Wood, of Medina. Cleveland dealers are now taking an active interest in opposing this bill. The Kelly Seed Co. of that city in a protest states as follows: "With this law in force no clover seed can be handled except in the immediate vicinity of the farm where it is grown. No one but the actual grower knows whether it is medium or mammoth and he alone can guarantee it."

HARRISBURG, PA.—The first days of February were slow, probably owing to the cold windy weather, but now, February 11, we are running ahead of last year. It is rather early to make comparisons as to relative sales of vegetable and flower seeds. We are running an advertisement for moving catalogues in one paper, asking 10 cents remittance and have received over 400 applications from one insertion, which cost us only $21. We are having a good sale of small tools and supplies.—HOLMES SEED CO.

THE onion seed situation for next year is certainly much mixed. Some seed houses will own onion seed on their advance three or five-year contracts at a cost of 40 to 50 cents per pound, while others will own seed contracted for in October last at 60 to 75 cents per pound. Still other seedsmen will make contracts on the present basis of $1 to $1.15 for yellow and red. The question arises at what price will these various owners of low and high priced seed

Rogers Brothers,
SPECIALTY GROWERS.
Purest Strains GARDEN PEA and BEAN SEED.
For the Wholesale Trade. ALPENA, MICH.
Mention the American Florist when writing

To the
Jobbing Trade Only
WM. HAGEMANN & CO.
ITEMS:
French Bulbs,
Japan Lilies,
High Class Valley,
Lilium Harrisii.
Booking Orders Now.
55 Dey St., NEW YORK.

see fit to offer same in their catalogues of 1909.

DES MOINES, IA.—Iowa Seed Co. finds the increase in the number of orders for January moderate, but in value about 20 per cent gain. February so far shows an increase in the amount of money received but a slight decrease in the number of orders. There is an indication of heavy demand for dormant roses, hardy shrubs and plants. The number of inquiries for catalogues is with them larger than ever before, two days mail showing an average of over 4,500 pieces. Dealers orders to date are very light.

SIOUX CITY, IA.—The Sioux City Seed & Nursery Co., is asking for a temporary injunction and that it may be made permanent against the Sioux City Bird and Seed Store, (L. C. Wertz) on the ground that the names are so similar that customers of the former company are liable to be misled and take their business to the latter. The former business was established in 1889, while the latter was established about three years ago, and is said to have profited by reason of the similiarity of the names. In addition to the injunction $1,000 damages are asked. Judge Hutchison ordered the temporary injunction issued provided that bonds for $5,000 were filed.

Holland Representatives in Chicago.

Registered here the past week were: C. Fred Beerhorst, of Beerhorst & Son Co., Sassenheim; Henry Van Zonneveld and John Van Zonneveld, of Van Zonneveld & Co., Sassenheim; John C. Hillebrand and J. Keur, of Keur & Son, Hillegom; B. D. Kapteyn, of Gt. Van Waveren & Kruijff, Sassenheim; John Tegelaar, of Guldemond & Son, Lisse; John Vandermey, of Veldhuizen, Van Zauten & Son, Lisse; John Van Leeuwen, of L. Van Leeuwen & Son, Sassenheim; H. De Wilden, of Warnaar & Co., Sassenheim; W. Taat, of M. Van Waveren & Son, Hillegom; John Bokman, of De Graaff Bros., Leiden; J. A. Van der Voort, of C. J. Spielman & Son, Sassenheim.

Imports.

During the week ending February 15, 1908, imports were received at New York as follows:

Vaughan's Seed Store, 40 cases lily of the valley crowns, 20 pkgs., three bags seed.

Davies, Turner & Co., 153 pkgs. seed, two bbls. seed, two pkgs. flower seeds.

P. Henderson & Co., 20 bags seed, one cask seed.

J. M. Thorburn & Co., seven bags seed.

Frank H. Darrow, two cases seed.

Binghampton Seed Co., 1 case, one bbl. seed.

McHutchison & Co., 53 cases plants.

To others: 128 pkgs. plants, 38 cases plants, 483 pkgs. seed, one cask seed, 1,013 bags, 1,100 pkgs., 100 bbls. clover seed, 1,095 pkgs millet seed.

Iowa on Adulterated Seeds.

State Food and Dairy Commissioner Wright, Des Moines, Ia., has issued the following circular explaining the law relative to seed adulteration:

"The law of this state regulating the sale of agricultural seeds includes all the varieties of grass seeds, forage plants and the cereals. It prohibits the sale of agricultural seeds if any seeds of the following weeds are present: Wild mustard or charlock, quack grass, Canada thistle, wild oats, clover and alfalfa dodder, field dodder or corn cockle. The only exception to this prohibition is the sale of seed for export outside the state, and sales by the grower upon his own premises for seeding by the purchaser.

"Other weed seed, sand, chaff, dirt or broken seeds or seeds not capable of germinating are classed as impurities, and when present in an aggregate of more than two per cent the seeds may be legally sold only when tagged or labeled to show the percentage of each impurity present.

"There are special provisions of the statute defining adulteration of blue grass, orchard grass, red clover, and rape seeds; also prohibiting the sale of seeds not true to name. Standards of purity and germinability are established and penalty fixed for sale of seeds not conforming to the standard. Such seeds may be sold if labeled to show percentage of purity and germinability.

"The statute requires the food and dairy commissioner to cause to be analyzed any sample of agricultural seed submitted to him. A fee of 50 cents for each sample is fixed. A competent man has been secured for this work and returns can be promptly made. The importance of sale and use of good seed, free from weeds, is so great that dealers and purchasers can well afford to use every effort to keep and use only that which conforms to the law. Growers of seed should take notice that this law will be enforced and that clean, pure seed will be at a premium."

L. L. May & Co., St. Paul, Minn.

Our illustration shows the seed warehouse recently erected by L. L. May & Co., of St. Paul, Minn., on Como avenue, of that city. It is thoroughly fireproof, being built entirely of reinforced concrete. The floor area is 50,000 square feet. Its railroad facilities for loading and unloading cars are excellent, the seed being conducted from car direct to the bins by means of chutes, the capacity being 500 bags a day.

Three packet making machines, whose capacity is 150,000 packets a day, and three packet filling machines, with an equal capacity are kept working continually. The first floor is given to the filling of bulk orders in the wholesale seed department, and to the large catalogue department. The second floor is devoted exclusively to the filling of packet orders. The basement is used for the storing of seed for the wholesale trade and there are installed the engines, dynamos and heating plant. This heating plant forces the steam to heat the firm's greenhouses (buildings covering a block and containing 75,000 square feet of glass) through tunnels under two streets. The boilers are equipped with Murphy stokers which give great satisfaction in doing away with the smoke nuisance, as well as in proving fuel savers of a good order.

VAN ZANTEN BROTHERS
Royal Netherlands Bulb Nurseries and Export Trade.
HILLEGOM, HOLLAND.
Wholesale growers of the leading sorts of Hyacinths, Tulips, Narcissus Crocus, Spiræas, Gladiolus, Pæonies, etc., etc. We further ask your attention to our superior quality and special prices of French Bulbs, Roman Hyacinths, Paper White Gr., etc. Ask quotations from our traveler
MR. G. HYLKEMA,
care of Messrs. Maltus & Ware,
14 Stone St., NEW YORK.
Who will also send you, on demand, catalogue and special prices of all
HOLLAND BULBS AND PLANTS.

S. M. ISBELL & CO.
JACKSON, MICH.
Contract Seed Growers,
Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.
Correspondence Solicited.
Write for Prices on Surplus Stocks for Immediate Shipment.

H. WREDE,
LUNEBURG, GERMANY.
PANSY SEED
175 First Prizes, the highest awards Chicago, Paris, London, Dusseldorf.
1000 Seeds, finest mixed....25c
1 oz. " " " ..$2.25
Price List on application. Cash with order.

Waldo Rohnert
GILROY, CAL.
Wholesale Seed Grower
Specialties: Lettuce, Onion, Sweet Peas, Aster Cosmos, Mignonette, Verbena, in variety.
Correspondence solicited.

C. C. MORSE & CO.
SEED GROWERS
Address all communications to our permanent address
48 to 56 Jackson St., SAN FRANCISCO.
ONION, LETTUCE, SWEET PEAS, and other California Specialties.

Peas and Beans
Alfred J. Brown Seed Co.,
GRAND RAPIDS, MICH.

W. J. Eldering & Son,
Wholesale Bulb Growers and Dealers.
OVERVEEN. HAARLEM. HOLLAND.
Headquarters for High Grade Hyacinths, tulips and Narcissi. We do not sell at Retail. Write for special quotations on large quantities.

Heller's Mice-Proof Seed Bin No. 1783-B.

Heller's Mice-Proof Seed Cases and Bins
Send for Circulars.
Heller & Co.
Montpelier, Ohio, U. S. A.

FORMOSA LILIUM LONGIFLORUM
Ends the growers' trouble; absolutely free from disease.

This building was commenced in July and completed in December. About a block distant from it are the greenhouses wherein are grown the flowers for the retail trade and 30 men are kept busy at this all the year around. There are 25 houses and these are crowded with all manner of plants, from American Beauty roses to lily of the valley. Each house is equipped with an automatic clock that registers the amount of heat in the house, and the temperature at all hours, thereby insuring correctness. All growing is done along scientific lines and only experienced specialists in their several branches are employed. Thousands of small plants are shipped annually from here to all parts of the world, and the cut flowers are sent fresh every morning to the retail store at 64 E. Sixth street.

In addition to these, L. L. May & Co. have an extensive nursery business which is operated at Lakeland, Minn. Here there is a nursery warehouse covering 40,000 square feet of ground. It is thoroughly frost-proof, has its own trackage, and is so large that wagons may be driven inside to be unloaded, enabling this firm to get out the spring deliveries earlier than nurserymen who must wait for the more clement weather. A mile and a half from Lakeland are the Mayfield nurseries and seed farms. These embrace about 300 acres under cultivation and are used to grow the nursery stock sold by this firm. All new varieties of fruits, shrubbery, ornamental trees, etc., are thoroughly tested, as to hardiness, prolificacy, and general qualities before being propagated and offered for sale.

Forty carloads of manure have been spread over these farms during the past winter. From 150 to 200 men are employed continually during the spring and summer. A complete system of water works, pipes laid to all quarters of the nurseries, supplied by an 800 barrel tank, irrigates the grounds.

The general offices from which this huge business is conducted are situated on the second floor of the retail store building at 64 E. Sixth street. The office force employs from 30 to 40 clerks. A more comprehensive idea of the magnitude of this business can be obtained from the fact that 1,000 persons are employed in its several branches, including traveling men, clerks, nurserymen, growers, etc., and its buildings alone cover 260,000 square feet. It was founded 26 years ago by its present owner, L. L. May, who has built up an immense business. For a better understanding of the business methods of this firm, one should have a catalogue, 300,000 of which are issued annually and sent free of charge to anyone sending their name and address to L. L. May & Co., St. Paul, Minn.

L. L. MAY & CO., ST. PAUL.

Vick Quality Asters

INTRODUCED BY US. GROWN EVERYWHERE.

Vick's Branching (8 colors)
Vick's Snowdrift
Vick's Royal Purple
Vick's Lavender Gem
Vick's Daybreak
Vick's Purity
Vick's Sunset
Vick's Mikado
Vick's Cardinal
Vick's Violet King

How to Grow Asters Revised
Full of information for Aster Growers. Price, 10c. Free with an order of Aster seed.

Florists' Novelty Collection

Six of our latest introductions, including Sunrise (new) and Early White Branching (new):

	Price
Vick's Early White Branching	$0.25
Vick's Imperial Aster Sunrise	.25
Vick's Violet King	.20
Vick's Cardinal	.25
Vick's Lavender Gem	.25
Vick's Rosy Carmine	.25
How to Grow Asters	.10
	$1 50

All of the above, including our "Aster Book for Florists," 90c

SEND FOR OUR NEW ILLUSTRATED AND DESCRIPTIVE

Aster Book for Florists

It describes in detail, not only the varieties originating with us, but also all other leading sorts.

The largest and handsomest work of its kind ever issued.

EVERY FLORIST OUGHT TO HAVE

Vick's Wholesale Catalogue

which gives prices on all the best varieties of flower and vegetable seeds; plants for greenhouse and outdoors; splendid assortment of bulbs.

BOTH OF THESE CATALOGUES ARE FREE.

JAMES VICK'S SONS
ROCHESTER, N. Y.
The Leading Specialists and Largest Growers of High-Grade Asters in the World.

VEGETABLE SEEDS

SOW NOW.

	Per ¼ lb.	Per lb.
Lettuce, Grand Rapids Forcing	$ .30	$1.00
May King	.40	1.25
Cucumber, Evergreen White Spine	.25	.75
Davis Perfect	.35	1.25
Radish, Vaughan's Cardinal Forcing	.40	1.50
Improved Scarlet Globe	.25	.70
20 Day Forcing	.20	.60
Scarlet Globe White Tip	.20	.60
Tomato, New Globe	.75	3 00
Comet pkt.,	$ .25	
Sunrise pkt.,	.25	
Cauliflower, Earliest of All pkt.,	$ .25;	oz., $2.50

Vaughan's Seed Store, CHICAGO. NEW YORK.

Vegetable Plants...

Lettuce Plants: Grand Rapids, Boston Market and Big Boston, 25 cents per 100; $1.00 per 1,000.
Tomato: Mayflower and Lorillard, 50 cents per 100.

R. Vincent, Jr. & Sons Co.,
WHITE MARSH. MD.

NEW FORCING TOMATO THE
WAVELAND.

Unsurpassed by any other kind for private or commercial growing under glass or outdoor culture. Fruit thick and rich color. Seed limited. Order now. Ready September 1. Price: $1.00 per packet; $3.00 per ounce.

H. KULD, Box 193, Norwood, Mass.

St. Louis Seed Co.

784-786 N. 4th Street,
ST. LOUIS, MO.

The fastest growing and most centrally located Seed House. Get our Prices.

HOME OF PURE AND SURE SEEDS.

Tuberose Bulbs

GENUINE MEXICAN
EVERBLOOMING

1st size,.....$8.00 per 1000
2nd size..... 6.00 per 1000

FURROW & CO.
Guthrie, Oklahoma.
Mention the American Florist when writing

MARKET GARDENS.

Prices of Indoor Vegetables.

NEW YORK, FEBRUARY 15.

Beet tops, per bu box.....	75	@	1 00
Cucumbers, No. 1, per doz.....	1 25	@	1 75
No. 2, per box.....	3 00	@	5 00
Lettuce, per doz.....	15	@	75
Mushrooms, per lb.....	25	@	55
Mint, per doz. bunches.....	50	@	75
Radishes, per 100 bunches.....	2 00	@	3 00
Rhubarb, per doz. bunches.....	30	@	50
Tomatoes, per lb.....	10	@	25

Growing Indoor Cucumbers.

ED. AMERICAN FLORIST:—

I want to follow the last crop of indoor lettuce, in April, with cucumbers and would be glad to have full particulars as to distance of planting and after treatment.

J. B.

Our correspondent, "Marketman," gave some directions in the last issue about cucumbers, and these are to be followed by others in season which you will do well to peruse.

Hotbeds.

The old fashioned hotbed is still a factor, and as there is a right way and a wrong way, or many of them, I will give a few points to help the beginner, and to make the old hand think it over. The hardest point to impress upon the ordinary laborer is that he must shake up the manure thoroughly and place it fine and even in the beds. He thinks forkfulls dumped side by side is easier and just as good. It is not. The heating depends entirely upon the amount of air embedded. And the finer the manure is shaken up and spread, the more air enclosed. Further, shaking it out evenly makes a bed of even firmness and prevents uneven settling, which is disastrous to crops.

Another point is the depth of earth. We see in good gardening books to use eight inches of earth in a hotbed. Now this is all wrong. The proper amount of earth is the smallest amount you can get along with, and that is about three inches, often less. If a florist can grow crops eight months on four inches of earth, why use eight inches for six weeks? This bulk of earth is costly in labor and disastrous on the manure; it overloads the manure and cools it down. As quickly as a bed is made, put the sash on and keep it tight. Do not put the earth in until bed has heated up. We have for years practiced a method of preparing manure that is very good. Commencing after January 1 we haul the manure as fast as we can get it, and put in one big, flat pile. Every two days we put a team on the pile, 15 minutes, to tramp it down solid. It can heat, but it cannot burn, being compact; and thus it will keep a long time and is always ready to use. It will heat more mildly, more steadily and settle less than fresh manure.

MARKETMAN.

Conway's White Branching Aster.

The flower is pure white, of unusual size and fine shape, with long stiff stems. Blooming from mid-season to late. Is considered by leading florists to be the best and most profitable aster ever grown. **Trade Packet, $1.00; Half Ounce $3.00; Ounce, $5.00.** Cash please.

F. A. CONWAY & CO., Indianapolis, Ind.

NEW CROP FLOWER SEEDS.

	¼-oz.	oz.
Verbena Mammoth, in colors or mixed..	30c	$1.00
Salvia Splendens.....	35c	1 25
Salvia Bonfire.....	75c	2.50

Lily of the Valley early forcing to close out, per 1000, $11.00

Fresh Tobacco Stems, Bales of 300 lbs. $1.50

W. C. BECKERT, Pittsburg, N. S., Pa.
Mention the American Florist when writing

BURPEE'S SEEDS PHILADELPHIA

Wholesale Price List for Florists and Market Gardeners.

Mention the American Florist when writing

Just Out

Our handsome new Catalogue for 1908.

If you have not received a copy, please advise us by postal and we will send you one by return mail.

W. W. RAWSON & CO.
5 Union St., BOSTON, MASS.

STOCK SEED

Giant Branching.

85% to 90% Double Flowering.

Pure White, ⅛-oz. 75c, ounce $5.00.

Other colors, ⅛-oz 60c, ounce $4.00.

H. E. FISKE SEED CO.,
12 and 13 Faneuil Hall Sq., BOSTON, MASS.
Mention the American Florist when writing

Asparagus Plumosus Nanus

We handle this Asparagus both in seeds and plants of all sizes, in very large quantities and make very close prices on larger amounts on application. Our seed is pure, fresh, of best germinating quality and extraordinary vitality. **Northern Greenhouse-Grown Seed.** Per 100 seeds, **60c;** 250 seeds **$1.25;** 1000 seeds, **$4.00;** 5000 seeds **$19.50;** 10,000 seeds, **$37.50.** Price for larger lots on application.

Vaughan's Seed Store
Chicago and New York.

Mention the American Florist when writing

ESTABLISHED IN 1824.

Bridgeman's Seed Warehouse

RICKARDS BROS., Props.,

37 East 19th St., bet. Broadway and 4th Ave., **New York**

Telephone: 4235 Gramercy.

Lily of the Valley

MANN'S EXCELSIOR

Are the finest in existence and their flowers bring the best prices in the London market. For quotation please apply to

OTTO MANN, Leipzig, Saxony, Germany

RELIABLE SEEDS.

SOW NOW

Primula Obconica Grandiflora

New Hybrids as:

Blood Red, Blue, Carmine, Pink, Purple, Violet, Pure White, Compacta, Gigantea, Fringed mixed Hybrids, each separate. Trade pkt, 50c, 6 Trade pkts. $2 50. My new price list will guide you through reliable seeds. Ask for same.

O. V. ZANGEN, SEEDSMAN, Hoboken, New Jersey.

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,
Successors to L. K. Peacock, Inc., ATCO, N. J

The Nursery Trade

American Association of Nurserymen.
J. W. Hill, Des Moines, Ia., President; C. M Hobbs, Bridgeport Ind., Vice-President; George C Seager, Rochester, N. Y., Sec'y.
Thirty-third annual convention to be held at Milwaukee, Wis., June, 1908.

VISITED CHICAGO.—Thos. E. Cashman and wife, Owatonna, Minn., president of Clinton Falls Nursery Co.

PARMA, IDAHO.—The Parma Nurseries are to be enlarged by the addition of over 100 acres purchased by the proprietors, the Hawkes Investment Co. The new lands are at Council.

DEL MAR, CALIF.—C. C. Moll is laying out the hotel grounds here. Close to the Pacific coast it will be a beautiful place and about $2,000 worth of ornamental trees, shrubs and flowers will be planted.

THE Satsuma Co., Newark, N. J., was recently incorporated, with capital, $150,000; incorporators, Marshall C. Lefferts, Duff G. Maynard and Frederic R. Lefferts. The company is to deal in trees, shrubs, plants, etc.

THE Wyoming Board of Horticulture issued a bulletin recently on "Survey and Outlook of the Fruit Interests of the State." It is full of meat for the fruit grower and nurseryman. The illustrations are decidedly good.

PALISADES, N. Y.—The Palisades Nurseries were incorporated at Albany February 4, with a capital of $15,000. The directors are: Andrus McGillivary and John M. Stevens, of this place, and James Cochran, 49 Wall street, New York.

DURING the past six years the nut growing industry has been revolutionized. It is now well established in various localities upon a scientific and sound commercial basis. When followed in the light of recent experience, it opens for the farmer or capitalist a most inviting field.

OCONOMOWOC, WIS.—The Enterprise understands "that the White Elm Nursery Co. is planning to enlarge its branch at this place. More land has been secured and many thousand plants will be set out this spring. The business at this branch has so increased that the manager, A. W. Brown, of Watertown, has decided to move here."

SPOKANE has been selected as the convention city for the Washington State Horticultural Association for 1909. The officers for the coming year are H. M. Gilbert, North Yakima, president; H. W. Crowell, Spokane, first vice-president; H. Horns, Wematchee, second vice-president; Wm. Ritz, Walla Walla, treasurer; Levi C. Monroe, Spokane, secretary.

CLEVELAND, O.—Forester John Boddy did much good work last year in beautifying the streets. Many thousands of trees were treated to eliminate insects and disease. Many dead and dying trees were removed and over 3,000 new ones, in all, were planted. The nurseries at Warrensville are in excellent order. There are about 500 trees ready for planting, and nearly 8,000 younger ones, ranging in size from three to ten feet.

Hardy Plants and Their Environments.

An ever increasing inquiry for hardy plants seems to continue from year to year as the requirements of their wants, their durability, beauty and ease of culture become better known. The love of them is rapidly spreading and the number of varieties and the various uses to which they can be put is also rapidly increasing. Therefore, it behooves every wideawake florist to become acquainted with at least the leading and best varieties—to know their various uses, their periods of blooming, the situations in which they can be successfully grown, their habits and modes of growth, whether suitable for sun or shade, for rock, wall or border gardening, for growing alongside ponds or streams or the various other uses to which they can be put.

There is scarcely a suggestive position anywhere where a plant can find subsistence but what amongst the hardy plant collections of to-day some suitable plant cannot be found. Some people have a dry, shady place where nothing will grow, although they have tried everything, but that everything on close question generally ends with a very short category and quite frequently only some three or four very unlikely or altogether inappropriate species have been tried. Some have got a damp, shady or partially shady spot that is an eyesore to them, and this perhaps in a very conspicuous place, and they, too, have tried everything here with the same dire results and they are somewhat discouraged.

Two men went up into the woods of Vermont to spend their vacation and seeing some maidenhair ferns (Adiantum pedatum) growing there decided, on returning home, to load up and carry some along with them a distance of nearly 200 miles. One planted his in pots, stood them around the house, giving them the most assiduous care and attention, but only a few days elapsed and they were things of the past. The other carefully prepared a bed of soil in his back yard and there he planted his and four years later his plants were all alive and four times the size they were when first planted. The latter had carefully noted the natural conditions under which he found the plants growing and had tried to imitate them as near as possible.

If we would obtain best results we must observe these natural conditions of growth and environment and, by following them as closely as possible, success will usually follow. Many plants are adaptable to environment and many are not. The latter must be studied and their vagaries, wants and peculiar methods or traits noted and often minutely copied. The maidenhair fern, although quite amenable to cultivation under ordinary conditions, will not adjust or adapt itself to environment as readily as does Lobelia cardinalis, the cardinal flower, or Stokesia cyanea, the great cornflower. We shall also find many other plants of similar nature whose habits and conditions of growth must be studied and met if we are to be successful in their culture.

The home of Lobelia cardinalis is in low, wet ground by the side of streams in open glade and dense woodland. One of the best and largest groups of these plants we ever saw was growing in the bottom of a ditch or woodland stream where, during the winter months, it was constantly under water and which dried up, or nearly so, during the late spring and summer months, and yet plants dug from the bottom of this woodland stream and planted right out in the open ground in late spring lived, bloomed and improved wonderfully for several years. Stokesia cyanea grows in bogs in pine barrens and low places in North Carolina and Alabama, and yet how readily and amenable to general cultivation this plant has proved of late years! Helenium autumnale, generally found growing in alluvial soils by the side of streams, etc., is another of these accommodating plants that will grow in almost all kinds of soils and situations in open sun or in semi-shade. All these plants do best, if they are to be moved, when that operation is performed in early spring. Stokesia must have a well-drained soil and be thoroughly established to go successfully through our winters and heleniums and lobelias quite frequently resent being moved in the fall months.

The cimicifugas and acteas are denizens of moist, damp woods, generally found growing in open situations in semi-woodland shade. They will grow and bloom in open garden borders and beds, but are not so happy and do not grow with such luxuriance as they do in their native haunts or in similar partially shaded environments in the garden. If planted in too open situations their foliage burns under the influence of the hot summer sun, notwithstanding their being amongst the most beautiful and hardiest of our native plants, whilst the former mentioned plants are quite the reverse. Under skilful cultivation and management the stokesias, lobelias and heleniums have improved both in the size and productiveness of their flowers as well as in the habit of their growth and in the beautiful new hybrids and varieties they have given us. To be successful, therefore, in growing and recommending these as well as other hardy plants, we ought at least to become somewhat acquainted with some of the traits and characteristics as exhibited by the growth of this wonderful race of plants whose characters are as interesting and as varied as they are numerous and then and only then shall we be successful in recommending them to our various inquiring patrons for the various situations and uses they wish to put them to.

H. G.

Ornamental Planting.

It is, after all, more in the disposition of the shrubbery than in the varieties that a rational pleasure will be found. It is not a great burden of bloom from any particular shrub that I aim at. I do not want to prove what it may do at its best, and singly; that is the office of the nurseryman, who has his sales to make. But I want to marry together great ranks of individual beauties, so that May flowers shall hardly be upon the wane when the blossoms of June shall flame over their heads; and June in its turn have hardly lost its miracles of color when July shall commence its intermittent fires, and light up its trail of splendor around all the skirts of the shrubbery. I want to see the delicate white of Clematis Virginiana hanging its graceful festoons of August, here and there in the thickets that have lost their summer flowers; and after this I welcome the black berries of the privet, or the brazen ones of the twining bittersweet. Or, it is some larger group with which we deal—half up the hill-side, screening some ragged nursery of rocks—and a tall Lombardy poplar rises from its centre, while shining, yellowish beeches group around it—crowding it, forcing all its leafy vigor (just where we wish it) into the topmost shoots; and amid the beeches are dark spots of young hemlocks—as if the shadow of a cloud lay just there, and the sun shone on all the rest; and among the hemlocks, and reaching in jagged bays above and below them,

are sumachs (so beautiful, and yet so scorned), lifting out from all the tossing sea of leaves their solid flame-jets of fiery crimson berries. Skirting these, and shining under the dip of a willow, are the glossy kalmias, which at midsummer were a sheet of blossom; and the hem of the group is stitched in at last with purple phloxes and gorgeous golden-rods. I know no limit indeed to the combinations which a man may not effect who has an eye for color. There is, unfortunately, a certain stereotyped way of limiting these shrubberies to a few graceful exotics, and of rating the value of foliage by its cost in the nursery. It is but a narrow and ungrateful way of dealing with the bounties of Providence.—Press Clipping.

Care of Shade Trees.

The Municipal Engineering Magazine calls attention to the fact that cities in New Jersey and Pennsylvania are by statute now enabled to appoint shade tree commissioners to take care of the trees on their streets. Attention is also called to the large opportunity for good work, and, by way of illustration, points out what has been done by the shade tree commission of East Orange.

In the trimming of trees, great care is taken to cut off all limbs close to and even with the trunk. All scars are painted with a coat of thick coal tar. All trees on a street are pruned to a uniform height, and as far as possible that height is made 10 feet to clear all street lights. The campaign against the insects infesting shade trees forms one of the chief tasks of the commission. The control of the injurious insects not only preserves the foliage of the trees for the season, but maintains their health and vitality. What can be done by persistent work in this line is shown by the results with the woolly maple scale (pseudococcus aceris) which attacks the sugar maple. Other pests are the tussock moths, attacking the American elm and linden, the white maple and the horse chestnut, the cotton maple scale, attacking the white maple, the elm-leaf beetle, the spring elm caterpillar, the bag worm and the fall web worm. The idea constantly bore in mind is to destroy the insects in as early a stage as possible, to minimize both the amount of work required in treatment and the injury done to the trees.

A Winter Picture.

In the cardinal willow, the yellow willow and the dogwood we have a trio of cheap and common things that, suitably blended, says Gardening Illustrated, will enliven the landscape in the depth of winter with the brightest color. All who have a lake, stream, or damp spot should endeavor to plant a bold mass of these three. Each alone is exceedingly beautiful. The yellow willow (Salix vitellina) makes a handsome tree, but is, perhaps, most effective when occasionally cut down, so that it becomes a thicket of wand shoots, whose bark is of a rich yellow color. What the cardinal willow is exactly is not quite clear. Some make it a variety of S. vitellina, but instead of the bark being yellow, it is of a glowing red color. Under the name of the cardinal willow, however, it is largely grown in the Surrey nurseries chiefly for tying, as its shoots are exceedingly tough. No other tree or shrub that we have could produce such an effect in the midst of winter, and the harder and sharper the weather, the brighter the color becomes. This lovely willow retains its brightly-colored bark if permitted to grow into a tree, and then the dogwood comes in admirably for associating with it. The bark of the dogwood is hardly less bright in color than that of the cardinal willow. The dogwood will make a dense spreading mass, from which here and there trees of the red and yellow willows might arise, and the result will be a beautiful picture—a welcome relief from somber evergreens. Certainly these three things are in their fullest beauty when naked and leafless, for with the rise of the sap in spring, although the color does not wholly disappear, it fades, and later on is hidden by leaves.

PHILADELPHIA, PA.—An extraordinary display of orchids in full bloom is daily attracting scores of florists and botanists to Horticultural Hall, Fairmount park. The blooms were raised in the city greenhouses under the direction of the city florist, Xavier Schmidt, and are most gorgeous.

NEW YORK.—James Daly, who for 25 years past has been in the employ of J. Weir's Sons, died after a short illness at his home, 419 East Seventeenth street, Manhattan, on February 7, and was buried February 10 from his late home, the interment being in Calvary cemetery. Mr. Daly was one of the best known characters in and around the flower market for years. A large delegation of Brooklyn florists went to the house to pay respect to their dead friend, and the funeral was attended by florists and flower growers in large numbers. The floral tributes were numerous and magnificent. A widow and two children survive.

READY NOW! SHIPPING EVERY DAY!

Manetti Rose Stock for Grafting Smooth, evenly-graded, especially selected for Florists' use.

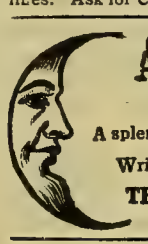
Grafting size, 3-5 mm $ 8.00 per 1000: $75 00 per 10,000.
Extra large, 5-9 mm, 10.00 per 1000: 90.00 per 10,000.

Orders booked now for grafted **Bride, 'Maid, Richmond, Killarney, Kaiserin, Wellesley,** etc., to be delivered in April or later, when wanted; write for prices; also for spring price list of Roses, Shrubs, Vines, Perennials, Conifers.

JACKSON & PERKINS CO., NEWARK, NEW YORK.

—THE—
Royal Tottenham Nurseries, LTD.
Established in 1872.
Managing Director, A. M. C. VAN DER ELST.
Dedemsvaart, Holland.

Headquarters for **HARDY PERENNIALS,** among which are the latest and choicest, 18 acres devoted to growing this line, including Amemone, Aster, Campanula, Delphinium, Funkias, Hemerocal is, Hepatica, Incarvillea, Iris, Peonies, Phlox decussata and suffruticosa, Primula, Pyrethrum, Tritoma Hardy Heath, Hardy Ferns. Also 5 acres Daffodils, 12 acres of Conifers, specially young choice varieties to be grown on; 3 acres Rhododendrons, including the best American and Alpine varieties; 2 acres Hydranges. We make it a point to grow all the latest novelties in these lines. Ask for Catalogue.



ARBOR VITÆ
(Thuya Occidentalis.)
A splendid stock, of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.
THE WM. H. MOON CO.,
Morrisville, Pa.

Am. Arbor Vitae Hedge Plants
at Wholesale to Florists.
Best Evergreen Hedge Plant in the World.
EVERGREEN NURSERY CO.,
STURGEON BAY, WIS.

Date Growing in America.

Invesigations have gone far enough to show that the date palm can be grown successfully in California soil. At the government's experimental farm near Mecca, in the Colorado desert, several acres have been set out and the trees are thriving. They have not reached the full bearing stage, but several trees have produced as high as 20 pounds each.

The successful growing of the date palm of the desert in California is almost as great a triumph as the successful introduction in the past few years of the Smyrna fig. Some packing and shipping of both soft and dry dates may be done this year. Ultimately it is expected that the date will form an important addition to California's fruit product. So confident of commercial success are those who have been watching the date experiments that considerable planting has been done by private growers. The region selected for the experiment is the Coachella valley, west of Salton and north of Imperial valley. There is no reason, experts say, why it should not be covered with thriving date plantations that will produce the larger part of the fruit, which is now imported.

Would not be Without It.

AMERICAN FLORIST CO:—

We would not be without the AMERICAN FLORIST for double its subscription price.

E. D. MANGUM.

Washington, D. C.

Hardy Roses
American Grown—Superior to Imported

We have unsold at the present time the following varieties—**all field grown plants,** grown in our nurseries at Rochester, N. Y.:

Anne de Diesbach	Prince Camille
Clio	Ulrich Brunner
Frau Karl Druschki	Crimson Rambler
General Jacqueminot	White Rambler
John Hopper	Yellow Rambler
Mme. G. Luizet	Philadelphia Rambler
Marshall P. Wilder	Common Sweet Briar
Mrs. John Laing	Mme. G. Bruant
Paul Neyron	Wichuriana (The Type)

These plants are in our storage cellars and can be shipped at any time. Prices on request.

ELLWANGER & BARRY
Nurserymen—Horticulturists
Mount Hope Nurseries, Rochester, N. Y.

LARGE TREES.
OAKS and MAPLES.
PINES and HEMLOCKS.
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA

The True Amoor River Privet
Ligustrum Amurense
2½ to 3 feet, strong, field-grown plants, any quantity, $25.00 per 1000.
California same size and price.
Peter's Nursery Co., Knoxville, Tenn.

AZALEAS (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.
Jacs Smits, Ltd. NAARDEN, (Holland.)
Price list free on demand.

BOBBINK & ATKINS,
Rutherford, N. J.,
Bay Trees, Palms, Buxus, Azalea Indica, Rhododendrons, Evergreens, Herbaceous Plants, Roses, Trained Fruit Trees, Greenhouse Grape Vines. Ask for catalogue.

PEONIES.

Festiva Maxima	$20.00 per 100
Queen Victoria (Whitleyi)	9 00 per 100
Fragrans (Late Rose)	6.00 per 100

For 1000 rates and other varieties, write
GILBERT H. WILD, Sarcoxie, Mo.

TREES AND SHRUBS.
Immense quantities, low prices.
Send in your lists for figures.
PEONIES A SPECIALTY.
PETERSON NURSERY, 108 La Salle St., CHICAGO.

WINONA The True Pink Carnation for 1908.

A Color that Attracts Attention. Once Seen, Always Wanted.

Comes nearest to Fiancee, but is a different type flower. **Never Bursts—Every Calyx Perfect.** Good, shapely, active growth. Blooms early and in quantity. A grand commercial variety. Give it a trial and compare the returns. We have a large stock, clean and healthy. Will guarantee every cutting to be first class. Order now for early de ivery. **Price: $12.00 per 100; $100.00 per 1000.** La ger lots, prices on application. With our additional glass we have more than doubled our stock of Carnation Plants, and can fill orders for rooted cuttings to even better satisfaction than in past years.

FOR FEBRUARY DELIVERY AND LATER.

	Per 100	1000
Red Chief, bright scarlet	$5 00	$40 00
Bonnie Maid pink, edged white.	5 00	40 00
Aristocrat cerise,	6 00	50 00
Winsor pink	6 00	50 00
Beacon, orange scarlet	6 00	50 00
White Enchantress white.	$6 00	$50 00
White Perfection, pure white	3 00	25 00
Rose-Pink Enchantress pink	3 00	25 00
Enchantress light pink	3 00	25 00
Lady Bountiful, white	$3 00	$25 00
Victory scarlet	3 00	25 00
Dorothy Whitney, yellow	4 00	30 00
Mrs Patten, variegated	3 00	
Harry Fenn, crimson	3 00	

F. DORNER & SONS CO., La Fayette, Ind.

GENERAL NEWS.

MOLINE, ILL.—Wm. Knees has built four new houses, each 28x100 feet.

PADUCAH, KY.—Schmaus Bros. have placed an order for 5,000 feet of glass for a new house, 40x125 feet, to be completed about August 1.

NEW ORLEANS, LA.—Recent trade visitors included J. D. Carmody, Evansville, Ind., and B. Eshner, representing M. Rice & Co., Philadelphia, Pa.

MEMPHIS, TENN.—Recent trade visitors included B. Eshner, representing M. Rice & Co., Philadelphia, Pa., and J. D. Carmody, Evansville, Ind.

MASON CITY, IA.—The Perth Floral Co. is making preparations to move its place of business from South Main street to 109 West State, in the old Republican building.

BEATRICE, NEB.—The Dole Floral Co. is making preparations to add considerably to its glass area this season, a palm house 35x100 feet being among the additions.

BATAVIA, ILL.—Dr. J. C. Patterson of Bellevue, Place county, is spending his winter vacation in the Indian River country in Florida. He is getting more fruit than fish.

BRIDGEPORT, CONN.—Chas. M. Minor, aged 90 years, died here February 9. He was well known all through the Naugatuck valley, where he used to travel and dispose of nursery stock for N. H. Lindley.

DUBUQUE, IA.—McKinley Day and St. Valentine's Day were both much better than usual here, and there has been considerable funeral work, according to W. A. Harkett of Harkett's Floral Nursery.

DALLAS, TEXAS.—The Holloway Seed and Floral Co. of Dallas has amended its charter, changing the name to the Robinson Seed and Plant Co., and increasing its capital stock from $25,000 to $50,000.

COUNCIL BLUFFS, IA.—Things are moving lively here, especially considering the coming election, according to Peter Nelson, who thinks that everyone can get along if they get down to business and stick to it.

PASADENA, CALIF.—The Gardeners' Association announce its spring show for April 2, 3 and 4, and will mail schedule on application. The schedule is very complete, comprising flowers, plants, vegetables and fruits. Richard Thomas, 308 Stevenson avenue, is secretary.

ITALY.—Charles Sprenger, at Vomero, Napoli, having decided to devote his undivided attention to agriculture, has disposed of his entire stock of new and valuable plants, including his numerous hybrids of crinum, narcissus, yucca, etc., to W. Muller, who has acted for many years past as his assistant. Willy Muller has established himself as plant and seed grower at Nocera Inferiore, Provinz Salerno.

FARGO, N. D.—Seven hundred farmers of Dakota and Minnesota met here last week. These farmers were especially eager to learn the secrets of successful tree planting. One entire day of the convention was given to horticulture and its various branches. The importance of the subject of forestry was brought out by four speakers. These were G. H. Whiting, a pioneer nurseryman; Professor E. G. Cheyney of Minnesota; Professor C. B. Waldron, of North Dakota Agricultural College, and C. A. Kupfer of the United States Forest Service.

LLOYD Will Not Disappoint You.

The only ever blooming **White Carnation** in existence. It is the bread and butter white of the future. Size and stem of Enchantress, with the freedom of McGowen. Easy Rooted. Excellent keeper and shipper. Best seller of any carnation on the market.

Rooted Cuttings, **$2.00** per doz., **$12.00** per 100, **$100.00** per 1000; unrooted **$6.00** per 100, **$50.00** per 1000.

H. A. JAHN, New Bedford, Mass.

NEW CARNATION

PRESIDENT SEELYE

The Unexcelled White

A Seedling from Mrs. T. W. Lawson and The Queen, now in its fourth year.

A large well-formed flower, long stemmed from the start; fragrant and productive; easy to grow; calyx does not split, and will do the best in a temperature of 50° to 52°

A money maker for the wholesaler and excellent for the small retail florist who grows but a few hundred of each kind.

The trade is invited to visit the greenhouses and see it growing. Every cutting guaranteed well rooted and free from disease. **$10.00** per 100; **$75.00** per 1000.

——Orders booked now for January delivery.——

H. W. FIELD, Northampton, Mass.

Carnation Cuttings.

——FINE STOCK OF——

Lawson, Enchantress, Rose Pink Enchantress, Perfection, Lady Bountiful, $3,00 per 100; $25.00 per 1000.

Winsor, $6.00 per 100; $50.00 per 1000.

Cash with order. Address

JOHN L. WYLAND, DeHaven, Pa

Mention the American Florist when writing

AFTERGLOW.

100.00 per 1000.

Aristocrat.....$6.00 per 100; $50.00 per 1000
White Perfection.... 3.00 per 100; 25.00 per 1000

Orders booked now for future delivery.

R. Witterstaetter, Station F, Cincinnati, O.

Mention the American Florist when writing

JOHN E. HAINES,

BETHLEHEM, PA.,

is the place to order rooted cuttings of the following varieties for 1908.

	Per 100	Per 1000
John E. Haines, red	$6.00	$50.00
Imperial, variegated	6 00	50.00
Pink, Pink	6.00	50.00
Enchantress, Light pink	6.00	50.00

Place orders early for December delivery.

Mention the American Florist when writing

White Enchantress.

ROOTED CUTTINGS

$6 00 per 100; $50.00 per 1000.

E. SCHRADER, New Springville,

RICHMOND BOROUGH, N. Y.

CARNATION CUTTINGS.

We are in unusally good postion to supply exceptionally well-rooted, healthy stock. We have such a large quantity of flowering plants that we propagate only from heel cuttings from flowering shoots. Our cuttings are rooted in light, sunny, airy, houses, and we are sure will satisfy the most critical buyer.

A prominent carnation grower writes: "You seem to be **the only firm in the business that knows how to pack stock and have it reach the buyer in good condition,** and I have always found your cuttings cheaper than the same varieties at much lower figures.

While our prices may not always be the cheapest, we certainly can give, quality considered, as good value if not better, than is obtainable anywhere.

WINSOR, which we introduced last year has proved to be the finest novelty introduced in years. We think it is the most profitable variety grown to-day, considering its fine color, splendid keeping qualities and productiveness. When properly grown it leaves little to be desired, and almost every one succeeds with it.

White Enchantress, the best all-round White Carnation, on account of its large size, long stem, earliness and productiveness. Our White Enchantress exhibited at the Carnation Convention at Washington, was the only White Enchantress exhibited that received an award.

Strong rooted cuttings, now ready for delivery, from sand, $6.00 per 100, $50.00 per 1000; from soil, $7.50 per 100, $60.00 per 1000.

We offer, also, **Victory** and **Red Chief,** from sand, $6.00 per 100, $50.00 per 1000; from soil, $7.50 per 100, $60.00 per 1000, also **Victory, Melody** and **White Perfection,** from sand, $4.00 per 100, $35.00 per 1000; from soil, $6.00 per 100, $45.00 per 1000; **Variegated Lawson, White Lawson** and **Red Lawson,** from sand, $3.00 per 100, $25.00 per 1000; from soil, $4.00 per 100, $35.00 per 1000. We can supply, also, **Winona** and **Afterglow,** at $12.00 per 100, $100.00 per 1000.

Buyers will find transplanted stock offered from soil well worth the difference in price.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

"Two Shades of Red"

Do you want **THE BEST CRIMSON** on the market? f so, let us book your order for

HARVARD "A greatly improved Harlowarden, with a larger flower, better stem and very prolific." **Rooted Cuttings, $12.00 per 100; $100.00 per 1000.**

FAUST "A brilliant scarlet, very prolific, many plants last Christmas having 20 buds and blooms to the plant. Best of its color for commercial use." **Rooted Cuttings, $6.00 per 100; $50.00 per 1000.**

Standard Varieties

Strong, Healthy, Rooted Cuttings

	Per 100	Per 1000
Winsor	$ 6 00	$ 50 00
Rose Pink Enchantress	3 00	25 00
Enchantress	2 50	20 00
Lawson	2 00	15 00
Queen	2 00	12 50
Victory	2 50	20 00
Queen Louise	2 00	15 00
Red Sport	2 50	20 00
Pink Patten	3 00	25 00

REMEMBER WE GUARANTEE SATISFACTION. Address all orders to

JAMES D. COCKCROFT, Northport, Long Island, N. Y.

Morristown, N. J.

We have been feeling to some extent the effects of the recent financial squeeze.

John Jones, of Convent, is waiting for spring trade and working up a large stock of bedding plants in which he has an immense trade. He has a fine stock of Jacqueminot, Paul Neyron, and other hybrid roses for Easter. He has recently purchased the entire contents of R. D. Foote's cattleya house, about 2,500 plants. Foote's place, so well known on account of the prize-winning chrysanthemums, roses and carnations that were formerly grown there, is being turned into a commercial establishment. Wm. F. Lyons is going to devote it to carnations entirely.

H. C. Holmes reports sales slightly below normal. Customers like to "switch off into sweet peas, snap-dragon, mignonette, or anything to get away from the regular carnation and rose orders." Mr. Holmes goes in for Enchantress for a money maker though Winsor and Welcome are grown well in good numbers. The new violet, Gov. Herrick, is grown by him beside Princess of Wales; whatever the case may be in other places, Princess has it on the governor here. A fine batch of Campanula calycantha in 8-inch pots looks well for Easter.

Mrs. E. A. Holton, of South street, says sales are not up to expectation. She grows most of her own stock in the Sussex avenue greenhouses, and Ed. Gallegher seems to know the trick. Carnations, roses and bedding plants are pictures of vigor and health; narrcissi, hyacinths, tulips and lilies are grown in immense quantities and look well.

Geo. Coombs, successor to Marshall Crissman is the only strictly wholesaleman in this city. The output of his 20,000 feet of glass is almost entirely carnations, and with prices a little higher George would make money this year. Most of his stock goes to the retailers of the town.

R. A. Elliott reports fair trade. Carnations are his specialty, Enchantress his favorite. His houses of palms are among the best in this section, clean, vigorous, large and wonderfully perfect.

J. S. Green, Sand Springs, is the noted "green carnation" man, and a thriving business he does around March 17, each year. Occasionally he carries on a lively discussion in the local papers on the subject of carnation coloring, and he keeps his end up well. E. R.

RIDGEFIELD, CONN.—Geo. I. Haight has purchased the lot owned by J. L. Dauchy, on the Danbury road. Mr. Haight expects to build on this site and remove his greenhouses there, also.

DEFIANCE

The only scarlet with the real velvet color. It is there for quantity and quality. Let us have your order for early delivery.

$12.00 per 100; $100.00 per 1000.

JENSEN & DEKEMA, —674— **W. Foster Ave., Chicago. | W. N. RUDD, Morgan Park, Ill.**

CARNATIONS

Rooted Cuttings. Healthy stock.

	Per 100	1000
Winsor, Helen M. Gould, Beacon	$6.00	$50.00
White Enchantress	7.00	60.00
Melody, Victory	4.00	
Enchantress, Lady Bountiful, Red Lawson, Variegated Lawson, White Lawson, Daheim	3.00	25.00
Mrs. T. W. Lawson, Boston Market	2.00	15.00

Send for Catalogue.

WOOD BROTHERS

FISHKILL, N. Y.

CARNATIONS.

WELL ROOTED.

We offer the following Carnations in excellent condition, better stock has never been offered: Winsor, Beacon Aristocrat and pure White Enchantress, $6.00 per 100; $50.00 per 1000. White Perfection Victory, $3 00 per 100. Lawson, Var Lawson, B Market, Robt. Craig Candace $1.25 per 100; $10.00 per 1000; 5 per cent discount cash with order. If not satisfactory return at my expense.

W. W. COLES, Kokomo, Ind.

Brampton, Ont.

Business here has been fairly good and about equal to last year, which is a good deal more satisfactory report than those engaged in some trades can give. A good sign of the times is the talk we hear of building. There will be several new houses go up this spring, according to calculations at the present time, which will add in the neighborhood of 40,000 feet to the 750,000 already in this small town. The supply of roses falls a little short of the demand, but the quality is very good, and the prospects are good for a larger cut in the near future. Carnations of the better grades are a little on the scarce side; splits are more plentiful, although they are easily disposed of. There is a heavy crop of violets on now and the quality was never better. Bulbous stock seems to be the only thing that is dragging at all. There are great quantities being cut, including some Lilium longiflorum from cold storage.

NOTES.

The Dale Estate has moved its large stock of orchids into a new range of houses, just completed. They are the most modern, up-to-date houses that can be designed for that purpose.

R. Jennings is picking some grand Harlowarden carnation, the best that has been seen in this district. He is going in largely for the scarlet sport, Andrew Carnegie, this year.

St. Valentine's Day created quite a demand for violets.

L.

LUDINGTON, MICH.—Wm. Gregory will shortly put up a range of five houses, 120 feet long. The John C. Moninger Co., of Chicago, has the contract.

LONDON, ONT.—At the last meeting of the Horticultural Society the members decided to offer the sum of $10 per school to both the public and separate school boards of the city to be used for the purpose of beautifying and fixing up the different school grounds of the city, with the understanding that the boards contribute a like sum themselves towards the work, which is to be conducted under the direction of Parks Superintendent Pearce.

Pacific Supreme

THE BEST EARLY PINK

A Seedling from Glory of Pacific,

Is a grand improvement in color! Does not fade! As early as Pacific! A trifle taller, with ample foliage!

Will Depose Glory of Pacific When Its Merits Are Known.

Buy now and increase your stock. Plant early (not later than May 15th). Take bud Aug. 20th to 25th, and success is assured.

Strong plants, from 2¼-in. pots, $35 00 per 100. Can ship stock day order is received.

Elmer D. Smith & Co.

Successors to Nathan Smith & Son. **ADRIAN, MICH.**

Mention the American Florist when writing

CHRYSANTHEMUMS.

Monrovia, October Sunshine, F. A. Cobbold, Mrs. T. W. Pockett, Col. Appleton, Nellie Pockett, Cheltoni, Lady Hopetoun, White Coombes, Ben Wells and others now ready at $3.00 per 100, $25.00 per 1000; 2¼-in. pots.

If your stock is run down try some of mine and see the difference next fall. Lots of the new singles now ready.

You got my 'mum list, of course?

CHARLES H. TOTTY, Madison, N. J.

Mention the American Florist when writing

Rooted Carnation Cuttings

	Per 100	1000
White.		
White Perfection	$3 00	$25 00
White Enchantress	6 00	
Pink.		
Enchantress	$2 00	$15 00
Rose Pink Enchantress	3 00	25 00
Lawson	1 75	15 00
Helen Goddard	2 50	
Aristocrat	5 00	
Red.		
Beacon	$6 00	$45 00
Victory	3 00	25 00
Robt. Craig	3 00	25 00
Crimson.		
Harlowarden	$1 75	15 00

ELI CROSS,

Cor. Ashland Ave. and Page Street. **Grand Rapids, Mich.**

Mention the American Florist when writing

CHRYSANTHEMUMS

Mrs. Henry Robinson,

From 2½ and 3-inch pots. $25.00 per 1000; $3.00 per 100.

Metairie Ridge Nursery, New Orleans, La.

Mention the American Florist when writing

WE have a thousand or two of fine **Sarah Hill** and **Lawson-Enchantress** Carnations in 2½-in. pots, which we quote at $12.00 per hundred: Rooted Cuttings of same at $10.00. Should you like to try a hundred of them be sure and send your order in promptly.

GEO. A. KUHL,

PEKIN, ILLINOIS.

Extra Fancy Carnation Blooms

Shipped direct to all points. Special attention to telegraph orders. Give us a trial and be convinced.

J. D. THOMPSON CARNATION CO., Joliet, Ill.

CARNATIONS

Good, Healthy and Well Rooted Stock.

WHITE	Per 100	Per 1000
White Enchantress	$6.00	$50 00
White Perfection	3.00	25.00
White Lawson	2.00	15.00
Lady Bountiful	2.00	15.00
Boston Market	2.00	15.00
Queen	2.00	15.00
PINK		
Enchantress	2.50	20.00
Rose P. Enchantress	3.00	25 00
Lawson	2.00	15.00
RED		
Cardinal	3.00	25.00
Victory	3.00	25.00

Lakeside Floral Company

HOUGHTON, MICHIGAN.

Mention the American Florist when writing

OUR PASTIMES.

Louisville.

The Florists' bowling club is still breaking records and enjoying prosperity. The members were probably too busy to attend or take part in the Cincinnati tournament.

Cincinnati.

The A. B. C. bowling tournament being held in our city at present is creating quite a bit of enthusiasm among the boys, and there is some talk of starting a florists' bowling club. We have some excellent material for such a club among the local craft, and Wm. Gardner of Weiland & Olingers, is the moving spirit in the new venture. Billy has the fever very bad and the same may be said of Tom Jackson, who, though along in years, is young in spirit, and can give any of the boys a warm argument at a game of ten pins.

The Helk hand the Helephant.

"The helk hand the helephant hentered the Hark
When the helements hopened the ball.
"The helk hasked the helephant what's to heat?
Said the helephant, ' 'Ay is hall.'

"The helk hand the helephant hate the 'ay.
Said the helk with a heloquent sigh,
'Hi 'ope you are 'appy this 'orrible day?'
And the helephant hanswered, 'Haye.' "

A New Style of Hotbed.

Talk about being up-to-date, there is some talk prevalent among the Irondequoit gardeners, as to the best kind of hotbeds to germinate seed quickly, says the Market Grower's Journal. One gardener has them all beat. He spoke thus: "If you want to get your muskmelons started early the coming season, put your seed to soak over night in a rag. Next morning put them under your sitting hen, keep the rag moist, and your seeds will all be sprouted in three or four days. Just try it. You know it is all in getting the seed to sprout."

SAN FRANCISCO, CALIF.—With the scattering of seeds over the burned hillsides, the first actual work for beautification against the coming of the battleship fleet has been begun. At a recent meeting of the executive committee for the fleet's reception it was decided to plant at once nasturtium, eschscholtsia and Shirley poppy seeds, so that when May comes the slopes now dotted with vacant spaces will be bright with the gorgeous colors of many flowers.

"THE TEST is what TELLS THE STORY."

When growers who buy by the 100 the first season order thousands the next—**IT MEANS MERIT.**

BEACON CARNATION

occupies this enviable position; as an all winter blooming scarlet **IT HAS NO EQUAL.**

Strong, vigorous, healthy cuttings, ready now, Per 100, $6.00; per 1000, $50.00.

Winsor.....Per 100, $6.00; per 1000, $50.00
White Perfection.. " " 4.00; " " 35.00
Rose Enchantress..Per 100, $4.00; per 1000, $35.00
Enchantress ..... " " 3.00; " " 25.00

Send Money Orders on Norwood, Mass.

PETER FISHER, Ellis, Mass.

Mention the American Florist when writing

CARNATIONS. Rooted Cuttings. Immediate Delivery.

	Per 100	1000
Winsor	$6.00	$50.00
Aristocrat	6.00	50.00
Victory	3.00	25,00
Enchantress	2.00	20.00
Lawson (pink)	1 75	15.00
Lawson, (white)	2.00	18.00

GERANIUMS, La Favorite, white, R. C., $1.00 per 100.

Or will exchange the above for Montmort, Perkins, Poitevine or Viaud Geraniums.

—SATISFACTION GUARANTEED.—

E. T. WANZER, Wheaton, Ill.

CARNATION CUTTINGS. Well Rooted. Ready Now.

SPECIAL PRICES

To clean out benches while this lot lasts.

	Per 1000	Per 100
Enchantress	$15 00	$2 00
Lawson	10 00	1 50
J. E. Haines	15 00	2 00
Pink Imperial	$30 00	$3 50
Pink Patten	15 00	2 00
White Perfection	25 00	3 00
Winsor	50 00	6 00

ALBERT M. HERR, Lancaster, Pa.

STRONG, WELL ROOTED

Carnation Cuttings.

I have 50,000 Enchantress, 25,000 Mrs. T. W. Lawson, and 20,000 Boston Market, ready for immediate delivery, in as choice a lot of cuttings as has ever been offered, and **AT PRICES THAT WILL INTEREST YOU.**

Let me quote you prices on the above: also on good, strong stock of the following varieties: White Enchantress, Beacon, Winsor, Aristocrat, Rose Pink Enchantress, Victory, Lady Bountiful, Mrs. M. A. Patten, White, Red and Variegated Lawson, and Harlowarden. **SATISFACTION GUARANTEED.**

A. F. LONGREN, Des Plaines, Ill.

CARNATIONS ROOTED CUTTINGS.

Aristocrat	Per 100, $ 5 00	Enchantress	Per 100, $ 2 00
Winsor	" 5 00	Lady Bountiful	" 2 00
Perfection (White)	" 2 75	Victory	" 2 75

Rose Pink Enchantress, $2.75 per 100.

SALVIA ZURICH. The Ever-blooming Salvia. Rooted cuttings, $1.75 per 100; 2-in. $3.00 per 100.

The Salvia Zurich was first introduced by us.

PERENNIAL GARDENS CO., Toledo, Ohio.

New "MY MARYLAND" Rose

BEST UP-TO-DATE COMMERCIAL ROSE.

The Gardeners' and Florists' Club of Boston: A report of merit is hereby awarded to **John Cook,** for Vase New **H. T. Rose, No. 294,** since named **"My Maryland."** Description and points of particular merit: This new rose has a pleasing shade of salmon pink. With other essential characteristics of a good commercial rose fully proven, much may be expected of it.

The Committee believes this variety will be especially valuable in the light pink class of winter blooming roses.

Given by the Gardeners' and Florists' Club of Boston, this 17th day of December, 1907.

[Signed.]

PRICES: 2 and 2 1-2-inch pots, $25.00 per 100; $200.00 per 1000; 3-inch pots, $5.00 per dozen.

JOHN COOK, 318 N. Charles St., **Baltimore, Md.**

Cinerarias

3, 4, 5 and 6 inch pots, 80c, $1.75, $3.00 and $4.75 per doz:

Write for prices on

BEDDING PLANTS.

Please send cash with order.

CHAS. SHERWOOD,
WATERLOO, IA.

TAUSENDSCHON.

or in English, **THOUSAND BEAUTIES,** is the sensational new Climbing Rose of the year. Every florist should have it. Is not excelled for forcing purposes and for general planting by any Climbing Rose now known, **not even barring Crimson Rambler.** This is the coming forcing Rose. Get your stock early. It is beautifully illustrated in ten colors and gold in **Our New Guide to Rose Culture,** for 1908 the Leading Rose Catalogue of America. Copy **free** for the asking.

Strong plants of Tausendschon from 3-in. pots, 10 for $1.50; $12.00 per 100; $100.00 per 1000.

Single Hyacinths, all the leading named varieties King of the Blues, Czar Peter, Norma, etc., $3 00 per 100

Single Hyacinths, all colors mixed, $2 00 per 100.

Double Named Hyancinths, Goethe, Lord Raglan, Pure d'Or, Blolksbergeb, etc., $3 00 per 100.

Crocus, Named Varieties, $3.00 per 1000; Mixed Yellow, Mixed Purple and Blue, $2.50 per 1000.

Dahlias, all the leading varieties $45.00 to $50 00 per 1000. Send for list.

Cannas, all the leading varieties $10.00 per 1000 and upwards. Ask for list.

Rex Begonias, largest and cleanest stock in the country, $5.00 per 100; $45.00 per 1000.

The Dingee & Conard Co., West Grove Pa.

Louisville.

ROSES SCARCE.

Business conditions the past two weeks have been very good, taking everything into consideration. St. Valentine's Day business this year was probably the best ever experienced locally. Good roses are somewhat scarce, and the demand heavy. Carnations of good quality are in good supply and find ready sale. Lily of the valley and violets have a fair demand. Bulbous stock, such as narcissi, jonquils, Roman hyacinths, and tulips are in good supply, and find a fair demand. Green goods are scarce. There are quite a number of flowering plants on the market, such as primroses, cyclamens, bulbous stock, etc., which sell well.

The regular monthly meeting of The Kentucky Society of Florists was held at Joseph Wettle's residence, with a good attendance and a jolly time prevailed. The coming show was discussed for a great deal of the time, and nearly $500 subscribed. Members are urged to keep the ball rolling, and have a good bunch of slips ready to turn in at the next meeting. From the present outlook it will be the biggest show ever held in this section. The society did one thing which should have been done long ago, that was to adopt a funeral design for its members and families. After the meeting was adjourned, the usual big lunch awaited the members, and the only thing which hurt the members was that their capacities were not larger. It would be needless to state that everybody had a good time, as we all know what 1,225 stands for. Many thanks to Mr. and Mrs. Wettle for their hospitality.

The retailers had very pretty windows for St. Valentine's Day. Jacob Schulz had the prettiest window seen in many a day, consisting of a great many novelties, and being illuminated with a number of small lights.

Chas. Markmeyer, of New Albany, has the sympathy of the craft in the loss of his wife.

Ferdinand Link has opened a store on Shelby street near Broadway, and the good wishes of the craft are with him. F. L. S.

Mrs. Potter Palmer 2½-in., $15.00 per 100; $125.00 per 1000; 3½-in., $150.00 per 1000,

	R. C. per 1000	2½-in. per 100	2½-in. per 1000	3½-in. per 1000
American Beauties	$27.50	$6.50	$60.00	$80 00
Maids, Brides	18.50	4.50	40.00	60.00
Uncle John	18.50	4.50	40.00	60.00
Richmond	18.50	4.50	40.00	60.00

Cardinal 2½-in., $15.00 per 100; $125.00 per 1000; 3½-in., $150.00 per 1000.

	R. C. per 1000	2½-in. per 100	2½-in. per 1000	3½-in. per 1000
Chatenay	18.50	4.50	40.00	60 00
Perles		5.00	45.00	65.00
Sunrise		5.00	45.00	
Killarney	35.00	6 00	55 00	75.00
Kaiserin	18.50	4.50	40.00	60.00

CARNATIONS.

	Rooted Cuttings per 100	per 1000	2½-inch per 1000
White Lawson	$2.00	$20.00	$35.00
Pink Lawson	2.00	20.00	35.00
Variegated Lawson	2.20	20.00	35.00
Red Lawson	2 00	18.00	32.00
Victory	3 00	25.00	40.00
Beacon	5.00	45.00	60.00
Welcome	5.00		
Winsor	5.00	45 00	60.00

In Season—	2½-in. Per 100	per 1000	3-in. per 1000
Smilax	$2 50	$22.00	$35.00
Asparagus Sprengeri	3.00	25.00	35.00

	Rooted Cuttings per 100	per 1000	2½-incn per 1000
Rose Pink Enchantress	3.00	25.00	40.00
Enchantress	3,00	25 00	40.00
White Enchantress	5 00	45.00	60.00
Aristocrat	5.00	45.00	60 00
White Perfection	4.00	35.00	50.00

We have an exceptionally large stock of the Lawsons, Victory, Winsor and Beacon.

Asparagus Plumosus, 6-in. stock for benching $15.00 per 100; $125.00 per 1000.

Chrysanthemums in season.

Price list mailed on application.

POEHLMANN BROS. CO., **Morton Grove, Ill.**

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

Nephrolepis Amerpohlii

For immediate delivery. Good strong plants from 2½-in. pots, $15.00 per 100.

JANESVILLE FLORAL CO.,
JANESVILLE, WIS.

Spring List

2½-in. ROSES 4-in.

now being mailed. Get yours?

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO

Mention the American Florist when writing

NEW **NEW**

RAMBLER ROSE

"NEWPORT FAIRY"

To be disseminated Spring 1908. Ask for illustrated pamphlet and prices.

JULIUS ROEHRS CO., Rutherford, N. J.

Boston Ferns.

Nephrolepis Exaltata Bostoniensis.

	Each.	Per doz.	Per 100.
2½ in. pot plants		$ 0.60	$ 5.00
3-in. pot plants		1.50	10.00
4-in. pot plants		2.50	20.00
5-in. pot plants	$ .40	4.00	30.00
6-in. pans plants	.75	6.00	50.00
7-in. pans plants	1.00	9.00	75.00
8-in. pans plants	1.50	15.00	....
9-in. pans plants	$2.00 to $2.50	....	....
10-in. pans plants	3.00 to 3.50	....	....
12-in. pans plants	4.00 to 5.00	....	....

NEPHROLEPIS WHITMANI.

The Improved Elegantissima.

We have an immense stock of this beautiful fern in all sizes.

	Doz.	100.
2-in. pots	$ .60	$ 4.00
2½ in. pots	.75	5.00
3-in. pots	1.50	10.00
4-in. pots	2.50	20.00
5-in. pots	4.00	40.00
6-in. pots	6.00	50.00
7-in. pots	9.00	
8-in. pots, each	$1.50 to $2.00	

NEPHROLEPIS AMERPOHLII.

	Per doz.	Per 100.
2-in. pots	$ 2.50	$20.00
2½ in. pots	3.50	25.00
3-inch pots	4.00	30.00
4-inch pots	5.00	40.00

ASPARAGUS PLUMOSUS NANUS.

We Are Headquarters.

	Per 100.	1,000.
2-in. pots, strong, ready for a shift	$ 3.00	$ 25.00
3-in. pots, strong, ready for a shift	7.00	65.00
4-in. pots, strong, ready for a shift	12.00	100.00
5-in. pots, strong, ready for a shift	20.00	175.00

	Per doz.
Areca Lutescens, 4-in., 3 plants in pot	$ 3.00
Kentias and Phoenix, in all sizes, send for list.	

	Per 100.
Dracaena Indivisa, 4-in. pots	$12.00
Dracaena Indivisa, 5-in. pots	20.00
Dracaena Indivisa, 6-in. pots	40.00
Latania Borbonica, strong seedlings from flats	2.00
Latania Borbonica, 3-in. pots	6.00

Dormant Roses

FOR EASTER FORCING.

2-year old Budded Roses, per doz., $2.00; per 100, $15.00.

American Beauty Kaiserin Paul Neyron
La France Soleil d'Or Gruss an Teplitz
Frau K. Druschki and Hermosa.

The following kinds, 2-year old Budded, per doz., $1.50; per 100, $11.00:

Anna de Diesbach Fisher Holmes Magna Charta
Ball of Snow Gen. Jack M. P. Wilder
Capt. Christy Mad. C. Testout Mrs. J. Laing.
Ulrich Brunner and many other kinds.

	Per 100.
Crimson Rambler, 2-yr., home grown for Easter forcing	$15.00
Crimson Rambler, 2-yr., strong imported stock	12.00
Dorothy Perkins, 2-yr., home grown for Easter forcing	12.00
Lady Gay, 2-yr., budded stock	20.00
Philadelphia Rambler, 2-yr., home grown	12.00
Baby Ramblers, 2-yr., extra strong budded	20.00
Baby Ramblers, 2-yr., No. 1, budded	16.00
Baby Ramblers, 1-yr., selected, No. 2, grafted	10.00
White Baby Rambler, 2 1-2 in.	10.00
Red Kaiserin, 2-yr. dormant	25.00

CARNATIONS—ROOTED CUTTINGS.

	Per 100.	Per 1,000.
Afterglow, 2-in. pots	$12.00	$100.00
Andrew Carnegie, 2-in. pots	12.00	100.00
Defiance, 2-in. pots	12.00	100.00
Sarah Hill, 2-in. pots	12.00	100.00
Winona, from sand	12.00	100.00
White Enchantress, ready Feb. 15th	6.00	55.00
White Perfection, ready Feb. 15th	3.50	30.00
Lady Bountiful, from soil	3.00	25.00
Beacon, ready Feb. 15th	6.00	50.00
Red Chief, ready Feb. 15th	5.00	40.00
Red Riding Hood, from soil	5.00	40.00
Victory, ready Feb. 15th	3.00	25.00
Robt. Craig, ready Feb. 15th	3.00	25.00
Aristocrat, ready Feb. 15th	6.00	50.00
Pink Patten, ready now	2.50	20.00
Mrs. T. W. Lawson, ready now, soil	2.00	15.00
Winsor, 2-in. pots	6.00	50.00
Rose Pink Enchantress, from soil	4.00	30.00
Melody, ready Feb. 15th	3.00	25.00
Enchantress, from soil or sand	3.00	25.00
Mrs. Patten, from soil	2.50	20.00

VAUGHAN'S SEED STORE,

84-86 Randolph Street, CHICAGO.
14 Barclay Street, NEW YORK.

Greenhouses and Nurseries: Western Springs, Ill.

Berkshire Petunia

A fine, free flowering, fringed pink double Petunia. Flowers measuring 3 inches across; a most valuable acquisition, with no "fancy" price attached.

ROOTED CUTTINGS,

$2.50 per 100; $20.00 per 1000; 500 at 1000 rates.

Stock grown at and sent from Pittsfield, Mass.

S. S. SKIDELSKY

1731 N. 18th St., Philadelphia, Pa.

ention the American Florist when writing

NEW! NEW.

A Money Maker.

Carter's Dbl. Blue Lobelia

$2.00 per doz. $16.00 per 100.
Cash with order.

J. FULLER, 31 Orchard St. Leominster, Mass.

Mention the American Florist when writing

GERANIUMS.

Strong, well rooted

S. A. Nutt Cuttings from 2-in. pots $18.00 per 1000.

Cash must accompany every order on account of reasonable price made on same.

C. B. KNUTH, 11801 St. Clair Ave. CLEVELAND, OHIO.

Mention the American Florist when writing

Stock YOU NEED NOW.

Cannas. We have a large list of standard varieties including Chas. Henderson, Crimson Bedder, Beaute Poitevine, Florence Vaughan, Queen Charlotte, Souv. de Antoine Crozy, etc.; strong two-eye divisions..... $3 00 per 100; $25.00 per 1000

Dahlias. (Field-grown roots.) Wm. Agnew, Countess of Lonsdale, Nymphæa, Mrs. Wellesley, Admiral Dewey, A. D. Livoni and Fern Leaf Beauty..... $5.00 per 100
Grand Duke Alexis and Kriemhilde..... 7.00 per 100

Marguerites. Queen Alexandra, $3.00 per 100
Coronation..... 3.00 per 100

Boston Ferns. Plants well established, in 2½-inch pots $4.00 per 100; $30.00 per 1000.

Small Ferns. For Dishes. ..... $2 50 per 100

Asparagus Plumosus Nanus.
2½-inch pots, $3.00 per 100; $25.00 per 1000.

GERANIUMS. Per 100
A. H. Trego, John Doyle, S. A. Nutt, Berthe de Pressily, Mme. Barney..... $2 50
Our choice of varieties, in pink, red and white 2.00

BEGONIAS.
Marjorie Daw, Thurstoni, Metallica, Rubra and Argentea Guttata..... 4.00
Tuberous Rooted, Single, in named colors, white, pink, scarlet, crimson and yellow.... $3.00
Mixed..... 2.50
Tuberous Rooted, Double, in named colors, white, pink, scarlet, crimson and yellow.... 5.00
Mixed..... 4 00

Bougainvillea Glabra Sanderiana.
2½-inch, $4.00 per 100; 4-inch, ready to bloom..... $20.00 per 1000

Boxwood. Pyramids, 36 inches high. .....$1.75 each

Boxwood. Bush form, very heavy, 30 to 36 inches high..... $2 00 each

Rhododendrons. Short, well formed plants for pots, full of buds,
18-inch size..... $ 9 00 per dozen
24-inch size..... 12.00 per dozen

Azalea Mollis Bushy plants, full of buds and easy to force.
12 to 15 inches high..... $25.00 per 100
15 to 18 inches high..... 35.00 per 100

Kentia Palms in all sizes.

Latania Borbonica. 7-inch pot plants, 5 to 6 leaves, 18 to 2 inches high, 75c each; 8-inch pot plants, 6 to 7 leaves, 20 to 22 inches high..... $1.25 each

THE STORRS & HARRISON CO., Painesville, Ohio

Alternantheras.

Strong rooted cuttings, red and yellow, 50c per 100, or $4.00 per 1000. **Brilliantissima** 60c per 100, or $5.00 per 1000.

DAVIS BROS., Morrison, Ill.

SALVIA ZURICH.

The Ever-Blooming Salvia.

Propagation from carefully selected stock; absolutely true and of even type, 2-in. $1.00 for 25, $3.00 for 100; $25.00 for 1000. Rooted cuttings $1.75 for 100; $15.00 per 1000.

J. L. Schiller, 929 Prouty Avenue TOLEDO, O.

Lincoln, Neb.

Business here has been very good all winter; the best in years. On St. Valentine's Day the demand was greater than ever before, everything selling well. Roses, carnations, daffodils and violets were in especially good demand also plants of all kinds, both flowering and decorative. Business, in short, could hardly have been better.

C. H. Frey is just completing a fine new range of glass. Unfortunately, Mr. Frey is in quarantine at his home, on account of the illness of his son, who has been down with scarlet fever, but is mending, and, it is hoped, will soon be around again. E.

LYONS, IA.—Mrs. M. E. Eaton has sold out to J. R. Bather of Clinton.

LOUISIANA, MO.—The greenhouses belonging to Charles Foreman caught fire early February 8 and were destroyed. Mr. Foreman was killed by a falling chimney and his brother George and several firemen were severely burned and otherwise injured. George Foreman will lose the sight of both eyes and it is doubtful if he will recover.

Neph. Whitmani

2¼-inch........................$ 5.00 per 100
3½-inch........................ 25.00 per 100

Boston Ferns 2¼-inch, $3.00 per 100.

Henry H. Barrows & Son, WHITMAN, MASS.

Mention the American Florist when writing

ARAUCARIAS.

Nice plants from 5-in. pots, 4 to 5 tiers

60c each. $5.50 per dozen.

The Conard & Jones Co. WEST GROVE, PA.

NEW PLANTS

GLADIOLUS Lemoinei and Nancianus.

V. LEMOINE & SON, Nancy, France.

Catalogues on application.

30,000 Dahlias

Extra good field-grown clumps, grown in the famous Wisconsin strawberry belt. Satisfaction guaranteed. Good clumps, 2c and up. List ready.

H. W. KOERNER, Station B, MILWAUKEE, WIS.

Gladioli....

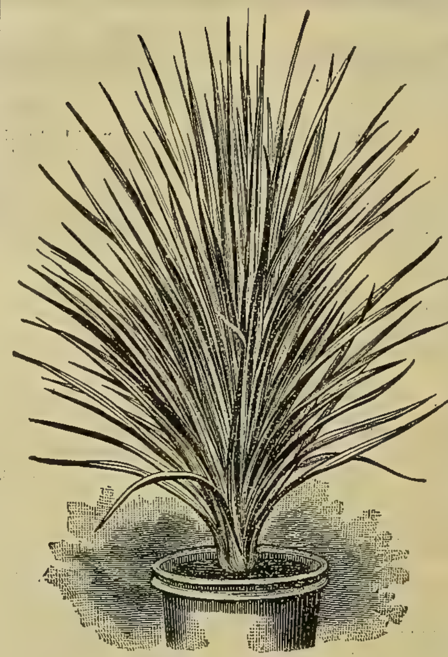
Write for 1908 trade list of Named Varieties, Color Sections and Choice Mixtures. First-class stock at reasonable prices:

E. E. STEWART, RIVES JUNCTION, MICH.

Sprengeri, 2-in. 2c **Swainsonia alba,** 2-in., 2c. **Ferns,** Piersoni, Elegantissima, 2-in. 3c.
Rooted Cuttings prepaid per 100: **Flowering Begonias,** $1.25 per 100; **Paris Daisies,** yellow and white, $1.00 per 100; Alexandra $1.25. **Petunia,** double, 10 kinds $1.00; **Swainsona Alba,** $1.00. **Cuphea,** 75c. **Heliotrope,** 3 kinds $1.00. **Fuchsia,** 5 kinds, $1.25. **Vinca Variegata,** 90c. **Hardy Pinks,** 5 kinds, 75c. **Alternanthera,** 3 kinds, 50c. **Coleus,** 10 kinds, **Ageratum,** Gurney, Pauline, White, Inimitable, 60c. **Alyssum,** dbl., 75c. **Salvia,** Bonfire, Splendens, 90c. **Feverfew,** Gem, $1.00. **Parlor Ivy,** 75c. **Cabbage Plants,** Wakefield, Express, Winningstadt, $1.00 per 1000.

Cash or C. O. D.

BYER BROS., Chambersburg, Pa.



Dracena Indivisa,

4-in....	$ 2.00	per doz.
5-in....	3.00	"
6-in....	6.00	"
7-in....	9.00	"
8-in....	12.00	"

DAHLIAS

are becoming more and more popular every season for cut flowers, and every florist should plant liberally of these plants in the spring. By ordering now plants can be propagated in greenhouse.

Single Dahlias.

	Clumps Per 100	doz.
J. Cowan, fine scarlet	$ 6 00	1 00
Fashion, crimson maroon	6 00	1 00
Jno. Downie, crimson	6 00	1 00
Sunningdale, blush white	6 00	1 00
Lustre, cheerful rosy pink, shading to blush at centre	6 00	1 00

Cactus Dahlias.

	Clumps Per 100	doz.
Mrs. A. Beck, twisted petals, rich salmon red with scarlet reflex	$ 6 00	$ 1 00
Prof. Baldwin, cardinal red	6 00	1 00
Countess of Lonsdale, a peculiar but pleasing blending of salmon, pink and amber a color difficult to describe	10 00	1 50
Kriemhelde, pink, shading to white at center	10 00	1 50
F. Bartels, bright scarlet	10 00	1 50
Miss A. Nightingale, bright red shading to golden yellow at center	10 00	1 50

Show Dahlias.

	Clumps Per 100	doz.
A. D. Livoni, a pure quilled pink	$10 00	$ 1 50
Camilla Alba, pure white dwarf and bushy	10 00	1 50
One lot of good varieties of all kinds mixed	3 00	50
One lot mixed yellow	00	50

Decorative Dahlias.

	Clumps Per 100	doz.
Oban, rosy lavender	$10 00	$ 1 50
Iridescent, vivid red tipped with blue	10 00	1 50
Sylvia, pink white to center	10 00	1 50
Lancelot, bright scarlet	6 00	1 00
Mrs. Geo. Reed, purple with white tint	6 00	1 00

The Geo. Wittbold Co., 1657 Buckingham Place, **Chicago.**

FERNS

2¼-inch Boston, extra strong	$ 3 00 per 100;	$ 25 00 per 1000
3 -inch Boston, extra strong	6 00 per 100;	55 00 per 1000
4 -inch Boston, extra strong	10 00 per 100;	95 00 per 1000
3- inch Scotti and Elegantissima	8 00 per 100;	75 00 per 1000
4 -inch Scottii	12 50 per 100;	100 00 per 1000
2¼-inch Elegantissima	4 00 per 100;	35 00 per 1000
4 -inch Elegantissima	15 00 per 100	
6 -inch Boston and Piersoni	35 00 per 100	

2¼-inch Asparagus Plumosus	$3 00 per 100;	$25 00 per 1000
3 -inch Asparagus Plumosus	5 00 per 100;	45 00 per 1000
2¼-inch Asparagus Sprengeri	2 25 per 100;	20 00 per 1000
3 -inch Asparagus Sprengeri	5 00 per 100;	45 00 per 1000
4 -inch Asparagus Sprengeri	8 00 per 100;	75 00 per 1000

THE MOSBÆK GREENHOUSE CO., ONARGA, ILL.

DAHLIAS.

H. CANNELL & SONS are the largest growers and have the most complete collection in the world. Have received for over 20 years

THE HIGHEST AWARDS

from the National Society, and also gained renown for the most successful consignments of roots to all parts. Catalogue to purchasers sent free.

Home of Flowers, Swanley, Kent, England.

Up to Date Directory Giving all the Country's Florists Seedsmen Nurserymen

PRICE $3.00.

DREER'S FINE FERNS

We offer in particularly nice shape at the present time:

Cyrtomium Falcatum	Pteris Cretica Alba Lineata
Cyrtomium Fortunei	Pteris Cretica Magnifica
Davallia Stricta	Pteris Wimsetti
Dicksonia Antarctica	Pteris Wimseti Multiceps
Lastrea Chrysoloba	Pteris Mayii
Lastrea Opaca	Pteris Hastata
Onychium Japonicum	Pteris Ouvrardi
Pteris Adiantoides	Pteris Serrulata Cristata
Pteris Argyrea	Pteris Tremula
Pteris Wilsoni	Pteris Victoriæ

also Extra Choice Mixed varieties. All the above from 2 1-4-inch pots, $3.50 per 100; $30.00 per 1000.

Pteris Adiantoides	Pteris Ouvrardi
Pteris Cretica Alba Lineata	Pteris Wilsoni
Pteris Mayii	Pteris Wimsetti Multiceps
Pteris Magnifica	Lastrea Opaca

also Extra Choice Mixed Varieties. All the above from 3-inch pots, $6.00 per 100; $50.00 per 1000.

FOR GROWING ON.

Adiantum Croweanum. Unquestionably the best of all the Adiantums to grow for cutting; always in good demand and at profitable prices; a good lot of 3-inch pots. $15.00 per 100; $140.00 per 1000.

Nephrolepis Whitmani. A fine lot of this very useful plume variety, 2¼-inch pots, 75c per doz; $5.00 per 100; $40.00 per 1000.

epis Bostoniensis. A large stock of this popular variety, 2¼-inch pots, 6Cc per doz.; $4.00 per 100; $35.00 per 1000.

Nephrolepis Todeaoides. This English introduction is unquestionably the best of the plume varieties for growing into large specimens. 2¼-inch pots, 30c each; $3.50 per doz.; $25.00 per 100. 4-inch pots, 50c cach; $5.00 per doz.; $40.00 per 100.

Nephrolepis Amerpohli. The most graceful of the Nephrolepis; beautiful, fine divided foliage; especially fine for growing in 5 and 6 inch pans; 2¼-inch pots, 35c each; $3.50 per doz.; $25.00 per 100; $200.00 per 1000.

Fern Flats. The following varieties are still in stock in good condition; potted up now they will make good spring selling plants:

Cyrtomium Falcatum,	Pteris Cretica Alba Lineata,
Pteris Mayii,	Pteris Harrisoni,
Pteris Serrulata Cristata,	Pteris Wimsetti Multiceps.

About 200 plants in a flat, $2.00 per flat.

HENRY A. DREER, 714 Chestnut Street, Philadelphia, Pa.

NEW VIOLET BOSTON.

In introducing this new variety to the trade I wish to state that I have been growing it in quantity for the past two years and do not hesitate to state that it is entirely distinct. a strong grower. a free bloomer and the finest single violet in cultivation. Ready for distribution in April and Mav. Orders booked now. **$2.00** per doz.: **$12.00** per 100: **$100.00** per 1000. 500 at 1000 rates.

WILLIAM SIM, **Cliftondale, Mass.**

Mention the American Florist when writing

Springfield, Mass.

The Amateur Horticultural Society held an unusually interesting meeting February 7, at Odd Fellows' hall, when G. H. Sinclair of Northampton and J. Van Leuren of Holland epoke thus: "If you want to get your musk- "Horticulture in Holland, Belgium and England," spending much of his time describing the gardens at Kew in London, and of the wonders in the immense greenhouses there. He then spoke of the beauties of horticulture in Holland, and dwelt at length on the matter of bulbs. In speaking of Belgium he confined himself to the beauties of the country in general.

Mr. Van Leuren followed with a description of the raising of hyacinths, tulips and crocuses in Holland. He said that the tiny area included in a space 20 miles long and three miles broad was the only place in the world where the bulbs were grown successfully, and stated that he had been offered a salary of $5,000 a year and $250,000 working capital if he would find some place in this country where the bulbs could be grown as well. The meeting was a regular meeting, and the new board of managers and the women's entertainment committee of 18 were appointed.

60 Choice Varieties of

VERBENAS

PERFECTLY HEALTHY—NO RUST.

ROOTED CUTTINGS, our selection.................$0 75 per 100; $ 6 00 per 1000
PLANTS, our selection, 2¼-inch pots.................. 2 50 per 100; 20 00 per 1000

ROOTED CARNATION CUTTINGS Clean and Healthy...

WHITE VARIETIES.	Per 100	Per 1000
White Perfection	$6 00	$50 00
White Enchantress	6 00	50 00
Lady Bountiful	3 00	25 00
My Maryland	3 00	25 00
The Queen	2 00	17 50
Queen Louise	2 00	17 50
Flora Hill	1 50	12 00
RED VARIETIES.		
Cardinal	$3 00	$25 00
Robert Craig	3 00	25 00
Flamingo	2 50	20 00
Crisis	2 00	17 50
Portia	1 50	12 00
Governor Roosevelt	2 00	17 50
Harlowarden	2 00	17 50

PINK VARIETIES.	Per 100	Per 1000
Enchantress	$3 00	$25 00
Mrs. Thomas Lawson	2 00	17 50
Dorothy	1 50	12 50
Mrs. E. A. Nelson	1 50	12 00
William Scott	1 50	12 00
Mrs. Francis Joost	1 50	12 00
YELLOW VARIETIES.		
Golden Beauty	$2 00	$17 50
Buttercup	2 50	20 00
Eldorado	2 00	17 50
VARIEGATED VARIETIES.		
Jessica	$3 00	$25 00
Mrs. M. A. Patten	2 50	20 00
Judge Hinsdale	2 50	20 00

60,000 Grafted Roses for Forcing THE FINEST GROWN.

Orders booked for delivery in April, May and June.

	Per 100
Chatenay, Killarney, Richmond, Liberty, La France, rose pots	$15 00
3½-inch pots	18 00
Bride, Bridesmaid, Golden Gate, Kaiserin, rose pots	$10 00
3½-inch pots	15 00

OWN ROOT ROSES.....................................$9 00 and $7 00 per 100

—SEND FOR PRICE LIST.—

J. L. DILLON, Bloomsburg, Pa.

Send Advts. Early for Best Service.

London.

Trade at Covent Garden Market has improved for the week, possibly owing to the opening of parliament. Mid-week saw a real slump in daffodils and narcissi, English and Channel Island grown. First of Sir Watkin sold at $2 per dozen bunches. Lilium Harrisii is worth $1.25 to $1.50 per dozen.

In pot plants, which were a quiet trade, cinerarias and genistas made $2.50 to $3 per dozen; Azalea Indica a good trade at $1.25 each. Palms are a better trade for home grown. Imported palms, dracænas and aspidistras are also a rather better sale.

A CALL AT THE HOME OF FLOWERS.

There is always something of interest at H. Cannell & Sons', the home of flowers, Swanley, and when calling recently the begonia houses were very interesting. A large span-roofed house is full of the bulbs, laid close on sand or cocoanut fiber. They are in immense numbers and will be potted as they start. This firm supplies 12,000 bulbs annually for Hyde park for bedding. The cactus house, 160 feet long, was in fine shape, the plants perfectly clean and healthy. The "One and Only" fruit tree and plant wash sent out by this firm is a wonder. It is fatal to mealy bug, red spider and other troublesome insects and is also a fertilizer. S.

2,000 Asp. Sprengeri,

4-in. pots, extra strong, $10.00 per 100.
Cash with order.

EDWARD TATRO,
401 East Iron Ave., SALINA, KAS.

LARGEST STOCK OF ALL

Belgian Plants.

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

Louis Van Houtte Pere,
GHENT, BELGIUM.

A FEW GOOD THINGS YOU WANT.

Asparagus Sprengeri, 2-in., $2.50 per 100; 3-in., $5.00 per 100. Seedlings, $1.00 per 100.
Geraniums, S. A. Nutt, John Doyle, Perkins, Ricard, Double Gen. Grant, 2-in. pots, $2.50 per 100; Rooted Cuttings, $1.25 per 100. E. H. Trego, Castellane, Poitevine, Viaud, 2-in. pots, $3.00 per 100; rooted cuttings, $1 50 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100; 3-in., $5.00 per 100.
Boston Ferns, 5-in., 30c each.
Vinca Var., 2-inch, $2.00 per 100.
Dracena Indivisa, 2-in. $3.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the Express Companies properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

SPECIAL We offer this week:

	Per 100
400 Arg. Guttata **Begonias,** 2½-in.	$3.00
400 Dew Drop and Erfordia, 2 to 2½-in.	3.00
100 Rubra, 2½-in.	3-50
1000 assorted, 6 to 10 varieties, 2 to 2½-in.	2.50
2½-in. **Petunias**, fine double fringed, 3 vars.	2,50

Write us at once in regard to **Hydrangeas, Lilies, Azaleas,** etc. Ask for our spring list.

Special Values in Bostoniensis Ferns.

5000 2½-in., worth $5 00, for	$ 3.50 per 100
1000 4-in., worth $15 00, for	12.50 per 100
1000 5-in., worth 25 00, for	22.50 per 100
1000 6-in., worth 50 00, for	37.50 per 100

This special is for cash, and satisfaction guaranteed or money refunded. Ask for our complete list of **Ferns** and **Soft Wooded Plants.** Price good until Feb. 5, unless sold out before.

GEO. A. KUHL, Wholesale Grower. **Pekin, Ill.**

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ALWAYS IN DEMAND.

Araucaria Robusta Compacta and Excelsa Glauca.

The lion of the Araucaria family, as big as a Christmas tree, perfect jewels in shape and color, about the same in width as in height. Specimen plants, 6 to 7-in. pots, 6 years old, 4-5 tiers, 28, 30, 35, 40 in. high, worth a ten dollar bill, only $3.00; 6-in. pots, 6 years old, 4, 5, 6 tiers, about 25 to 28 in. high, $2.50; 6-in. pots, 5 years old, 3, 4, 5 tiers, 20 to 25 in. high, $2.00; 6-in. pots, 5 years old, 3-4 tiers, 18 to 20 in. high, $1.50 to $1 75; 6-in. pots, a trifle smaller, 3-4 tiers, Glauca only (no Compacta), $1.25.

Araucaria Excelsa, 6 years old, 6 to 7 in. pots, 5-6 tiers, 25-30 in. high, $1.50; 6-in. pots, 5 years old, 5 tiers, 22-25 in. high, $1.00 and $1.25; 6-in. pots, 4 to 5 years old, 4-5 tiers, 20-22 in. high, 75c; 5¼-in. pots, 2 years old, 2-3 tiers, stocky little plants, 6-7-8 in. high, 40c. Sold out of 50-60c sizes.

Kentia Belmoreana and **Forsteriana,** Belgium and home-grown stock, 4-in. pots, 18 to 20 in. high, 35c; 5¼, 5½ and 6 in. pots, bushy plants, 50c, 60c and 75c each.

Asparagus Plumosus Nanus Compacta, 4-in. pots, $10.00 per 100.

Dracena Bruanti, from Belgium, full of green foliage from bottom to top, 6-in. pots, 22 to 25 in. high, 40c each

Begonia Improved Erfordii, 4-in pots, very large, $2.00 per doz.; 5¼-in., in bloom and bud, 25c each, or $3.00 per doz. **Begonia Gracilis,** dark red, in bloom, 5¼-in. pots, 25c.

Cineraria Hyb., 4-in. pots, fast strain, $10.00 per 100; 5-in., $2.00 per doz.

Cyclamen Grandiflora, 4-in., in bud and bloom, 20c.

Ficus Elastica or **Rubber Plant,** home grown and Belgium stock, 5, 5½, 6 and 7 in. pots, 30c, 35c, 50c, 60c and 75c each.

☞ Now is the time to force **Hydrangea Otaksa** for Easter blooming. Remember only pot-grown will force successfully for Easter. We raise ours in pots outside in cold frames during summer. Can spare of these about 500 plants from 6 to 7-in. pots. Price, 25c, 35c, 50c and 75c each.

Cocos Weddelliana (Palm), 3-in. pots, 12-15-18 in. high, 15c to 18c each.

Azaleas, red and variegated, in bloom, 75c.

Azalea Indica for Easter blooming. Have an immense stock grown for us in Ghent, Belgium, by an expert in azaleas. Have only leading varieties, such as Mme. Van der Cruyssen (2,500 alone, all shapely plants, full of buds), Simon Mardner, Vervæneana, Bernard Andreas Alba, Apollo, Niobe, Deutsche Perle, Prof. Wolters, Empress of India, and others; 6-in. pots, 50c; 6-7 in. pots, 60c, 75c, $1.00, $1.25, $1.50, $2.00 to $2 50 each.

Latania Borbonica, 4-in. pots, about 18 to 20 in. high, 25c each.

Choice Nephrolepis, all pot-grown.

A middle bench full of choice **Whitmani Ferns** in splendid shape, 7-in. pots, bigger than 8 in., made up in July (three plants in pot), now big as a bushel basket, worth $3.00, and are beauties, cut down to $1.50 and $1.25 per pot; 6-in. pots, very handsome, 75c to $1.00 eacF.

Boston Ferns, 8-in. pots, made up, very bushy, as big as a wash-tub, worth $3.00, only $1.25 to $1.50; 7-in pots, as big as a bushel basket, worth $2.00, price 75c to $1.00; 6-in. pots, very large, only 50c; 5-5½-in. pots, 30c, 35c and 40c.

Scottii Ferns, 7-in. pots, very large, $1 00 to $1.25; 6-in. pots, 50c, 60c and 75c.

Piersoni Ferns, 6-in., good, 50c; 5-5½-in. 30c, 35c and 40c; 4-in. pots, 25c.

Please mention if in or out of pots. All goods must travel at purchaser's risk. Cash with order, please

GODFREY ASCHMANN, 1012 West Ontario Street, **Philadelphia**
Importer, Wholesale Grower and Shipper of Pot Plants.

GERANIUMS

Our New Illustrated Catalogue mailed to the trade.

An immense stock of plants in 2-inch pots, ready for immediate shipment	$2.00 per 100 up to $1.00 each
Our selection of 20 good varieties	$18.50 per 1000
New varieties 1905 6 introduction, one plant each of 50 kinds	$ 5.00
1907 Novelties, Bruant's, Cannell's, Boucharlet and Lemoine introduction, one each of 50 kinds	10.00

	Per 100
Pelargoniums, strong plants, 2 in. pots	$6.00
Ivy Leaved Geraniums, 6 good varieties $25.00 per 1000	3.00
Dahlia Roots, 100 varieties, whole field clumps	5.00
Hardy Chrysanthemums, 75 varieties $2.00 to	3.00
Alyssum, Giant double	2.00
Cuphea, Cigar plant	2.00
Coleus, Verschaffeltii, Golden Bedder, and other kinds	2 00
Fuchsias, Black Prince and Minnesota	2.00
Lieutenant Muritz, White and Rose Phenomenal	2.50

	Per 100
Hardy English Ivy, extra strong $15.00 per 1000	2.00
Hollyhocks, strong 3-in. pot plants, dbl. white, pink, red and yellow	3 00
Lobelia, Crystal Palace Gem	2.00
Panicum, Variegated, handsome basket plants	2.00
Tradescantia, dark variegated	2.00
Verbena, red, white purple and pink	2.00
Caladium Esculentum, first size	2.00
Second size	1.00
Lavender, 2½ in. pots, strong	3.00
Swainsona alba	2.00

Visitors always welcome. Cash with order.

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10,000

Dbl. Red Geraniums

Best bedders, 2½-in. $3.00 per 100; $25.00 per 1000. Send for samples. Good, strong plants. **MUST HAVE ROOM.**

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ROOTED CUTTINGS.

All engaged until early in March. Will have a big lot then. Send for list and place your order if wanted at that date.

ALBERT M. HERR, Lancaster, Pa.

PANSY PLANTS.

	Per 1000	100
Giant Flowering	$ 2.50	,50
Coleus, 10 varieties, 2¼-in. pots		2,00
Canna, C. Henderson, dry bulbs		2.00
Geraniums, 10 vars., 2½-in. pots	25.00	3.00
Vinca, Variegated, 2¼-in. pots		2 50

—CASH.—

JOS. H. CUNNINGHAM, Delaware, O.

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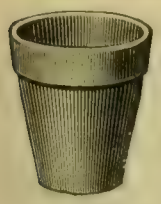
ROOTED CUTTINGS. Prepaid per 100. Heliotrope German Ivy, 75c; Alternanthera 50c; Coleus, Ageratum, 60c; Salvia, 85c. Giant Marguerite Daisy, yellow, Fuchsia, $1.00 Mad. Salleroi, Ger., $1.25. Cash. List Free.
SHIPPENSBURG FLORAL CO. Shippensburg, Pa



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THE LARGEST MANUFACTURERS OF
STANDARD FLOWER POTS
PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.

Buffalo.

VALENTINE TRADE GOOD.

The past week has been very changeable from extremely cold and deep snow to a very warm rain and the disappearing of the snow. Trade has been very good, especially St. Valentine's Day. From what was an ordinary day it has become one of the busiest of the year, Christmas and Easter excepted. It is safe to say that the retailers of this city were never before as busy on St. Valentine's Day as this year, nor were the receipts ever so large. There may be several reasons for this. It may be that the fancy hand painted silk valentine or the box of Huyler's decorated with hearts have become "passé," or the live florist, by a pretty window and a good, judicious amount of printers' ink in a daily paper setting forth the wisdom of sending a box of roses, carnations, violets, lily of the valley or a plant to the fair maidens has set the young man or the husband thinking that flowers are the proper and nicest thing to send. I think the advertisement in the paper does a lot to help solve the question. One may have an advertisement in a programme of a theater, dance, fair, church or any other attractive book and spend as much money, but will one get the results that can be obtained by one good, large advertisement in one, two or three of the daily papers for one day?

NOTES.

There was a meeting of the Florists' Club, February 14, which must pass down as a record breaker in the history of the club. There was a good attendance of the old members and applications from 20 new ones, which were acted on and all were elected. Motions, resolutions and amendments were as thick as in the legislature and were ably handled by President Neubeck. Nominations for office for the ensuing year were made and the following were nominated: Chas. Sandeford and Chas. Reickert for president; Geo. McClure, Jr., and David Scott, vice-president; Wallace Eiss, treasurer; J. R. Cloudsley, secretary; E. C. Brucker, financial secretary, the latter being the only one renominated.

Everything looks promising for a busy year for the club and from the interest manifested by all present, there will be something doing this summer. After the meeting a bounteous lunch was served and all had a very enjoyable time. The election will take place March 6 and from the committee appointed by President Neubeck to make arrangements for a banquet and entertainment, a good time is assured. Pre-Lenten entertainments have every indication of being brisk. It was very pleasing to see at the meeting D. J. Scott, of Corfu; C. White, of Gasport; C. Forbach, T. Venneman and W. Buechi, of Pine Hill; C. H. Keitsch, J. G. Pickleman and Geo. McClure, of this city. Such energetic business men as these are all that is wanted to make a club a success with their attendance.

BISON.

JACKSONVILLE, FLA.—Sawyer & Payne are preparing to build several new greenhouses and are going considerably into the nursery business.

THE KELLER POTTERY COMPANY,
Manufacturers of FLORISTS' RED STANDARD POTS.
Azalea Pots, Bulb and Fern Pans, Etc.
Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.
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The Ionia Pot is the Best Pot.
That's the reason why it was necessary to double our capacity in 1907 to take care of the trade of 1908. Our factory equipment is the best. Our output is the largest.
Hand your next season's order to Uncle Sam today. Our invoice will be in your hands on his return trip.
IONIA POTTERY COMPANY, Ionia, Mich.

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Standard Flower Pots!
Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2-in., in crate,	$4.88	120 7-in., in crate,	$4.20
1500 2¼ "	5.25	60-8 "	3.00
1500 2½ "	6.00	HAND MADE.	
1000 3 "	5.00	48 9-in., in crate,	$3.60
800 3½ "	5.80	48 10 "	4.80
500 4 "	4.50	24 11 "	3.60
320 5 "	4.51	24 12 "	4.80
144 6 "	3.16	12 14 "	4.80
		6 16 "	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address
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or AUGUST ROLKER & SONS, New York Agents
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MANUFACTURERS OF
FLOWER POTS.
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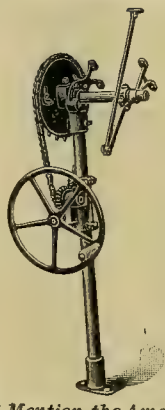

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a SUISNES, Brie

Par Grisy-Suisnes. (Seine et Marne), FRANCE.

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AGERATUMS.

Ageratum, Little Blue Star, R. C., 75c per 100; 2¼-in., $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Ageratums, Gurney, Pauline, White Inimitable, 60c. Byer Bros., Chambersburg, Pa.

ALTERNANTHERAS.

Alternantheras, R. C., red and yellow, 50c per 100; $4 per 1,000. Brillantissima, 60c per 100; $5 per 1,000. Davis Bros., Morrison, Ill.

Alternantheras, 3 kinds, 50c. Byer Bros., Chambersburg, Pa.

ALYSSUMS.

Alyssum, giant and dwarf, R. C., $1 per 100; 2¼-in., $2.25 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Alyssum, giant double. $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Alyssum, dbl., 75c. Byer Bros., Chambersburg, Pa.

AMPELOPSIS.

Ampelopsis Veitchii, strong, well rooted plants, 20 to 30-inch tops, well graded, $2.50 per 100; $20 per 1,000; 1-year-old for transplanting, 12 to 24-inch, $1.50 per 100; $12 per 1,000; 2,000 for $20. For sample send 25c, which will be credited on the first order. Charles Black, Hightstown, N. J.

ARAUCARIAS.

Araucarias, Robusta and Excelsa, 6 to 7-in., 4 to 5 tiers, 28 to 40 ins., $3; 6-in., 4 to 6 trs., 25 to 28 ins., $2.50; 6-in., 3 to 5 trs., 20 to 25 ins., $2; 6-in., 3 to 4 trs., 18 to 20 ins., $1.50 and $1.75; 6 in., 3 to 4 trs., glauca only, $1.25. Excelsa, specimen, 6 to 7 in., 5 to 6 trs., 25 to 30 ins., $1.50; 6-in., 5 trs., 22 to 25 ins., $1; 6-in., 4 to 5 trs., 20 to 22 ins., 75c; 5½-in., 3 to 4 trs., 12 to 16 ins., 50c and 60c; 5¼-in., 2 to 3 trs., 40c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Araucarias, 5-in., 4 to 5 tiers, 60c each; $5.50 per doz. Conard & Jones Co., West Grove, Pa.

Araucarias. L. Van Houtte, Ghent, Belgium.

ASPARAGUS.

Asparagus plumosus, 2-in., strong, $3 per 100, $25 per 1,000; 3-in., strong, $7 per 100, $65 per 1,000; 4-in., strong, $12 per 100, $100 per 1,000; 5-in., strong, $20 per 100; $175 per 1,000; strong seedlings, ready to pot, $1.25 per 100, $10 per 1,000. Vaughan's Seed Store, Chicago and N. Y.

Asparagus plumosus, 2½-in., $3.50 per 100; $30 per 1,000; 3-in., 6c; 3½-in., 10c; 4-in., 12c; 5-in., 20c; 6-in., 30c. Comorensis, 2-in., 2c; 2½-in., 3c; 3½-in., 6c. Sprengeri, 2½-in., 3c; 3½-in., 8c; 4-in., 10c. J. W. Dunford, Clayton, Mo.

Asparagus plumosus, 2-in., $2.75 per 100; $25 per 1,000; Seedlings, $1.25 per 100; $9 per 1,000. Wm. F. Kasting Co., Buffalo, N. Y., or Erie Floral Co., Erie, Pa.

Asparagus Sprengeri, 4-in., 6c; 3-in., 4c. Plumosus nanus, 3-in., 4c; 2½-in., 3c. J. D. Thompson Carnation Co., Joliet, Ill.

Asparagus plumosus, 2½-in., $3 per 100; $25 per 1,000. Storrs & Harrison Co., Painesville, O.

Asparagus plumosus, 3-in., $7 per 100; 4-in., $10. G. Aschmann, 1012 W. Ontario St., Phila.

Asparagus plumosus, 2¼-in., $3.50 per 100; $30 per 1,000. W. H. Elliott, Brighton, Mass.

Asparagus Sprengeri, 2½-in., $3 per 100; $25 per 1,000; 3-in., $35 per 1,000; Plumosus, 6-in., for benching, $15 per 100; $125 per 1,000. Poehlmann Bros., Morton Grove, Ill.

Asparagus Sprengeri. 2¼-in., extra strong plants ready to shift into 3½-in., $2.50 per 100. The Perennial Gardens Co., Toledo, O.

Asparagus Sprengeri, 4-in., $10 per 100. Edw. Tatro, 401 E. Iron Ave., Salina, Kans.

Asparagus Sprengeri, 2-in., 2c. Byer Bros., Chambersburg, Pa.

Asparagus plumosus, 3-in., $5 per 100. Buffalo Cut Flower Co., Buffalo, N. Y.

The American Florist invites attention to the class of business firms in its adv. columns.

AZALEAS.

Azaleas. J. W. Dunford, Clayton, Mo.

Azalea Indica, leading vars., 6 and 7-in., 60c to $2.50 each. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Azaleas, Schryveriana, Simon Mardner, Vervaeneana, Mme. Van der Cruyssen. Deutsche Perle 8 to 10 ins. diam., $3.50 per doz; $25 per 100; 10 to 12 ins., $4.50 per doz.; $35 per 100; 12 to 14 ins., $6 per doz.; $45 per 100; 14 to 15 ins., $7.50 per doz.; $60 per 100; 15 to 16 ins., $9 per doz.; $75 per 100; 16 to 18 ins., $12 per doz., $90 per 100; 18 to 20 ins., $25 per doz.; $200 per 100; 20 to 24 ins., $36 per doz.; $300 per 100. Bobbink & Atkins, Rutherford, N. J.

Azalea mollis, full of buds, 12 to 15 ins., $25 per 100; 15 to 18 ins., $35 per 100. Storrs & Harrison Co., Painsville, O.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

Azaleas. Jacs Smits, Ltd., Naarden, Holland.

BAY TREES.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

Bay trees. L. Van Houtte, Pere, Ghent, Belgium.

Bay trees. W. & T. Smith Co., Geneva, N. Y.

BEGONIAS.

Begonias. Marjorie Daw, Thurstoni, Metallica, Rubra and Argentea guttata, $4 per 100. Tuberous rooted, single, named colors, $3 per 100; mixed, $2.50 per 100; double, $5 per 100; mixed, $4 per 100. Storrs & Harrison Co., Painesville, O.

Begonias, argenteo guttata, 2½-in., $3 per 100; Dew Drop and Erfordia, 2½-in., $3 per 100; rubra, $3.50; assorted, 6 to 10 vars., $2.50. Geo. A. Kuhl, Pekin, Ill.

Rex begonias, $5 per 100; $45 per 1,000. Dingee & Conard Co., West Grove, Pa.

Begonias, flowering, R. C., $1.25 per 100. Byer Bros., Chambersburg, Pa.

Begonia Gloire de Lorraine, 2¼-in., $15 per 100; $140 per 1,000. Wm. F. Kasting, Buffalo.

Begonias. L. Van Houtte, Pere, Ghent, Belgium.

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BOUGAINVILLEAS.

Bougainvillea glabra Sanderiana, 2½-in., $4 per 100; 4-in., ready to bloom, $20 per 100. Storrs & Harrison Co., Painesville, O.

BOXWOOD.

Boxwood, pyramid, 36 ins., $1.75 each. Bush form, 30 to 36 ins., $2 each. Storrs & Harrison Co., Painesville, O.

Boxwood: Jacs Smits Ltd., Naarden, Holland.

BULBS, ROOTS, TUBERS.

Bulbs, tuberoses, true dwarf Excelsior strain, 1st size, $1 per 100; $9 per 1,000. Gladiolus, Princeps, Medium, $9 per 100; Mrs. Francis King, $4 per 100; $30 per 1,000; America, $7.50 per 100; $60 per 1,000; Augusta, $2 per 100; $17 per 1,000; Brenchleyensis, $1.45 per 100; $12 per 1,000; Ceres, $1.45 per 100; $12.50 per 1,000; Mme. Moneret, $1.75 per 100; $15 per 1,000; May, $1.95 per 100; $15 per 1,000; "1900," $2.50 per 100; Shakespeare, $4.25 per 100; $38 per 1,000. Begonias, tuberous rooted, single white, yellow, scarlet and pink, 35c per doz.; $2.50 per 100; double white, yellow scarlet and pink, 60c per doz.; $4.50 per 100. Gloxinia. separate colors, 50c per doz.; $3.50 per 100. Vaughan's Seed Store, Chicago and N. Y.

Bulbs, tulips: Belle Alliance, $1.25 per 100; Couleur Ponceau, 55c; Crimson King, 90c; Duchesse de Parma, 70c; Duc van Thol, red, yellow edge, 70c; rose, $1.10; scarlet, 85c; white, $1; Joost van Vondel, red and white, 90c; Keizerskroon, $1.15; L'Immaculee, 45c; La Reine, 55c; Mon Tresor, $1; Pottebakker, scarlet, $1.25; pure yellow, $1.65; Prince of Austria, $1.40; Proserpine, $1.90; Rose Gris de Lin, 75c; Crown of Roses, $2.15; Duc van Thol, red and yellow, 40c; Gloria Solis, 80c; Tournesol, red and yellow, $1; Yellow Rose, 50c; late flowering, all kinds, 75c. Mixed narcissus, 50c per 100; $4 per 1,000. James Vick's Sons, Rochester, N. Y.

Bulbs, hyacinths, single, King of the Blues, Czar Peter, Norma, etc., $3 per 100; mixed, $2 per 100; double: Goethe, Lord Ragland, Pure d'Or, Bloksberg, etc., $3 per 100. Crocus, named, $3 per 1,000; mixed yellow; mixed purple, $2.50 per 1,000. Dingee & Conard Co., West Grove, Pa.

Bulbs, Gladiolus primulinus, $8 per doz.; $60 per 100. Primulinus hybrids, $3 per doz.; $20 per 100. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, French bulbs; Japan lilies; Lilium Harrisii. Wm. Hagemann & Co., 55 Dey St., New York.

Bulbs, Mexican tuberoses, 1st size, $8 per 1,000; 2nd size, $6 per 1,000. Furrow & Co., Guthrie, Okla.

Bulbs, hyacinths, tulips and narcissus. W. J. Eldering & Son, Overveen, Haarlem, Holland.

Bulbs, hyacinths, tulips, narcissus, crocus, spiræas, gladiolus. Van Zanten Bros., Hillegom, Holland.

Bulbs of all kinds. A. T. Boddington, 842 W. 14th St., New York.

Caladiums, fancy leaved, named sorts, $1.50 per doz.; $10 per 100; mixed, $1.25 per doz.; $8 per 100. H. H. Berger & Co., 70 Warren St., New York.

Caladium esculentum, 1st size, $2 per 100; 2nd size, $1. R. Vincent, Jr. & Sons Co., White Marsh, Md.

25,000 cannas; 25 leading sorts to exchange for alternantheras, achyranthes, Boston fern, echeverias, Acalypha tricolor, santolinas iresines, coleus, geraniums, roses, hydrangeas, begonias, dracænas, crotons. What have you? Send for list. C. E. Franke, Supt. of Parks, Oklahoma City, Okla.

Cannas, Chas. Henderson, Crimson Bedder, Beauty Poitevine, F. Vaughan, Queen Charlotte, Souv. de Antoine, etc., 2-eye Divisions, $3 per 100. $25 per 1,000. Storrs & Harrison Co., Painesville, O.

Cannas, dormant, 2-eyes, Chas. Henderson, the best red; Florence Vaughan, 2c; $1.90 per 100. W. H. Humfeld Floral Co., Kansas City, Mo.

Cannas. See our display advertisement for varieties and prices. Mosbæk Greenhouse Co., Onarga, Ill.

Cannas, Chas. Henderson, $2 per 100. Jos. H. Cunningham, Delaware, O.

Cannas, leading vars., $10 per 1,000 up. Dingee & Conard Co., West Grove, Pa.

Gladiolus bulbs, over 15,000 bushels harvested. Groff's hybrids and other strains and named varieties of exceptional merit. Write for 1907 illustrated catalogue. Arthur Cowee, Gladiolus Specialist. Meadowvale Farm, Berlin, N. Y.

Gladiolus America, $6.50 per 100; $60 per 1,000. White for prices on other stock. Cushman Gladiolus Co., Sylvania, O.

Gladiolus Lemoinei and Nanceianus. V. Lemoine & Son, Nancy, France.

Gladiolus, leading vars. E. E. Stewart, Rives Junction, Mich.

Gladiolus, Hyacinthus candicans, spotted callas, oxalis, cinnamon vine, German iris, lilies. E. S. Miller, Wading River, N. Y.

Lily of the valley, early forcing pips, $1.50 per 100; $12 per 1,000. H. N. Bruns, 1409-11 W. Madison St., Chicago.

Lily of the valley, for forcing, $11 per 1,000. W. C. Beckert, Pittsburg, N. S., Pa.

Lily of the valley, high class. Wm. Hagemann & Co., 55 Dey St., New York.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

CARNATIONS.

Carnations, White Lawson, Pink Lawson, R. C., $2 per 100; $20 per 1,000; 2½-in., $35 per 1,000. Var. Lawson, R. C., $2.20 per 100; $20 per 1,000; 2½-in., $35 per 1,000; Red Lawson, R. C., $2 per 100; $18 per 1,000; 2½-in., $32 per 1,000. Victory, Rose Pink Enchantress, Enchantress, R. C., $3 per 100; $25 per 1,000; 2½-in., $40 per 1,000. Beacon, Winsor, White Enchantress, Aristrocrat, R. C., $5 per 100; $45 per 1,000; 2½-in., $60 per 1,000, Welcome, R. C., $5 per 100. White Perfection, R. C., $4 per 100; $35 per 1,000; 2½-in., $50 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Carnations, White Perfection, White Enchantress, $6 per 100; $50 per 1,000. Lady Bountiful, My Maryland, Enchantress, Cardinal, Robt. Craig, Golden Beauty, $2 per 100; $17.50 per 1,000; Jessica, $3 per 100; $25 per 1,000. The Queen, Queen Louise, Lawson, Crisis, Governor Roosevelt, Harlowarden, Eldorado, $2 per 100; $17.50 per 1,000. Dorothy, Mrs. E. A. Nelson, William Scott, Joost, Portia, $1.50 per 100; $12.50 per 1,000. Flamingo, Buttercup, Mrs. Patten, Judge Hinsdale, $2.50 per 100; $20 per 1,000. J. L. Dillon, Bloomsburg, Pa.

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If you do not find what you need in our Ready Reference Department, write us about it.

Carnations, rooted cuttings, Afterglow, Andrew Carnegie, Defiance, Sarah Hill, Winona, $12 per 100; $100 per 1,000. White Enchantress, $6 per 100, $55 per 1,000. White Perfection, $3.50 per 100, $30 per 1,000. Lady Bountiful, Victory, Robt. Craig, Melody, Enchantress, $3 per 100; $25 per 1,000. Beacon, Aristocrat, Winsor, $6 per 100; $50 per 1,000. Red Chief, Red Riding Hood, $5 per 100; $40 per 1,000. Pink Patten, Mrs. Patten, $2.50 per 100; $20 per 1,000. Mrs. T. W. Lawson, Prosperity, $2 per 100; $15 per 1,000. Rose Pink Enchantress, $4 per 100; $30 per 1,000. Vaughan's Seed Store, Chicago and New York.

Carnations. Winsor, White Enchantress, from sand, $6 per 100; $50 per 1,000; from soil, $7.50 per 100; $60 per 1,000. Victory and Red Chief, from sand, $6 per 100; $50 per 1,000; from soil, $7.50 per 100; $60 per 1,000. Victory, Melody, White Perfection, from sand, $4 per 100; $35 per 1,000; from soil, $6 per 100; $45 per 1,000. Variegated Lawson, White Lawson, Red Lawson, from sand, $3 per 100; $25 per 1,000; from soil $4 per 100; $35 per 1,000; Winona and Afterglow, $12 per 100; $100 per 1,000. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

CARNATIONS.

	100	1,000
Enchantress	$2.50	$20.00
Lawson	2.00	15.00
Robt. Craig	2.50	20.00
W. Cloud	1.50	10.00
W. Lawson	2.00	15.00
Nelson Fisher	2.50	20.00

WIETOR BROS., 51 Wabash Ave., Chicago.

Carnation, White Perfection, Rose Pink Enchantress, Victory, Robt. Craig, $3 per 100; $25 per 1,000. White Enchantress, $6 per 100. Enchantress, $2 per 100; $15 per 1,000. Lawson, $1.75 per 100; $15 per 1,000. Helen Goddard, $2.50 per 100. Aristocrat, $5 per 100. Beacon, $6 per 100; $45 per 1,000. Harlowarden, $1.75 per 100; $15 per 1,000. Eli Cross, Grand Rapids, Mich.

Carnations, Lawson, $1.50 per 100; $12.50 per 1,000. Winsor, $5 per 100; $40 per 1,000. Rose Pink Enchantress, $3 per 100; $25 per 1,000. Enchantress, White Lawson, Lady Bountiful, $2 per 100; $15 per 1,000. B. Market, $1.25 per 100; $10 per 1,000. Beacon, $5 per 100; $40 per 1,000. Robt. Craig, $2.50 per 100; $20 per 1,000. Cardinal, $2 per 100; $17.50 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Carnations, Winona, $12 per 100; $100 per 1,000. Red Chief, Bonnie Maid, $5 per 100; $40 per 1,000. Aristocrat, Winsor, Beacon, White Enchantress, $6 per 100; $50 per 1,000. White Perfection, Rose Pink Enchantress, Enchantress, Lady Bountiful, Victory, $3 per 100; $25 per 1,000. Dorothy Whitney, $4 per 100; $30 per 1,000. Mrs. Patten, Harry Fenn, $3 per 100. F. Dorner & Sons, La Fayette, Ind.

Carnations, Harvard, $12 per 100; $100 per 1,000. Faust, $6 per 100; $50 per 1,000. Winsor, $6 per 100; $50 per 1,000. Rose Pink Enchantress, Pink Patten, $3 per 100; $25 per 1,000. Enchantress, Victory, Red Sport, $2.50 per 100; $20 per 1,000. Lawson, Queen Louise, $2 per 100; $15 per 1,000; Queen, $2 per 100; $12.50 per 1,000. James D. Cockroft, Northport, L. I., N. Y.

Carnations, Winsor, Helen Gould, Beacon, $6 per 100; $50 per 1,000. White Enchantress, $7 per 100; $60 per 1,000. Melody, Victory, $4 per 100. Enchantress, Lady Bountiful, Red Lawson, V. Lawson, W. Lawson, Daheim, $3 per 100; $25 per 1,000. Mrs. Lawson, B. Market, $2 per 100; $15 per 1,000. Wood Bros., Fishkill, N. Y.

Carnations, White Enchantress, $6 per 100; $50 per 1,000. White Perfection, Rose Pink Enchantress, Cardinal, Victory, $3 per 100; $25 per 1,000. White Lawson, Lady Bountiful, B. Market, Queen, Lawson, $2 per 100; $15 per 1,000. Enchantress, $2.50 per 100; $20 per 1,000. Lakeside Floral Co., Houghton, Mich.

Carnations. Enchantress, J. E. Haines, P. Patten, $2 per 100; $15 per 1,000. Lawson, $1.50 per 100; $10 per 1,000. Pink Imperial, $3.50 per 100; $30 per 1,000. White Perfection, $3 per 100; $25 per 1,000. Winsor, $6 per 100; $50 per 1,000. A. M. Herr, Lancaster, Pa.

Carnations. Winsor, Aristocrat, $6 per 100; $50 per 1,000. Victory, $3 per 100; $25 per 1,000. Enchantress, $2 per 100; $20 per 1,000. Lawson, $1.75 per 100; $15 per 1,000. White Lawson, $2 per 100; $18 per 1,000. E. T. Wanzer, Wheaton, Ill.

Carnations, Winsor, Beacon, Aristocrat, White Enchantress, $6 per 100; $50 per 1,000. White Perfection. Victory, $3 per 100. Lawson, Var. Lawson, B. Market, Craig, Candace, $1.25 per 100; $10 per 1,000. W. W. Coles, Kokomo, Ind.

Carnations, Enchantress, Lawson, B. Market, White Enchantress, Beacon, Winsor, Aristocrat, Rose Pink Enchantress, Victory, Lady Bountiful, Mrs. Patten, white, red and variegated Lawson, Harlowarden. A. F. Longren, Des Plaines, Ill.

Carnations. Beacon, Winsor, $6 per 100; $50 per 1,000. White Perfection, Rose Enchantress, $4 per 100; $35 per 1,000. Enchantress, $3 per 100; $25 per 1,000. Peter Fisher, Ellis, Mass.

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Carnations. Pure White Enchantress, Beacon, Winsor, Aristocrat, strong, healthy, well rooted cuttings, $6 per 100; $50 per 1,000. Satisfaction guaranteed. A. J. Stahelin, Redford, Mich.

Carnation cuttings, clean, healthy, well-rooted, the best in their colors: Rose Pink Enchantress (select stock), $3.50 per 100. White Enchantress, $6 per 100. Winsor, $5 per 100. Enchantress, $2.50 per 100. Harkett's Floral Nursery, Dubuque, Iowa.

Carnations, Aristocrat, Winsor, $5 per 100; W. Perfection, $2.75; Enchantress, Lady Bountiful, $2; Victory, $2.75; Rose Pink Enchantress, $2.75. Perennial Gardens Co., Toledo, O.

Carnations, Winsor, Beacon, Rose Pink Enchantress, White Perfection, The Belle, White Lawson, Pink Lawson, Enchantress, Nelson Fisher. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, Lawson, Enchantress, Rose Pink, Enchantress, Perfection, Lady Bountiful, $3 per 100; $25 per 1,000. Winsor, $6 per 100; $50 per 1,000. John L. Wyland, De Haven, Pa.

Carnations, rooted cuttings of all the new and leading commercial varieties. Send for price list. Wm. Swayne, Box 226, Kennett Square, Pa.

Carnation Lloyd, R. C., $2 per doz., $12 per 100; $100 per 1,000; unrooted, $6 per 100; $50 per 1,000. H. A. Jahn, New Bedford, Mass.

Carnations, A. No. 1 R. C., Lawson, $2 per 100; $15 per 1,000. Boston Market, $2 per 100; $15 per 1,000. Stuppy Floral Co., St. Joseph, Mo.

Carnation, Defiance, $12 per 100; $100 per 1,000. Jensen & Dekema, 674 W. Foster Ave., Chicago, or W. N. Rudd, Morgan Park, Ill.

Carnations, rooted cuttings, Fair Maid, Queen, $1 per 100; $8 per 1,000. Napoleon Lemay, 335 Hillman St., New Bedford, Mass.

Carnations. John E. Haines, Imperial and Pink Imperial, Enchantress, $6 per 100; $50 per 1,000. John E. Haines, Bethlehem, Pa.

Carnation Afterglow, $2 per doz.; $12 per 100; $100 per 1,000. R. Witterstaetter, Sta. F., Cincinnati, O.

Carnations, Sarah Hill, Lawson.—Enchantress, 2½-in., $12 per 100; R. C., $10. Geo. A. Kuhl, Pekin, Ill.

Carnations, White Enchantress, $6 per 100; $50 per 1,000. E. Schrader, New Springville, N. Y.

Carnations, Queen, $10 per 1,000; 3,000, $25. Philip Schupp, 37 Randolph St., Chicago.

Carnation Andrew Carnegie, $12 per 100; $100 per 1,000. Chicago Carn. Co., Joliet, Ill.

Carnation President Seelye, $10 per 100; $75 per 1,000. H. W. Field, Northampton, Mass.

Carnations. E. G. Hill Co., Richmond, Ind.

CHRYSANTHEMUMS.

Chrysanthemums, Monrovia, Oct. Sunshine, F. A. Cobbold, Mrs. Pockett, Col. Appleton, Nellie Pockett, Cheltoni, Lady Hopetoun, White Coombes, Ben Wells, etc., $3 per 100; $25 per 1,000; 2¼-in. Chas. H. Totty, Madison, N. J.

Chrysanthemum, Mrs. Henry Robinson, 2½ and 3-in., $3 per 100; $25 per 1,000. Metairie Ridge Nursery, New Orleans, La.

Chrysanthemums, R. C., leading vars., $1, $1.50 and $2 per 100. Schmalzl & Hembreiker, Lincoln, Ill.

Chrysanthemums, hardy, 75 vars., $2 and $3 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Chrysanthemums, Pacific Supreme, 2¼-in., $35 per 100. Elmer D. Smith & Co., Adrian, Mich.

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CINERARIAS.

Cinerarias, right for 3, 4, 5 and 6-in., 80c, $1.75, $3 and $4.75 per doz. Chas. Sherwood, Waterloo, Ia.

Cinerarias, dwarf, 3-in., ready for 5-in., Easter goods, $3 per 100. The Perennial Gardens Co., Toledo, O.

Cinerarias, strong, 2¼-in., Columbian mix., $2 per 100. Stover Floral Co., Grandville, Mich.

COLEUS.

Coleus. Only leading kinds, 2½-in., $2 per 100; rooted cuttings, 65c per 100. Henry Felter, 4335 Lexington Ave., St. Louis, Mo.

Coleus, R. C., Golden Bedder and others, 60c per 100; $5 per 1,000; 2½-in., $2 per 100. The Krueger Bros. Co., Toledo, O.

Coleus, Verschaffeltii, Golden Bedder, etc., $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Coleus, 10 varieties, R. C., 75c per 100; $6 per 1,000. Stuppy Floral Co., St. Joseph, Mo.

Coleus, 10 varieties, 2¼-in., $2 per 100. Jos. H. Cunningham, Delaware, O.

Coleus, 10 kinds. Byer Bros., Chambersburg.

CUPHEAS.

Cupheas, 2 kinds, R. C., 75c. Byer Bros., Chambersburg, Pa.

Cupheas, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

DAHLIAS.

Dahlias, single, J. Cowan, Fashion, Jno. Downie, Sunningdale, Lustre, $1 per doz.; $6 per 100. Cactus, Mrs. A. Beck, Prof. Baldwin, $1 per doz.; $6 per 100. Countess of Lonsdale, Kriemhelde, F. Bartels, Miss Nightingale, $1.50 per doz.; $10 per 100. Decorative dahlias; Oban, Iridescent, Sylvia, $1.50 per doz.; $10 per 100; Lancelot, Mrs. Geo. Reed, $1 per doz.; $6 per 100. Show dahlias A. D. Livoni, Camilla alba, $1.50 per doz; $10 per 100; one lot good vars. mixed, 50c. per doz.; $3 per 100; mixed yellow, 50c per doz.; $3 per 100. Geo. Wittbold Co., 1657 Buckingham place, Chicago.

Dahlias, field roots, divided; out of 250 varieties under test from America and Europe, I offer for growing on the corn soils of the Mississippi valley and central west 25 varieties out of the "best" standard sorts at $4 per 100; 25 varieties at $8 per 100 out of the finer and newer "best" list; at $3 per 100 out of six colors in white, red, scarlet, pink, purple, yellow, double named valuable sorts. Write Ferndale Nurseries, Harlan, Iowa (near Omaha).

Dahlias, novelties and standard varieties, true to name. A choice list of the best introductions. Send for catalogue of dahlias, hollyhocks, hardy plants. W. W. Wilmore, Box 382, Denver, Col.

Dahlias, field-grown, Wm. Agnew, Countess of Lonsdale, Nymphæa, Mrs. Wellesley, Admiral Dewey, A. S. Livoni and Fern Leaf Beauty, $5 per 100. Duke Alexis and Kriemhilde, $7 per 100. Storrs & Harrison Co., Painesville, O.

Dahlias, all leading vars., $45 to $50 per 1,000. Dingee & Conard Co., West Grove, Pa.

Dahlias, field-grown clumps, 2c and up. H. W. Koerner, Station B, Milwaukee, Wis.

Dahlias, 100 vars., field clumps, $5 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Dahlias, leading varieties. H. Cannell & Sons, Swanley, Kent, England.

Dahlias, leading varieties. David Herbert & Sons, Atco, N. J.

DAISIES.

Marguerites. Queen Alexandra, $3 per 100; Coronation, $3. Storrs & Harrison Co., Painesville, O.

DRACENAS.

Dracæna indivisa, 4-in., $2 per doz.; 5-in., $3; 6-in., $6; 7-in., $9; 8-in, $12. Geo. Wittbold Co., 1657 Buckingham place, Chicago.

Dracæna indivisa, 4-in., $12 per 100; 5-in., $20 per 100; 6-in., $40 per 100. Vaughan's Seed Store, Chicago and New York.

Dracæna, indivisa, 4-in., $2 per doz., 5-in., $3 per doz. Strong plants. C. C. Pollworth Co., Milwaukee, Wis.

Dracæna indivisa, 2-in., $3 per 100. Geo. M. Emmans, Newton, N. J.

Dracæna Bruanti, 6-in., 22 to 25 ins., 40c each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

FERNS.

Ferns. Boston, 2½-in., 60c per doz.; $5 per 100; 3-in., $1.50 per doz., $10 per 100; 4-in., $2.50 per doz., $20 per 100; 5-in., 40c each; $4 per doz., $30 per 100; 6-in. pans, 75c each, $6 per doz., $50 per 100; 7-in., $1 each, $9 per doz., $75 per 100; 8-in., $1.50 each, $15 per doz.; 9-in., $2 to $2.50 each; 10-in., $3 to $3.50 each; 12-in., $4 to $5 each. Nephrolepis Whitmani, 2-in., 60c per doz.; $4 per 100; 2½-in., 75c per doz.; $5 per 100; 3-in., $1.50 per doz.; $10 per 100; 4-in., $2.50 per doz.; $20 per 100; 5-in., $4 per doz.; $40 per 100; 6-in., $6 per doz.; $50 per 100; 7-in., $9 per doz., 8-in., $1.50 to $2 each. Amerpohli, 2-in., $2.50 per dozen; $20 per 100; 2½-in., $3.50 per doz.; $25 per 100; 3-in., $4 per doz.; $30 per 100; 4-in., $5 per doz.; $40 per 100. Vaughan's Seed Store, Chicago and New York.

Ferns, my specialty. Ferns for dishes, fine healthy stock from 2¼-in. pots, in 15 best varieties, $3 per 100; $25 per 1,000; 500 at 1,000 rate. Kentia Belmoreana, 2¼-in., $1.30 per doz.; $10 per 100. Assorted, 3-in., $6, 4-in., $12 per 100. Ad. Cuneatum, 2¼-in., $3.50 per 100; $30 per 1,000; 3-in., $6; 4-in., $12 per 100. A. Gracillimum, 2¼-in., $3.50 per 100. Cibotium Schiedei, 4-in., none better, $25 per 100. Fresh fern spores in all the best market varieties, 30c per trade package; $3 per doz. J. F. Anderson, Short Hills, N. J.

Ferns, Whitmani, 7-in., 3 plants in pot, $1.50 and $1.25; 6-in., 50c, 75c and $1 each. Boston, 8-in., $1.25 and $1.50; 7-in., 75c and $1; 6-in., 50c. Scottii, 7-in., $1; 7-in., $1.25; 6-in., 50c; heavy, 60c to 75c; 5 and 5½ in., 25c, 35c and 40c each. Piersoni, 4-in., 25c; 5 and 5½-in., 30c to 40c; 6-in., 50c. Pteris Wilsoni, 5¼-in., 20c. Amerpohli, 4-in., 50c. Mixed ferns for dishes, 2½-in., $5 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

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Ferns, Elegantissima, 2¼-in., $6 per 100; 3½-in., $15 per 100; 6-in., 50c each; 8-in., $1 and $1.50 each; 10-in., $2 each. Whitmani, 2¼-in., $6 per 100; 3½-in., $15 per 100; 6-in., 50c and 75c each; 8-in., $1.50 each; 10-in., $2 each. Scottii, 6-in., 50c each. Boston, 2¼-in., $4 per 100; 6-in., 50c each; 8-in., $1 each. Small ferns for pans, $4 per 100; $30 per 1,000. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston, 2½-in., 4c; 3-in., 8c; 4-in., 15c; 5-in., 25c; 6-in., 40c; 7-in., 65c; 8-in., $1 to $1.50; 10-in., $1.50 to $2. J. W. Dunford, Clayton, Mo.

Ferns, Boston, 2½-in., $4 per 100; $30 per 1,000. Small for dishes, $2.50 per 100. Storrs & Harrison Co., Painesville, O.

Ferns, Whitmani, 2¼-in., $5 per 100; 3½-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Son, Whitman, Mass.

Ferns, N. Amerpohlii, 2½-in., $15 per 100. Janesville Floral Co., Janesville, Wis.

Ferns, Piersoni Elegantissima, 2-in., 3c. Byer Bros., Chambersburg, Pa.

Ferns, Boston, 5-in., 30c each. Geo. M. Emmans, Newton, N. J.

Fern runners, 10,000 Boston, all sizes. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns. Geo. A. Kuhl, Pekin, Ill.

FICUS.

Ficus elastica, 5 to 6-in., 20 to 40 in., 30c to 75c each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

FUCHSIAS.

Fuchsias, Black Prince and Minnesota, $2 per 100; Lieut. Muritz, White and Rose Phenomenal, $2.50. R. Vincent, Jr. & Sons Co., white Marsh, Md.

GERANIUMS.

GERANIUMS. Our stock is larger and finer than ever and includes the following SUPERB BEDDERS: S. A. Nutt, greatest crimson; Peter Henderson, grand new semi-double scarlet; Beaute Poitevine, best salmon; Mme. Buchner, the only double white; Jean Viaud, pure pink; strong top cuttings, well rooted and true to name, $1.75 per 100; $16 per 1,000. Cash. The W. T. Buckley Co., Springfield, Ill.

Geraniums, 2-in., $2 per 100; up to $1 each; our selection. 20 varieties, $18.50 per 1,000; new vars., 1905-6 introductions, 1 plant of 50 kinds, $5; 1907 novelties, Bruant's Cannell's, Boucharlet and Lemoine introductions, 1 each of 50 kinds, $10. Ivy leaved, 6 vars., $3 per 100; $25 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Geraniums, Nutt, Doyle, Perkins, Ricard, dbl. Grant, 2-in., $2.50 per 100; R. C., $1.25 per 100. Trego, Castellane, Poitevine, Viaud, 2-in., $3 per 100; R. C., $1.50 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, Trego, Doyle, Nutt, Bertha de Pressiley, Mme. Barney, $2.50 per 100; our choice in pink, red and white, $2 per 100. Storrs & Harrison Co., Painesville, O.

Geraniums, 6 varieties double, S. A. Nutt and others, 2½-in., $2.50 per 100; $22.50 per 1,000. The Krueger Bros. Co., Toledo, O.

Geraniums, S. A. Nutt, 2-in., $18 per 1,000. C. B. Knuth, 11801 St. Clair Ave., Cleveland, O.

Geraniums, 10 vars., 2½-in., $3 per 100; $25 per 1,000. Jos. H. Cunningham, Delaware, O.

Geraniums, dbl. red, 2½-in., $3 per 100; $25 per 1,000. Schmaus Bros., Paducah, Ky.

Geraniums in standard varieties, 2¼-in., $3 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Geranium, Mme. Salleroi, 2-in., strong, $1.50 per 100. Dwight Greenhouses, Dwight, Ill.

Geraniums, La Favorite, R. C., $1 per 100. E. T. Wanzer, Wheaton, Ill.

Geraniums. A. M. Herr, Lancaster, Pa.

Geraniums. E. G. Hill Co., Richmond, Ind.

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GLOXINIAS.

Gloxinias. L. Van Houtte, Pere, Ghent, Belgium.

GREENS.

Greens, dagger and fancy ferns, $1.50 per 1,000. Bronze and green galax, $1.25 per 1,000. Leucothoe sprays, $1 per 100; $7.50 per 1,000. Sphagnum moss, per bale, $1.25. Boxwood bunches, 35c; 50 lbs., $7.50. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit.

Greens, bronze galax, $8.50 per case of 10,000; green, $7.50. Dagger and fancy ferns, $1.50 per 1,000. Laurel festooning, boxwood, southern wild smilax, Sphagnum moss and green moss, leucothoe sprays, etc. H. M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, cut palmetto and cycas leaves, galax, leucothoe, ferns, mosses, etc. Kervan Co., 113 W. 28th St., New York.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 52 W. 28th St., New York.

Greens, smilax, ferns, palm leaves, etc. John P. Scherer, Union Hill, N. J.

Greens, southern wild smilax. E. A. Beaven, Evergreen, Ala.

Greens, hardy cut ferns. H. J. Smith, Hinsdale, Mass.

HARDY PERENNIALS.

Hardy perennials, anemone, aster, campanula, delphinium, funkia, hemerocallis, hepatica, incarvillea, iris, peony, phlox, primula, pyrethrum, tritoma, Royal Tottenham Nurseries, Ltd., Dedemsvaart, Holland.

Hardy pinks, R. C., 5 kinds, 75c. Byer Bros., Chambersburg, Pa.

Perennials. Ours are large field-grown stock. Mosbæk, Onarga, Ill.

HELIOTROPES.

Heliotropes, 3 kinds, R. C., $1. Byer Bros., Chambersburg, Pa.

Heliotrope, 4 of the best var. Mosbæk Greenhouse Co., Onarga, Ill.

Heliotropes, 4 of the best, R. C., $1 per 100; 2¼-in., $2.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

HOLLYHOCKS.

Hollyhocks, 3-in., double, white pink, red, yellow, $3 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

HYDRANGEAS.

Hydrangeas, Otaksa and Thos. Hogg, 6-in., 3 to 4 flowering stems, $5 per doz.; $40 per 100; 7-in., 5 to 6 flowering stems, $8 per doz.; $75 per 100. Vaughan's Seed Store, Chicago and New York.

Hydrangea Otaksa, 6-in., 25c; 7-in., 35c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Hydrangeas. W. & T. Smith Co., Geneva, N. Y.

Hydrangea American Everblooming (H. arbor-

IVIES.

English ivy, hardy, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

JERUSALEM CHERRIES.

Jerusalem cherries, 6 and 7-in., full of berries, 35c to 50c each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

LANTANAS.

Lantanas, red, yellow and pink dwarf kinds, 2½-in., $4 per 100; 2-in., $3 per 100. Henry Felter, 4335 Lexington Ave., St. Louis, Mo.

LILACS.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LOBELIAS.

Lobelias, Caster's double blue, $2 per doz.; $18 per 100. J. Fuller, Leominster, Mass.

Lobelias, Crystal Palace Gem, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

MANETTI STOCKS.

Manetti, grafting size, $8 per 1,000; $75 per 10,000; extra size, $10 per 1,000; $90 per 10,000. Jackson & Perkins Co., Newark, N. Y.

MIXED PLANTS.

Strong, healthy plants: 100 Chinese and mixed Grandiflora primroses; 200 double giant alyssum; 200 English ivy; 200 double white fuchsias; 200 cupheas, 2½-in., $2.25 per 100; lot for $18; English ivy, cupheas, heliotrope, Irish Shamrock, flowering begonias, lantanas, impatiens, 3-in., 4c; sweet peas to transplant, 25c per 100; $2.25 per 1,000. Rooted cuttings booked now for late March delivery: Ageratums, Cupheas, double white sweet alyssum, fuchsias, heliotrope and lantanas, 75c per 100. Cash. Port Allegheny Greenhouses, Port Allegheny, Pa.

MOSS.

Sphagnum moss, 5 barrel bale, $1.25; 2 bales, $2.25; 5 bales, $5; 10 bales, $9.50. H. R. Akers, Chatsworth, N. J.

MUSHROOM SPAWN.

Mushroom spawn, English, per 100 lbs., $6 f. o. b. New York; $6.50 f. o. b. Chicago. Garden City Pure Culture, 100 bricks, $12 f. o. b. Chicago, $12.50 f. o. b. New York. Vaughan's Seed Store, Chicago and New York.

Mushroom spawn. English and pure culture. Weeber & Don, 114 Chambers St., New York.

NURSERY STOCK.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, fruit and shade trees, shrubs, evergreens. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, conifers, hardy ferns, hardy heaths, rhododendrons, hydrangeas. Royal Tottenham Nurseries, Ltd., Dedemsvaart, Holland.

Nursery stock, arbor-vitæ (Thuya occidentalis) 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, trees and shrubs, price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Nursery stock, large trees, oaks, maples, pines, and hemlock. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, flowering shrubs. E. Y. Teas, Centerville, Ind.

Am. arbor-vitæ hedge plants. Evergreen Nursery Co., Sturgeon Bay, Wis.

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ORANGES.

Oranges, Kinkan. P. J. Berckmans Co., Augusta, Ga.

Oranges. Anton Schultheis, College Point, N. Y.

ORCHIDS.

Orchids, C. Trianæ, C. Mossiæ, C. labiata, C. Schroederæ, C. speciosissima, C. citrina, C. intermedia, C. Gaskelliana, C. Dowiana, C. Warneri, Lælia anceps, L. albida, L. majalis, L. autumnalis, Oncidium crispum, O. varicosum, O. Cavendishianum, O. luridum, Epidendrum vitellinum majus, E. Cooperianum, Odonto, citrosmum, Miltonia vexillaria. Carillo & Baldwin, Secaucus, N. J.

Orchids, C. Trianæ, C. Percivaliana, C. speciosissima, C. Gaskelliana, Oncidium Kramerianum. Ordonez Bros., Madison, N. J.

Orchids in sheath, bud and flower. Julius Roehrs Co., Rutherford, N. J.

Orchids in superb conditon. Cattleya Mossiæ, C. Schroederæ, Lælia anceps, Epidendrum vitellinum, etc. Lager & Hurrell, Summit, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England. New York office, room 1, 235 Broadway.

PALMS.

Palms Kentia Fors. and Bel., 4-in., 18 to 20 ins., 35c each. Bel., 5½ and 6-in., 75c; 5¼ and 5½-in., 50c and 60c. Areca Lutescens, 4-in., 18 to 22 ins., 20c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. Latania Borb., seedlings from flats, $2 per 100; 3-in., $6 per 100; 4-in., 3 in pot, $3 per doz. Kentias and phœnix in all sizes. Vaughan's Seed Store, Chicago and N. Y.

Palms, Kentias, all sizes; Latania borbonica, 7-in., 5 to 6 leaves, 18 to 20 ins., 75c each; 8-in., 6 to 7 leaves, 20 to 22 ins., $1.25 each. Storrs & Harrison Co., Painesville, O.

Latania Borbonica, from 2-in. 3 leaves, $3 per 100. The Perennial Gardens Co., Toledo, O.

Palms. P. J. Berckmans Co., Augusta, Ga.

Palms. L. Van Houtte, Pere, Ghent, Belgium.

PANICUM.

Panicum var., $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

PANSIES.

Pansies from cold frame, strong, in bud, $1.50 per 1,00; $12 per 1,000. Transplanted, nice stock, $5 per 1,000. F. A. Baller, Bloomington, Ill.

Pansies, giant flowering, 50c per 100; $2.50 per 1,000. Jos. H. Cunningham, Delaware, O.

PELARGONIUMS.

Pelargoniums, 2-in., $6 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

PEONIES.

Peonies, 100 varieties, all classes for florists, 6 or 8 leading kinds, white to crimson, early to late, all named, $1.50 per doz.; $10 per 100. F. A. Baller, Bloomington, Ill.

Peonies, Festiva Maxima, $20 per 100; Queen Victoria, $9 per 100; Fragrans, $6 per 100. Gilbert H. Wild, Sarcoxie, Mo.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Free Peony book and nursery price list. Felix & Dykhuis, Boskoop, Holland.

Peonies, all vars. Jacs Smith, Ltd., Naarden, Holland.

Peonies, leading vars. W. & T. Smith Co., Geneva, N. Y.

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PETUNIAS.

Petunia Berkshire, R. C., $2.50 per 100; $20 per 1,000. S. S. Skidelsky, 1731 No. 18th St., Philadelphia.

Petunias, double fringed, 2½-in., $2.50 per 100; R. C., $1 per 100. The Krueger Bros. Co., Toledo, O.

If you do not find what you need in our Ready Reference Department, write us about it.

Petunias, 2½-in., dbl. fringed, 3 var., $2.50 per 100. Geo. A. Kuhl, Pekin, Ill.

Petunias, dbl., 10 kinds. R. C., $1. Byer Bros., Chambersburg, Pa.

POINSETTIAS.

Poinsettias, good strong stock, $4 per 100. The Krueger Bros. Co., Toledo, O.

PRIMULAS.

Primula obconica grandi., mixed, 2¼-in., $1.50 per 100. The Stover Floral Co., Grandville, Mich.

PRIVET.

Privet, California and Amoor River, 2½ to 3 ft., $25 per 1,000. Peter's Nursery Co., Knoxville, Tenn.

Privet, California. E. Y. Teas, Co., Centerville, Ind.

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RHODODENDRONS.

Rhododendrons. 18-in., $9 per doz.; 24-in., $12 per doz. Storrs & Harrison Co., Painesville, O.

Rhododendrons. W. & T. Smith Co., Geneva, N. Y.

Rhododendrons, Jacs Smits, Naarden, Holland.

ROSES.

Roses, 2-yr., budded, per doz., $2; $15 per 100; Am. Beauty, La France, Frau K. Druschki, Kaiserin, Soliel d'Or, Hermosa, Paul Neyron, Gruss au Teplitz. 2-yr., budded, $1.50 per doz.; $11 per 100. Anna de Diesbach, Fisher Holmes, Magna Charta, Ball of Snow, Gen. Jacq., M. P. Wilder, Capt. Christy, Mme. Testout, Mrs. J. Laing, U. Brunner, etc. Crimson Rambler, 2-yr., home-grown, $15 per 100; 2-yr., imported, $12 per 100. Dorothy Perkins, 2-yr., home-grown, $12 per 100. Lady Gay, 2-yr., budded, $20 per 100. Philadelphia Rambler, 2-yr., home-grown, $12 per 100. Baby Rambler, 2-yr., extra strong budded, $20 per 100; 2-yr., No. 1, $16 per 100; 1-yr., No. 2, $10 per 100. White Baby Rambler, 2½-in., $10 per 100. Red Kaiserin, 2-yr., dormant, $25 per 100. Vaughan's Seed Store, Chicago and New York.

Roses, American Beauty, R. C., $27.50 per 1,000; 2½-in., $6.50 per 100; $60 per 1,000; 3½-in., $80 per 1,000. Maid, Bride, U. John, Richmond, Chatenay, Kaiserin, R. C., $18.50 per 1,000; 2½-in., $4.50 per 100; $40 per 1,000; 3½-in., $60 per 1,000. Mrs. Potter Palmer and Cardinal, 2½-in., $15 per 100; $125 per 1,000; 3½-in., $150 per 1,000. Perle, Sunrise, 2½-in., $5 per 100; $45 per 1,000; Perle, 3½-in., $65 per 1,000. Killarney, R. C., $35 per 1,000; 2½-in., $6 per 100; $55 per 1,000; 3½-in., $75 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, field-grown. Anna de Diesbach, Clio, Frau Karl Druschki, Gen. Jacq., John Hopper, Mme. Luizet, M. P. Wilder, Mrs. J. Laing, Paul Neyron, Prince Camille, U. Brunner, Crimson, white, yellow and Philadelphia Rambler, common sweet briar, Mme. G. Bruant, Wichuraiana. Ellwanger & Barry, Rochester, N. Y.

Roses, rooted cuttings, Bride, Bridesmaid, Ivory, Richmond, Chatenay, Uncle John, $1.50 per 100; $12.50 per 1,000. Sunrise and Kate Moulton, $3 per 100; $25 per 1,000. Perle, $2 per 100; $17.50 per 1,000. Am. Beauty, bench plants, $10 per 100; $75 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Roses, grafted for forcing, Chatenay, Killarney, Richmond, Liberty, La France, rose pots, $15 per 100; 3½-in., $18; Bridesmaid, Golden Gate, Kaiserin, rose pots, $10 per 100; 3½-in., $15 per 100. Own root roses, $9 and $7 per 100. J. L. Dillon, Bloomsburg, Pa.

Roses, grafted, Bride and Maids, $10 per 100; $100 per 1,000. Richmond and Killarney, grafted, $10 per 100; $100 per 1,000. Rhea Reid, grafted, $35 per 100; own root, $30 per 100. E. G. Hill Co., Richmond, Ind.

American Beauties, rooted cuttings, $3 per 100; $25 per 1,000; 2¼-in., $6 per 100; $50 per 1,000. J. F. Wilcox, Council Bluffs, Iowa.

Rose My Maryland, 2 and 2½-in., $25 per 100; $200 per 1,000; 3-in., $5 per doz. John Cook, 318 N. Charles St., Baltimore, Md.

Roses, grafted, Bride, Maid, Richmond, Killarney, Kaiserin, Wellesley. Jackson & Perkins Co., Newark, N. Y.

Roses, C. Soupert, C. Rambler, Dorothy Perkins. Marie Pavie. P. J. Berckmans Co., Augusta, Ga.

Roses, 400 best sorts, 2½ and 4-in. Leedle Floral Co., Springfield, O.

Rose Newport Fairy. Julius Roehrs Co., Rutherford, N. J.

Roses. E. G. Hill Co., Richmond, Ind.

Roses. W. & T. Smith Co., Geneva, N. Y.

Roses. Geo. A. Kuhl, Pekin, Ill.

SALVIAS.

Salvia Zurich, 2-in., $3 per 100; $25 per 1,000; R. C., $1.75 per 100; $15 per 1,000; now ready. The Krueger Bros. Co., Toledo, O.

Salvia Zurich, 2-in., $1 per 25; $3 per 100; $25 per 1,000; R. C., $1.75 per 100. J. L. Schiller, 929 Prouty Ave., Toledo, O.

Salvia St. Louis, 2½-in., $2 per 100; R. C., 80c per 100; $7.50 per 1,000. W. H. Humfeld Floral Co., Kansas City, Mo.

Salvias, R. C., 90c per 100; 2¼-in., $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Salvia Zurich, R. C., $1.75 per 100; 2-in., $3. Perennial Gardens Co., Toledo, O.

Salvia Bonfire, Splendens, 90c. Byer Bros., Chambersburg, Pa.

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SMILAX.

Smilax, 2½-in., $2.50 per 100; $22 per 1,000; 3-in., $35 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Smilax, fall sown seedlings, 50c per 100; $4 per 1,000. F. A. Baller, Bloomington, Ill.

SEEDS.

Seeds, asters, Vick's branching, 8 colors; Snowdrift, Royal Purple, Lavender Gem, Daybreak, Purity, Sunset, Mikado, Cardinal, Violet King, Florists' novelty collection; Early White Branching, Imperial aster Sunrise, 25c; Violet King, 20c: Cardinal, 25c; Lavender Gem, 25c; Rosy carmine, 25c; How to Grow Asters, 10c. All of above, including book, 90c. Vick's Imperial Sunrise, pkt., 25c; 2 or more, 20c each. Vick's Early Branching, pkt., 25c; 2 or more 20c each. Hohenzollern early and late, White Fleece. Empress Frederick, Semple's Branching Pink. Early Wonder, Giant Comet, Queen of the Market. James Vick's Sons, Rochester, N. Y.

Seeds, Lettuce, Grand Rapids, ¼ lb., 30c; lb., $1; May King, ¼ lb., 40c; lb., $1.25. Cucumber, Evergreen White Spine, ¼ lb., 25c; lb., 75c; Davis Perfect, ¼ lb., 35c; lb., $1.25; Radish, Vaughan's Cardinal Forcing, ¼ lb., 40c; lb., $1.50; Improved Scarlet Globe, ¼ lb., 25c; lb., 70c; 20 Day Forcing, ¼ lb., 20c; lb., 60c. Scarlet Globe White Tip, ¼ lb., 20c; lb., 60c. Tomato, New Globe, ¼ lb., 75c; lb., $3; Comet, pkt., 25c; Sunrise, pkt., 25c. Cauliflower, Earliest of All, pkt., 25c; oz., $2.50. Vaughan's Seed Store, Chicago and New York.

Seeds, bean, beet, cabbage, carrot, kohl rabi, leek, lettuce, onion, pea, radish, spinach, turnip, swede, aster, balsam, begonia, carnation, cineraria, gloxinia, larkspur, nasturtium, pansy, petunia, phlox, primula, scabious, stock, verbena, zinnia, etc. Giant pansy, $5 per oz.; $1.50 per ¼ oz.; 75c per 1-16 oz. Henry Mette, Quedlinburg, Germany.

Seeds. Farm, garden or flower seeds of best quality. Specialties; fancy pansy, carrot, Brussels sprouts, cabbage. Golden Ball turnip. Price list on application from, The Bedfordshire Seed Co., Ltd., Sandy, England.

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Seeds. Tomato, the Don, Cauliflower, First and Best. Onion, Ailsa Craig. Lettuce, Ideal. Mignonette, N. Y. Market. Weeber & Don, 114 Chambers St., New York.

Seeds, Primula obconica grandi, blood red, blue, carmine, pink, purple, violet, white, compacta, gigantea, fringed mixed, hybrids, separate, tr. pkt., 50c; 6 pkts., $2.50. O. V. Zangen, Hoboken, N. J.

Seeds, Asparagus plumosus nanus, northern greenhouse grown, per 100 seeds, 60c; 250, $1.25; 1,000, $4; 5,000, $19.50; 10,000, $37.50. Vaughan's Seed Store, Chicago and New York.

Seeds. We are now booking orders for Asparagus Sprengeri seed at $4 per lb., 10 lbs., $3.50 per lb. Theodosia B. Shepard Co., Ventura, Cal.

Rose Tausendschon, 3-in., 10 for $1.50; $12 per 100; $100 per 1,000. Dingee & Conard Co., West Grove, Pa.

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Seeds, lettuce, onion, sweet pea, aster, cosmos, mignonette, verbena. Waldo Rohnert, Gilroy, Cal.

Seeds, cabbage and cauliflower. Hjalmar Hartman & Co., 12 Stormgade, Copenhagen; 31 Barclay St., New York.

Seeds, growers for the wholesale trade only. Braslan Seed Grower's Co., San Jose, Cal.

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Seeds of all kinds. H. E. Fiske Seed Co., 12 and 13 Faneuil Hall Sq., Boston, Mass.

Seeds, lawn grass in bulk and packages. Special mixture for golf grounds. The Albert Dickinson Co., Chicago and Minneapolis.

Seeds, all kinds. Bridgeman's Seed Warehouse, 37 E. 19th St., New York.

Seeds. Tomato Waveland, $1 per pkt., $3 per oz. H. Kuld, Box 193, Norwood, Mass.

Seeds, garden, field and flower. S. D. Woodruff & Sons, 82 Dey St., New York.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Seeds, all kinds. St. Louis Seed Co., 784-786 N. 4th St., St. Louis.

Seeds, garden peas and beans. Rogers Bros., Alpena, Mich.

Seeds. W. Atlee Burpee & Co., Philadelphia.

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Spireas. Jacs Smits, Ltd., Naarden, Holland.

SWAINSONAS.

Swanisona alba, R. C., $1; 2-in., 2c. Byer Bros., Chambersburg, Pa.

Swainsona alba, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Vegetable plants, lettuce. Grand Rapids, Boston Market, Big Boston, 25c per 100; $1 per 1,000. Tomato. Mayflower and Lorillard, 50c per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Lettuce plants. Grand Rapids and Black Seeded Simpson, $1 per 1,000; $9 per 10,000. B. E. Wadsworth, Box 224, Danville, Ill.

Vegetable plants, cabbage; Wakefield, Express, Winningstadt, $1 per 1,000. Byer Bros., Chambersburg, Pa.

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Verbenas, 60 vars., R. C., our selection, 75c per 100; $6 per 1,000; plants, our selection, 2¼-in., $2.50 per 100; $20 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Verbenas, R. C., separate colors, 75c per 100; $6 per 1,000; 2½-in., $2 per 100; now ready. The Krueger Bros. Co., Toledo, O.

Verbenas, red, white, purple and pink, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Vinca variegated, R. C., 90c per 100; 2¼-in., $2.50 per 100; 3-in., $10 per 100; 5-in., $15 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Vinca major variegata, 2,500 rooted cuttings, $8 per 1,000; 90c per 100 prepaid for cash. F. W. Meyer, Kalamazoo, Mich.

Vinca variegata, 3-in., ready to shift, $4 per 100; 4-in., $7 per 100. John S. Leach, Hartford City, Ind.

Vinca maj. var., 2-in., 2¼c; 3-in., 5c; 4-in., 7c. Leedle Floral Co., Springfield, O.

Vinca variegata, 2¼-in., $2.50 per 100. Jos. H. Cunningham, Delaware, O.

VIOLETS.

Violets, Boston, $2 per doz.; $12 per 100; $100 per 1,000. Wm. Sim, Cliftondale, Mass.

STOCK WANTED.

I want 300 first-class well-rooted Beacon for which I will give in exchange 600 Rose Pink Enchantress and 200 Roosevelt. Geo. F. Hofmeister, Box 810, Pittsburg, Pa.

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Commission Dealers.

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Amling, E. C., 32-36 Randolph St., Chicago.

Berning, H. G., 1402 Pine St., St. Louis.

Buffalo Cut Flower Co., 468 Washington St., Buffalo, N. Y.

Deamud, J. B. Co., 51 Wabash Ave., Chicago.

Ford Bros., 48 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

Guttman, Alex J., 43 W. 28th St., New York.

Harty & Co., 1312 G. St., N. W., Washington.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Hunt, E. H. 76 Wabash Ave., Chicago.

Kennicott Bros. Co., 48-50 Wabash Ave., Chicago.

Kuehn, C. A., 1122 Pine St., St. Louis.

Langjahr, Alfred H., 55 W. 28th St., N. Y.

McCullough's Son Co., J. M., 316 Walnut St., Cincinnati, O.

McIntyre, John, 1601 Ranstead St., Philadelphia.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

If you do not find what you need in our Ready Reference Department, write us about it.

McKissick, W. E., 1619-1621 Ranstead St., Philadelphia.

Michigan Cut Flower Exchange, 30-40 Broadway, Detroit, Mich.

Millang Bros., 41 W. 28th St., New York.

Millang, Frank, 55-57 W. 26th St., New York.

Murdoch, J. B. & Co., 714 Penn Ave., Pittsburg, Pa.

Niessen Co., Leo., 1208 Arch St., Philadelphia.

N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.

Perkins & Nelson, 57 W. 26th St., New York.

Pittsburg Cut Flower Co., Ltd., 222 Oliver Ave., Pittsburg, Pa.

Pittsburg Florists' Exchange, 217-223 Diamond St., Pittsburg, Pa.

Pollworth, C. C. Co., Milwaukee, Wis.

Randall, A. L. Co., 19 Randolph St., Chicago.

Raynor, John L., 49 W. 28th St., New York.

Rice Bros., 128 N. 6th St., Minneapolis, Minn.

Robinson, Henry M. & Co., 11-15 Province St., Boston.

Seligman, John, 56 W. 26th St., New York.

Sheridan, Walter F., 39 W. 28th St., New York.

Smith & Co., D., 111 W. 28th St., New York.

Smith & Co., W. C., 1316 Pine St., St. Louis.

Traendly & Schenck, 44 W. 28th St., N. Y.

Vaughan & Sperry, 58-60 Wabash Ave., Chicago.

Welch Bros., 226 Devonshire St., Boston.

Winterson, E. F. Co., 45-49 Wabash, Chicago.

Young, A. L. & Co., 54 W. 28th St., New York.

Young, Jr., Thos., 500 5th Ave., N. Y.

Young, John, 51 W. 28th St., New York.

Zech & Mann, 51 Wabash Ave., Chicago.

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Bassett & Washburn, 76-78 Wabash, Chicago.

Benthey & Coatsworth Co., The, 35 Randolph St., Chicago.

Bruns, H. N., 1409-11 W. Madison St., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Elliott, W. H., Brighton, Mass.

Hill, The E. G. Co., Richmond, Ind.

Jensen & Dekema, 674 W. Foster Ave., Chicago.

Joy Floral Co., 601 Church St., Nashville, Tenn.

Muskogee Carnation Co., Muskogee, Okla.

Peacock Dahlia Farms, Atco, N. J.

Poehlmann Bros., 35-37 Randolph St., Chicago.

Reinberg, Peter, 51 Wabash Ave., Chicago.

Weiland & Olinger, 128 E. 3rd St., Cincinnati, O.

Weiland & Risch, 59 Wabash Ave., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

Wittbold, Geo. Co., 1657 Buckingham Pl., Chicago.

Woodrow, Samuel A., 53 W. 30th St., New York.

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Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree St.

Albany, N. Y.—H. G. Eyers, 11 N. Pearl St.

Boston—Houghton & Clark, 396 Boyleston St.

Brooklyn, N. Y.—Robt. G. Wilson, Fulton St. and Green Ave.

Buffalo, N. Y.—Palmer's.

Chicago—Hauswirth Florist, Auditorium Annex.

Dayton, O.—Mathews, 16 W. 3rd St.

Denver, Col.—Daniels & Fisher.

Denver, Col.—The Park Floral Co.

Detroit, Mich.—John Breitmeyer's Sons, cor. Miami and Gratiot Aves.

Galveston, Tex.—Mrs. M. A. Hanson.

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Kansas City, Mo.—Samuel Murray, Coates House Co., 1017 Broadway.

Los Angeles, Cal.—J. W. Wolfskill, 218 W. 4th St.

Louisville, Ky.—J. Schultz, 644 4th Ave.

New Orleans, La.—U. J. Virgin, 833 Canal St.

New York—W. H. Donohoe, 2 W. 29th St.

Omaha, Neb.—Hess & Swoboda, 1415 Farnum St.

Rochester, N. Y.—J. B. Keller Sons, 25 Clinton St.

St. Louis, Mo.—Fred C. Weber, 4320-28 Olive St.

St. Louis, Mo.—Young's, 1406 Olive St.

St. Paul, Minn.—Holm & Olson.

San Francisco, Cal.—J. B. Boland Co., 47-49 Geary St.

Seattle, Wash.—Woodland Seed & Floral Co., 808 2nd Ave.

Washington, D. C.—Z. D. Blackistone, 14th and H. Sts., N. W.

Washington, D. C.—A. Gude & Bro., 1214 F. St.

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Boilers, corrugated, firebox and sectional greenhouse heating. Hitchings & Co., 1170 Broadway, New York.

Boilers, improved greenhouse boilers, made of best material; shell firebox sheets and heads of steel; water space all around (front, sides and back). Kroeschell Bros. Co., 45 Erie St., Chicago.

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Boilers, Gurney heaters, heat by steam or hot water. Gurney Heater Mfg. Co., 111 5th Ave., New York; 74 Franklin St., Boston.

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Boilers, boilers of high grade for greenhouses. Steam or hot water. Giblin & Co., Utica, N. Y.

Boilers, steel return tubular, steam or water. Johnston Heating Co., 138 E. 31st St., N. Y.

Boilers, water tube steam boilers, King Construction Co., North Tonawanda, N. Y.

Boilers, S. A. Jacobs & Sons, 1365 N. Flushing Ave., Brooklyn, N. Y.

Boilers. Myers & Co., 1122 Betz Bldg., Philadelphia.

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Cut flower boxes. Send for prices. Edwards Folding Box Co., Philadelphia, Pa.

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Building material, hotbed sash, cypress, unglazed, 95c each; in doz. lots, 90c; glazed, $1.65 each; doz. lots, $1.60. Pine sash, unglazed, 90c; doz. lots, 85c; glazed, $1.60; doz. lots, $1.55 each. Building hardware, wire and wire fencing, bolts, hatchets, hammers, etc. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Building material, lumber for greenhouse benches, shiplap, drop siding, sheeting flooring, white cedar posts, etc. We are in special position to furnish "Pecky Cypress;" everything in pine and hemlock building lumber. Adam Schillo Lumber Co., cor. Weed and Hawthorn Sts., Chicago.

Building material, cypress sash bars. Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pine fittings and all supplies needed in new or reconstruction work. Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Building material, Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouses and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

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Building material of all descriptions for all cypress, semi-iron, iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 113 Blackhawk St., Chicago.

Building and propagating sands, fire brick and fire clay, Portland cement, hard wall plaster. Garden City Sand Co., Security Bldg., Chicago.

Building material for U-bar greenhouses, Pierson U-bar Co., Metropolitan Bldg., 4th Ave. and 23rd St., New York.

Building material of all kinds. S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Building material of all kinds. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn.

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The Anglais decoration, made in section, can be adjusted to any form desired. "Japana" flower holder, 4½-in., 50c; 3½-in., 35c; 2½-in., 25c. Garnsey, 131 S. Waiola, La Grange, Ill.

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Glass importers and jobbers; greenhouse glass a specialty. Window glass. James H. Rice, corner Michigan, St. Clair and Illinois Sts., Chicago.

Glass, greenhouse glass a specialty; also window glass. Sprague, Smith & Co., 167-9 Randolph St., Chicago.

Glass. See my low prices on any size window glass you want. Greenhouse glass a specialty. John S. Leach, Hartford City, Ind.

Glass for conservatories, greenhouses and gardeners. The Johnston Glass Co., Hartford City, Ind.

Glass. French and American "White Rose," Stenzel Glass Co., 2 Hudson St., New York.

Glass, high grade, double thick, greenhouse glass. Lord & Burnham, 1133 Broadway, N. Y.

Glass, all sizes. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn, N. Y.

Glass of all sizes. S. Jacobs & Sons, 1365 N. Flushing Ave., Brooklyn, N. Y.

Glass of all kinds and sizes. Sharp, Partridge & Co., 22nd and Lumber Sts., Chicago

Glass, greenhouse, all sizes. H. M. Hooker Co., 120-128 W. Washington St., Chicago.

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Glazing points, Lord & Burnham special glazing nails (points), Lord & Burnham Co., 1133 Broadway, N. Y.

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Greenhouse construction, builders of greenhouses for private estates, institutions, parks, etc. Pierson U-bar Co., Metropolitan Bldg., 4th Ave. and 23rd St., New York.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 113 Blackhawk St., Chicago.

Greenhouse construction of all kinds and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Greenhouse construction, builder of private or commercial greenhouses. Frank Van Assche Fulton and Rose Ave. and Dwight St., Jersey City, N. J.

Greenhouse construction, semi-iron greenhouses, new truss houses iron frame houses. Lord and Burnham Co., 1133 Broadway, N. Y.

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Greenhouse construction, builders of modern greenhouses, Myers & Co., 1122 Betz Bldg., Philadelphia.

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Paint. Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, New York.

Paint, putty, etc. The Jas. H. Rice Co., cor. Michigan, St. Clair and Illinois Sts., Chicago.

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Pipes, valve fittings. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

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Pots, standard seed pans, cut flower cylinders, hanging baskets, lawn vases, etc. Hilfinger Bros. Pottery, Ft. Edward, N. Y.

Pots, standard flower pots. The Whilldin Pottery Co., Philadelphia, Pa.; Jersey City, N. J.; Long Island City, N. Y.

Pots, red standards, full size and wide bottoms. Detroit Flower Pot Mfg., 490 Harvard St., Detroit, Mich.

Pots, red standard. Paducah Pottery Co., Paducah, Ky.

Pots, before buying write for prices. Geo. Keller & Son, 361-63 Herndon St., near Wrightwood Ave., Chicago.

Pots, red standard azalea pots. The Keller Pottery Co., 213-223 Pearl St., Norristown, Pa.

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Paper flower pots, 500,000. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

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The Red Pot. C. C. Pollworth Co., all roads connect with Milwaukee.

Pots, standard, all sizes. A. F. Kohr, 1521 Leavitt St., Chicago.

Pots, standard red flower. A. J. Marquis, Middleburg, O.

Pots. Syracuse red. Syracuse Pottery Co., Syracuse, N. Y.

Pots. Ionia Pottery Co., Ionia, Mich.

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Pumping Engines, two streams of water for 1 hour cost 2 cents if you use a Standard pumping engine. The Standard Pump & Engine Co., Cleveland, O.

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Supplies, wire designs. Pittsburg Florists' Ex., 228 Diamond St., Pittsburg, Pa.

Supplies of all kinds and novelties. E. H. Hunt, 76 Wabash Ave., Chicago.

Supplies, all kinds. H. M. Robinson & Co., 8-11 Province St., Boston.

Supplies of all kinds. E. F. Winterson Co., 45-49 Wabash Ave., Chicago.

Supplies of all kinds. A. L. Randall Co., 19-21 Randolph St., Chicago.

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Ventilating apparatus for every type of greenhouse. New model encased, self-oiling gear. Standard Model Open Gear. Lord & Burnham Co., 1133 Broadway, New York.

Ventilators, the Standard ventilating machinery, original machine with self-oiling cups, most powerful, least complicated, very compact. E. Hippard, Youngstown, O.

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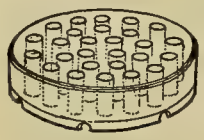

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Very severe weather shortened up the supply of roses considerably, and with business increased in all lines it is more noticeable. The stock coming in is of the very best quality for this season of the year, and from the appearance of the plants there will be an increase in the cut in a short time. In American Beauty we almost forget what they look like. Bridesmaid and Killarney are of good color, while Richmond is all that could be desired. Carnations continue plentiful and of very best quality; some of the larger varieties are not keeping very well, but with more sunshine this will no doubt disappear. Violets and bulbous stock can be had in unlimited quantities and very good stock at your own prices. Orchids and lilacs are scarce.

NOTES.

St. Valentine's Day proved a good one for the retailers, the more enterprising of whom did considerable advertising in the dailies. The results were very noticeable as flowers seemed to be the favorite medium this year.

The rose ball, held at the King Edward, made this flower very popular for the occasion and depleted the stock in all grades.

There is the usual annual shortage of greens, the growers in this section seemingly being unable to supply enough at this season.

The delegates returned from the carnation convention well pleased with the exhibition at Washington. H. G. D.

Syracuse, N. Y.

Trade during the past month has shown some improvement, although it is not what we would like it to be. Collections are poor even with the wealthier classes.

The question whether or not the plans for the enlargement and permanent improvement of the state fair grounds will be adopted will probably be decided this week. The appropriation bill is now in the hands of the senate finance committee. If it goes through, there will be opportunity for a great amount of landscape gardening, flower beds, etc. The Park Commission has included the state fair grounds as a part of the system of parks, and it is probable that several thousand dollars will be expended in this improvement during the coming year. The boulevard leading from the city to the fair grounds is to be made a public highway. The plans for the improvement include the erection of a new floral hall which is to be one of the finest in the country. Plans for the whole scheme were drawn by Green & Wickes, of Buffalo, and have been adopted by the state fair commission.

Several representatives of Holland houses have been in the city during the past week to pick up orders for bulbs for next winter. Bulbous stock is about the best selling of anything at the present time. All stock is good and there is no change in price. A. J. B.

Oklahoma City, Okla.

The Wheleer Park Conservatories were visited by a destructive hailstorm February 13, which did considerable damage to glass and plants. It broke 300 lights 16x18 and 16x24, but owing to the condition of the weather it was impossible to do any repair work, and, not being able to get any glass to make repairs with, we used roofing paper and find it very satisfactory for that purpose until the glass arrives from Chicago. If other florists should have the same disaster in the winter time and should not be able to get glass to fill out with they will find it a quick medium to do repair work with. We had just completed two new houses 14x70 feet and had them full of plants.

Tulips, narcissi and hyacinths are out of the ground now and crocuses are in bloom. Rose bushes are beginning to start growth outdoors.

The florists are contemplating giving a flower show May 16-23. Their plans are practically completed. C. E. F.

Ogden, Utah.

The trade is in good condition generally, although at this season of the year business is somewhat quiet.

The beautifying of the parks and streets of the city has become of considerable interest since the establishment of Board of Park Commissioners to attend to that special art. The new park laid out the latter part of last summer will be one planted this spring. The planting plans were furnished by Howard E. Weed of Chicago, who is also preparing plans for the improvement of Lester park.

W. L. Porter had quite a loss, caused by fire through defective flue. About $3,000 damage was done. W. T. S.

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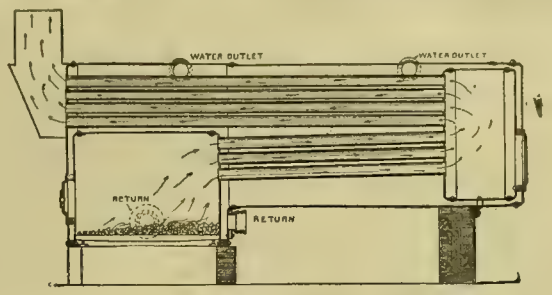

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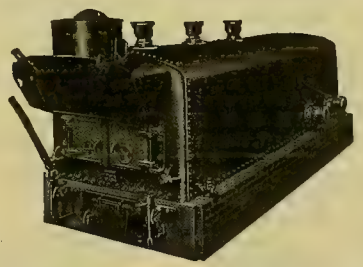

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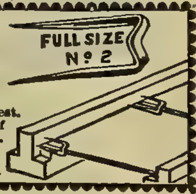

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Manchester, Mass.

At the last meeting of the North Shore Horticultural Society held February 7 with President Till in the chair James Farquhar of Boston gave an interesting and instructive lecture on "Hybridization and Raising of New Varieties of Plants." There was a large attendance and Mr. Farquhar's remarks were listened to attentively and with much interest. The next meeting of the society will be held February 21 and will be in the nature of a smoker talk and general good social time. The entertainment committee have the arrangements in hand.

J. S.

Parkersburg, W. Va.

C. W. Dudley reports trade good. This firm has two houses of hydrangeas in all sizes, up to 12-inch, which will be in fine shape for Easter. These have been a specialty with this firm for several years.

Gus Obermeyer is able to be around after a siege of pneumonia.

O.

Charleston, W. Va.

Wm. Winter, of the Cut Flower Co., has been on a jury three weeks and the end is not yet. He advocates exempting florists from jury duty.

J. W. Alexander contemplates rebuilding his establishment.

O.

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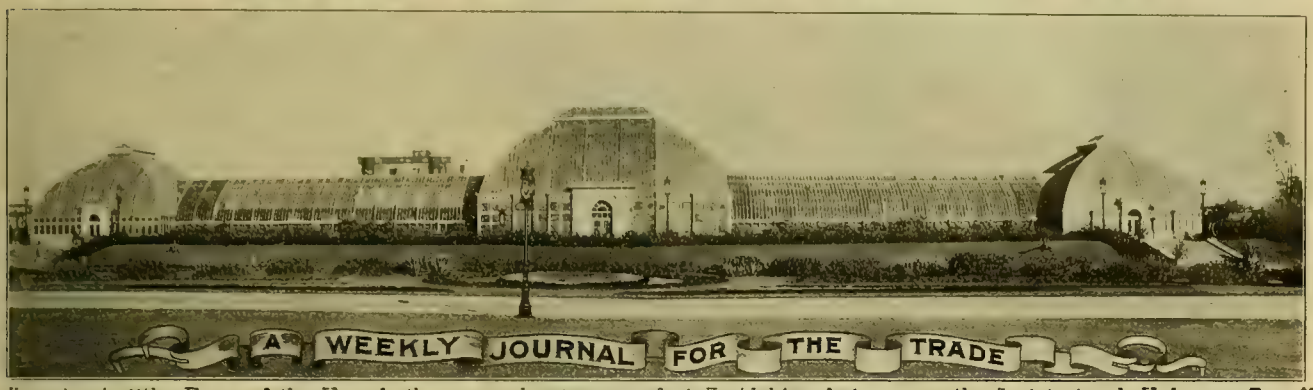

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Vol. XXX. · **CHICAGO AND NEW YORK, FEBRUARY 29, 1908.** **No. 1030**

THE AMERICAN FLORIST

TWENTY-THIRD YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—FRANK H. TRAENDLY, New York, Pres.; W. N. RUDD, Morgan Park, Ill., Secy.; H. B. BEATTY, Pittsburg, Pa., Treas. Next meeting at Niagara Falls, N. Y., August, 1908.

THE NATIONAL FLOWER SHOW.

CHICAGO, November 6-15, 1908.

Wm. F. Kasting, Buffalo, N. Y., is chairman of the general committee in charge. Chairmen of sub-committees follow:

EXECUTIVE AND FINANCE—Wm. F. Kasting, Buffalo, N. Y.
AMERICAN EXHIBITS—Ph. Breitmeyer, Detroit.
FOREIGN EXHIBITS—E. G. Hill, Richmond, Ind.
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AUDITING—J. A. Valentine, Denver, Colo.
TREASURER—I. C. Bertermann, Indianapolis, Ind.

The above chairmen have power to select their various committees from the general committee of 50 or the members of the S. A. F. at large.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition at Chicago, March 25-27, 1908. ROBT. SIMPSON, Clifton, N. J., president; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., secretary.

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SUGGESTIONS FOR CUT FLOWER GROWERS.

Pansies.

Never let the seedling pansies get overcrowded before pricking them off, either into flats or on a bench. If the latter, prick them three inches apart each way and, when they again meet, lift every other plant in the row and every other row, leaving the plants six inches apart for flowering. Keep the soil constantly stirred and work in a little old soot and bonemeal occasionally. Avoid covering the crowns of the plants and, as far as possible, water only on bright days and before noon. Keep the house cool and allow plenty of air on all possible occasions. Keep a close watch for insects as the small slugs and snails are as troublesome with these as with violets.

Feeding Easter Lilies.

Feeding Easter lilies is a point that needs attention when the roots are feeling the sides of the pots or flats in which they are grown. Good foliage is sometimes as important as good flowers and light feeding right along helps this. Should the foliage at the center take on a yellow tint, stop feeding at once and give less water. Nitrates and other chemicals that are used to give tone to the foliage of many plants are very easily overdone and many cases of this yellowing of the upper foliage can be directly traced to overfeeding and too much water. If growers would only get the fact into their heads that, before plants can make use of manurial support, they must be healthy and have plenty of live feeding roots and have used up most of the feed in the soil, there would be fewer complaints of overfeeding and unhealthy plants.

Sweet Peas.

Cut out the old plants that have been flowering and are now producing short stemmed flowers and give attention to the young vigorous ones just coming in. These old scrubby plants are not, in many cases, paying for the room they are taking up. Insects, too, are frequently present on them, and these spread to the healthy plants, giving the grower plenty of trouble here. The young plants set out last month will be needing support. Horizontal wires on the bed and upright strings from these to other wires at the roof are the best supports. Never let the young plants fall over before placing these strings and loosely tying the plants to them. There is an advantage in using these strings over any other method of support in small houses as they may be cut when the plants reach the top and then taken back over the bench at an angle of 45°, which will give the stems a little more room to extend. The strings must, of course, be lengthened and taken to the roof wires. Keep the surface soil stirred on the beds devoted to the young stock and avoid overwatering. If the soil was in fair condition when the plants were set out, little in the way of feeding will be necessary, but should the plants be apparently losing vigor a little super-phosphate or bone meal may be used. Nitrates are not very effective as a manure to sweet peas.

Marguerites.

A bench of marguerites planted now will enable the grower to throw out the old thrips infested plants that have been doing duty through the spring, when the hot weather sets in. If possible, plant the young ones in a house well away from the old plants so that they may be separately treated and there will be no risk of the insects reaching them from the old benches. About five or six inches of soil is enough; this should be of good sound texture and rammed firmly into position so that the plants will make a solid growth. If the young plants are small when put out pinch them regularly until about a dozen shoots have formed on each and then let them go. Never let them get out of cultivation. They take a whole lot of feeding when the flowers are being cut regularly and unless they get it the flowers will be small and short in the stem. Nothing but this frequent propagation and planting will ensure a constant supply of good flowers. A cool, airy house must be devoted to them and, as soon as this is safe, take the side glass out of the house. Spray frequently every fine day and, at the first sign of any insect pest, fumigate lightly on several successive nights. But keep them clean

and as soon as they show signs of getting out of hand throw them out and have new batches take their place. The white varieties are more easily grown than the yellow.

Single Chrysanthemums.

The grace and beauty of these charming varieties was well shown last year around Thanksgiving and there will doubtless be an even greater demand for them this year. If they are not in stock get some plants or cuttings early, not because they need planting early but in order to work up a good stock of plants. These are so easy to manage that very good flowers may be had from plants put out as late as June, and it will be possible to make a good many plants by then from 100 cuttings or small stock plants now. It is not necessary or advisable to put them in heat. Plant the stock plants on a light sunny bench and take the cuttings off as fast as they appear, rooting them and topping them again as soon as they are three or four inches high. Get in line with these for sale to the best class of trade.

Spring Bulbous Stock.

Benches are often used for gladiolus, anemone, ranunculus and other spring bulbs but it is questionable whether there is much saved by this method, over growing the same stock in moderately deep flats, and placing these close together on benches in a cool house. None of these plants like forcing and where it is practiced insects of all kinds soon become numerous and often ruin the crop. When the plants are in flats they may be kept out of the way until growth starts and may be shifted around as necessary to make room. If any gladioli are benched choose the large flowering hybrid forms and Brenchleyensis. As freesias are cut, place any that are to be kept over in a light position and the full sun; keep the roots moist as long as any growth is going on, but when the stems die off give them a thorough baking as close to the glass as possible. Bulbous stock of most kinds is impatient of fumigation and some of this may be saved by keeping a close watch for green fly and removing it by an upward stroke of a damp sponge.

Cypripedium Insigne.

This plant while flowering, is also commencing its growth, and must be very freely watered at the roots, the atmosphere being at the same time kept moderately dry to prevent water settling on the flowers in the form of dew. As soon as the flowers are cut, any that need it may be repotted. But the most free flowering plants are they that become somewhat potbound by about July, when they take a short rest. In sorting the plants for potting, select those that really need it and give a moderate shift only. The roots of this cypripedium are stronger than those of most any other orchid and like a more substantial compost. Two parts of good loam, one of peat and one of chopped sphagnum moss with a liberal sprinkling of broken crocks and charcoal will suit this species. Any plants not needing repotting may be top dressed with well dried cow manure and nut charcoal, this causing a very strong, healthy growth. But do not use manure to any extent when repotting. Grow them right along in a temperature of 58° to 60° at night and in June, when the bedding plants are out of the frames, the cypripediums may take their place. A thin shade at all times while growing, a nicely moistened atmosphere and plenty of air are necessary. When pulling the plants apart for repotting, shake away as much of the old soil as possible and cut away all decaying roots, carefully avoiding injury to the new ones that will usually be forming.

Clematis Indivisa.

A cluster of flowering sprays of this clematis was exhibited by the H. A. Dreer Co. at the last monthly meeting of the Philadelphia Florists' Club, where it created quite a sensation and was very much admired, its possibilities as a florist's flower being freely predicted. J. D. Eisele says it was recommended to him as a good thing for greenhouse forcing by European growers some three years ago. The company imported a number of the plants and found it to be all that was claimed for it. One plant set out in a table of stock ferns made a strong growth and was trained up one of the iron posts and along the purlin of the house, where it commenced to flower about the last week of January and looks as if it would continue until March or perhaps later. The flowers are from two and one-half inches to three inches in diameter, borne in large graceful clusters, but not so close together as to interfere with the blossoms showing their individuality. The foliage is a dark glossy green, in form and color not unlike wild smilax. It will, when it can be had in quantity, make very beautiful decorative effects used with wild smilax as a background. Wm. Robertson, of Jenkintown, has flowered it in pots, winning the Dreer prize for the best specimen of this variety in flower at the last spring exhibition of the Pennsylvania Horticultural Society. He says it should make a good plant for Easter sales. It is not a new variety, being introduced into England from New Zealand, its native habitat, in 1847. Mr. Eisele says that it does best in a carnation temperature, is easy to propagate and when better known will no doubt prove a welcome addition to our winter forcing flowers. K.

LOWELL, MASS.—A fire occurred over the store of James McMammon February 18, but it appears to have been a small affair only.

The Meaning of Bud Variation.

A paper read by Dr. E. M. East, New Haven, Conn., before the Horticultural Society of New York at the American Institute February 12, 1908.

Instances of bud variation have always had a marked fascination for horticulturists; but, owing to their comparative rarity, they have received but little analytic study. Carrière, in his "Production et la Fixation des Variétés dans les Végétaux," published in 1865, and Darwin, in "Animals and Plants under Domestication," published in 1868, have each collected many cases of their occurrence. Such tentative explanations of their causes as were given at these early dates, however, can have but little value at the present day, since we have come to see something of the possibilities within the terms "unit character" and "Mendelism."

In De Vries' monumental work, "Die Mutationstheorie," we might have expected an elucidation of these phenomena to fit our modern biology; but the subject is passed over in a scant ten pages. Because our present knowledge of inheritance is not sufficient to do much more than theorize concerning the mechanism of bud variation, was probably De Vries' reason for slighting the subject. I believe, however, that even now we can begin to divide bud variations into their proper grouping, and possibly draw some conclusions as to the relative frequency with which each group occurs.

De Vries divides mutations into three classes; progressive, degressive and retrogressive. The appearance of an entirely new character is a progressive mutation. It is this class that must have been the great factor in evolution. Degressive mutations are those which occur when a character appears that has been latent or hidden. A retrogressive mutation is a change in which a character previously active, becomes latent. As we have no reason to believe that bud mutations are specifically different from germinal mutations, we can use for them the same distinctions. What is the frequency with which these groups occur? If progressive mutations occur as often as degressive and retrogressive mutations, we can expect to obtain varieties with absolutely new characters by this means. If, however, progressive mutations occur with very great rarity, or possibly do not occur at all, then bud

A YOUNG NEW ORLEANS FLORIST—HARRY PAPWORTH, JR.

mutations can be expected to give but few novelties of real worth. Degressive and retrogressive mutations are confined to rather narrow lines, and will probably produce and reproduce certain definite variations of little economic value. In floriculture they may be of value where slight differences in color and other minor characters are important; but there will probably be little change in the factors which go to make up quality in agricultural productions.

Mendel perceived that if progress was to be made in the study of heredity the problem must be simplified as much as possible. There were two things especially necessary to be controlled, in such experimental work; namely, accidental mixtures due to crossing, and differences in too many characters. The common garden pea fulfilled these demands. It could be self-fertilized generation after generation without deterioration, and varieties were found that differed from each other in but few characters. Mendel selected varieties of the pea which differed from each other in such characters as "round or wrinkled seeds," "yellow or green cotyledons" or seed leaves, and "purple or white flowers." These varieties he found to be true to their characters by inbreeding. He then crossed them once and made careful records of their progeny when inbred for a number of succeeding generations. His results may be stated as follows: If two contrasted characters which have previously bred true are crossed, one only, the dominant character, appears in the hybrid. (The Law of Dominance.)

In succeeding generations, self-fertilized plants grown from seeds of this cross reproduce both characters in the proportion of three of the dominant character to one of the recessive character. Furthermore, the recessive character continues ever after to breed true; while those plants bearing the dominant character are one-third pure dominants which ever after breed true to the dominant character, and two-thirds hybrid dominants which contain the recessive character in a hidden condition. (Mendel's Law of Inheritance.) The theory supposes that on the average 50 per cent. of the germ cells will bear the dominant character and 50 per cent. will bear the recessive character.

Now, if we could pick out at random any 100 pollen or male cells to fertilize any 100 egg or female cells we can see that there are equal chances for four results. A D male cell might meet a D female cell, a D male cell an R female cell, an R male cell a D female cell, and an R male cell an R female cell. We have (D+D), (D+R), (R+D) and (R+R) formed in equal quantities, but as the two middle terms are the same, we can reduce the formula to one (D+D) to two (D+R) to one (R+R), But wherever there is a D present in the germ cell, the dominant character shows while the recessive character is hidden. The one part or the 25 per cent. of the individuals showing the character (D+D) will appear to be just like the two parts or 50 per cent. of the individuals having the character (D+R). Therefore there will be 75 per cent. of the individuals which will show the dominant or D character, while 25 per cent. will show the recessive or R character. These 25 per cent. showing the R character will ever after breed true because they contain nothing but the recessive character; while of the 75 per cent. showing the dominant character, one-third or those having the pure (D+D) character will breed true in succeeding generations, while the other two-thirds having the (D+R) or hybrid character will again split in the next generation.

CLEMATIS INDIVISA.

The original idea of the operation of Mendel's law has been changed by Bateson. His idea is that the two characters of a pair are not mutually exclusive in the germ cell, but that there is presence or absence of the dominant character. That is, the recessive character is always present, but is obscured when there is presence of the dominant character. On this hypothesis a yellow pea is based on green—i. e., the yellow color is superimposed upon the green. The yellow pea produces germ cells bearing two factors, one for yellowness (Y), and one for greenness (G). When it is self-fertilized or fertilized with another yellow pea, individuals are produced whose germ cells have the formula YG, but the resulting progeny always have the yellow color through the presence of the yellow factor. In the same way the pure green pea produces germ cells carrying two factors—one for greenness (G), and one for absence of yellowness (Y).

Out of several hundred cases of bud variation that I have collected from field, greenhouse and authentic literature, the great majority of those in

which something is known of the Mendelian behavior of their mutating characters, yield to the explanation that there has been simply the loss of a dominant character and hence the appearance of a related recessive character. Of course, there are a great number of changes that have taken place as bud mutations, of which we have no data bearing upon their behavior after crossing. Indeed, the cases that I present in which I believe there is reasonable evidence that the change is from dominant to recessive, are simply cases analogous to those in which the behavior of the crossed characters are known.

Again, there are bud mutations which consist of the addition of petals or the change of other flower organs to petals (doubling), which are only changes in the internal correlation of growth, in the sense used by plant physiologists. Some abnormal change in the mechanics of growth may also explain weeping branches, monstrous flowers, fruits, etc., but of these occurrences we have yet no reasonable explanation. I also leave out of consideration, the production of variegated plants. This phenomenon will, I believe, be soon explained as due to some pathological cause, as bacterial or enzyme action. They seem to belong to the same general class, as the production of "mosaic" or "calico" tobacco plants; and this disease, we know, can be communicated by touch. We will consider only certain cases in which we have some reason to believe that the characters would behave according to Mendel's law when crossed.

Color sports are perhaps the most common that we have. In the tomato, for instance, I have discovered four authentic cases in which a red tomato plant has produced a branch that bore yellow fruit; but I have heard of no instance in which a pure yellow tomato has sported to a red. In this plant Hurst has shown conclusively that red is completely dominant to yellow.

In the potato, most reported cases of bud variation are merely horticultural gossip. I am inclined to think that bud variation must be very rare in this plant. Such authorities as A. W. Sutton and P. de Vilmorin, than whom none are more experienced or more competent, were able to cite only four cases and two cases respectively.

Mr. Sutton says, "I have no hesitation whatever in affirming that there is no potato in commerce today in England, and I might say in Europe, which owes its origin as a distinct potato to bud variation in any form whatever." The instances he refers to are, he says, changes in color, alone. He cites Forty-fold, Beauty of Hebron, and Blue Giant as having varied from colored skins to white. Rector of Woodstock, however, appears to have produced a purple variegated skin from a white. In this case, though, it is unknown whether the parent tuber possessed the power of forming the purple dye, as is indicated by some of our own white varieties that have purple tinted sprouts.

There has also appeared a similar variation in White Pearl, reported to me by Prof. F. R. Bennet. This potato, white in color, with pink sprouts, appears to have produced a purple blotched variety. Old potato growers, however, say that the parent of the White Pearl had a purple skin. Vilmorin reports White Giant out of Blue Giant and Early Puritan (white) out of Early Rose (pink). Munson states that Bliss Triumph (red) has varied to white.

In my own experience I have noticed but three color variations after carefully examining 800 varieties. They are white variations out of the colored varieties, Early Sunrise, Bole Zoegling and La Bretonne. Other variations, apparently authentic, that have been reported in this country, are white variations from Early Rose, Early Ohio, Blue Victor and Peach Blow.

The chrysanthemum is a plant which produces probably as many bud variations as any of our cultivated species. I have never heard of a pure yellow chrysanthemum sporting to a color. On the authority of M. Ghys, who has given it a great deal of study, the general tendency is to sport from purple to red to white to yellow. A pure yellow, the original color of the plant, never sports to color. To explain this, we have only to imagine the germ cells of the blue chrysanthemum to contain the factors for determining blue, red, white and yellow color, possibly dominant to each other in the order given. Then, as one or more of these factors is dropped, a different color appears.

I think we may safely say that in horticultural plants which tend to sport in color, carnations, azaleas, geraniums, roses,—the tendency is toward the loss of a color factor. Of course there are many cases in which a color is deepened, in a variety which already possesses the ability to form the dye; but I do not think we need to consider this feature at present. It is a different thing from definite bud mutation.

FRUITS.

The same general feature is true of fruits: purple plums produce yellow plums, blackberries produce white variations; dark grapes throw white sports. Time will not permit me to cite all of the known instances, but in general, there is the loss of a color character. Even in the cases that are apparent exceptions to the rule, the variety may lose its color and afterwards regain it. We cannot help but feel, however, that there are distinct limits to the variation, and that we are not witnessing chance changes in any direction.

We can imagine that in the cell division that lays down the basis of the sporting branch, something may be left behind. Here we may have the entire loss of a color. Again, there may be such a shuffling of the cell contents, that a color cannot develop but remains latent. Years afterward, another shuffling of characters may allow the color to reappear. Of course this is speculation; but as speculation it is easier to imagine the production of degressive and retrogressive mutations, than the production of new characters by progressive mutations. Such speculation seems to be in accord with the facts.

Another common type of variation is the production of cut-leaved varieties in different species. These new productions sometimes retain the ability to produce entire leaves and so jump back to the original form. But here, again, the changes are definite, and have been noted in very unlike groups of plants.

The changes taking place certainly

CARNATION HARVARD.

Back view of flower, showing fine calyx.

affect unit characters, but there are few data concerning their behavior on crossing. De Vries, however, reports that entire petals are dominant to laciniated petals in Chelidonium majus. Brainerd has shown that in viola neither of these two characters is apparently dominant. But it is easier to imagine the loss of something that makes the plant produce entire leaves, than vice versa. It must be remembered, though, that absence is sometimes dominant to presence, as is the case of absence of horns in cattle.

A third common group of bud variations is the loss of a prickly, hairy or felted condition. The most common example of this is the production of the nectarine from the peach.

The cases where the behavior of such characters after crossing has been shown to be Mendelian, are: Hairiness dominant to absence (lychnis); hoariness dominant to absence (matthiola); felted ears dominant to absence (wheat); prickliness dominant to absence (fruits of datura).

An apparent exception to the majority of the cases under consideration is the classical example of the moss rose. It would be very interesting to know just what takes place when these roses are crossed with smooth varieties. It may be that this is one of the rarer cases in which something entirely new to the species appears in the sporting plant.

These data are merely presented for consideration and discussion. I hope more cases can be added to our present knowledge, and that our increasing understanding of the unit characters of hybrids will definitely point out what is to be expected from bud variation. It seems to me that progressive but mutation is very rare, and that outside of the domain of flower colors, but few bud varieties will come into cultivation through real origin of useful characters.

Keeping Dahlia Roots.

The best way to keep dahlia roots through the winter is to cut the stems off close to the soil as soon as the frost kills them down, take them up carefully and shake most of the soil away and then turn them upside down to allow any water to escape. Choose a warm drying day if possible. A dry frost-proof cellar is the best place to keep them, on a board floor or stage one foot above the floor line of the cellar. On this stage place three inches of fine dry sand and sprinkle a little air slacked lime on this. Set the dahlia clumps side by side on this in a single layer. Sprinkle a little more lime over them, some in the hollow stalks, and then give a further covering of fine dry sand.

The effect of the lime is to eat up all decaying matter, but it must be used with judgment. Many dahlias are annually killed by crown rot, caused by the poison of the stalks dropping on them, and this the lime renders harmless. Pot roots are the most difficult for inexperienced growers to keep, the roots frequently decaying in February or March. Well cut them out in the fall when taken up and dress the wounds with lime. The riper the roots are the better they will keep. If the stalks are very large, or the skin or bark wet from frost when lifting, scrape this off to prevent it spreading to the crown as described above. W. H. T.

CARNATION HARVARD.
Actual Size of Flower.

Early Outdoor Sweet Peas.

Comparatively few florists realize what a success can be made out of early sweet peas, by starting the seed, timely, in the greenhouse or hotbed, and transplanting to the field as soon as the ground can be worked. By this method plenty of the very finest flowers can be had at a time when they are most valuable; not only that, the flowers produced are so much finer, owing to the earlier, cooler weather and plenty of moisture, that greater popularity is obtained for sweet peas, in any locality. Further, the most valuable latest improved kinds can be used. Each seed can be made to produce a plant, and each plant will need one foot of space in the row for best results. Thus seed that would be too expensive for ordinary risky field sowing, can be used to good advantage.

The best method we have found is to plant three seeds into each 3-inch pot and grow in a carnation temperature. As soon as plants are nearing a root-bound condition, transfer to a cold frame to harden off. When ground dries off enough to work, plant out. They will stand hard freezing without damage, if hardened off. Let the rows be four feet apart, and the plants six inches apart in the rows, or 12 inches for scarce kinds. The best and cheapest support is a stake system; use 6-foot stakes, say 1¼x1¼ inches, drive 8-inch nails, every six inches, on both sides, and one stake every 10 feet. As the plants grow, use common white cord, on both sides of row, by winding around each nail.

W.

Carnation Harvard.

We referred to this fine novelty in our issue of February 1, on page 9, and also referred to the fine variety Georgia which was illustrated in the same issue. Since then we received the photographs from which the accompanying illustrations of Harvard were prepared and these show its excellent character. It was raised by James D. Cockcroft, Northport, N. Y., and is an excellent commercial variety, as proved by letters received by the raisers from some of the leading florists of New York and other cities.

Growers cannot have too many good scarlet carnations and a variety that produces well in the dark days when prices are high, is of excellent color, good calyx and borne on fine stems is certain of a welcome. As the variety was so recently described we refer readers to the description noted which is reliable.

Bloomsburg, Pa.—J. L. Dillon says: "The trade in this section has been extremely good considering the stringency in the money market all over the country. We have found the demand much larger than the supply."

PASS CHRISTIAN, MISS.—J. B. Adams has had excellent business so far this season. Last year he put up two new houses, 20x65 feet, and finding these insufficient to supply his needs, will build another the same size this season.

WILLIAMSPORT, PA.—Daniel E. Gorman, the florist, is rushing work on his proposed moving picture theater, on Third street. Several weeks ago the razing of a portion of the former office building that was purchased by Mr. Gorman was commenced. Since then the interior work on this part of the building has been rapidly advanced, and foundation walls in the rear are completed, so that with mild weather the remaining outdoor work can be pushed along in time, he thinks, to open the theater on April 1.

CHRYSANTHEMUMS

Plants and Flowers for Exhibition.

This year will be an important one for chrysanthemum exhibitions. At the great National Flower Show at Chicago next November, the chrysanthemum will be one of the most important features. Intending exhibitors of large specimen bush plants and standards will have their plants well under way by this time, an early start being a big advantage in growing these plants where size of plant is a very telling point. But size should not be the only object to be attained, because form will carry over size and so will the character and the purity of color of the individual flowers. A medium sized plant with perfect blooms of good size and color will beat out a larger plant with blooms of very little character or tone to them. There is a fascination in a plant carrying perfect, richly colored blooms of good size and character that judges cannot get away from. These little items are very important to consider when making the start with these specimens owing to the fact that there are a number of varieties that will make plants of grand size but lacking in quality of bloom either through their being of poor shape or not pure enough in color. This is why a few of the old favorities hang on so long, though not grown to any great extent for any other purpose. As a notable example, we may mention W. H. Lincoln, which, when well done, will give any yellow variety a hard tussle.

In the class for specimen bush plants white, May Foster, Mutual Friend, Mrs. H. W. Buckbee, Miss Clay Frick (White Duckham) and Miss Alice Byron are all good; they are easy to grow, have pure white flowers and are readily trained into specimens of good form. For pink, Wm. Duckham and A. J. Balfour are in a class by themselves. For exhibiting the first week in November they have the other pinks of this season beaten on several points. Dr. Enguehard makes a fine plant, but the vivid coloring is not there. For yellow, Golden Age, W. H. Lincoln, Cheltoni, Mme. Van Andre and Mrs. Wm. Duckham will all make good under careful treatment. The reds and other colors are now usually classed together, a mistake to our way of thinking. We fancy the red or crimson chrysanthemums grown into bush form about as well as any color and consider that this is the place where they show up to great advantage. But, as it is an "any other color" class, there is one variety that has responded well to our treatment and that is the old variety Brutus. It is slow in growth at the start and will not spread out over as many feet as some, but it tells on every point.

The standards and half standards are more difficult subjects to handle than the bush specimens and we seldom see an exhibitor show the same varieties in these classes two years in succession. They will not always respond the same to this method of culture, the white varieties being the most obstinate, but now that we have white Duckham, should it prove to do as well as the pink variety, we shall see some better white standards. We would select for white both standards and half standards, White Duckham, Mrs. Henry Robinson, Guy Hamilton and Mrs. H. W. Buckbee. Pink, Wm. Duckham and Dr. Enguehard. Yellow, Golden Age and Col. D. Appleton. Red, or any other color, Thos. Humphreys, S. T. Wright, Mrs. Geo. Heaume and T. Carrington. We advise also trying some of the newer varieties for this style of plants; it may be that some of them will supplant several of those mentioned. They have the color and many of them appear to possess the necessary growth qualities for this work. Mrs. Wm. Wells, Ongowa and Dakoma are beautiful colors in bronze, hard to describe, but, if they can be made to respond as specimens, they will command notice. Mrs. Walter Jinks is another of intense coloring that impressed us for this purpose. The varieties possessing clear intense and pure colorings are the only ones that are likely to prove valuable grown in this way. We have tried many of our finest and popular cut bloom varieties as specimen plants only to meet with failure. We never could do anything with either white or yellow Eaton or the Chadwicks. We got a fairly good specimen of Beatrice May, as far as the plant was concerned, but the color of the blooms was miserable and best described as dirty white streaked with pink. The loose petaled Japanese style of flowers like F. S. Vallis are useless as specimen plants; the petals take on a ragged appearance and look to be old before they are half finished.

Gates Ajar, by Ben. F. Kramer, Evansville, Ind.

Roses, chrysanthemums and carnations were the principal flowers used.

The classes calling for anemones, pompons and single varieties usually restrict the plants to a smaller size of pot than the large flowering varieties. It is therefore not necessary that these should be started as early and they are much better for it, because the foliage and habit of the plant can be kept in good condition, whereas, if they are given an extra start and then kept confined to a small size pot the plant loses its shape as a specimen and the foliage suffers considerably. All of the pompon and single varieties make pretty specimens as pot plants so that, in making a selection, the main thing to bear in mind is the blending of the colors. The pink and white are quite prominent among these types and are very pretty, but where a fine collection is desired the other colors must be well taken care of to get a good effect.

C. W. JOHNSON.

THE RETAIL TRADE

"WEDDINGS of the day in Pittsburg are arranged and carried out by the florists the same as funerals are handled by the undertakers," the Rev. Dr. McIlvaine is credited with saying.

Fine Floral Designs.

The accompanying illustrations show two fine pieces of artistic floral work by J. L. Dillon, Bloomsburg, Pa. The wreath is of callas, roses, carnations and narcissi with a bow of chiffon ribbon. The Elks design is made of white carnations edged with pink roses and white narcissus, with purple letters and figures.

An Effective Casket Piece.

A strikingly handsome casket piece was recently turned out at the establishment of U. J. Virgin, New Orleans, La. The broad ends of two large, tapering bunches of callas, lily of the valley and Asparagus Sprengeri were joined together, and clusters of white roses fastened on either side in the middle, with a bouquet of lavender tulle in the center. A bow of broad lavender ribbon was fastened in the center, with a streamer running to one end, where it was secured with a knot of the same ribbon. A similar knot was tied at the opposite end. The piece was the work of Miss Kate Rehm, the highly accomplished leading artist at this place, assisted by her sister, Mrs. Virgin.

Notes for the Retailers.

PRIMULAS.

Of the smaller plants, none have seemed to be more popular this season than the primrose. It is reassuring to the admirers of this old favorite, that it holds its place against newer and more showy plants. But there is a reason. I can think of no plant out of which a home-maker can get more satisfaction for a moderate outlay than this.

RHODODENDRONS.

Early in February, I noticed very fine rhododendrons in the New York retail stores. While there is always some demand for every variety of plants, in a great city, it may well be doubted if it is good policy for the growers to force extensively of such large plants in midwinter; particularly in a season when cut flowers are as plentiful as now.

To be Done Now.

IN THE GREENHOUSES.

Shift the young rose plants before they have time to get hard in the pots.

Keep the stock chrysanthemums cool in a house where there is abundance of air.

This is about the last call for sowing sweet peas with any chance of their being in for Easter.

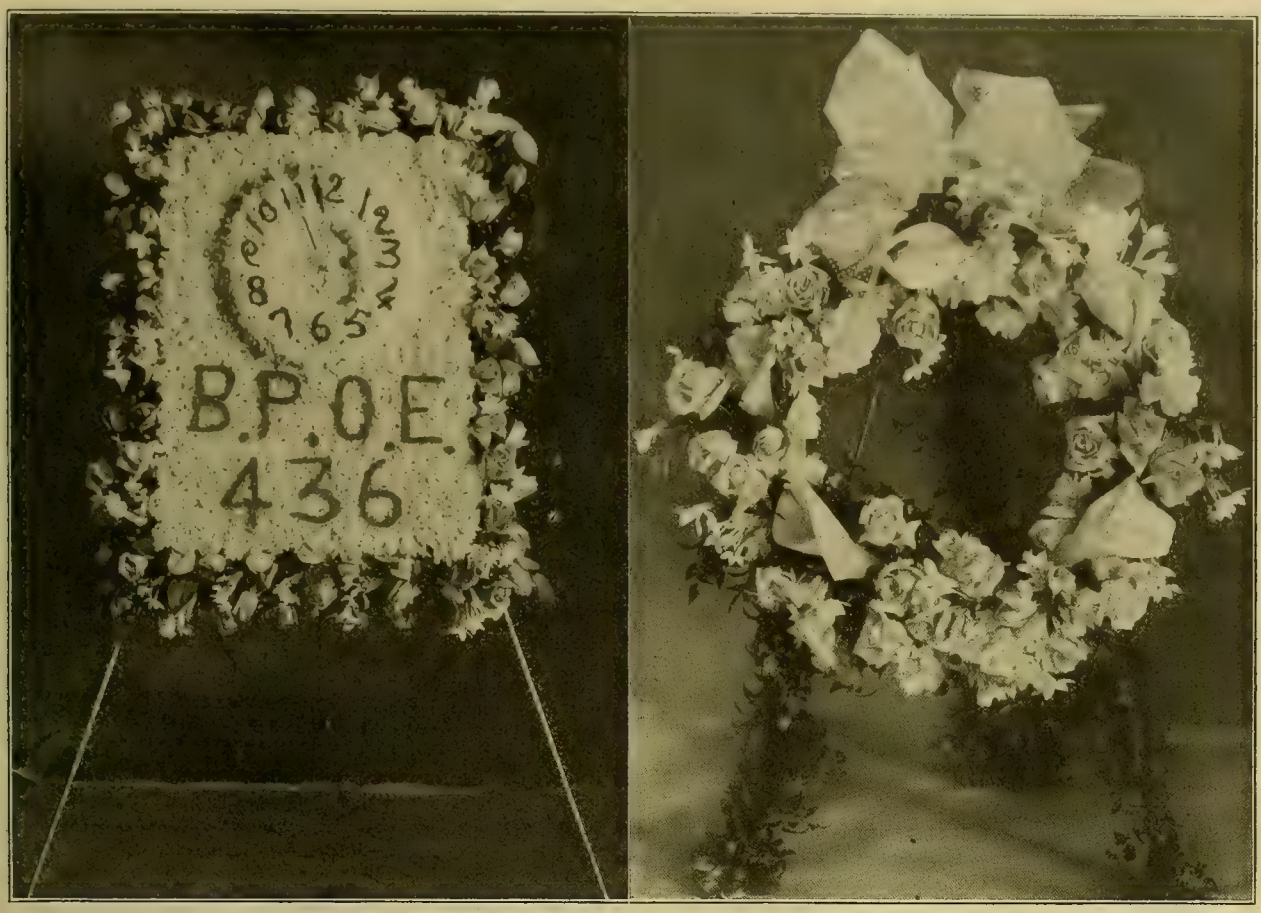
Benches cleared of stock chrysanthemums or mignonette may be conveniently planted with asparagus or smilax.

Choose a fine mild day for bringing in the bulb stock when possible.

Bougainvillea glabra and the variety Sanderiana come of better color in quite a cool house than in heat.

Sow plenty of Gypsophila paniculata for mixing with cut flowers in summer.

The double nasturtiums are useful for window boxes and a good stock should be struck from cuttings.



FINE FLORAL WORK BY J. L. DILLON, BLOOMSBURG, PA.
Elk's Design on Left. Wreath of Callas, Roses, Carnations and Narcissi on Right.

Look carefully after the young rose stock the first few days after it is removed from the grafting cases and see the plants do not wilt.

IN THE STORE.

Violets tied with a flat bow and a few lily of the valley make a charming corsage bunch.

Mixed pansies give a finer effect than mixed varieties of almost any other flower.

The yellow antirrhinums offering now are very choice, and more graceful for decoration than any other yellow stock in season.

Cool conditions are good for keeping flowers, but avoid drafty positions.

Freesias are too heavily scented to be much used for table decoration, though a few are acceptable.

OUTDOORS.

Good solid manure and salt, or nitrate of soda, should be laid on the late asparagus.

Choose a well prepared and only moderately rich soil for seed sowing. Very rich soil in the early stages is bad for all seedlings.

Allow about eight weeks after covering rhubarb with pots and manure before good stems are pulled.

Ashes from a rubbish fire or smother is excellent material to sow in the drills with the early seeds.

Shade anything tender that may be touched with frost in the morning and let it thaw out gradually.

Unless for forcing, never lift rhubarb roots until a little sign of life appears at the crowns.

A little nitrate of soda to each plant is the best stimulant to early cabbage.

Harden off all frame plants by giving them full exposure to the air every mild day. Plants so treated may, if necessary, be covered for a week or more of severe weather without injury.

OBITUARY.

Robert Petrie.

Robt. Petrie, of the Alameda Floral Co., Alameda, Cal., died February 7, after two weeks' illness. In August last, Mr. Petrie bought the business of H. Gresens. He was 29 years of age and had only been nine months in California. He was a member of the Horticultural Society of Oakland, the members of which paid their last tribute at his funeral.

Alexander Forsyth.

After a short illness Alexander Forsyth, a pioneer horticulturist of Denver, Col., died at his home, 1892 Humboldt street, February 19. Mr. Forsyth had lived in Denver since the early 70's and was one time superintendent of Riverside cemetery. Mrs. Forsyth and one daughter, Miss Jennie Forsyth, survive. Mr. Forsythe was 58 years old and had served 15 years for the Riverside Cemetery Association.

John A. Freeman.

John A. Freeman, Aurora, Ill., died at his home, corner of Illinois avenue and North Lake street, February 18, after a severe illness extending over a period of two months. Previous to the beginning of that period he had been in ill health but was able to be about. He suffered from tubercular trouble in his stomach and bowels and an operation was performed several weeks ago at the Aurora City hospital in hopes of bringing relief. For a time he appeared to be better.

Deceased was born in the province of Halland, Sweden, November 4, 1855, and came to America in 1872. Following a residence of several years in Batavia, where he was engaged in the greenhouse business he removed to Aurora in 1880 and had resided there since. For the past 15 years he successfully conducted a large greenhouse business at the corner of North Lake street and Illinois avenue.

Michael Coneeny.

Michael Coneeny died at the home of his son, John J. Coneeny, 15 Ellsworth street, Somerville, Mass., February 8, from pneumonia. Mr. Coneeny was born in Ireland 62 years ago. He was one of the first to engage in the florist business in Winter hill. Of late years he devoted his time to the caring of private estates.

OMAHA, NEB.—Mrs. Anna Hess, mother of Jacob J. Hess, of Hess & Swoboda, died at Burlington, Wis., February 21, and was buried two days later on the anniversary of her marriage. She was born October 10, 1825, in Zurich, Switzerland. She is survived by three sons and one daughter. Her husband, John George Hess, died July 18, 1866.

BIRMINGHAM, ALA.—The fifth annual meeting of the State Horticultural Society was held in the rooms of the Commercial club February 13-14. Many valuable papers were read and the members of the organization received a cordial welcome at the hands of the citizens. W. F. Heikes, Huntsville, was elected president and R. S. Mackintosh, Auburn, secretary.

SEDALIA, MO.—S. Pfeffer spoke on "Horticulture" to the members of the Anti-Trespass Association of Pettis county recently. Apple culture was a prominent point in his speech.

THE report of the secretary of agriculture on "The Southern Appalachian and White Mountain Watersheds," giving commercial importance, area, condition, advisability of their purchase for national forests and probable cost with map, may be had of the Department of Agriculture on application.

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TWENTY-THIRD YEAR.

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J. D. CARMODY is due in San Francisco, via Panama, about February 27.

READ H. G.'s article on "Hardy Plants and their Environments," on page 198 of last issue.

MORE GREEN is the cry of retailers everywhere, Asparagus plumosus, A. Sprengeri, Adiantum cuneatum and the like.

A GUM SHOE campaign is reported on foot in several quarters for office of secretary of the Society of American Florists.

HARRY PAPWORTH, New Orleans, La., says Phoenix Roebeleni, is one of the few new things that do well in stores and dwellings.

"WOOD PRESERVATION" by the Forest Service, United States Department of Agriculture, Circular 139, is worth reading by every florist.

AN important address on the "Forcing of Vegetables Under Glass" is reproduced in part in the Market Gardens department of this issue, page 243.

THE way to use a telephone directory to advantage in towns where the population is 100,000 or less, is told under the head of Mobile in this issue, page 239.

IF the low price of carnations will serve to familiarize the flower-buying public with the grand varieties that are now coming to market, it will serve at least one good purpose.

THE sale of high priced nicotine preparations shows that growers are beginning to realize that while tobacco stems can be had for almost nothing, other preparations do the work and do not injure the foliage or discolor the blooms. A gain is also made on account of uniformity.

NEXT year is the one hundredth anniversary of the birth of Chas. Darwin, and opinions are expressed in Cambridge, England, that a celebration of the event should be held there. The world famed scientist was born February, 1809, and his noted book, the "Origin of Species," was published 50 years after (1859).

National Flower Show.

Chairman W. F. Kasting has instructed me to call a meeting of the National Flower Show committee to be held in Chicago March 26, at 2:30 p. m. The place of the meeting will be announced later. This date is during the convention and exhibition of the National Rose Society in Chicago. Very important business will come before the committee and each of the chairmen of minor committees is expected to report. The presence of every member is earnestly requested.

J. H. BURDETT.
Sec'y Pro Tem.

Live Florists' Clubs.

ED. AMERICAN FLORIST:—

Florist club meetings are sometimes pretty dry affairs; the rank and file of membership gradually lose interest and the attendance diminishes to a corporal's guard. But now and again some active committee get together, formulate new plans and with a little extra work manage to produce a spirit of interest that takes hold anew. Recently a committee was appointed in our local florist club to arrange a list of debatable and interesting subjects pertaining to the craft, and were given authority to select the essayists to handle the different subjects. Usually a man begs to be excused when selected to read a trade essay, but this committee thoroughly inspected the field and the work to be done, using care to approach the right man when assigning a subject. The result has so far worked to perfection, and we have had the pleasant experience of attending a club meeting ringing with enthusiasm, as each member waited patiently for an opportunity to express individual views in a concise manner and to an interested audience.

MATTHEW MACNAIR.
Providence, R. I.

Chrysanthemum Society of America.

The Chrysanthemum Society of America, realizing the necessity of closer relations with the various horticultural societies throughout the country, and agreeable to a vote taken at the annual meeting in New York November 6, 1907, the executive committee cheerfully invites the hearty co-operation of every horticultural society in the United States, and offers the following for their careful consideration:

Any horticultural society, or gardeners' or florists' club may become affiliated with the Chrysanthemum Society of America on payment of an annual fee of $25, such fee entitling it to the following privileges:

(1.) The C. S. A. will offer a substantial silver trophy as a prize for chrysanthemums; the character of the class, and conditions of the competition to be left to the discretion of the society so affiliated.
(2.) To receive 12 copies of the C. S. A. publication, free of charge.
(3.) To have two free passes to the annual exhibition of the C. S. A.
(4.) To elect one of its members as a delegate to the annual meeting of the parent society, with voice and vote on any subject, except matters of finance, such delegate to be annually elected by the society affiliated.

CONDITIONS OF AFFILIATION.

Subject to the foregoing, the affiliated society shall pay the above mentioned fee on or before April 1 of each year to the secretary of the C. S. A. and furnish the following information:

(a) The full title of the society, the name and address of the secretary, and the name of the delegate elected.
(b) The date on which the next fall show will be held, and the conditions under which the C. S. A. trophy will be given.
(c) A copy of the prize schedule of the affiliated society to be sent to the secretary of the national society as soon as possible after publication.

DAVID FRASER, Secy.

Meetings Next Week.

Boston, Mass., March 7, 11 a. m.—Massachusetts Horticultural Society, Horticultural Hall, 300 Massachusetts avenue, address on "Agricultural Education in the Public Schools," by Pres. Kenyon L. Butterfield, Amherst, Mass.

Dayton, O., March 5.—Dayton Florists' Club, 37 E. Fifth street.

Des Moines, Ia., March 3, 8 p. m.—Des Moines Florists' club, Iowa Seed Co.'s store.

Detroit, Mich., March 4, 8 p. m.—Detroit Florists' Club, 38 Broadway.

Grand Rapids, Mich., March 2.—Grand Rapids Florists' and Gardeners' Club, Board of Trade rooms, Pearl street.

Hamilton, Ont., March 3, 8 p. m.—Hamilton Gardeners' and Florists' Club, office of member.

Indianapolis, Ind., March 3, 7:30 p. m.—State Florists' Association of Indiana, State house.

Lake Geneva, Wis., March 7, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, News building.

Louisville, Ky., March 3, 8 p. m.—The Kentucky Society of Florists.

Milwaukee, Wis., March 5, 8 p. m.—Milwaukee Florists' Club, Quiet house, corner Broadway and Mason street.

Montreal, Que., March 2.—Montreal Gardeners' and Florists' Club, Alexandria rooms, 404 St. Catherine street, west.

New Orleans, La., March 4, 8 p. m.—German Gardeners' Club, 624 Common street.

Newport, R. I., March 4.—Newport Horticultural Society.

Pasadena, Cal., March 6.—Pasadena Gardeners' Association, G. A. R. hall, East Colorado street.

Philadelphia, Pa., March 3.—Florists' Club of Philadelphia, Horticultural hall, Broad street above Spruce.

Pittsburg, Pa., March 3, 8 p. m.—Pittsburg and Allegheny Florists' and Gardeners' Club, 422 Sixth avenue.

Salt Lake City, Utah, March 4.—Salt Lake Florists' Club, Huddart Floral Co., 114 East Second South street.

San Francisco, Cal., March 7.—Pacific Coast Horticultural Society.

Seattle, Wash., March 3.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.

Utica, N. Y., March 5, 8 p. m.—Utica Florists' Club, Hotel Martin.

Washington, D. C., March 3, 8 p. m.—Florists' Club of Washington, 1214 F street N. W.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Every paid subscriber to the AMERICAN FLORIST for the year 1908 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—A good decorator designer and manager, by March 15. Best of references. Key 440, care American Florist.

Situation Wanted—A1 rose grower, good propagator wants position in or near Chicago; best references. Key 443, care American Florist.

Situation Wanted—By first-class grower of all kinds of cut flowers and plants; good propagator to take charge of section; 20 years' experience. Key 438, care American Florist.

Situation Wanted—As gardener on private place with glass; head or single; age 38; life-time experience, well up in general gardening, best of references. THEODORE URBAN, 1412 S. 13th St., Omaha Nebr.

Situation Wanted—By orchid grower; 15 years' experience in first-class private and tradeestablishments in England; seedling growing a specialty; please state wages. Key 447, care American Florist.

Situation Wanted—By A1 landscape gardener grower of all kinds of cut flowers and plants, nurseryand vegetable stock; 44 years of age; life-time experience, references. Key 448, care American Florist.

Situation Wanted—As working foreman, first-class grower roses carnations, palms and ferns, bedding plants and forcing bulbs: 22 years' experience, strictly sober and honest; married. Key 441, care American Florist.

Situation Wanted—As working foreman, understands growing roses; carnations mums and all bedding plants, etc. 15 years' experience; married, one in family; private or commercial, best of references. T. G. COFFEY, Castle Grove Greenhouses, Danville, Penna.

Situation Wanted—An intelligent young man, age 24, with some experience in general greenhouse work wishes to get a position in a first-class private or commercial retail place; kindly give particulars and wages offered. WM. SILVA Box 73, Morgantown W. Va.

Situation Wanted—Married florist, 30 years old, German, sober and reliable with 14 years' experience in bedding and general stock, also good landscaper, wishes position on commercial or private place; state salary in first letter. E. ECKERT, 170 E. 39th St., Chicago.

Situation Wanted—By an energetic and honest florist; German, 26 years old, single; 12 years' experience in the growing of cut flowers and all commercial pot and bedding plants; have excellent European and English references; competent to take charge; retail or private place preferred; good wages and steady position expected Address Key 449, care American Florist.

Situation Wanted—Working foreman and manager; 35 years of age, German, single, hustler strictly sober, intelligent of good education, 22 years' practical and theoretical experience in roses, carnations ferns, 'mums violets, bulbs, bedding plants fancy Xmas and Easter plants, design, decorating landscape; good references as working foreman disengaged March 15, or later, good wages expected. Address Key 450, care American Florist.

Help Wanted—An experienced orchid grower; married man preferred. Address Key 451, care American Florist.

Help Wanted—First class American Beauty grower; references required. UNITED STATES CUT FLOWER CO. Elmira, N. Y.

Help Wanted—A good helper for general greenhouse work at an up to date commercial place. Key 435 care American Florist.

Help Wanted—By April 1 reliable, competent grower for modern retail place; good wages; married man preferred. Key 439, care American Florist.

Help Wanted—A strong man with some experience in greenhouse work; send references and wages expected with board. GEO. ALLAN, Florist, Princeton, N. J.

Help Wanted—A man to work in rose section, also two men for general greenhouse work; state wages without board. Address Key 340, care American Florist.

Help Wanted—Second man for private place; general greenhouse and bedding plants, melons, etc.; single; $70; near Chicago. Key 444 care American Florist.

Help Wanted—Good salesman and maker up for retail store in large city on Pacific coast; give references, wages expected and other particulars. Key 431, care American Florist.

Help Wanted—Decorator and designer; one who has some knowledge of plants; single man preferred. References and wages in first letter. Address Key 410, care American Florist.

Help Wanted—An upright, sober young man, who has some knowledge in the culture of fruit and vegetables; state wages wanted with room and board. AUGUSTUS CASPERS, Rochelle, Ill.

Help Wanted—Young man with good record acquainted with the florists' supply business. Give full particulars as to experience, salary expected, etc. Address Western 220, care American Florist.

Help Wanted—Good grower of roses, carnations and general greenhouse plants; must understand his business and be willing to work; state age and wages expected. F. KUECHENMEISTER Wichita, Kans.

Help Wanted—Experienced manager or foreman for large commercial place where all kinds of cut flowers and plants are grown: Pacific coast, American or Englishman perferred. Address Key 432 care American Florist.

Help Wanted—By April 1, a working foreman, married, to take charge of 35,000 feet of glass, where roses, carnations, 'mums and a general line of bedding and pot plants are grown for retail store; must be capable of producing first class material and also fully able to handle men to best advantage. JOHN RECK & SON, Bridgeport, Conn.

Wanted—Some one with capital to advance money to build a greenhouse on my land in central Iowa. I have a good and growing trade worked up. Key 445, care American Florist.

Partner Wanted—In a small greenhouse; some middle aged unincumbered woman by the first of April; good chance for the right person B. F. EADES, 810 Franklin St., Kirksville, Mo.

For Rent—In one of the busiest sections of New York, a very desirable room for a small flower shop and stand; rent very reasonable. Address, S. & S., care American Florist. 1133 Broadway, N. Y.

For Sale—Two small greenhouses, with stock. LIMITS FLORIST, 1741 Diversey Blvd., Chicago.

For Sale—A large florist refrigerator with mirrors and marble base at a bargain A. B. ELLSWORTH, 17 N. 6th St., Allentown, Pa.

For Sale—Floral refrigerator and store fixtures suitable for retail florist store in first-class condition, almost new. BRIGHTON FLORAL CO., Station B, Cincinnati, Ohio.

For Sale—Two house, each 14x100 ft and one 5½x100 fully stocked opposite the largest cemetery here; one acre of land, living rooms above office. A good man on carnations and bedding plants can do well here. F. W. MEYER, Kalamazoo Mich

For Sale—Nicely fitted up florist's store, ready for business; Seventy-fifth Street and Madison Avenue corner, New York city; lease one to five years; best private neighborhood in city; immediate possession. Inquire of American Florist, 1133 Broadway, New York.

For Sale—20,000 square feet of glass, well stocked; three acres of ground; six-room house; all modern, in good condition, and a money-making place in best city of Indiana; $4,500 required. Details to parties meaning business. Key 427, care American Florist.

For Sale—Largest florist business in a flourishing western city of 150 000 people; vast, rich territory. 200 000 square miles; 70 000 feet of glass; elegant store; doing fine business. Price; Green houses $30,000; with store, $4 ,000. Would sell third interest to right parties. Address Key 446 care American Florist.

For Sale—A retail florist business consisting of 4200 feet of glass well stocked, store building with living rooms above: on 2 lots 44x136 feet located in the heart of a residence city; county seat of 10,000 inhabitants less than 50 miles from Chicago with good surrounding towns. Address Key 434, care American Florist.

For Sale—A greenhouse plant in Colorado Springs, Colo., of about 19,000 feet of glass all stocked and just coming in good bearing condition steam heat; city water; cheap coal; six room cottage with plant, one acre of ground. This is a rare chance for a man with a family to help or a party that wants a higher altitude; good trade; fine soil and water the best. A. D. JONES, Broadmoor, Colorado Springs, Colo.

For Sale—A large modern and successful floral establishment, the oldest established in the city, carrying a complete line of cut flowers potted plants, seeds, poultry supplies, etc. This place must be seen to be appreciated, and under proper management, is a money maker. Will be sold at a price that is right. For further information address C. EDWIN OYSTER, 507-8 Dollar Bank Bldg., Youngstown, Ohio.

For Sale—Greenhouse property. I offer for sale to quick buyer a splendid greenhouse property at Highland N. Y., consisting of the following three houses, respectively: 161 x 26, 102 x 26 and 100 x 50 all of the most modern iron construction, heated with hot water, and supplied from village water system: also one propagating house 50 x 6, together with two acres of valuable land, all lying in the village of Highland. This property is in A1 condition, and will be sold at a reasonable figure, on easy terms; possession given June 1, 1908. L. M. PARKER, Highland N. Y.

FOR SALE AT A SACRIFICE.

Seven greenhouses. For particulars see my adv in this paper of Feb. 22. W. H. HUMFELD FLORAL CO., Kansas City, Mo.

For Sale One tubular steam boiler, 60 horse-power, in excellent condition, price, $150.00. One Kroeschell hot water boiler No. 1, will heat 6000 ft. glass. Used only three seasons, Price $100.00. Write GRASER & HUMPHREYS, Mt. Sterling, Ky.

To Lease or For Sale

To first-class grower of Roses and Carnations **35,000 sq. feet of glass,** all new and modern doing a wholesale business. Local retailers buy everything grown. **A splendid opportunity** for competent grower and manager. Would sell a part interest to right man. Location, Indiana. Address **Key 442, care American Florist.**

MANAGER WANTED.

Manager wanted for Dunlop's retail store in Toronto, Ontario. This store does the leading and best business in Toronto and and requires a man of the very best type who is thoroughly competent and up-to-date in decoration and designing. Apply with references to

HENRY WINNETT, The Arlington Hotel, NEW YORK CITY.

A Undeveloped Gold Mine at a Bargain.

A snap for a live practical florist having a small amount of cash capital; my greenhouse plant and residence is offered for the next 60 days at a sacrifice; it is well located in the best city of its size in Michigan, having 14 profitable tributary towns and only one other greenhouse within 30 miles; first-class cut flower and plant business. Write for particulars.

A. W. TWEEDIE, Cadillac, Mich.

New cuts now coming on of **Fancy KILLARNEY and RICHMOND**

OTHER ROSES IN GOOD SUPPLY.

Carnations also in good supply. We grow our own **Lily of the Valley, Fancy Mignonette, Freesias, Tulips, Daffodils,** and all other seasonable flowers. **Green Goods** also a specialty. All at market prices day of shipment.

Poehlmann Bros. Co. Office and Salesroom 33-35-37 Randolph St. Long Distance Phone Randolph 35. **Chicago.**

HENRY M. ROBINSON & CO., Wholesale Commission Florists. Hardy Cut Evergreens and Florists' Supplies.

BRONZE GALAX, best quality...$8.50 per case, 10,000 **GREEN GALAX,** best quality...$7.50 per case, 10,000
DAGGER AND FANCY FERNS.....$1.50 per 1000

Laurel Festooning, Boxwood, Southern Wild Smilax, Sphagnum and Green Moss, Leucothoe Sprays, etc.

15 Province St. and 9 Chapman Place, BOSTON, MASS.

Milwaukee.

STOCK PLENTIFUL AND GOOD.

At the present writing, there is plenty of all kinds of stock for all demands. The stock is however, also very fine, some especially fine Bride and Bridesmaid roses being noted; Richmond is also good. Carnations are arriving in heavy quantities, but there is a fair demand for them. There was a very heavy call for violets for both St. Valentine's Day and Washington's birthday.

J. M. Fox & Son and August Kellner had the decorations for the Deutcher club ball. Large quantities of wild smilax were used and also several thousand Princeps narcissus.

The committee having the Florists' Club dance, February 26, in charge says that the largest gathering of florists that ever took place in this city is expected.

Arthur Leideger, of Edlefsen, Leideger Co., and Miss Elsie Dernehl will be married February 26 at the home of the bride.

James Chacona is handling large quantities of carnations and roses just now and reports business as being good.

Holton & Hunkel Co. are receiving some very fine Bride and Bridesmaid roses and choice carnations. H.

THE RECENT FESTIVE DAYS.

St. Valentine's Day business has become quite a feature here and florists' delivery wagons now find their way into all sorts of localities never visited for regular trade. The packages are nearly always small but choice in quality. The florist who fills all these orders as carefully as though they were for his best customers is sure to make new patrons. Washington's birthday is not such a feature for florists as it is for politicians. Aug. Kellner's decorations for the Bachelors' ball was the only noteworthy event on this occasion. For St. Patrick's Day there will be 3-inch pots of shamrock on the market this season. It is encouraging to find the supply of well grown stock on the increase.

Holton & Hunkel are handling Loeffler's excellent sweet peas with stems a foot long. This firm is also supplying the local retailers daily with fancy lily of the valley. Work is begun on its Brown Deer plant, the principal feature of which will be an immense asparagus house. Frank Barnes will in all probability take charge of this structure. The old plant will be devoted to pot stock under the management of Geo. Holton, who has made such a success of that feature.

Chas. Zepnick is sending in a few pansies daily. They are particularly praiseworthy and seven to nine long stemmed flowers, separated with green, make a large bunch. Color and form are the result of constant care in selection by Mrs. Zepnick. These flowers wholesale at five cents each and J. M. Fox & Son take them all.

A. Klokner, Wauwatosa, is sending in some light colored snapdragons and stocks of good quality.

The C. C. Pollworth Co. is supplying very fine Primula obconica plants.

W.

Lake Geneva, Wis.

The Lake Geneva Gardeners' and Foremen's Association held its annual meeting at the new quarters in the Metropolitan block, February 22. The most important business transacted was the election of officers for the coming year. The following were elected as directors: A. J. Smith, Axel Johnson, H. M. Dickinson, Wm. P. Longland, Frank Kuehne, John Tiplady, John Agern, R. J. Sampson, H. W. Illenberger.

Immediately after the election the board of directors met and elected the following officers: Axel Johnson, president; R. J. Sampson, vice-president; H. M. Dickinson, secretary; John Agern, treasurer.

Owing to the increasing size and importance of the association, the members decided that it would be better to have a regular lodge room to meet in; accordingly the committee secured the Woodman hall in the Metropolitan block. The preparations for the trial orchard are being pushed and there is some prospect of having the planting done this spring.

Fancy and Dagger FERNS $1.50 per 1000

Discount on large orders.

New Crop Galax, Bronze or Green, $1.25 per 1000: 10,000, $7.50. **Wild Smilax,** 50-lb case, $6.00.
Sphagnum Moss, large bales.....$1.25
Leucothoe Sprays.....$1.00 per 100; 1000, 7 50
Boxwood.....35c per bunch; 50 lbs., 7,50

Florists in the Middle and Western States can save money by placing their fern orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,
WHOLESALE COMMISSION FLORISTS,
38-40 Broadway, All Phone Connections. **DETROIT, MICH**

George Cotsonas & Co.

Wholesale and Retail Dealers in all kinds of

Evergreens.

Fancy and Dagger Ferns, Bronze and Green Galax,
Phone 1202 Mad. Sq.
Main Store, 50 W. 28th St., **NEW YORK.**

E. A. BEAVEN

Southern Wild Smilax,
Log Mosses,

Natural and Perpetuated — at Wholesale,

EVERGREEN, ALABAMA.

John P. Scherer

UNION HILL, NEW JERSEY.

New York Branch: 468 Sixth Ave., bet. 28th and 29th Sts., New York. Telephone 6237 Mad. Sq.

SMILAX, FERNS, PALM LEAVES

and all kinds of GREEN GOODS.

H. J. Smith

HARDY CUT FERN DEALER, ETC.,

HINSDALE, MASS.

THE KERVAN COMPANY,
113 West 28th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe, Ferns, Mosses and all Decorative Evergreens.

Sphagnum Moss and Cedar Poles.

Moss, 5 barrel bale, $1.25; 2 bales, $2.25; 5 bales $5.00; 10 bales, $9.50. **Poles,** 2-in. butt, 8 ft. long, $15.00 per 1000; 2½-in. butt, 10 to 12 ft. long, $22.50 per 1000; 1½-in. butt, 5 to 7 ft. long, $10.00. Cash.
H. R. AKERS, Chatsworth, N. J.

Cut Formosa Lilies

Choice flowers with long stems, **$12.00 per 100.** Now ready for sale. We have 5,000 pots of this choice lily just coming into bloom.

OUR ROSES, CARNATIONS AND OTHER STOCK

Are all being cut in large quantities, with prices away down.

BUY DIRECT OF THE GROWERS.

BASSETT & WASHBURN,

Wholesale Growers and Dealers in Cut Flowers,

Greenhouses: Hinsdale, Ill. **Store: 76 Wabash Ave , Chicago.**

Minneapolis.

TRADE VARIABLE.

We are now bridging the gap between seasons, and every house reports its dull days, with here and there a good spurt. Stock of all kinds is abundant; carnations do not exceed the demand, especially in red and white. Roses are much more plentiful and are coming down somewhat in price. Bulbous stock is swamping the market; violets are first class, and the price keeps up. Azaleas, primroses and Dutch hyacinths are shown in every window, and are moving rapidly.

NOTES.

The Twin City Florists' and Gardeners' Club met at the Park Board greenhouses February 18. Aug. S. Swanson read a very interesting paper on "How the Club Can be of Benefit to its Members." The subject under discussion during the evening was "Bulbs," including the cost of growing, value of setting a uniform price, etc. Nearly all the members were present, and an interesting evening was spent.

Carlson & Sandberg are cutting some fine Richmond and Bride roses, and are making a harvest of single violets. This firm intends putting up a new violet house the coming summer 22x125 feet.

O. C. Swanson had a unique decoration at the Plaza hotel February 21, using pine trees throughout the dining room, a veritable isle of pines for a center piece banked with violets and daffodils.

Theo. Wirth will attend the S. A. F. committee meeting in March, and on the same trip will take in the rose show in Chicago. John Monson is also planning on going to the rose show.

The Minneapolis Floral Co. reports very good business. Geo. E. Valker, for the past two years packer for this firm, is going into business for himself in Minot, N. D., March 1.

Louis Bogley, head gardener to the park board, has returned from a two months' trip throughout the southern countries of Europe.

W. D. Desmond, of the L. S. Donaldson Co., is off on a two weeks' vacation in Milwaukee and Chicago.

Rice Bros. report business first class the past month, and out-of-town trade good.

T. H. Hall intends building a house for violets.

Visitors: H. Wilden, of Warnaar & Co.; Sassenheim, Holland; W. E. Pera, representing Segers Bros., Lisse, Holland; A. T. Shotwell, Fargo, N. D.; S. N. Mehlin, Fergus Falls.

M.

IF YOU ARE IN NEED OF

GOOD STOCK

We are fully confident that we are in a position to fill your wants.

Why? Because we carry the kind of stock that you are looking for, as we make a specialty of producing high grade stock of all kinds, being strong in

Roses, Carnations,

Violets, Bulb Stock,

as well as **Smilax** and

all other Greens.

In addition to the cutting of a choice line of stock from our own large greenhouses, we also handle the productions of a number of the best growers in this city, thereby placing us in a position to fill all orders in a very satisfactory manner, as a trial order will convince you.

So if you wish to avoid disappointments and want your orders filled satisfactorily, just give us a call and you will be more than pleased that you called upon us.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of CUT FLOWERS

Fancy Carnations

We have **big cuts of the Finest Carnations** seen on this market in years, our prices are down to **$1.50 to $2.50 per 100;** according to grade. **LONG BEAUTIES** also in good supply. **ROSES,** of A1 grade and in good crop. Note the following prices.

	Per doz.
American Beauties, extra long stems	$5 00
30-inch stems	4 00
24-inch stems	3 50
20-inch stems	3 00
18-inch stems	2 00
15-inch stems	1 50
12-inch stems	1 25
8-inch stems	75c to 1 00

	Per 100
Bride,	$ 6 00 to $10 00
Bridesmaid, fancy	6 00 to 10 00
Killarney, fancy	10 00
" good	5 00 to 7 00
Kate Moulton, fancy	10 00
" " good	5 00 to 7 00
Richmond, fancy	10 00 to 15 00
" good	6 00 to 8 00

	Per 100
Chatenay, fancy	$10 00 to $12 00
" good	6 00 to 8 00
Uncle John, fancy	6 00 to 10 00
Perle	4 00 to 8 00

ROSES, Our Selection, $4.00 per 100

	Per 100
CARNATIONS, fancy	$2 50
" good	1 50

All other stock at lowest market rates. No charge for packing. Prices subject to change without notice.

WIETOR BROS.,

Wholesale Growers of ..... **CUT FLOWERS** **51 Wabash Ave., CHICAGO**

My Trip Abroad.

A paper read by H. Kleinstarink before the Kentucky Society of Florists at Louisville.

To describe orchid hunting in Central and South America, which I promised you in our last meeting, is, I find, not so easy after the lapse of 20 years, and many happenings are blurred by relentless time. As you all probably know, orchids are among the most interesting plants and nearly every part of the world has some representatives. In our own country we find some very beautiful terrestrial orchids, like cypripediums or lady slipper, but the most beautiful are the epiphytes or those that grow on trees, which are all natives of the tropics.

Here it is we look for that endless variety of forms and colors which no other family of plants can equal. For anybody who loves nature the collecting of these plants, which produce such lovely flowers, is one of the most attractive enterprises to undertake, and the young man who gets ready to spend a few years of his life in this business, usually does not take into consideration all the worry, hardships, dangers and risks he will have to encounter. The first thing an orchid collector has to do when arriving in a city like Mexico is to provide himself with a mule or burro, several Indians, plenty of ammunition and food, and set out as far from civilization as possible. You very soon get used to sleeping in a hammock slung between the trees, and never eat with better appetite than after a whole day's riding, marching, climbing and jumping. After coming to a place where orchids are found in abundance the best way is to make some kind of camp, and commence operations. Some trees are found, loaded with hundreds of orchids, often as many as 20 varieties on one trunk, and it is no picnic to get these down. Sometimes it is necessary to cut the tree down to reach them and, as you all know, we find some very large trees in these forests. Some of these occupy all of an acre, so large are the dimensions, formed from roots, which, coming down from the branches, form other trees.

After a collection is got together the plants have to be prepared for shipment, either sent to the nearest towns on burros or Indians' backs in boxes or mats, or by river on boats or rafts. On one of my trips from the gulf to the Pacific on the isthmus of Tehauntepec I camped for one night on the bare crown of the old Tuntla crater, several thousand feet above sea level, and it was my good fortune to see one of the most strange sights. Over the top of the mountain the sky was clear, but below a fearful thunderstorm raged, and it was a grand spectacle to see the clouds below us, every now and then torn asunder by vivid flashes of lightning. Very often our way went through impenetrable forests, and palms, ferns, bromeliads and other plants had to be cut to make a road. Upon other occasions dangerous passes had to be crossed, sometimes only one foot wide, while far below the giant trees looked like little azaleas, and it would not do to get dizzy.

Penetrating deeper in the forests we meet very few people, sometimes for days or weeks not a soul, and then but Indians, who are astonished to see a white skinned man; and soon you will be surrounded by men, women and children, all asking questions and staring with wonder. We do the same, till we get used to the scantily dressed natives, who do not use umbrellas when it rains, but to save their few clothes from getting wet, strip to the skin, wrap their raiment in a banana leaf and go on their way as if they were Adam and Eve. For the most part these Indians are harmless and very hospitable. They will work hard for five cents per day and can carry loads weighing hundeds of pounds for days at a time without getting tired. Animal life in these forests is sometimes very plentiful, while for days in others you will not see anything. Monkeys, jaguars, small deer, pumas and plenty of snakes are often very annoying, especially the monkeys, which will steal the food from under your hammock, while tigers, lions and jackals make a fearful racket all through the night. The scenery in the Cordilleras or Rocky mountains is grand in the extreme. The changes from the tropical heat to the frigid zone can all be had in one day by climbing several high mountain peaks. At the bottom we have palm forests, selaginellas, ferns, marantas, etc.; a little higher we will find the trees of the temperate zone, while still higher the dwarf oak and pine that can resist the cold. We find some orchids even where ice is found on the water in the morning, while others require always a warm climate. Cattleya citrina I found in the hottest place in Mexico, while Lycaste Skinneri was found 3,000 to 4,000 feet high in Guatemala. Often we had to pass through swamps which were beset by mosquitoes, so annoying that it was impossible to travel without a mosquito mask over the face; otherwise eyes, nose and mouth would be filled by these pests, and they would actually get to your skin through flannel cloth. In this neighborhood we were caught up by a little rebellion, which are, in these countries, of daily occurrence, and taken prisoners, but a few days later had the satisfaction of seeing our captors put all in a row and get shot by the winning side.

On one of my explorations my career was nearly cut short in an unexpected manner. Being accompanied by two Indians who were left behind in my haste to find some crytopodiums I spied one very large one below on a rocky ledge, and trying to go down to it, my hold slipped and I was whirling down when, luckily, a mesquite or acacia bush being in the way, I held on to this with all my might. Here I was hanging where I could see several hundred feet below me the scraggy rocks dipping in a shallow stream. There I clung for more than two hours till the natives, who spied me, got mesquite ropes and got me out of that ticklish position. It took several days before my hands and arms were pliable enough to use them. But who would care for this if a few days later he stands with open mouth and a beating heart to admire several thousand Cattleya Bowringeana in full bloom or he strikes the place where Odontaglossum grande displays all its glory, just ready to be taken up and prepared to send to colder climes; and then the eternal hope and expectation of finding a white Lycaste Skinneri or a new form of selenipedium, or an entire new species of orchid, palm or somthing else? Who would not eat tortilla and frigoles, black beans, unleavened corncake for weeks at a time, only now and then seasoned with lizard, monkey or snake, just for the glory of it all—just to stand on a hilltop and survey a scene such as Switzerland never could show, or listening with bated breath, under the forest giants, to the dreaming stillness of so much life, in such diversified form, where you feel like an atom in the atmosphere or a drop of water in an ocean, or go down in the Baranca (canyons, we call them) 2,000 or more feet deep, the perpendicular walls of which are clothed with a thick carpet of moss, and hundreds of varieties of ferns to stand at the bottom of these, look up and see, through the opening on the top, the stars shining in the middle of the day? It is impossible for me to describe this fully; it has to be seen to be understood.

MALDEN, MASS.—John Walsh & Son had the decorations at the home of the bride recently at the wedding of Chester Francis Gibbons and Miss Adele Marion Cox. The bride carried lily of the valley and Bride roses and her dress was trimmed with lily of the valley. Palms, laurel and carnations were freely used in the home.

German Horticulture.

FROM THE GERMAN TRADE PAPERS.

CLIMBING FERNS BY THE ACRE.—Specialization does not appeal to the old school gardeners, but for all that its benefits are now fully recognized everywhere. Energetic foregoing of modern business enterprise, vested in the younger generation, has wrought astounding changes in production and marketing of staples in the plant and flower line. It induced some of the more farsighted growers to plunge head-long into ventures which, but a few decades ago, would have seemed miracles of daring. One of these dauntless divers into unknown waters is F. Proeller, of Wittenberge, Prussia. Some years ago he selected Lygodium scandens, the well known but sparingly cultivated climbing fern, as his exclusive specialty, devoting an area of glass covering several acres to its culture. All the houses are especially designed for the growing of this fern into strings of about seven feet in length. At the time he started, Lygodium scandens had no place among the kinds of decorative greens then grown for the market. A demand for this new commodity had first to be called forth by persistent endeavor on the part of the producer. This, however, does not seem to have proved a difficult task, since but a few years later the establishment was greatly enlarged, so that now the annual output amounts to over 200,000 feet of fern strings. Lygodium scandens, in its propagation, requires about two years to become of bearing size, but after that it is a producer of marketable strings for an indefinite number of years. It thrives under very much the same cultural treatment, after being once firmly established, as smilax, but brings a much higher price. For loosely arranged festooning at room, hall and church decorations it is most effective and unequaled by any other green on such occasions for its grace, depth of color and lasting quality.

CROTONS COMING TO THE FRONT.—In an article on crotons and the many ways in which they might be used to advantage in Germany, as well as in most other countries of horticultural renown, American plantsmen and decorative florists are given due credit for having set the pace of freely employing crotons in all kinds of outdoor plantings during the summer, and as holiday stock in all forms of made-up decorative pieces throughout the months of fall and winter. Attention is drawn to the fact that now for several years crotons, used in combination with other plants or grouped by themselves in pans as well as singly in moderately sized pots, have sold rapidly at good prices at the plant markets of London and Paris. Of the many sorts now grown the best varieties for the commercial gardener are claimed to be Earl of Derby, Sunshine, Baron de Rothschild, Andreanus, Queen Victoria, Lady Zetland and Golden Ring.

LILIUM PHILIPPINENSE.—From Naples, Italy, it is reported that Lilium Philippinense, under careful culture, gave entire satisfaction. Although the bulbs, when received, were in bad condition, very small, shriveled and nearly dried up in the long transit, they all soon recovered after being potted into a mixture of roughly broken up turfy loam and coarse, sandy woodland mold, freshly gathered and carefully prepared. The pots then had been deeply sunk into loose soil, were covered to the depth of about 4 inches, where they remained until April, when every one of the bulbs began to make a sturdy growth. They flowered in July, were unusually fine plants and showed no trace of disease. The writer expresses in highest terms of praise his faith in this new species for the near future, convinced of its being one of the finest lilies for all purposes.

A MERITORIOUS INVENTION.—Rosenentstachelapparat is the name of a newly patented contrivance, helpful as a labor-saving device to rose grafters in particular, since it will do the work of 10 men in removing rose thorns or the spines on manetti and brier stocks.

WE ARE ON WITH A BIG CROP OF

EXTRA FANCY RICHMONDS

All other **Roses** in big supply. **Carnations,** too, are in full crop with us.
We can take care of your orders, large or small. Let us have your regular orders.

OUR PRICE LIST.

	Per doz.
American Beauties,	
Extra long stems,	$6.00
30-inch stems	5.00
24-inch stems	4.00
18-inch stems	3.00
15-inch stems	2.00
12-inch stems	1.50
Short stems	.75 to 1.00

	Per 100.
Mrs. Marshall Field and Killarney.	
Best	$10.00 to $15.00
Short to medium	6.00 to 8.00
Liberty and Richmond	
Best	8.00 to 10.00
Short to Medium	5.00 to 7.00
Golden Gate Select..	8.00 to 10.00
Short to medium	4.00 to 6.00
Perle	4.00 to 8.00

	Per 100
Chatenay Select	$10.00 to $12.00
Short to medium	6.00 to 8.00
Bride and Bridesmaid	6.00 to 10.00
Sunrise	6.00 to 10.00
Uncle John	6.00 to 10.00
Ivory	6.00 to 10.00
Carnations	2.00 to 3.00
Lily of the Valley	3.00 to 4.00
Asparagus Plumosus	2.00 to 3.00

ROSES, OUR SELECTION, short to medium stems, all fresh stock, $4.00 per 100.

PETER REINBERG, 51 Wabash Ave., CHICAGO.

Largest Grower in the World. 1,580,000 Feet of Glass.

Nashville.

GOOD STOCK SCARCE.

Trade conditions have been quite favorable to the grower and much northern stock has been used here recently. The retailers are not always satisfied with the quality of the goods shipped in and there is a tendency among them to encourage the production of staple cut flowers at home. This is especially true of tea roses and carnations, for which there is always extensive demand. Some retail merchants claim that carnation stock recently shipped in has been so small as not to be worth the expressage, not to speak of the purchase price. Many of the roses received here have also been of inferior quality.

M. Stauch, of the Joy Floral Co., has the firm's greenhouse plant well in line for many improvements, some of which will be made this year, including an addition of three houses 32x400 feet. Rose grafting is still going on here, this work having been delayed by difficulty in securing manetti stocks early enough in the season. Mr. Stauch is well satisfied, however, with the appearance of the stock already grafted.

McIntyre Bros. are still cutting fine poinsettias and they are well pleased with the double form. The members of this firm are casting around for a new location. The present place is too valuable for greenhouse work and the supply of greenhouse soil in the immediate vicinity has become exhausted.

Geny Bros. carry a nice line of stock in their city store and find business booming. They will build two carnation houses this season, 24x100 feet.

Visitor: E. J. Fancourt, Philadelphia, Pa.

Birmingham, Ala.

BUSINESS GOOD.

The unsettled money market has not hurt business here to any great extent and the retailers still find plenty to do. The local growers are turning out some nice stock but not nearly enough for the demand, and in consequence, Chicago is called upon regularly for supplies. In plants Lindsay is showing some exceptionally fine Adiantum Farleyense and Primula obconica in variety, supplied by J. A. Peterson of Cincinnati, O. The dealers of this section are looking forward to good times, especially if the cotton growers secure the advanced price for which they have been holding their material.

Hugh Seales, president of the local Horticultural Society, had a serious accident in the bursting of his boiler last week, and had to keep his houses warm with stoves for three nights, while the damage was being repaired. Mr. Seales has some unusually fine carnations in leading varieties and to meet the increasing demand he will build a new range this season. He expects to attend the Chicago exhibition of the American Rose Society, March 25-27, inclusive.

The Amzi Godden Seed Co., devotes one of its windows to a flourishing cut-flower department, for which it is receiving some excellent stock from A. J. Koenig.

Wm. M. Lindsay is a candidate for the board of revenue, subject to the action of the democratic primary, his platform being good roads.

John L. Parker is making a good display of seasonable stock at his various stores.

G. E. Luffman is doing a nice business at Eleventh avenue and Twentieth street.

Theo. Smith is now conducting the business at 2106 First avenue.

Little Rock, Ark.

The State Floral Society, at its first meeting of the year at the Hotel Marion, February 19, started well. Those present were Directors J. J. Mandelbaum, J. F. Letton, Wm. Pollock, Paul M. Palez, Rees P. Horrocks, Geo. A. Stratman and Geo. R. Brown. The room was redolent with the perfume of Mrs. Potter Palmer and Richmond roses, and the business transacted demonstrated the usefulness of the organization.

There being four vacancies on the board of directors, the places were filled by the election of W. S. Mitchell, Ad Hamberg, W. F. Ferguson and W. B. Miller, bringing the number of directors up to 15. Bishop Morris, one of the most efficient of the directors, 'phoned his regrets at his inability to be present.

It has been the design of the society ever since it was organized to restore the city to its old place as the City of Roses, and to that end the organization has entered vigorously into a campaign for the beautifying of lawns and creating flower gardens. It was decided that on June 1 next valuable prizes will be awarded to the most attractive, the prizes being divided into two classes, covering both lawns and flower gardens, and in making the awards the committee to be governed by surroundings and the condition of the street to the center of it.

It was decided to make the proposition a competitive one, and on motion a committee of awards was appointed. This committee consists of Bishop J. B. Morris, chairman; Paul M. Palez, W. S. Mitchell, W. B. Miller and Geo. A. Stratman.

Chicago.

MARKET OVERSTOCKED—TRADE DULL.

The market for the past week has been badly overstocked. Never before, say those in a position to know best, has there been such a large supply of carnations in February as there was at the close of last week and the opening of this. Growers explain that carnations having been planted very late last fall did not really come into a full crop until recently, but now the plants are more than making up for lost time with the result that prices are low and buyers not near numerous enough to move off the glut even at a sacrifice. Quotations were not very materially lowered, the extra fancy reds bringing very fair figures and all shipping stock necessarily bringing a certain fixed minimum high enough to pay for the handling and the carriage risks. But the street vendors reaped the profit, as did also some of the legitimate local retailers who advertised their wares at exceedingly low prices in the daily papers. Bulb stock has only added to the difficulties of the market, coming in greater quantities as the season advances. Easter lilies and callas have been offered at very low prices. Roses are in a somewhat better position on the market than other items, but there have been increased receipts, so that by the fore part of the present week there were at least enough to go around. In most cases any threatened surplus was readily moved off by the making of very slight concessions. Long American Beauty is the one scarce item. Violets have been even more of a drug on the market than carnations and were offered in large lots at almost any price to move off even a portion of the great amount of stock received. There has been quite a little demand for orchids of late. Cypripediums are practically gone, but Cattleya Schroederæ and C. Trianæ are coming in.

THE J. B. DEAMUD CO.

The J. B. Deamud Co., which celebrates the second anniversary of its incorporation on March 1, had its beginning nearly 10 years ago, Mr. Deamud opening up a wholesale flower business under the title of the Illinois Cut Flower Co. This continued until September 1, when it was changed to simply J. B. Deamud. On March 1, 1906, incorporation papers were taken out, the incorporators being Mr. Deamud, W. P. Kyle, F. L. Emmett and Alex. Newett. The officers are: J. B. Deamud, president; W. P. Kyle, vice-president, and F. L. Emmett, secretary. The business has grown very rapidly from the start and the year just passed is said by members of the firm to have been the most successful in its history. This company, in addition to conducting the wholesale cut flower business, is interested in the Deamud & Young Fern Co., of Thompsonville, Mich. An immense number of cut ferns are handled, a great many being sold through the store here and a great quantity shipped to other wholesale flower houses.

THE DEERING BALL.

The ball given by James Deering to his two nieces last Friday night in the Commercial hotel involved a deal of table work for the Ernst Wienhoeber Floral Co. In the banquet hall there were 41 tables, and the general scheme of decoration was nearly identical on all. The table at which the Deering family sat was the largest, 16 covers being laid. A center-piece bearing an elaborate candelabra with an arrangement of spring flowers, was closely imitated on a somewhat smaller scale on the other 40 tables. Before the ball eight separate dinners were given in connection. The most elaborate was that given by James Deering at his home. Gold was the predominating color, the dinner set and the center-piece bearing six candelabra being of gold. From the center-piece, the bowl of which was filled with prunus, were golden vines, bearing morning-glory-like cups, which were filled with orchids. White lilac was also used extensively.

SPECIAL CLUB MEETING NEXT THURSDAY.

A special meeting of the Florists' Club has been called by President Leonard Kill for the evening of March 5 at 8 p. m. at the Union hotel, Randolph street. An amendment to the by-laws is proposed changing the time of meeting to the first Thursday of each month instead of the second Thursday as at present. Note also the change in the location. Other important business will be brought up.

NOTES.

Carl Netschert is still furnishing metallic and artificial wreaths to the trade at 140 Wabash avenue. He narrowly escaped destruction in the recent fire but suffered no stock damage and is shipping as usual.

L. Baumann is showing plant baskets filled with artificial plants, intended to give the retailer's customer an idea of the make-up of such work without actually carrying all the natural plants in stock.

The Garden City Sand Co., now in the Security building, Fifth avenue and Madison street, is contemplating moving into the Chamber of Commerce building, 134 Washington street, corner of La Salle.

Bassett & Washburn are offering $25 for the best 25 Bride roses and $25 for best 25 Bridesmaid at the rose show, contestants to be limited to growers having less than 50,000 square feet of glass.

A. L. Randall Co. will utilize some of the additional floor space it has leased for storing greenhouse glass, a line just added to the stock this house will sell.

Peter Reinberg's first season with Easter lilies shows a good crop on at the present time with all indications favorable for a good Easter cut.

Wietor Bros. are showing some exceedingly well grown Kate Moulton roses. This is a variety they have made a specialty of and regard highly.

John Zech, of Zech & Mann, is the same merry bowler as of yore, but a sore heel interfered some with a game at Ravenswood Monday night.

Growers have had reason this season to complain of results in forcing tulips, especially in such varieties as La Reine and Mon Tresor.

H. W. Rogers, of Weiland & Risch, was called Friday night to Spring Lake, Mich., on account of the serious illness of his sister.

Geo. Garland, of Des Plaines, says the recent big snowstorm has brought him an increased demand for his iron gutters.

Benj. Gruppe has bought most of the material for a new greenhouse at Park Ridge, 32x200 feet.

Geo. Reinberg is cutting quite a few Cattleya Schroederæ now and reports a good sale.

Vaughan's Seed Store on Saturday received its first carload of gladiolus bulbs.

(Continued on page 234.)

Kennicott Brothers Company,

WHOLESALE

CUT FLOWERS.

48-50 Wabash Ave.,

CHICAGO.

Klehm's Novelty Tulips

50 in the box, $2.00 per box.

We will have anything in the line of

Cut Flowers and Greens

that you may want if anybody has at Chicago market prices on day of shipment.

KENNICOTT BROS. CO.

L. D. PHONE, CENTRAL 466.

48-50 Wabash Ave., CHICAGO.

"THE BUSIEST HOUSE IN CHICAGO."

J. B. DEAMUD CO.

Can furnish you everything seasonable.

Long Distance Phone Central 3155.

51 Wabash Ave., Chicago.

THE FINEST

VALLEY

Western Headquarters for

EARLY FORCING PIPS

$1.50 for 100.
$12.00 for 1000.

Write for quotations on large quantities.

Finest Cut Valley Always on Hand.

H. N. BRUNS,

1409-11 W. Madison St. CHICAGO

Long Distance Phone, Kedzie 1196.

Roses, Violets, Carnations and other **CUT FLOWERS** of best quality

E. H. HUNT

SEND FOR PRICE LIST.

76 Wabash Avenue, CHICAGO.

Florists' Supplies AND Novelties.

Chas. W. McKellar

51 Wabash Ave.
CHICAGO.

ORCHIDS

A Specialty

Fancy Stock in VIOLETS VALLEY, ROSES, BEAUTIES, CARNATIONS and a full line of all Cut-Flowers, Greens, Wire-Work and FLORISTS' SUPPLIES.

Send for Complete Catalogue.

Mention the American Florist when writing

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO

Telephone, Central 3284.

Mention the American Florist when writing

WEILAND AND RISCH

Wholesale Growers and Shippers of

CUT FLOWERS

59 Wabash Ave., CHICAGO.

'Phone Central 879.

Write for our wholesale price list.

WHOLESALE FLORISTS

Wholesale Flower Markets

CHICAGO, Feb. 26.

Roses, Beauty, extra fancy	$	6 00
" " 24 to 30-in. stems.		5 00
" " 12 to 20-in. stems.	1 25@	4 00
" " Short stems	75@	1 00
" Killarney	6 00@	15 00
" Bride, Maid, Ivory, Gate..	6 00@	10 00
" Liberty, Richmond	6 00@	15 00
" Chatenay, Perle	6 00@	12 00
Carnations	1 50@	3 00
Violets	25@	75
Lilium Harrisii, per doz.,	2 00@	2 50
Callas, per doz.,	2 00@	2 50
Cattleyas, per doz.,	6 00	
Lily of the valley	2 00@	4 00
Pansies	1 00@	1 50
Tuberoses	5 00@	6 00
Stevia		2 00
Smilax, per doz.,		2 00
Asp. Plu. & Sprengeri.. bunch,		50
Asparagus strings, each,		75
Adiantum, per 100,	75@	1 00
Leucothoe sprays	75@	1 00
Ferns, per 1000,		2 00
Galax, green, per 1000,		1 00
" bronze, per 1000,		1 50
Boxwood, per bunch,		35
Sheet moss, per bag		3 50

PEKIN, ILL.—Geo. A. Kuhl has leased a store in the Frederick block and will remove thereto from the Arcade building as early as the necessary alterations and remodeling are carried out.

Vaughan & Sperry,

Wholesale Florists,

58 and 60 Wabash Ave., CHICAGO.

WRITE FOR SPECIAL PRICES.

E. C. AMLING

THE LARGEST, BEST EQUIPPED, MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.

32, 34, 36 Randolph Street, CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Mention the American Florist when writing

DAILY SHIPMENTS OF

Cut Flowers

From 40 to 60 Growers.

"Greens" Our Specialty.

E. F. Winterson Co.,

45-47-49 Wabash Avenue. CHICAGO.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

Fancy White Lilac, $1.50 per Bunch
CARNATIONS, VIOLETS, ROSES,
And all other Seasonable Cut Flowers in large supply.
A. L. Randall Co. 19-21 Randolph St., Chicago.
Growers contemplating building or repairing, give us the opportunity to figure with you before placing your order for GREENHOUSE GLASS.

Chicago Notes.

Mrs. Margaret Emmett, mother of Florence L. Emmett, secretary of the J. B. Deamud Co., died February 20. She had been sick for the past four years and for the past five months had been confined to her bed. Funeral services were held February 22 from the Church of the Nativity, where requiem high mass was celebrated. She was a member of the Woman's Catholic Order of Foresters, St. Columbine Court, No. 96. The body was placed in a vault in Mount Olivet cemetery.

At Morgan Park, Herman Selian had trouble last week with the bursting of a boiler; he has been in rather serious straits awaiting a boiler from the east.

J. A. Schmidt, who makes a specialty of floral lodge work is this week removing from Thirty-first street and Michigan avenue to 2417 Wentworth avenue.

Phil. Schupp, of J. A. Budlong's, says many advance orders for Mardi Gras have been booked. This firm has been having a growing southern business.

Bassett & Washburn early this week started to cut their second crop of ice which was 10 inches thick; 200 tons was the estimated cut.

The local delegates who returned from the Springfield convention are asking each other: "Who lost Willy Breitmeyer?"

Mrs. W. L. Kroeschell and daughter are making a trip south for a milder spring time.

The Kennicott Bros. Co. are still handling fine lots of Klehm's novelty tulips.

Visitors: Wm. Desmond and John Budge, of L. S. Donaldson & Co., Minneapolis; Jacob J. Hess, of Hess & Swoboda, Omaha; Wm. Dyke, representing Edward Jansen, New York; W. B. Shotwell, of the Shotwell Floral Co., Fargo, N. D., on trip to St. Louis, Mo., and Hot Springs, Ark.

Cleveland.

TRADE BETTER.

Business picked up somewhat during the past week, owing to several large weddings and George Washington's birthday. Many of the retail windows were decorated suggestive of the day. The greatest call was for red and white flowers, although violets and sweet peas cleaned up nicely. For the first time in several weeks orders could be filled in roses, not because the demand is lighter, for, if anything, it has increased, but because the crops have been off and now they are coming along in good shape. The quality of flowers is up to the standard. Bulbous stock continues to be a drug on the market. Carnations move better, although the prices remain very low. Adiantum is a scarce item. Asparagus Sprengeri and A. plumosus are coming in good condition but are not plentiful. Smilax just about moves along. There is nothing at all going on in the supply line.

NOTES.

Mrs. L. Brown had the decorations for the Strong-McIntoch wedding. A tree effect of Easter lilies with palms and southern smilax were used to decorate the church. The bride carried a muff of white sweet peas and lily of the valley. The effect was very pleasing.

F. W. Zeichman, Quincy avenue, is offering some very good lily of the valley. Mr. Zeichman reports a good trade in funeral work.

Some extra fine hardy fern can be seen at the Florists' Exchange. This firm has also a nice lot of forget-me-nots and single violets.

Smith & Fetters had a unique George Washington window display. This firm reports a good business.

C. Merkel & Son, Mentor, are sending in some splendid white lilac and adiantum. FORESTER.

Cincinnati.

ALL STOCK CHEAP.

Trade the past week was a little quiet with a bountiful supply of stock which accumulated accordingly. Carnations continue to be in oversupply, and the stock has to be exceptionally fine to fetch $3 per 100. The street fakirs were in their glory the past few days, as they could buy all the stock they needed at $1 per 100 and pretty fair stock at that. We have had an abundant supply of violets since St. Valentine's Day, the price having dropped to 50 cents per 100 for the finest grade and some few left over even at these low figures. The least said about bulbous stock the better, as about only one-third received is sold. It is certainly very discouraging to the wholesaler to have his boxes full of this stock and no market for it. At the same time we must not forget the grower who can hardly realize the cost of the bulbs out of his returns. Even the demand for lilies has fallen off and some of these had to be carried over. Roses, on the other hand, seem to clean up fairly well and the same may be said of lily of the valley and green goods.

NOTES.

The writer was the recipient of a package of green carnation coloring from Louis Elsass, the Chillicothe florist. This reminds us of the fact that St. Patrick's Day is only a couple of weeks off. Tromey's flower shop is advertising the dye in cans, and while we do not advocate its use, still the public seems to want green carnations for this day and immense quantities are sold in this city.

Geo. Corbett, of College Hill reports that, despite the hard times talk, he has done a better business this winter than last. He is also well satisfied with the way his violets have behaved this season. His pick for St. Valentine's Day was about 5,000 from two benches, each four feet wide and 100 feet long, the blooms bringing $1 per 100 right through.

Sunderbruch & Meier have purchased from Will Murphy the stock of his new rose and will grow it for outdoor planting. Gus Meier, who has charge of the growing end for this firm, is under the impression that the new rose will prove a good thing to use for cutting from in the good old summer time.

B. P. Critchell, after a four weeks' siege with rheumatism, is able to be about again with the aid of a cane and from appearances must have suffered considerably.

Several of the retailers made special windows for Washington's birthday using flags, hatchets, etc. Julius Baer had a cherry tree with a background of flags which attracted considerable attention.

We take this method of extending our sympathy to Jimmie Allan of the firm of George & Allan in the loss of his father, whose death occurred February 16.

Walter Gray contemplates building three or four houses for roses the coming summer.

Clarence Ohner, right hand man to E. G. Gillett, is confined to his home with tonsilitis.

Visitor: F. J. Farney of the A. L. Randall Co., Chicago. S.

Louisville.

TRADE SATISFACTORY.

Business conditions the past week were very satisfactory, the only shortage being roses. Roses are in fair supply, but the great demand makes them short. The quality is fair. Carnations are of the very best quality. They have a good demand, and the supply has been good. Lily of the valley and violets have been slow sale. There are a good many of the former in the market. Jonquils have been good sale. Narcissi are plentiful and move lively. Roman hyacinths are about gone, and it is very probable there will not be many grown next season. Green goods are still scarce. Pot plants continue to sell well.

NOTES.

The next meeting of The Kentucky Society of Florists will be held March 3 at Fred L. Schulz's store, and a good attendance is looked for, as there will be business of importance.

Henry J. Baumer, brother of August R. Baumer, was married last week.

Visitor: Frank J. Farney, of A. L. Randall Co., Chicago.

J. E. Marret has been sick for some time.

F. L. S.

NILES, MICH.—The market for lettuce has been good here all winter according to David Wolf. The price has been 15 cents per pound. Radishes have made 45 cents per dozen; spinach, 15 cents per pound; onions, 40 cents per dozen, and he is well satisfied with his winter's trade.

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Roses, Carnations and all kinds of Seasonable Flowers in stock.

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Florists' Supplies and Wire Designs.

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Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

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Phone Main 584.

Portland, Ore.

Many thousands of rose trees were planted here on Washington's birthday, a celebration that had been looked forward to by the citizens for a long time and great preparations made for. They are now looking forward to the June celebrations of the Rose Festival Association for which special tourist rates are to be asked of the Northern Pacific and other railway systems. Many prominent citizens are connected with the association and are helping the affair along with characteristic western energy.

At a meeting of the United East Side Push Club recently Geo. L. Hutchin, manager of the Rose Festival Association, gave an address in which he said that successful conferences were being held with the railroad officials and promises of special rates had been secured for long distances. He said that the Japanese had decided to make a reproduction of their "Cherry Blossom" parade, as produced in Tokio, during the rose festival, which would cost $10,000 at least. Twenty-seven committees had been appointed to take up the matter of raising money throughout the northwest for the Japanese. In conclusion, Mr. Hutchin declared the rose show would be the biggest thing of the kind ever held in the Pacific northwest, if not in the United States.

Following his talk Mr. Hutchin answered questions relative to the floral arches that the east side clubs propose to erect along the line of march. He strongly commended the plan and said that such arches could be erected at small cost. He said designs would be furnished free of cost to the clubs. These designs will be submitted at the next meeting of the club, when some definite action will probably be taken.

Wholesale Flower Markets

BUFFALO, Feb. 26.

Roses, American Beauty	7 00@50 00
" Bride, Bridesmaid, Meteor	4 00@10 00
Carnations	1 50@ 4 00
Lily of the valley	2 00@ 4 00
Smilax	15 00
Adiantum	50@ 1 50
Lilies	4 00@15 00
Galax.....per 1000, $1 50	
Ferns .....per 1000, 2 00	
Violets	40@ 75
Mignonette	2 00@ 5 00
Narcissus	2 00@ 3 00
Sweet peas	40@ 1 00
Hyacinths	2 00@ 3 00
Tulips	2 00@ 3 00
Daffodils	2 00@ 3 00
Asparagus Sprengeri ..per bunch,	25 50
Asparagus plumosus ..per bunch,	25@ 50
Freesias	2 00@ 3 00

MILWAUKEE, Feb. 26.

Roses, Beauty	75@ 4 00
" Liberty, Chatenay	3 00@10 00
" Bride, Bridesmaid	3 00@10 00
" Meteor, Golden Gate	3 00@10 00
" Perle	4 00@ 6 00
Carnations	1 50@ 4 00
Smilax.....$1 50 per doz.	
Asparagus, sprays	3 00
" Sprengeri	2 00@ 3 00
Lily of the valley	2 00@ 3 00
Adiantum	1 50
Violets	50@ 1 00
Common ferns.....$2 00 per 1000	
Harrisii..... $2 00 per doz.	
Paper White Narcissus	2 00@ 3 00
Romans	2 00@ 3 00
Tulips	2 00@ 3 00
Daffodils	2 00@ 3 00
Sweet peas	50@ 1 00

ST LOUIS, Feb. 26.

Roses, Beauty, long stems	2 50@ 3 00
" " medium stems	1 50@ 2 00
" " short stems	2 50@ 1 00
" Bride	4 00@10 00
" Bridesmaid	4 00@10 00
" Chatenay, Richmond	4 00@10 00
" Killarney	5 00@10 00
Carnations, common	1 50@ 2 00
" best	2 50@ 3 00
Smilax	12 50@15 00
Asparagus Sprengeri	1 00@ 2 00
" plumosus, strings	25 00@40 00
" cut sprays	1 00@ 2 00
Ferns, fancy.....per 1000, $2 00	
Lily of the valley	3 00@ 4 00
Violets, California	25@ 35
Narcissus	2 00@ 3 00
Callas	10 00@15 00
Sweet peas	40@ 60
Roman hyacinths	1 50@ 2 00

CINCINNATI, Feb. 26.

Roses, Beauty.....$2 00@$ 6 00	
" Bride, Bridesmaid	4 00@ 8 00
" Richmond	4 00@ 8 00
" Golden Gate	4 00@ 8 00
" Ivory	4 00@ 8 00
Carnations	2 00@ 4 00
Lily of the valley	3 00@ 4 00
Violets	50@ 1 00
Daisies	50
Callas	10 00@12 50
Harrisii	15 00
Roman hyacinths	2 00@ 3 00
Narcissus	3 00
Smilax	12 50@15 00
Daffodils	2 00@ 3 00
Tulips	2 00@ 4 00
Asparagus plumosus and Sprengeri in bunches.....per bunch 25c	
Eastern Ferns.....per 1000, $2 00	
Galax, Green and Bronze....$1 00	

NEW ORLEANS, LA.—Some sheds blown down at J. Newsham's in the recent storm, it is said, injured the plant and stock (mostly camellias) to the extent of several hundred dollars.

Buffalo Cut Flower Co.

468 Washington St.,
BUFFALO, N. Y.

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Give us your order. Guarantee satisfaction. We handle only the best

Carnations, Roses, Violets, Valley,

Etc. Also Wire Designs and all kinds of supplies.

600 Asparagus Plumosus

3-inch pots $5.00 per 100.

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CUT FLOWERS received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities.

OREGON CITY, ORE.—The second annual rose show of the Rose and Carnation Society will be held in this city during the latter part of May, or, if the season is late, in the early part of June. It is planned to have an elaborate festival for the exhibition of roses, carnations and wild flowers, and the strawberry fair that was a part of the rose show last year will not be held this year in conjunction with the festival of flowers.

New York.

TRADE SLIGHTLY IMPROVED.

There was a slight improvement in business during the latter part of last week. Washington's birthday falling on Saturday, gave additional vim to the market and, though prices have not improved, it is a satisfaction to see stocks being, to some extent, cleaned up. There are plenty of roses to supply all demands, but they are not arriving in such a deluge as the carnations, which, it may be added, are of splendid quality, so good in fact that it is a pity to see them going at such a sacrifice. The great pressure of bulbous stock has, for the past two weeks, borne heavily on the carnation market; this, with a very heavy cut coming in, and the general dullness of all lines of business have combined to bring carnation prices down to very low figures. There is a prospect of a favorable reaction as the tulips and narcissus begin to thin out. Many of the double violets offered are poor. Lily of the valley, once considered among the exclusive stocks, is now side by side with violets on the trays of the street hawkers. It has not lost caste as yet with the society people on that account.

NOTES.

Hessians, of 984 Madison avenue, in addition to having a very handsome and convenient store, show a splendid stock of all that is required in a high-class retail business. Noteworthy is a fine stock of decorative palms. Having a conservatory connected with their store they are well prepared to handle quantities of pot stock.

Many fine designs were executed for the funeral of Mrs. Natica Rives Burden, a prominent young society woman, whose sudden death has caused much newspaper comment. It is less than a year ago that mention was made in these columns of the elaborate decorations seen at Mrs. Burden's wedding.

The pussy-willow man is one of the interesting characters of the wholesale district; he makes regular trips, carrying a basket of "pussys" on his back, and seems to consider his branch of the business as important as the rest of them.

Christatos & Koster, Madison avenue retailers, have an original window decoration in the form of a Swiss mountain scene. In addition to the plants and mosses, figures of peasants, cattle and sheep are appropriately introduced.

Plants of Nephrolepis Whitmani, now on exhibition in the store of J. H. Small & Sons, are of remarkably large size and great beauty. Whitmani has made good.

Braxton, who opened a retail store at Seventy-fifth street and Madison avenue, at the beginning of the season, has closed.

The Hart retail store at 1000 Madison avenue, is very attractive just now with a fine stock of flowering plants.

Detroit.

TRADE POOR GENERALLY.

Washington's birthday alone saved the past week's trade from being classed as utterly featureless. The absence of many parties and joyous occasions requiring flowers and the meagre line of funeral work called for, together with the visitation of the coldest spell of the season all contributed to the general result—poor business. On Saturday, however, a perceptible impetus was felt, due to the many events in celebration of the day, but not sufficient to make any considerable inroads upon the immense stock of all kinds of cut flowers, the accumulation of a large part of the week's heavy receipts. The glut still continues and no prospects of an early adjustment of the unequal supply and demand is now apparent. The florists' show windows are now all ablaze with the choicest of the season's products; Azaleas and pot plants of bulbous stock in the greatest variety, together with huge vases of cut blooms of the same kinds gives a spring-like appearance to the surroundings and the most powerful incentive to prospective buyers.

NOTES.

The appointment of A. Pochelon as state vice-president of the S. A. F. for eastern Michigan by President F. H. Traendly meets with the hearty approval of all the members here who are familiar with Mr. Pochelon's enthusiasm and energy in any work in the general interest of the trade, and a big delegation from here to the convention at Niagara Falls next August will be assured as a result of his work.

Owing to a terrible blizzard that raged at the time of the club meeting February 19, none of the members put in an appearance at the club rooms.

Visitor: Wm. Dykes, New York.

J. F. S.

St. Louis.

ROSES STILL SCARCE.

The market the past week, owing to the inclement weather, was somewhat crowded, especially as regards carnations and violets. Carnations were sold, in lots, as low as $6 to $7.50 per 1,000 and good stock in small quantities sold at $1.50 to $2. Roses, however, still remain scarce, but it is expected that before long they will come. Lent will start next week, but of late years it has not proved much of a factor in the business, only the first few days showing any material difference.

HORTICULTURAL SOCIETY'S SPRING SHOW.

The regular meeting of the executive committee of the Horticultural Society was held February 8, Henry Young presiding. Various committees were appointed, including one on premium list and arrangements for the spring show, which will be held March 10-12, in the Odean building, Grand and Finney avenues. A programme of lectures and essays is in preparation and Secretary Koenig has been instructed to mail premium list as early as possible.

NOTES.

Riessen Floral Co.'s show windows are a beautiful sight. Violets, jonquils, lily of the valley, carnations and roses are banked up in the center and both side windows. The business of Saturday last was immense.

W. C. Smith & Co. are showing some of the finest galax leaves in town. There seems to be no limit to their supply of violets and sweet peas, which they dispose of at good prices.

Oscar Heile, the old Broadway war horse, is still on deck and doing a steady reliable business. He has made great improvements and alterations in his store.

We regret to announce the serious indisposition of Mrs. Alex. Siegel, who recently underwent a very painful operation. A speedy recovery is hoped for.

F. C. Weber's windows are always bright and pretty, and show great taste as to arrangement and novelty.

Everything was lovely at the home of James Young, February 22, when his son Charles was married.

All the visitors to Springfield, Ill., last week, speak well of the splendid reception given them. W. F.

Montreal.

TRADE STEADY.

Since last writing trade has been very steady. The supply of cut flowers is overplentiful; a large amount of tulips, daffodils, and other bulbous stock gluts the market. The supply of roses is fair and quality good; prices about right. Carnations are plentiful and first class, but fetch low prices only at wholesale. Lily of the valley and violets are also below last year's prices.

NOTES.

Arthur C. Legare is cutting about 1,000 carnations per day. The large houses planted with carnations only, are a fine sight; there is no trace of disease and the plants are loaded with buds. Mr. Legare is proud of a bench of 80,000 cuttings.

P. McKenna & Son will do away with their ridge and furrow houses; same have been buried a good deal under the snow this winter. The houses will be put under one roof making a span of 42 feet wide by 155 feet long.

Bennett's houses, at Lachine, were partly buried in snow for a week. Mr. Bennett is well pleased with the trade he does at wholesale and does not intend to go back at retail for a while yet.

There seems to be a lot of restlessness among the gardeners this year; already a number of changes have taken place and the season is only commencing.

Campbell's are always busy; they keep a good decorated window at all times. One gets impressed with the abundance there is of everything.

The Gardeners' and Florists' Club mourns the loss of one of their oldest members, Edward Derynk, who died last week at Dorval, of cancer of the stomach.

Visitor: Thos. Manton, Eglington, Ont.

LUCK.

London.

Covent Garden market trade is improving with the better weather conditions. Azalea Mollis brings 85 cents each and upwards; Indian are a much better trade, especially for the colored varieties. Golden Spur narcissus in 3½-inch sold at $1.50 per dozen. Dutch hyacinths are a much better line, but tulips are still slow. With the shortage of French flowers, English and Guernsey daffodils and narcissus are selling better. Carnations are improving, as also roses. Supplies are generally shorter and prices much firmer. Herbaceous and perennial roots are coming in freely.

The meeting of the Royal Horticultural Society, February 11, was especially good. Besides the usual orchid display. Hugh Low & Co. showed their Salmon King cyclamen and received an award of merit. H. B. May & Son had a silver flora medal for 75 varieties of ferns. Sutton & Sons and H. Cannell & Sons each had silver gilt Banksian medals for primulas, the latter firm showing their true Giant White. Other Cannell varieties were Moonlight, white with yellow eye, Queen Alexandra and grand red, black, salmon and pink. W. H. Page, Hampton, had a fine exhibit of Lilium lancifolium varieties and American and English carnations, for which a silver gilt floral medal was awarded.

S.

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Oceanic, N. J.

The twelfth annual meeting of the Monmouth County Floricultural Society was held at the Red Men's hall February 14 and the following officers were elected: Joseph Kennedy, president; Malachi Tierny, vice president; H. A. Kettel, secretary; Ernest Palmer, financial secretary; N. Butterbach, treasurer. It was carnation night and we had a general carnation talk. Malachi Tierny reported about the Carnation Societies' exhibits and William Turner gave us a description of Peter Fisher's seedling and his carnations in general. At our next meeting, March 13, a schedule will be prepared for the lectures, during the incoming year. B.

COLUMBUS, O.—J. W. Meek, proprietor of a nursery, was nearly dragged to death in a runaway in North Broadway February 17. Although painfully injured, he is not expected to die. His head was severely cut in several places and his body is a mass of bruises. Mr. Meek was driving a young colt in a breaking cart when the accident occurred. The horse became frightened and ran up a bank, upsetting the sulky. The driver became entangled in the frame work of the cart and before he could extricate himself, the horse had started on a wild gallop.

Charles Millang. August Millang.
MILLANG BROS.
Wholesale Commission Florists,
41 West 28th Street, Telephones 3860-3861 Madison, New York.

Wholesale Flower Markets

NEW YORK, Feb. 26.

Roses, Beauty, special	40 00@50 00
" " fancy	30 00@35 00
" " extra	20 00@25 00
" " No. 1	8 00@15 00
" " Nos. 2 and 3	1 00@ 6 00
" Richmond	2 00@20 00
" Bride, Bridesmaid, G. Gate Special	8 00
No. 1	3 00@ 5 00
No. 2	1 00@ 2 00
Carnations, fancy	2 00
" common	50@ 1 00
Lilies	5 00@ 8 00
Lily of the valley	1 00@ 1 50
Asparagus plumosus strings	30 00@50 00
" per doz. bunches	2 00@ 3 00
Smilax	8 00@10 00
Cattleyas	35 00@50 00
Cypripediums	4 00@ 5 00
Violets	20@ 50
Gardenias	5 00@20 00
Callas, per dozen	1 00@ 1 50
Paper White Narcissus	50@ 1 00
Roman hyacinths	50@ 75
Mignonette, per doz.	50@ 75
Jouquils	50@ 1 50
Sweet peas	50@ 1 00
Tulips	75@ 1 00
Freesias	40@ 50
Lilac	40@50 per bunch
Snapdragon	3 00@ 4 00

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THE CHOICEST NOVELTY ON THE MARKET.
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Philadelphia.

CARNATIONS OVER-PLENTIFUL.

The carnation market was badly overstocked last week. For every flower sold it seemed as if two were received, until the storage rooms were so full there was scarce space to move about. Prices in large lots were ruined. First-class Enchantress was offered as low as $2 per 100; in fact this variety appears to be the most plentiful of all. Winsor is becoming a great favorite and will be generally grown in this neighborhood for next season. It seems to keep much better than Enchantress. Roses are in good supply, with white, which was scarce two weeks ago, the most plentiful. American Beauty roses are not over-plentiful, $6 per dozen being high for the specials. Violets move fairly well, but at reduced prices, 75 cents being high for the fancy doubles. Bulbous stock is still very plentiful. Some of the daffodils are very hard to move, the street men even refusing Princeps at $5 per 1,000. Tulips seem to hold at $2 per 100. Freesias are in good demand at $1.50 to $2. Orchids are scarce. Cattleyas are quoted at 50 to 60 cents. Harrisii lilies are in full supply in all the houses, as are also callas, both being sold at 10 to 12½ cents. Sweet peas are good stock and sell as well as anything, 50 cents to $1 being the price.

The feature of the Harris establishment at this time is the immense block of shamrock. Something like 50,000 pots of this bit of Irish sentiment is to be seen here in various sized pots and pans, some of them shaped in imitation of the leaf. Large blocks of this stock are grown to order for the department stores, who give the plants away to their customers during the week of March 19. There is considerable demand from the cut flower stores as well, and Mr. Harris says he finds an increasing demand with each season.

J. Otto Thilow will tell of "New Things in An Old Country," at the March meeting of the Florists' Club on Tuesday next. This should secure a large attendance as Mr. Thilow, being a close observer, always has something good and is ready at all times to impart his information to his fellow members of the craft.

Wm. Swayne of Kennett Square is trying some of the latest English carnations, importations of his own. One amongst them is a fine scarlet, called Britannia, which promises to be a very large, well formed flower of brilliant color, apparently quite equal to any of the new American seedlings.

The Leo Niessen Co. is finding a ready sale for Acacia pubescens. It has never flowered better than this season, the fragrant, graceful sprays being full of flowers and well clothed with foliage.

Wm. McKissick has just returned from a visit up the state, where he found the growers in a fairly good state of mind. He is receiving some very choice sweet peas.

The Philadelphia Cut Flower Co. has connected its establishment with Pennock Bros., with a private 'phone. This looks like keeping close up.

John McIntyre has been on the sick list the past week, but we are glad to say he is about again and hustling as usual.

Robt. Craig is to deliver an address before the Massachusetts Horticultural Society February 29. K.

Boston.

STOCK OVERPLENTIFUL.

On Monday morning the market opened up dismally, offering absolutely nothing to the overburdened salesmen who could do nothing but hang around with an air of distraction. Until the latter end of the week no progress was made, but the holiday—Washington's birthday—brought out a brush of liveliness and a large amount of stock was conveniently disposed of. The national colors were in great demand and anything applicable was the popular choice. Funeral work, upon which is placed the greatest reliance during these frequent periods of depression, has fallen off tremendously and for those houses who depend wholly on this line, there has been absolutely nothing doing. A few prominent social events produced a little business of the best grade. The market is trudging along under the heavy weight of a great surplus and much stock is going to waste. Carnations are offered at unheard of prices for this time of year. American Beauty roses are gradually becoming more plentiful with only a light call. The price is still too high to attract habitual buyers and others hastily pass to the less expensive varieties. Killarney has weakened and, as displayed during the week, is devoid of its particular beauty. Richmond is slowly improving and large shipments are being received from specialty growers. Bulb stock is the market leader at the present, the better varieties selling well and at the usual figures. An excellent display of flowering plants is seen in every store, but as with the cut flowers the demand is absent. Mahonia is in evidence in all the leading stores and pans of freesia and ixia are especially popular.

NOTES.

A new flower store known as The Kensington Flower Shop was formally opened February 24 at 689 Boylston street, by H. M. Collins and Miss A. B. Roberts. For the past two months they have conducted their place of business at the Copley Square hotel.

Sidney Hoffman was the contracting decorator for a number of social affairs through the week, the principal event being the second assembly, an exclusive ball at the Hotel Somerset, which was lavishly decorated for the occasion.

Walter Holden, the popular representative of L. E. Small in the Music Hall Market, re-appeared February 22, he having been down since Thanksgiving with an attack of typhoid fever.

Great interest is shown in the exhibition to be held February 29 in the Park Street Market and a large and enthusiastic competing list is recorded for the numerous valuable prizes offered.

Wm. Gilson for the past 15 years connected with the firm of T. J. Butterworth of Framingham has severed his connection with this house and at present is unattached.

Thomas F. Galvin, who has passed the last two months abroad, has returned to business after greatly enjoying his trip on the continent.

B.

Providence.

At the recent Monday evening meeting of the Florists' Club A. Macrea read a paper on "The History of the Greenhouse Business," going back to the first commercial enterprise in our state some 45 or 50 years ago, naming such men as Craddock, O'Connor, Wright, Johnston, McNaughton, Nichols, Noonan and Sweeney. The various starting points were named, the probable glass area, plants grown, style of work, etc. While not occupying over 15 minutes actual reading, Mr. Macrea's paper covered the ground, evoking a general discussion headed by W. E. Chappell who in turn read an original article, along with exhibits, on "Old-time Florists and Their Methods of Floral Arrangement." He had with him samples of old-fashioned bouquets, baskets and wire emblems, which were eagerly inspected by those present.

The next meeting has been assigned to a paper and general discussion on "Retail Flower Store Management."

M. M.

CARNATIONS.

Very low prices on large lots.

BULB STOCK.

The finest in this line at right prices.

PITTSBURG FLORISTS' EXCHANGE, Pittsburg, Pa.

AMERICAN BEAUTIES

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

Asparagus Plumosus Nanus Plants

From 2¼-inch pots.
$3.50 per 100, $30.00 per 1000.

W. H. ELLIOTT, Brighton, Mass.

Pittsburg Cut Flower Co.

(Limited)

WHOLESALE FLORISTS

222 Oliver Ave. PITTSBURG, PA.

CARNATIONS in quantity. Special prices on large orders.

ABSOLUTELY THE BEST POSSIBLE SERVICE.

W. E. McKissick

WHOLESALE FLORIST,

Business Hours 7 a.m. to 8 p.m. 1619-1621 Ranstead St., PHILADELPHIA, PA.

J. B. Murdoch & Co.

714 Penn Avenue,
PITTSBURG, PA.

All Seasonable Flowers.

Pittsburg.

PRICES STILL LOW.

The past week was somewhat more satisfactory than the previous one as stock cleaned up better, although prices are still very low. Better quality in everything, excepting lilies, could not be desired. A little famine in greens was experienced, but not noticed very much. Society still remains inactive as to extensive decorations, which is felt by the better stores.

NOTES.

E. C. Ludwig is sending some souvenir postals to his friends in the trade picturing people picking lemons, but he did not state whether he was in the group or not.

H. L. Blind & Bros. will remove their south side store, instead of their Fifth street store, as previously reported, to their new east end location.

Wm. P. Kroeck had a very bad experience with Paper White narcissus poisoning, his hands being entirely bandaged at present.

H. C. Beuchler, Sewickley; Elmer Jolliff, of the Florists' Exchange, and Ernest Zieger have been on the sick list.

Mrs. Fromme-Richter, mother of Mrs. Ernest Fisher, died February 23 from cancer of the breast.

J.

Mobile, Ala.

EVERYBODY BUSY.

Capt. Davis of the Chatogue Greenhouses, is a very busy man these days with his retail department, which has now been in operation for some time, and the captain claims it is growing so fast that he is having difficulty in producing material to fill his orders. He is shipping some fair rose stock to New Orleans, but owing to various mishaps it is not quite so good as this establishment usually turns out. More stock is needed and 25,000 feet of glass will be added to accommodate the customers of the establishment. This will be devoted mainly to roses and carnations. There is an excellent collection of adiantums on this place, perhaps the best private collection in this country, and A. Charlotte has been found the best for cutting and general decorative work. There is also a fine collection of begonias. The lilies are looking well and should afford a regular supply of good blooms and plants until Easter. The captain has devised an excellent local advertising scheme in arranging the telephone names of the local telephone directory numerically and printing the list for distribution among telephone users of the city, with the firm's advertisements illustrated with halftone engravings on front and back covers and printed hints and suggestions about flowers on several inside pages.

Miss Maria Minge is busy with plans for the elaborate new greenhouse establishment of the Minge Floral Co., recently incorporated. W. M. Bailey, who will have charge of the greenhouse end of the business, was formerly superintendent at the Chatogue Greenhouses, and Miss Minge now looks forward to supplying her many customers with home grown stock of the highest grade before another year passes over. The stock grown will consist principally of roses, asparagus, smilax, bulbous material, etc. Miss Minge will continue to give personal attention to work at the city store, for which a better location will be secured. It will be recalled that Miss Minge established the first greenhouses in this city and conducted them herself for many years, building up her present thriving trade. Her many friends throughout the country will wish her every success in the latest addition to her business.

C. Ravier & Sons report that business has been quite good since January 1 and the demand is increasing to such an extent that they will add a new carnation house this season.

T. Loding, brother of H. P. Loding, has purchased the original greenhouses of Miss Maria Minge and will operate them about four miles out.

Mrs. John Goodbrad has had brisk demand for funeral work.

Wholesale Flower Markets

PHILADELPHIA, Feb. 26.	
Roses, Tea	6 00@ 8 00
" " extra	12 00@15 00
" Liberty	10 00@25 00
" Queen of Edgely, extra	50 00@75 00
" " " first	25 00@40 00
" Beauty, extra	50 00@75 00
" first	25 00@40 00
Carnations	2 50@ 6 00
Lily of the valley	3 00@ 5 00
Asparagus, bunch	50 00
Smilax	15 00@20 00
Adiantum	1 00@ 1 50
Violets, single	50@ 75
" double	1 00@ 1 50
Cattleyas	50 00@60 00
Cypripediums	5 00
Lilium Harrisii	12 00@15 00
Mignonette	3 00@ 6 00
Sweet peas	75@ 1 00
Freesias	2 00@ 4 00
Gardenias	35@ 50
PITTSBURG, Feb. 26.	
Roses, Beauty, specials	50 00@60 00
" " extras	35 00@40 00
" " No. 1	15 00@20 00
" " ordinary	6 00@10 00
" Bride, Bridesmaid	6 00@12 00
" Chatenay	6 00@12 00
" Richmond	6 00@12 00
" Perle	6 00@ 8 00
" Killarney	6 00@15 00
Carnations	75@ 3 00
Lily of the valley	3 00@ 4 00
Smilax	10 00@12 50
Asparagus, strings	50 00
" Sprengeri	3 00@ 4 00
Lilies	12 50@15 00
Adiantum	1 00@ 1 25
Violets	50@ 75
Cattleyas	60 00@75 00
Paper White Narcissus	2 00@ 3 00
Roman hyacinths	2 00@ 3 00
Sweet peas	50@ 1 00
Daffodils	2 00@ 3 00
BOSTON, Feb. 26.	
Roses, Beauty, best	35 00@50 00
" " medium	20 00@25 00
" " culls	6 00@12 00
" Bride, Bridesmaid	1 00@ 2 00
" Extra	4 00@ 8 00
" Liberty	8 00@12 00
Carnations	1 00@ 3 00
" Fancy	3 00@ 5 00
Smilax	8 00@12 00
Adiantum	75@ 1 25
Asparagus	35 00@ 0 00
Harrissi	10 00@12 00
Callas	8 00@12 00
Stevia	1 00@ 1 50
Daffodils	2 00@ 4 00
Narcissus	1 00@ 3 00
Sweet peas	50@ 1 00

The best Yellow Daisies, Mignonette, and Callas arriving in Phila. Single Violets, Daffodils, Poeticus and Peas in quantity

JOHN W. McINTYRE,

1601 Ranstead St., PHILADELPHIA.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices

Baltimore.

TRADE STILL DULL.

There has been some improvement the past week, both in the weather and in trade conditions, but dullness is the rule. There have occurred some few weddings and funerals when the display of flowers was imposing, but the resumption of normal distribution seems delayed. This is the season for banquets and some have taken place where the decorating involved the use of large quantities of cut flowers.

NOTES.

Two daughters of John Cook, who are in his store on North Charles street, have had trouble by infection from the thorns which penetrated their fingers and gave great fear for a while of serious consequences in the way of blood poisoning. Miss Anna Cook was confined for several weeks to her bed and had to submit to a surgical operation to head off the attack. In her case it was thought some dye on inmortelle flowers, or some similar material, contributed to increase the trouble. Miss Ida's case was not so alarming, but disabled her from her customary occupation for several days. As a consequence of these occurrences, the young ladies at stores are taking to wearing rubber gloves at their work.

As indicated, General Ferdinand C. Latrobe was made president of the park commission, and George W. Williams was appointed a member of the board to fill the vacancy caused by his promotion. It is understood that the policy of the commission will not be changed and that the extension of the park system of the city will be vigorously pushed, and that in addition to the large pleasure grounds and boulevards, which will connect the various sections, several smaller parks and playgrounds for children will be provided.

The Fernery, a florist establishment on North Charles street, near the Union station, has gone into the hands of receivers. The concern was incorporated. The receivers gave bond for $3,000, indicating assets of half that amount. It is understood there are a number of out-of-town creditors. The receivers are Geo. M. Diedman and Joshua Horner, Jr., and were appointed by Judge Garter on petition of the Sanders & Johnston Co., which is a creditor to the extent of $36.75.

Frederick C. Bauer continues his experiments with seedling lilies, and has nearly 3,000 young plants coming on of various ages and sizes, all of them entirely healthy as to foliage, differing from the experience which has been so general and aggravating with L. Harrisii generally.

S. B.

NEW YORK.—The Rapp Horticultural Co. has been incorporated with capital stock of $10,000. Ray I. Rapp and Wm. J. McCormick of this city and Wm. C. Lange, College Point, are directors.

The Geo. Wittbold Co.
1657-1659 Buckingham Place, CHICAGO.
The only retail florist in Chicago who grows his own cut flowers.
Funeral Work Orders Our Specialty

Detroit, Mich.
John Breitmeyer's Sons
Cor. Miami and Gratiot Aves.
Artistic Designs.
High Grade Cut Blooms.
We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Omaha, Neb.
Hess & Swoboda,
FLORISTS,
1415 Farnum St. TELEPHONES 1501 and L 1582

Kansas City, Mo.
Samuel Murray
...FLORIST...
1017 Broadway Coates House Conservatory
Both Phones 2670 Main.
Write, Telephone or Telegraph. All orders given prompt attention.

Los Angeles, Cal.
J. W. Wolfskill,
FLORIST,
Telegraph Orders a Specialty. 218 W. 4th St.

Boston, Mass.
HOUGHTON & CLARK,
FLORISTS
Telephone Connection. 396 Boylston St.

Seattle, Wash.
Woodland Seed & Floral Co.,
808 Second Avenue,
Will fill all orders for Cut Flowers, etc. for steamers for Japan and Alaska or any part of the Pacific coast. A. L. AABLING, Gen. Mgr.

Louisville, Ky.
JACOB SCHULZ,
644 FOURTH AVENUE.
Cut Flowers of BEST QUALITY in season, delivered promptly to any address.
Write, Telegraph or Telephone
Cumberland and Home Phones 223 and 984

Nashville, Tenn.
Joy Floral Co.,
610 CHURCH STREET.

Atlanta, Ga.
ATLANTA FLORAL CO.
41 PEACHTREE STREET.

Brooklyn, N. Y.
Robert G. Wilson
Fulton St. and Greene Ave.
Greenhouses: Short Hills, N. J.
— Deliveries in —
Greater New York, Long Island and New Jersey.
Trade orders from all parts of the country filled for delivery at residence, steamer, hotel, or theater on wholesale basis. Satisfaction guaranteed. Wire or telephone.

New York.
WILLIAM H. DONOHOE
No. 17 E. 28th Street,
Between 5th and Madison Aves.
Long Distance Phones, 3034-3035 Madison Square.
Write, wire or telephone your orders.
Personal attention assured. Prices always right.

Galveston, Tex.
Mrs. M. A. Hansen
—FLORIST—
Special attention to Telegraph or Telephone orders. 'Phone 1912.

St. Paul, Minn.
HOLM & OLSON,
ST. PAUL.
THE LEADING FLORISTS OF THE NORTHWEST
Orders will be well cared for anywhere in MINNESOTA AND THE DAKOTAS.

Rochester, N. Y.
J. B. KELLER SONS,
FLORISTS,
25 Clinton Avenue, N.
Rochester Phone 506. Long Dis. Bell Phone 2189.

Washington, D. C.
Blackistone
14th and H Streets.

New Orleans
CUT FLOWERS
For Tourists and General Trade.
Wire or mail. Highest Grade Stock Only.
URIAH J. VIRGIN, 838 CANAL ST.

Denver, Colo.
FLORAL DESIGNS AND FLOWERS
Best Quality on Shortest Notice
DANIELS & FISHER
Order by mail, telephone, telegraph or cable. Cable address: "Daniels, Denver."

San Francisco.

BUSINESS IMPROVING.

Business conditions in this city have been very quiet of late, and it has only been in the last two weeks that things have brightened up a little. Owing to a scarcity of flowers, especially roses, which are fetching high prices, everything the growers bring in is readily bought up at fair prices. After a wet and cold January, we have had two weeks of bright and warm days which is bringing into bloom a lot of bulbous stock, especially daffodils, narcissi, tulips, freesias and hyacinths. Violets in immense quantities are being disposed of every day, as they are very cheap. Fruit blossoms are to be seen in all the stores, but they are used up quickly for wedding decorations of which there have been quite a few of late.

NOTES.

The last meeting of the Pacific Coast Horticultural Society was not very well attended, owing to a heavy rainstorm, which lasted for two days without ceasing. The exhibition committee reported progress; they also reported a difficulty in procuring a suitable place in which to hold the exhibition, the nave of the Ferry building not being available this year on account of the arrival of the fleet of warships, which will be about the time the exhibition is to be held.

At the last meeting of the State Floral Society, February 14, one of the members had prepared a wild flower exhibit, which was very interesting; this lady had gathered 53 different varieties all in the neighborhood of the city. I think it would be hard for any part of the United States to make a better showing at this season.

We have had some of the drummers from the eastern plant and seedhouses in town. They are all reporting a great many orders in the city and vicinity. J. Karins was soliciting orders for H. A. Dreer, Philadelphia, Pa.; W. J. Schuch for C. C. Pollworth Co., Milwaukee, Wis.

H. Domoto of Domoto Bros., has taken unto himself a wife. He has built a fine residence on his new place in Elmhurst which he will occupy after he returns from the wedding trip.

H. Maier, superintendent for W. Tevis, has opened an office and salesyard near Burlingame station, where they are selling all kinds of nursery stock.

H. Plath has bought another piece of land adjoining his already extensive place on which he is erecting a new fern house, 26x235 feet.

J. W. Bagge resigned as superintendent at the De Sable place, San Mateo. He is now on Mrs. Franks' estate in Burlingame.

Mr. Ludemann, of the Pacific Nurseries, reports business quiet, especially so in ornamental stock.

Ferrari Bros. are bringing in some very good Harrisii lilies, of which they have quite a quantity.

H. Guttersloh at Millbrae is reporting business very good.

P.

HUTCHINSON, KANS.—The Hutchinson Floral Co. has moved its down-town office to the greenhouse office, corner B and Poplar.

MONROVIA, CAL.—John L. Graver, late of Fargo, N. D., has purchased a 10-acre ranch near here and will devote part of it to floriculture.

DENVER, COL.—The Alpha Floral Co. has been incorporated with capital stock $5,000, consisting of E. S. Kennedy, L. O. Brown and W. S. McClain.

ASPARAGUS, BOSTONS, AZALEAS,

Plumosus Nanus, 2½-in., $3.50 per 100, $30.00 per 1000; 3-in., 6c; 3½-in., 10c; 4-in., 12c; 5-in., 20c; 6-in., 30c. Comorensis, 2-in., 2c; 2½-in., 3c; 3½-in., 6c. Sprengeri 2½-in., 3c; 3½-in., 8c; 4-in., 10c. **Bostons**, 2½-in., 4c; 3-in., 8c; 4-in., 15c; 5-in., 25c; 6-in., 40c; 7-in., 65c; 8-in., $1.00 to $1.50; 10-in., $1.50 to $2.00.

Azaleas. We are now booking orders for Xmas delivery. Write for prices. Our stock is the best in the west and well budded too.

Long Distance Bell Phone, Lackland. Long Distance Kinloch Phone, Creve Cœur.

Terms Cash. **J. W. DUNFORD**, St. Louis County, Clayton, Mo.

Cut Flowers or Designs

Will be delivered for the Trade on Wire or Mail. Orders in Best Qualities and Prices.

St. Louis, Mo.

Fred C. Weber,

FLORIST,

Established 1873. Bell, Lindell 676. 4320-4328 Olive St.

San Francisco, Calif.

J. B. Boland Co.

Successors to Sievers & Boland.

FLORISTS,

47-49 Geary Street.

Cleveland, O.

The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in NORTHERN OHIO.

New York.

MYER, FLORIST,

609-611 MADISON AVE.

Phone 5287 Plaza.

WASHINGTON D. C.

Gude's.

St. Louis, Mo.

WRITE, WIRE OR PHONE YOUR ORDERS TO

YOUNGS,

1406 Olive Street.

Regular discount allowed on all orders, either Plants or Cut Flowers.

Phones Bell, Main 2306. Kinloch, Central 4981.

Dayton, O.

Matthews,

—FLORIST—

16 W. 3rd Street.

Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones

Chicago.

HAUSWIRTH FLORIST

M. C. and J. E. Hauswirth.

Auditorium Annex.

Mail, telegraph or telephone orders filled promptly in best style.

Kansas City, Mo.

WILLIAM L. ROCK Flower Co.,

Will carefully execute orders for Kansas City and any town in

Missouri, Kansas or Oklahoma.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in WISCONSIN.

Indianapolis, Ind.

Bertermann Bros. Co.

FLORISTS

.....241 Massachusetts Ave.

Albany, N. Y.

EYRES

Flowers or Design Work.

DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER

11 NORTH PEARL STREET,

Denver, Colo.

The Park ...Floral Co.

J. A. VALENTINE, President.

Muskogee, Okla.

The Muskogee Carnation Co.

Wholesale and Retail in Cut Flowers.

We grow all our own Cut Flowers. Funeral work orders our specialty. Wire or mail order. Prompt attention.

Kansas City, Mo.

GEO. M. KELLOGG,

906 Grand Avenue,

KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

Buffalo, N. Y.

Palmer's

W. J. Palmer & Son, 304 Main St.

The Seed Trade.

American Seed Trade Association.
Geo. S. Green, Chicago, Pres.; M. H. Duryea, New York, First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-sixth annual convention, June 23 to 25, at Hotel Ponchartrain, Detroit, Mich.

TOULON, FRANCE, February 8.—The growth of hyacinth bulbs is normal.

MAIL ORDERS are coming slowly this week, probably checked by the blizzard.

FIELD SEED CORN of high vitality is believed to be scarce all through the west.

CHICAGO.—A. H. Goodwin, of the W. W. Barnard Co., returned last week from the south.

FIFTEEN HUNDRED carloads of canteloupes is the crop estimate of the Imperial Valley, California.

RACINE, WIS.—The firm Olley & Osborne has succeeded David Lawton, a seedsman of long standing here.

G. B. MCVAY, of the Amzi Godden Seed Co., Birmingham, Ala., will spend his vacation this year in California.

HAMILTON, BERMUDA, February 18.—Lilium Harrisii plants are growing well in our fields this season up to this writing.—S. B.

ONION SET prices at Chicago for immediate delivery are about as follows: Yellow, $2.35; red, $2.50; white, $2.75@ $3.00 for 32 pounds.

SOUTHERN seedsmen selling cotton seed will be interested in Department of Agriculture Bulletin 314 on "Breeding Cotton," profusely illustrated.

THE Willamette valley in Oregon has grown a few thousand pounds of first-class onion seed every year, but it is not a location for growing seed cheaply.

JACKSON, MICH.—E. J. Sheap, of S. M. Isbell & Co., is visiting the trade in the east and southeast and has been quite successful in booking large contracts.

WASHINGTON, D. C.—Cole & Westwood, government seed contractors, are employing about 180 persons. Health Inspector Allen says 100 women working in an apartment 34x100 feet is too many.

SPEAKING of buying garden seed beans at the present low prices to carry over for next season's use an expert bean handler says, the quality and color of the 1907 bean crop is not such as to recommend it for carrying over.

ARRANGEMENTS have been made by which the Bureau of Plant Industry cooperates with the Nebraska Agricultural Experiment Station and will establish a seed testing laboratory at this place to expedite the testing of seed samples submitted by farmers and seedsmen in Nebraska and adjoining states, where the time required for mailing to Washington and return frequently causes serious delay.

Braslan Seed Growers' Co.
Growers for the Wholesale Trade Only.
SAN JOSE, CAL.

LOUISVILLE, KY.—Seedsmen here have taken up the pure seed law matter and have made recommendations to the legislature regarding same. They have also arranged for a conference with the director of the state agricultural experiment station. It is not thought now that the present bill will become a law.

PALM SEED PRICES IN LONDON.—According to the Horticultural Trades Journal, Cocos Weddelliana seeds were worth $3.50 per 1,000 at the end of January. Kentia Belmoreana started at $3 per 1,000, but this price was not maintained, some cases of 6,000 seeds going for $9. Two cases of K. Forsteriana only were offered and these were knocked down at $9 each.

DALLAS, TEX.—The Texas Seed & Floral Co. writes February 18: "Since our catalogue was issued December 20, mail orders have come along in a steady stream, both retail and wholesale. Few people north realize the amount of truck that is grown in this state. Orders come to us in lots of several hundred pounds. Potatoes are grown largely, while more sorghum and cane are planted than in any other state in the Union."

GILROY, CAL.—Waldo Rohnert has recently purchased a 200-acre tract of land at San Phillipe, about 12 miles east of this place. It is an excellent soil and a very choice location for seed growing. Mr. Rohnert has this all planted to seed crops and also about 200 acres in other places, making a total of 400 acres. He has about 90 acres set to onions for seed and the rest of the area devoted to sweet peas, lettuce, radish, onion bulbs for seed crops of 1909, and also some flower seeds which will be planted later.

SOME members of the seed trade think it a good deal of a hardship for the Department of Agriculture to print unfavorable reports on samples of grass seed where bought without knowledge of the seller and possibly in a rush season when some error might be made by an inexperienced clerk in putting up the package and then giving the seedsman no opportunity for explanation before advertising him broadcast over the country as a fraud. It is believed errors have been made in this way with no intent on the part of the seedsman to injure buyers.

Adulteration and Misbranding of Seeds.

Circular No. 26 from the secretary of the Department of Agriculture under date of February 15, is one which will attract considerable attention from seedsmen. Four seed dealers are mentioned as having supplied undesirable alfalfa, nine with meadow fescue open to criticism, six carrying a quality of Bromus inermis subject to criticism, while no less than 64 dealers in Kentucky blue grass are subject to remarks from B. T. Galloway, chief of the Bureau of Plant Industry.

Pure Seeds.

One of the ways for Nebraska farmers to retrieve such ravages as they may suffer from frost, panic and the beef trust is to make the new seed laboratory which has been established at the state experiment station one of the busiest places outside a bee hive. The day has passed when many farmers plant the potatoes that were too small to cook, and the seed corn is not shoveled out of the bottom of the crib with a scoop shovel as much as formerly. There are planted every year, however, some thousands of acres of alfalfa and clover and tame grass pastures with seed grown under unknown conditions. A government investigation of clover seeds made a couple of years ago discovered yellow trefoil present as an adulterant in every case. For a time Nebraskans who sowed alfalfa were amazed to find almost as many yellow as purple blooms in their fields, the consequence of adulteration. But worse things happen, such as the introduction of dodder, an impurity in seed that may lead to the destruction of one's own crop and his neighbor's. Agricultural scientists tell us that planting impure or imperfect seed is equivalent to building a house on a foundation of sand. The seed testing laboratory renders it unnecessary for any farmer to be cheated in his seed. It protects the honest seed dealer also.—Lincoln (Neb.) Journal.

[These are the views which stimulate the present legislative enactments oppressing the seed trade.—ED.]

Seed Re-Appraisements.

From Sluis & Groot, Enkhuizen, exported December 31, 1907; entered at New York. File No. 47860. Inv. No. 12849.

Findings of Sharretts, G. A. Radish Early Round Scarlet, entered at 49.9; advanced to 60 per cwt. Ditto Scarlet Gem White Tipped, entered at 50; advanced to 60 per cwt. Add bags and transportation.

From Vilmorin Andrieux & Co., Paris, exported November 12, 1907; entered at Chicago. File No. 47851. Entry 20493.

Findings of McClelland, G. A. Beet Crosby's Egyptian, entered at 47.50, advanced to 50 fcs. per cwt. Beet Detroit, entered at 47.50, advanced to 54 fcs. per cwt. Radish turnip Early Scarlet White Tipped, entered at 67.50, advanced to 75 fcs. per cwt. Onion White Globe, entered at 212.50 fcs. per cwt.; no advance. On White Portugal, entered at 212.50, advanced to 250 fcs. per cwt. Add packing.

From Cooper, Taber & Co., London, exported October 30, 1907, entered at Chicago. File No. 47604; entry 19658.

Findings of McClelland, G. A. Beet Bastians, entered at 33, advanced to 36 per cwt. Cabbage Charleston Wakefield, entered at 84, advanced to 95 per cwt. Cabbage, Henderson's Summer, entered at 75, advanced to 80 per cwt. Carrot, Chatenay, entered at 80, advanced to 100 per cwt. Turnip, Purple Top Strap Leaf, entered at 32, advanced to 35 per cwt. Swede American Purple Top, entered at 34, advanced to 40 per cwt. And similar goods. Add bags, etc.

Imports.

During the week ending February 22, imports were received at New York as follows:
McHutchison & Co., 186 pkgs. plants, 92 cases trees and plants.
Rolker & Son, 29 cases plants.
P. Ouwerkerk, 21 cases trees.
Frank H. Darrow, seven cases trees.
P. Henderson & Co., 93 pkgs., one case seed.
Vaughan's Seed Store, five pkgs., one case seed.
J. M. Thorburn & Co., five pkgs., three bbls. seed.
Stumpp & Walter Co., 13 cases flower roots.
H. Nungesser & Co., 129 bags grass seed.
Rickards Bros., 21 bags grass seed.
W. E. Marshall & Co., 16 bags grass seed.
To others: 130 pkgs. plants, 67 cases plants, 18 pkgs. trees, 19 cases flower roots, six boxes bulbs, 2,230 bags seed, 365 pkgs. seed, five bbls. seed, 650 bags sunflower seed, 1,330 bags clover seed, 160 cases clover seed.

Seed Grain Needs.

Consul-General John G. Foster, of Ottawa, Ont., advises that the finance minister of the Dominion government has presented a supplementary estimate to the Canadian Parliament for the purpose of assisting western settlers of Canada whose crops failed last year to purchase seed grain during the coming season. The estimate includes three items, as follows:

To provide $585,000 to purchase seed grain for homestead settlers in Alberta and Saskatchewan, the cost of said seed grain to be repaid by the settlers with interest at the rate of five per cent per annum, and until repayment to be a lien or charge upon the lands of the settlers held under homestead entry.

To provide $440,000 to enable the government of Canada to advance to the government of Alberta, by way of loan, a sum for the purchase of seed grain for settlers.

To provide $1,825,000 to enable the government of Canada to advance to the government of Saskatchewan, by way of loan, a sum for the purchase of seed grain for settlers.

This gives a total appropriation of $2,850,000. It is understood that the seed wheat will be purchased in western Canada, but that part of the oats and barley will have to be secured outside of the dominion.

MARKET GARDENS.

UTTER'S CANTALOUPE has proven to be a good variety for forcing under glass. It is a little smaller than the Osage and nearly round.

GRAND RAPIDS, MICH.—F. M. Strong, E. E. Taylor, Frank Cook and S. J. Perry have consolidated their greenhouse interests under a corporate title of the Grand Rapids Greenhouse Co. Individually they control quite an expanse of greenhouses south of the city in which they have been generous producers of lettuce and other vegetables. The merger is for the purpose of reducing the cost and that the industry may be carried on to better advantage, especially as to the handling of the output. It is intended the work shall be carried on upon a more extensive scale and the programme calls for additional greenhouses. To provide for these $165,000 of preferred stock bearing 8 per cent cumulative dividends is being marketed.

More About Hotbeds.

Sometimes the question comes up whether to construct hotbeds entirely above ground, or to partly sink them. That is, excavate for the manure. This question is answered by force of circumstances. Where there is any danger at all that surface water may collect in an excavation, they belong entirely above ground. Water will very quickly destroy all heat and render the beds cold. On the other hand, where manure is scarce, and drainage ample, they can be sunk to advantage, as it saves much manure. The above-ground plan has other advantages. If no preparations have been made in the fall, it is the easiest plan to follow, and, although it requires more manure, if the whole plat is built close together, allowing only for narrow paths between the beds that is, eventually all the beds are on one big bed of manure. A more even heat is obtained, as the walks are also heated.

When the season is over, the frames, which were simply set on top of manure, are either carried away and stored, or even knocked down entirely and stored and the manure spread on the land for crops. This method is economical in lumber, as a 12-inch board on high side, 8-inch board on low side, makes a handy frame. As a protector we use heavy plant bed cloth tacked to frames, made out of 1x3 lumber, these frames 3x6. In cold weather these are a great protector on the glass; in milder weather they are used on crops to be hardened off, and on freshly transplanted stock they make a fine shade. In the summer they are also handy for shading tender crops and should be more generally used. A good depth of well-firmed hot manure is 12 inches. Greater depth is rarely needed, and less will do a little later in the season.

MARKETMAN.

MICE PROOF SEED CASES.
SEND FOR BOOKLET.
HELLER & CO., Montpelier, O.

Forcing Vegetables Under Glass.

Synopsis of a paper read by Wm. Turner, Oceanic, N. J., before the Massachusetts Horticultural Society, February 8, 1908.

Rapid advancements have been made in recent years in all greenhouse products, especially in forcing of vegetables. Each and every grower of greenhouse vegetables has his own way of doing things, but we are all working for one aim—that is to produce the best we can from a given space. The first thing to be considered along those lines is the house or houses best adapted for the work during the winter months. Twenty or 25 years ago the average house at our disposal was anywhere from 10 to 20 feet in width; anything wider was looked upon with disfavor. But experience has taught us in recent years that a house anywhere from 25 to 50 feet in width is to be highly recommended, according to the demands. The house that I would recommend for the private establishment would be, say from 20 to 28 feet in width. Build as light a house as possible so that there will be no shade to speak of. As regards heating, either steam or hot water is successful.

There is quite a variety of vegetables that adapt themselves to forcing. I shall divide these into two grades, as it would be impossible to grow them all in the same temperature. Take, for instance, lettuce, cauliflower and radishes. These may be grown successful in the same house, while cucumbers, tomatoes, beans, etc., require a higher temperature. Vegetables are not particular as to soil. Experience has taught me that some soils will take much more food than others. There can be no hard and fast lines laid down in regards to how much fertilizer a certain crop shall receive for best results. Growers in different localities and different soils, by studying the condition of growing crops can best judge as to how much food will be of benefit and the grower who carves his own road, using his own good judgment, will usually come out the most successful. We know, to produce good crops, potash, phosphoric acid and nitrogen is a necessity. This should be applied to the soil, in some shape or form. I am confident that whoever has given this question study and deep thought will stand by their own good judgment; self taught experience one never forgets.

LETTUCE.

The demand for lettuce is ever increasing, and without doubt this is one of the main winter crops. Whether for private or for commercial purposes, monstrous houses have been built for this industry within the past few years. A sandy or gravelly loam is to be preferred, more especially for the head lettuce which is the main lettuce grown for the New York market. Years ago lettuce was grown on raised benches. It was thought a benefit to have the plants near the glass, but this was certainly a mistaken idea. It is too hot for the roots, and plants require too much water. Lettuce, to be appreciated, must be grown quick and without a check, therefore to produce a quick healthy growth, a rich soil is necessary. Eight inches of good soil is none too much. A week or so before planting, a good coat of well rotted farmyard manure should be dug in; then, when ready for planting, a light application of hard wood ashes raked in. In the vicinity of New York the first lot of seed is sown around the latter part of August. Then a sowing every week or 10 days for a succession. The aim should be to keep a constant supply ready for use all through the winter months. The seed may be sown at one end of the house or in flats. When large enough to handle transplant again into flats or in the bed four inches apart. In three or four weeks they will be ready to set in their permanent quarters, planting in rows about eight inches apart each way. One great advantage in solid beds is, the crops do not require water very often. If the surface soil can be kept on the dry side, providing there is plenty of moisture below, the roots will have a tendency to work down, giving the plants health and vigour which is all important for best results, but a thorough good watering just as they commence to head will help to increase the size and quicken maturity. Give the plants all the air possible. Too much coddling is a mistake, as the foliage will get soft and then be in a condition to catch any disease that comes along. There is more disease brought on through careless airing than any other one cause, while we are growing lettuce artificially.

When growing in the open garden lettuce makes ideal growth when the temperature

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ONION

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ranges around 45°—50° at night, with 10°—15° higher during the day. Always put a crack of air on before the house rises much above night temperature and gradually increase as the conditions require. When the first crop is gathered there must be others ready to plant at once, keeping the space filled. In forking over the bed after every crop, a sprinkling alternately of bone meal and wood ashes is beneficial. It will take about seven weeks after planting till ready for use. The most dreaded fungus or disease is commonly called sunburn, although this is an erroneous idea, as the disease spreads more readily in a spell of dull weather than when it is bright. When a crop is badly infested it is useless; better throw it out, take the top soil out and replace with fresh or sterilize the soil. Lettuce requires very little surface feeding, provided it is growing in rich soil. A crop may be hastened somewhat by a watering once with nitrate of soda, say a level tablespoonful to three gallons of water. As the days increase in length there is not so much danger in over-feeding. There is quite a variety of lettuce adapted for forcing purposes, the best thing the head lettuce Boston Market, Glass House and Ideal, the last named being one of the best that I have ever grown inside. It was one of Weeber and Don's novelties a year ago.

CAULIFLOWER.

Probably there is no vegetable more improved by growing under glass than cauliflower; it requires the same treatment in every respect as lettuce, in regard to temperature, solid beds, etc., but the soil used may be of a trifle heavier nature and it is perfectly safe to feed it considerably more than lettuce, even during the short days. I would not advocate starting young plants before the first week in September. If started before that date they are apt to head up prematurely or "button." Sow according to the number of plants required. Transplant once about four inches apart, then in about three weeks transplant again where they are to mature in rows 18 inches apart and 15 inches in the rows. The first crop should be ready to cut from December on. For a succession sow seed every two weeks. I question if there is another vegetable forced that will take as much nitrate of soda to good advantage as the cauliflower. They will take at least three waterings with soda to good advantage, with a watering just as they begin to head up with cow manure water. This crop takes considerably more water than the lettuce. Snowball and its varieties, the Early Erfurt and First and Best are admirably adapted for forcing purposes.

RADISHES.

Radishes are easily produced under glass. I have seen it recommended to take a crop of radishes from among lettuce or other crop, but however, I am not in favor of this method. Radishes are rank feeders; they delight in a fairly sandy soil, well enriched with well decayed farm yard manure. Seed should be sown in rows eight inches apart, fairly thin, and, before they get crowded, they should be thinned to two inches in the rows. Radishes to be appreciated must be crisp and tender. If left in the bed too long they get soft and pithy. The very best seed obtainable should be used and if there is much seed noticeable it would pay to screen this out, the object being to have all the seed near the same strength, so that the crop will come even. A batch of radishes properly handled should be cleaned off with a couple of pullings. Where it is necessary to keep up a supply, seed may be sown every five or six days according to demands, and if possible keep them in solid beds. For forcing select those varieties that do not produce much top, Non Plus Ultra, for example. Radishes can be grown successfully in a lettuce house temperature.

TOMATOES.

Coming now to a class of vegetables that will thrive better in a warmer climate: Good tomatoes can be had either in solid beds or raised benches; for the winter months raised benches are to be preferred. Start the plants in time so as to have a good set of fruit before the shortest days set in; this will give a heavy picking through the shortest days. To get this, seed should be sown not later than August 1. For winter forcing I prefer growing on to 5-inch pots, potting firm to produce stocky, short jointed, thirfty plants. A good rose soil would be ideal for tomatoes, with about half the quantity of manure. Four or five inches of soil is sufficient to mature a heavy crop of fruit. Supposing the house to be running east and west, the tomatoes may be planted in rows crosswise the house, 18 inches apart and 15 inches in the rows, growing the plants single stem, pinching away all lateral growth, having a wire running across say four or five feet above the bench for each row to secure a five-foot stake to. After planting, the soil should be made firm, even pounded down. We are not anxious for the plants to reach the five feet too quick, but rather keep them short jointed. From such plants we expect a heavy crop, with not much difficulty in setting the fruit. This crop should be grown on the dry side, particularly during the short days, otherwise the result will be long jointed, soft growth, but give the plants a thorough watering when they need it. Oftimes they will look dry on the surface, but if the foliage looks vigorous, with no signs of wilting, they do not require water. During the winter months it will be necessary to pollinate the flowers. This may be done very rapidly at midday when the pollen is dry. Tap the flowers gently, allowing the pollen to drop on the finger. Then just allow the stigma to come in contact with the pollen lodged on the finger. This crop will take a considerable amount of feeding after the vines are well set with fruit. In chemical fertilizers, potash and phosphoric acid should be applied in a much larger proportion than nitrogen, giving a firmer growth to both vines and fruit. For an early spring crop of tomatoes seed may be sown any time in December, grown on in pots for a while, then planted as recommended for the winter crop, or they may be planted in solid beds. One of the main features in keeping a healthy vigorous growth is the temperature. I am not an advocate of high temperature, say 60° at night, 70° to 75° in the day according to conditions of weather and air at every available chance. Two of the best tomatoes I ever tested for forcing purposes are Comet and The Don. I think if anything The Don is the better. Stirling Castle is a very free setting tomato, but rather small.

CUCUMBERS.

The demand for cucumbers is equal to that for the tomato, and there is a call at all seasons. The white spine types are grown principally in the commercial establishments, while on the private places we oftener see the English or long Telegraph type. Both types are worthy of a place in the forcing house. Cucumbers can be grown successfully during the short days with a comparatively small amount of soil. They delight in a sandy loam, that cut from a pasture preferred, laid up for a month or so before using. Avoid using green manure. If farm yard manure is used, have it thoroughly decayed. The English varieties are better planted so the vines can be trained on trellises about 15 inches from the glass. We usually make our first sowing some time in August in small pots, one seed in a pot, then, before they get pot-bound, shift into four or five inch pots. From those, plant on raised benches three to three and one-half feet apart, using say three shovelsful of soil for each hill. As the roots work through, keep adding fresh soil with a little fertilizer.

A bench five inches deep and two feet in width is sufficient to mature a heavy crop of fruit. Heat, moisture and careful airing are three important items to contend with. Liquid manure may be applied when the vines are in heavy crop; that from the cow barn is the best. Be very careful in regard to feeding during the short days, otherwise it will damage the vines rather than benefit them. A temperature of 65° at night, 75° by day is necessary for the Telegraph types, or 80° with sun heat. The white spine types may be grown successfully in a trifle lower temperature. English cucumbers need no fertilizing, unless it is necessary to procure seed.

BEANS.

While beans are not much grown commercially, under glass, still they are very acceptable for the private table, and far superior to any that can be procured in the open market during the winter. When grown successfully it is surprising the amount that can be gathered. There are two methods of growing this crop, in pots or planted on raised benches. If grown in pots half fill 6 or 7-inch pots with fairly rich porous soil, then plant about six beans in a pot. As the beans grow keep adding soil by degrees, until filled. It takes about seven weeks to mature a crop grown in a temperature of 60° to 65° at night with 70° to 75° day temperature. I prefer the bench system, as there is not so much labor and attention required, and results are equal, if not better. Plant in rows across the bench 18 inches apart and the beans about two inches in the rows. One of the worst enemies is red spider. If that once gets started it spreads rapidly. Moisture and light spraying is the remedy. Careful airing is necessary or mildew will make its appearance and when this once attacks the foliage it checks the growth severely. Black Valentine, Wonder of France, Suttons Forcing and Suttons Perfection are all adapted for forcing purposes.

RHUBARB.

I do not consider the forcing list complete minus the rhubarb. There is considerable demand for this wholesome vegetable both private and commercially, and it requires very little attention. The main secret is if the roots are dug for forcing they should get a thorough freezing before they are taken into the forcing house. Leave as much of the soil adhering to the roots as possible. These roots may be forced successfully in the mushroom house or under the tomato house bench, setting the roots close together and filling in the hollow spaces between the roots with soil or leaf mould; anything to hold moisture. Every two weeks a fresh supply of crowns may be brought in according to demands.

Davis Perfect Cucumber

I have a quantity of fine stock of this seed to offer the trade. When first introduced, I secured a quantity of the seed from the introducer and from the crop I grew selected the finest for stock seed. From this I grew the seed I now have to offer. Let me make you prices.

My contract list for 1908 on the finest specialties in vine seeds will be ready in a few days. If you wish quotations, let me know.

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SOW NOW.

	Per ¼ lb.	Per lb.
Lettuce, Grand Rapids Forcing	$ .30	$1.00
May King	.40	1.25
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Davis Perfect	.35	1.25
Radish, Vaughan's Cardinal Forcing	.40	1.50
Improved Scarlet Globe	.25	.70
20 Day Forcing	.20	.60
Scarlet Globe White Tip	.20	.60
Tomato, New Globe	.75	3 00
Comet ..... pkt., $ .25		
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Cauliflower, Earliest of All .. pkt., $ .25;	oz.,	$2.50

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Vegetable Plants...

Lettuce Plants: Grand Rapids, Boston Market and Big Boston, 25 cents per 100; $1.00 per 1,000.

Tomato: Mayflower and Lorillard, 50 cents per 100.

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NEW FORCING TOMATO THE WAVELAND.

Unsurpassed by any other kind for private or commercial growing under glass or outdoor culture. Fruit thick and rich color. Seed limited. Order now. Ready September 1. Price: $1.00 per packet; $3.00 per ounce.

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HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, mixed), the most perfect and most beautiful in the world, $5.00 per oz.; $1.50 per ¼ oz.; 75c per 1-16 oz. Postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own grounds of more than 3,000 acres, and are warranted true to name, of strongest growth, finest stocks and best quality.

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List of my novelties in flower seeds for 1908 sent on application.

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The flower is pure white, of unusual size and fine shape, with long stiff stems. Blooming from mid-season to late. Is considered by leading florists to be the best and most profitable aster ever grown. **Trade Packet, $1.00; Half Ounce $3.00; Ounce, $5.00.** Cash please.

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Prices of Indoor Vegetables.

The prices of indoor vegetables at leading points February 22 were as follows: Chicago, mushrooms, 25 cents to 50 cents per pound. Cincinnati, cucumbers, $1.75 to $2 per dozen; mushrooms, 40 cents to 50 cents per pound. St. Louis, cucumbers, $1.50 to $1.75 per dozen. Boston, tomatoes, 25 cents to 35 cents per pound; cucumbers, $9 to $12 per box.

Hunt Grazing Decision Affirmed.

Washington, D. C.—United States Attorney Carl Rasch, of Montana, has notified Gifford Pinchot, chief of the United States forest service, that the United States circuit court of appeals at San Francisco, has affirmed the decision of Judge Hunt in the grazing trespass case instituted by the government against Thomas Shannon. No copy of the decision has yet been received by the forest service, but it is believed that it forbids stockmen to allow their cattle to drift upon the national forests, and that the national forests need not be fenced to prevent such drifting, although the state laws may make such fencing necessary for private lands.

In December, 1904, Shannon allowed his cattle to drift upon the Little Belt National Forest in Montana. To put a stop to this, suit was brought by the United States, and on March 18, 1907, Judge Hunt, in the United States circuit court for that state, rendered a decision in favor of the government, and issued an injunction perpetually restraining Shannon from allowing his cattle to drift upon the forests. Montana has a fence law by which land owners must fence their lands before they can obtain redress from stockmen whose cattle, feeding upon the open public domain, range upon and injure the private lands.

Shannon's counsel argued that this state law should apply as against the United States, but Judge Hunt held that the power of congress over the public lands, including the national forests, is complete; that congress has lawfully delegated to the Secretary of Agriculture the authority to make regulations to protect the forest; that the secretary had properly made a regulation that cattle must not range upon the forests without permit, and that consequently Shannon was a trespasser when he allowed his cattle to drift upon the Little Belt Forest, although it was unfenced. Shannon appealed from this decision, and as Montana is in the Ninth federal judicial circuit, which embraces most of the Rocky Mountain and Pacific states, his appeal was heard by the United States circuit court of appeals for the Ninth circuit, sitting at San Francisco. The court has now affirmed Judge Hunt's decision and this judgment is binding upon all federal courts in the circuit. A similar case is pending in the United States circuit court for Colorado, which is in the Eighth circuit.

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Oxalis, summer blooming, Cinnamon Vine Roots, German Iris, Delphinium Formosum, Lilies, etc.

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A very choice selection from large single flowers, many with broad edged petals in various colors. This is a particularly early flowering strain. Seed sown April 10th last year produced blooming plants July 5th which continued to flower until fall. Trade pkt., 35c.

SHASTA DAISY.

Alaska, flowers very large, pure white, on long stiff stems.
California, flowers very large, similar to above, but the buds and half-opened flowers are of a most pleasing clear pale lemon yellow with two rows of petals. When a day or two old these gradually change to pure white.
Westralia. This is distinguished by its branching habit. Buds and newly-opened flowers are of a pleasing cream-color, semi-double, 3 to 4 inches across, and are produced on fairly long stems in great profusion. Price: Any of above, ⅛ oz., 35c; oz., $2. The three colors in even mixture, same price as for separate colors.

CYRTOMIUM FALCATUM. PTERIS WIMSETTI.

This is superior to Wilsonii, as it does not rust.

We just secured from a fern specialist a grand lot of seed of these two ferns, both of which are necessary in every greenhouse. While this stock lasts we make the low rate of $1 per 1-64 oz. (about 10,000 seeds); $1.90 per 1-32 oz.

PRIMULA OBCONICA GIGANTEA ROSEA.

The well-formed flowers are the most pleasing pink, are 1½ inches in diameter and clusters are 4 to 6 inches across. With good culture this Primula attains giant dimensions and is equally valuable for pots and cut-flowers. Trade pkt., 50c; 1-32 oz., $3.

PRIMULA OBCONICA GIGANTEA KERMESINA.

Like the above, but bright crimson. Pkt., 35c.

GYPSOPHILA ELEGANS ALBA GRANDIFLORA.

Every florist should have a line of it for cutting. It comes up and blooms in a few weeks' time, and several sowings should be made during the season to keep up a supply. Trade pkt., 10c; oz., 20c.

PRIMULA KEWENSIS.

Awarded a First Class Certificate at the Royal Horticultura Society.

This charming addition to greenhouse Primroses originated at the Royal Gardens, Kew, as an accidental cross between Primula floribunda and P. verticillata. The plant is a strong grower, with bright green leaves, numerous erect flower-scapes, 10 to 18 inches in height, producing flowers in whorls at intervals along their whole length. The flowers are fragrant, bright yellow in color, with a slender tube and spreading limb, nearly 1 inch in diameter. As a winter-flowering decorative plant it is an acquisition. The florif-erousness in a very small state is quite remarkable; the spikes are useful for cutting, and the flowers continue to open for some time after being placed in water. Small plants in bloom may be effectively used in table decorations. Pkt. (150 seeds), 35c.

ZEA JAPONICA QUADRICOLOR PERFECTA.

This splendid variety differs from Zea Jap. quadricolor by its dwarfer and bushier habit and also by the more intense coloring of the broad yellow, green, rose and dark red stripes on the leaves. The male flower spikes are black, the sheaths of the leaves and stems reddish brown and the seeds dark red. It will be found very valuable for borders or planted singly, and even for pots. Trade pkt., 15c.

VAUGHAN'S IMPROVED SCOTCH VIOLAS OR TUFTED PANSIES.

The Scotch Violas or tufted Pansies have of late years been greatly appreciated. There are a great number of varieties varying in color from pale lavender to deep rich purple with many charming intermediate shades. They are very free flowering, and cannot be surpassed for bedding purposes; in light rich soil and a moist situation they will continue to bloom from spring till late in the autumn. They are also useful for ribbon borders, where they make a fine display. This new strain produces flowers with "faces," every flower having a distinct face, which puts a remarkable amount of life in a bed of these. Trade pkt., 25c.

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14 Barclay St., NEW YORK. **84 and 86 Randolph St., 202-208 W. Randolph St., CHICAGO.**

Illinois State Florists' Association.

CLOSING BUSINESS OF CONVENTION.

Wednesday morning's session included an address by Mrs. Walker, president of the Springfield Woman's Club, on "Springfield Beautiful."

J. F. Ammann made a stirring talk on his election as secretary, outlining the work of the association briefly and offering his services freely for all things connected with his office and the association.

A box of Sarah Hill and Lawson-Enchantress carnations from the B. K. & B. Floral Co., Richmond, Ind., arrived Wednesday evening in good shape.

Thursday morning's express brought a box of Mrs. Jardine from Robt. Scott & Son, Sharon, Pa. They were fine blooms and carried well, although they had probably been snowbound.

Prof. Irish, of the National Council of Horticulture, was not able to attend.

Springfield was chosen for next year's meeting.

ADDITIONAL VISITORS.

J. H. Burdett, Chicago.
J. Cole, Lincoln.
I. R. Cramer, of the Bombayreed Mfg. Co., Columbia, S. C.
Frank Bros., Beardstown.
Wm. and O. B. Heinl, Jacksonville.
O. J. Hembreiker, Lincoln.
Wm. Hembreiker, Lincoln.
R. O. Henderson, Pana.
J. E. Jensen, Chicago.
Frank Parmele, St. Louis, Mo.
A. Peterson, Hoopeston.
Thos. Salveson, Petersburg.
A. A. Smith, Princeton, Ind.
J. E. Young, Jacksonville.

WESTBORO, MASS.—The N. P. Brown place on East Main street appears to have been let go out of business entirely and the flowers allowed to get frozen. The proprietor, it is said, could not make it pay, so closed it up.

Report of Advisory Committee.

BY W. N. RUDD.

Your committee begs to report, as required by law, a summary of its proceedings up to this date. The first meeting of the committee was held June 25, 1907, at Urbana. At this meeting W. N. Rudd was elected secretary. A general discussion of the situation and of the needs of the trade took place. It was decided that from the funds available for the current year, namely $7,500, $3,000 should be set aside as a building fund. On the motion of J. Heinl, it was decided that a sum not exceeding $2,500 of the appropriation for the current year should be expended to cover expense of a field inspector and for an investigation into the damages and ravages caused by thrips especially, and other insects and diseases infesting plants and vegetables grown under glass in Illinois, and for conducting experiments in controlling and preventing destruction and damages by such insects and diseases.

A careful investigation of the facilities of the university and the experiment station carried out by the members of the committee, demonstrated that the present greenhouses by reason of faulty design, bad location and defective construction were inadequate and not adapted to the carrying forward of the necessary work covered by the appropriation made by the state and that the construction of an up-to-date commercial greenhouse plant at the experiment station was essential.

It also appeared that the use of over $3,000 of the annual appropriation of $7,500 for building purposes would so cripple the department that the work could not be carried forward with any degree of success, and it was plain that the sum of $3,000 on the other hand, was inadequate to erect commercial houses suitable for even present use. Under these circumstances the authorities in charge of the experiment station were requested to make a careful survey of the situation and to appropriate from general funds available, a sum sufficient, in addition to the amount before specified, to make a start in building a commercial greenhouse plant, such as would be erected by a man desirous of going into business for profit with a reasonable, but not excessive, amount of funds at his disposal. The idea expressed was that the requirements of the situation called for the erection of a modern commercial greenhouse plant, due attention being paid to economy in cost of construction, economy and efficiency in operation and the greatest possible capacity for intensive culture consistent with the previous limitations, proper provision to be made for future extensions. In other words, it was the sense of the committee that such a beginning in building should be made as a man thoroughly conversant with trade conditions and with a moderate amount of money at his command, would erect for the purpose of growing plants and cut flowers under glass for a profit.

A subsequent meeting was held in Chicago, October 17. On the suggestion of J. C. Vaughan, it was decided that, as soon as feasible, a general summary of the work done in the various experiment stations in the line directly covered by our appropriation, namely: the growing of crops under glass, be presented to the committee.

A. C. Beal presented a summary of the published work on thrips and made a number of recommendations. Dr. Forbes, the state entomologist, offered the assistance of his department in so far as other requirements and the limitations of his appropriation would allow. This offer was gladly accepted, and it was

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The bulbs are thoroughly ripened one month before the Bermuda Harrisii and are considered far superior in quality as they are **entirely free from disease.**

Careful trials were made for two years and were so successful that we imported over 300 cases last season. Our cases will be marked Y. N. Co.

Yokohama Nursery Co., Ltd., 31 Barclay St., New York.

decided that Mr. Beal should take up the work in co-operation with Dr. Forbes' department, it being generally understood that such work as could be best handled by the entomological department should be undertaken by that department and that such other work as might be more conveniently handled in the floricultural department should be taken in charge by that department.

A proposition was presented by A. Washburn of Bloomington, allowing the use by the floricultural department of the university of a greenhouse in his plant for experimental purposes. This proposition seeming to be the most advantageous of any before the committee was accepted. A third meeting of the committee was held in Chicago November 9. At this meeting a short statement of the conditions and progress of the work was made by Dean Davenport and by Prof. Blair. Mr. Beal also reported more in detail as to the progress of the field work on thrips. J. J. Davis, assistant to Dr. Forbes in the entomological department, gave a most interesting report on the preliminary practical work done. It was decided at this meeting to go on with the investigation of the life history of thrips with the hope that new facts might be brought out which would indicate the vulnerable point on which to attack these insects, which in the opinion of the committee are causing more financial loss to the growers of vegetables and flowers under glass in Illinois than any other disease or insect or, possibly, than all others put together.

Preliminary sketch plans of the proposed greenhouse plant to be erected at the station were shown and discussed, and it was decided that these plans should be submitted to the various members of the committee, individually, for criticism, after which complete plans and specifications for the erection of the houses should be got out. This ends the formal proceedings of the committee up to the meeting which is called at this place for this evening. The secretary begs to add the following.

Through the courtesy of the Foley Manufacturing Co. after the sketch plans made by them of the proposed greenhouses had been submitted to the various members of the committee and the representatives of the department, their architect proceeded to make thorough investigations including consultations with expert heating engineers, and has prepared and turned over to the writer a complete set of plans and detailed specifications. These plans and specifications, of course, are subject to careful revision and criticism by the committee and by the department.

The writer is convinced that after these plans have undergone the above revision, they will provide for the most modern, complete, and up-to-date commercial greenhouse plant of reasonable cost that exists at this time in the United States, that they will embody no fads nor freakish construction, that they will be economical and yet will sacrifice no valuable point for cheapness and, in fine, will come pretty close to being a model for commercial men to study and pattern after. The plans and specifications will be displayed at the close of the reading of this paper and it is hoped that every member present will carefully examine them and criticise them, it being understood that no person shall be at liberty to condemn any point unless he is prepared to suggest something better.

The writer cannot close this report without testifying to the appreciation of the committee of the enthusiastic manner in which Dean Davenport, Prof. Blair and the officials of the experiment station have taken up this work. The funds of the station are inadequate to its needs in other lines and yet these gentlemen have added $5,000 to our building fund which will enable them to construct and equip the houses complete and leave us still a fair sum for operating expenses. They are ready and anxious to push our work in every possible way but funds must be provided. This is your part of the work. When the time for the next appropriation arrives we must collectively and individually see to it that this appropriation is doubled.

We want to know how to eradicate thrips. We want to know how to fight other insect pests and diseases. We want to know a whole lot more about fertilizers, and about soils, and about new methods of culture. We want to know whether there are not locations in this state where bulbs, plants and seeds for which we now send our good money abroad can be produced cheaper and better. Above all and beyond all, we want a great school where our sons and daughters can be educated into our business instead of away from it.

Money in Cottonwood.

Lincoln Crowell, forest assistant of the Department of Agriculture, estimates that a 300 acre tract of cottonwood trees planted on the banks of the Mississippi in 1904 by Ferdinand Neidringhaus between Granite City and Nameoki, Ill., will be worth $350,000 to the owner. The trees were a year old when planted and were designed to prevent the erosion of the river's bank at that point and to protect the land from overflows.

In all 544,500 trees were planted, but only about 150,000 of these are expected to be thriving at the end of 15 years. The commercial value of the timber at that time will be about $7 per 1,000 feet, Mr. Crowell estimates. Three trees will average 1,000 feet of lumber.

The trees have increased their diameter by an inch a year, so that 20 years after planting they should be 20 inches thick. Cottonwood is used in manufacturing boxboards, excelsior and packeting for bottles and pails. Mr. Crowell will visit the Neidringhaus plantation to obtain photographs and to get information on which the Department of Agriculture will probably urge the cultivation of cottonwood along the river between Alton and Memphis.

PROVIDENCE, R. I.—Over $100 was raised, and presented to the widow of Henry Hobday, who was killed recently, by the employes of J. A. Budlong & Sons Co., at whose greenhouses Hobday worked.

The Nursery Trade

American Association of Nurserymen.
J. W. Hill, Des Moines, Ia., President; C. M. Hobbs, Bridgeport, Ind., Vice-President; George C. Seager, Rochester, N. Y., Sec'y.
Thirty-third annual convention to be held at Milwaukee, Wis., June, 1908.

PERRIS, CAL.—L. J. Marshall is preparing to plant 20 acres of Eucalyptus rostrata. About 1,000 trees are to be planted to the acre.

THE Kapok fibre tree is described in No. 3100 of Daily Consular Trade Reports, Department of Commerce and Labor, Washington, D. C.

KNOXVLILE, TENN.—The Peters Nursery Co. has been incorporated by S. V. Carter, L. D. Tyson, G. W. Callahan, R. P. Gettys and R. E. Gettys; capital, $25,000.

WATERVILLE, ME.—Headquarters have been established in the Savings Bank building by the Phoenix Nursery Co. of Bloomington, Ill., which will be the general office for the state.

WINCHESTER, TENN.—J. W. Shadow of the Cedar Hill Nursery and Orchard Co. has made a voluntary assignment in favor of his creditors. The estimated cash value of the assets is $60,000 and the liabilities $42,000.

THE interior flats of Jamaica Bay, N. Y., will, if the movement for the purpose proves successful, be turned into an immense water park in which will be enjoyed all the sports of smooth water. Harold A. Caparn of the American Society of Landscape Architects is interested in and has reported on the matter.

BROOKINGS, S. D.—N. E. Hansen, of the experiment station here, is distributing the Hanska plum, a cross between the wild northwestern plum of America, Prunus Americana, and the fragrant apricot plum of China, Prunus Simoni, popular in California orchards; also three or more other plums, crosses made, as we understand it, at the station. Their circular of new varieties should be in the hands of live nurserymen.

THE following circulars have been recently issued by the forest service of the Department of Agriculture: "Forestry in the Public Schools," by Hugo A. Winkenwerder; "The Seasoning and Preservative Treatment of Arbor-Vitae Poles," by C. Stowell Smith; "Forest Tables—Western Yellow Pine," by E. A. Ziegler; "What Forestry Has Done," by Treadwell Cleveland, Jr.; "Production of Veneer in 1906;" "The Estimation of Moisture in Creosoted Wood," by Arthur L. Dean.

NEW YORK.—A movement has been started by the Municipal Art Society to have the city acquire for park purposes the western slope of the ridge on which stands Fort George, with adjacent land, and to acquire an area bounded approximately by the ship canal, Kingsbridge road, Broadway, Seaman avenue and Isham street. Both of these tracts are rocky, wooded heights, practically useless for building purposes. Landscape Architect Harold A. Caparn, who has made a report to the society regarding the possibilities of these areas, advises that the city acquire land in addition to that needed for public use and sell it again after the improvements are made so as to recoup itself for the expense.

Corylus Colurna.

Corylus Colurna, or the Constantinople hazel, as seen by the illustration herewith, is a showy, handsome tree, said to grow 70 feet high in its native habitat in southern Europe and thence east to the Himalayas. The tree illustrated is growing at Highland Park, Rochester, N. Y., where, John Dunbar says, it has been found hardy, and attains a height of 30 feet or more. It forms an irregular pyramid, being handsome in outline, the lower branches sweeping the ground, the higher ones billowing out in the characteristic manner of the genus. The leaves are roundish and slightly lobed. Although this tree produces a nut of good quality it is never likely to be grown for this purpose, but it is certainly a handsome tree and should be planted freely in all localities where trees hardy in New York will succeed.

Facts About Conifers.

In an excellent address given recently, John Dunbar gave some good advice to private gardeners and growers, from which we have made the extracts below. Mr. Dunbar's long experience as superintendent of parks in Rochester, N. Y., gives special value and interest to anything he may write or say on the subject of trees. We have no higher authority on their culture and hardiness in this country and we are glad to have had the opportunity of placing these notes before our readers:

"In the older settled portions of this country conifers have been extensively planted on private estates, and a few interesting collections have been formed. Undoubtedly the finest private collection in this country is the Hunnewell pinetum at Wellesley, Mass. The oldest trees are about 65 years of age and are now in the stage of what might be termed adolescence, and show a high state of intelligent cultivation, and perhaps from no other source in this country can such object lessons be learned about the hardihood of the best species and varieties for the northeastern states.

"The winter of 1903-1904 was the severest test that conifers have been subjected to in many years in this country. A few conifers we were experimenting with, were killed outright, and quite a few were severely injured. We were, therefore, able to form important deductions about the hardihood of a number of species.

"Some species of conifers are liable to attack from different insect pests. During the past two or three years, the arbor-vitæ has been infested by a small caterpillar which bores in the tips of the young twigs, and turns them yellow and rusty and soon gives the whole tree a sickly appearance. It is said to be a

CORYLUS COLURNA.
Growing at Highland Park, Rochester, N. Y.

serious pest in some parts of Canada. Dr. James Fletcher, entomologist of the experimental farms in Canada, gives a brief account of it in his annual report for 1906. Dr. Fletcher states that large numbers of parasites are found active in connection with the insect and there is every reason to believe the outbreak will soon come to an end. I have seen its ravages in natural arbor-vitæ plantations in western New York. I do not know to what extent it prevails in this country, as the account in the Canadian report is the first published description I have seen of it. From the nature of its operations it can be seen that it is difficult to deal with by any spraying methods.

"The mite known to gardeners as red spider is a very serious pest on some spruces and junipers in many parts of this country. It is always worst in a dry season. It can be readily controlled where there is a strong pressure of water under command applied with a hose, but that is rarely available. Water applied with a hose from a powerful spray pump will dislodge it. John F. Johnston, superintendent of Paul Dana's estate in Long Island, who is an expert cultivator of conifers, has lately been using sulphur to destroy it on spruces and junipers. He blows it on with a bellows in the morning when the dew is on the branches, followed at intervals throughout the summer with occasional strong hose sprayings of water. Mr. Johnston tells me that the experiments which he has conducted for a short time, appear to be effective and satisfactory.

"The white pine weevil causes serious injury in many parts of the country. It sometimes attacks spruces and other pines, but not to any serious extent. The beetle lays its eggs in May, on the shoots of the previous year. During June and the first part of July the larvæ feed on the inner bark, and the shoots turn yellowish and brownish and soon die down to the base of infestation. If the infested terminals are cut off as soon as detected in June and July and burned, the broods of the weevils will be destroyed. Professor A. D. Hopkins, entomologist of the Department of Agriculture, Washington, D. C., states that this, though, may destroy large numbers of valuable parasites. He recommends placing these infested shoots in a tight barrel securely covered with wire fly-screen netting, so that the parasites may escape, while the beetles perish. By October 1 the weevils will be dead, and the netting may then be removed, but the barrel and its contents should be left until the following June, to allow the escape of the later developing parasites."

The speaker gave brief general descriptions of what he considers the best and hardiest conifers for the north and northeastern states. He took up the pines first. The section which includes the white pines, or those with five leaves in a sheath, is perhaps the most ornamental, he said. He paid special attention to the handsome and desirable white pine, the Swiss stone, and Cirean white, the mountain, Macedonian, Japanese white, Lambert's, Bhotan, the pitch, the lace bark, the yellow, Jeffrey's red, Swiss mountain, and many other varieties.

Larches came next in order, and Mr. Dunbar described the European larch, the Japanese native larch or tamarack, which, he said, is not as much planted as it should be, as it is distinct and very picturesque. Spruces are of great ornamental value, but the Norway spruce he declared he had little respect for. The hemlock spruce was said to be among the most beautiful of conifers. The late Josiah Hoopes, who wrote an admirable treatise on conifers, said if he were restricted to the choice of only one evergreen, he would take a fine specimen of the hemlock spruce.

The firs hold an important place in ornamental planting, and there are few trees that convey such conceptions of nobility and majesty. The Japanese umbrella pine with its prim conical habit is an interesting conifer and perfectly hardy. "I remember," said Mr. Dunbar, "that we grew these in pots in England, and I was much surprised when I saw them for the first time in this country looking well and happy in zero weather."

The address concluded with descriptions of native, western, Chinese and Japanese arbor-vitæ; cedars, junipers and yews. The Japanese ginkgo, a deciduous conifer, has shown, he said in closing, a great hardihood in the northeastern states and grows to a large size and attains mature beauty. Its usefulness as a street tree has been shown in Washington.

Holly From Seed.

ED. AMERICAN FLORIST:—

Please give me some information in growing holly from seed. GARDENER.

We reprint John Dunbar's answer to a similar query which was given in our issue of January 18: "The seeds should be separated from the pulp, and sown at once in a flat of sandy soil, and the surface of the soil should be covered with a layer of sphagnum moss, or any similar material, to keep the surface of the soil cool and moist. The flat may be kept in a cold frame, or a cool greenhouse, and they will germinate the second year. The third year they should be removed from the flat and planted in a nursery bed, a few inches apart, and transplanted again according to their requirements. The growing of hollies from seed is a slow process, and requires much patience, and unless you wish to go into this experience for enjoyment, we would advise you to purchase the plants from a nursery."

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MANETTI for Grafting
Smooth, evenly-graded, especially selected for Florists' use.
Grafting size, 3-5 mm., $ 8.00 per 1000; $75.00 per 10,000
Extra large, 5-9 mm., 10 00 per 1000; 90.00 per 10,000
Orders booked now for grafted Bride, Maid, Richmond, Killarney, Kaiserin, Wellesley, etc., to be delivered in April or later, when wanted; write for prices; also for Spring List of Roses, Shrubs, Vines, Perennials, Conifers.
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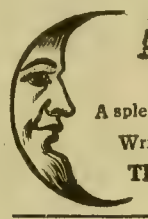
ARBOR VITÆ
(Thuya Occidentalis.)
A splendid stock, of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.
THE WM. H. MOON CO.,
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Am. Arbor Vitae Hedge Plants
at Wholesale to Florists.
Best Evergreen Hedge Plant in the World.
EVERGREEN NURSERY CO.,
STURGEON BAY, WIS.

Hardy Roses
American Grown—Superior to Imported
We have unsold at the present time the following varieties—all field grown plants, grown in our nurseries at Rochester, N. Y.:

Anne de Diesbach	Prince Camille
Clio	Ulrich Brunner
Frau Karl Druschki	Crimson Rambler
General Jacqueminot	White Rambler
John Hopper	Yellow Rambler
Mme. G. Luizet	Philadelphia Rambler
Marshall P. Wilder	Common Sweet Briar
Mrs. John Laing	Mme. G. Bruant
Paul Neyron	Wichuriana (The Type)

These plants are in our storage cellars and can be shipped at any time. Prices on request.
ELLWANGER & BARRY
Nurserymen—Horticulturists
Mount Hope Nurseries, Rochester, N. Y.

LARGE TREES.
OAKS and MAPLES.
PINES and HEMLOCKS.
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA

The True Amoor River Privet
Ligustrum Amurense
2½ to 3 feet, strong, field-grown plants, any quantity, $25.00 per 1000.
California same size and price.
Peter's Nursery Co., Knoxville, Tenn.

AZALEAS (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.
Jacs Smits, Ltd. NAARDEN, (Holland.)
Price list free on demand.

BOBBINK & ATKINS,
Rutherford, N. J.,
Bay Trees, Palms, Buxus, Azalea Indica, Rhododendrons, Evergreens, Herbaceous Plants, Roses, Trained Fruit Trees, Greenhouse Grape Vines. Ask for catalogue.

PEONIES.

Festiva Maxima	$20.00 per 100
Queen Victoria (Whitleyi)	9 00 per 100
Fragrans (Late Rose)	6.00 per 100

For 1000 rates and other varieties, write
GILBERT H. WILD, Sarcoxie, Mo.

TREES AND SHRUBS.
Immense quantities, low prices.
Send in your lists for figures.
PEONIES A SPECIALTY.
PETERSON NURSERY, 108 La Salle St., CHICAGO.

WINONA The True Pink Carnation for 1908.

A Color that Attracts Attention. Once Seen, Always Wanted.

Comes nearest to Fiancee, but is a different type flower. **Never Bursts—Every Calyx Perfect.** Good, shapely, active growth. Blooms early and in quantity. A grand commercial variety. Give it a trial and compare the returns. We have a large stock, clean and healthy. Will guarantee every cutting to be first class. Order now for early de ivery. **Price: $12.00 per 100; $100.00 per 1000.** La'ger lots, prices on application. With our additional glass we have more than doubled our stock of Carnation Plants, and can fill orders for rooted cuttings to even better satisfaction than in past years.

FOR FEBRUARY DELIVERY AND LATER.

	Per 100	1000
Red Chief, bright scarlet	$5 00	$40 00
Bonnie Maid pink, edged white	5 00	40 00
Aristocrat cerise	6 00	50 00
Winsor pink	6 00	50 00
Beacon, orange scarlet	6 00	50 00
White Enchantress white	$6 00	$50 00
White Perfection, pure white	3 00	25 00
Rose-Pink Enchantress, pink	3 00	25 00
Enchantress light pink	3 00	25 00
Lady Bountiful, white	$3 00	$25 00
Victory, scarlet	3 00	25 00
Dorothy Whitney, yellow	4 00	30 00
Mrs. Patten, variegated	3 00	
Harry Fenn, crimson	3 00	

F. DORNER & SONS CO., La Fayette, Ind.

British Horticulture.

FROM THE BRITISH TRADE PAPERS.

USEFUL SPRING SALAD PLANT.—The first three or four months in the year are the worst for maintaining the salad supply, and especially so after a succession of severe frosts which have destroyed all autumn-sown stock in the open ground. Endive up to this date has been available, but now this is over unless given glass protection. A good substitute for endive and lettuce is Carter's Endive-Leaved lettuce, a very good salad plant and most valuable on account of its rapid growth. The leaves resemble endive, being deeply serrated, and even in a young state very good for the salad bowl. With a frame or glass I have had useful cutting material in a very short time. Sown in boxes and cut over when quite young it may be had fit for use under a month. It is also equally valuable for sowing on a warm border for first supplies. Several sowings should be made from February to May, the April and later sowings being made on good ground in the open.

AUBRETIA BRIDESMAID.—The soft pink aubrietias supply a want in the garden at this season, and Bridesmaid is one of the most pleasing of those possessing this tint, one which is not at all plentiful. It is paler and more delicate in color than Moerheimi, and one can hardly say that the two are rivals, for each has its own value. For those, however, who wish an aubretia of delicate pink, almost blush hue, this neat little variety can be confidently recommended. It is one of several raised and sent out by Barr and Sons, and it certainly reflects credit on the firm with whom it originated. Its habit is closer and more compact than that of Moerheimi, so that it quite lacks the looseness of growth and rather ungainly habit of a few of the named aubrietias. One does not refer to Moerheimi as one of these, for that good aubrietia is neat and excellent in its growth.

RHODODENDRON INTRICATUM.—When shown April 2, a first-class certificate was given to this pretty little species from western China, with which everyone was delighted. It is quite a pigmy, flowering when but a few inches high, though we are told by E. H. Wilson, who introduced it when traveling, for Veitch, that it reaches a height of one foot to three feet. It was exhibited under the name of R. nigro punctatum, but was afterwards proved to be a distinct species. For associating with the smaller-growing members of the genus it bids fair to be a decided acquisition, for it is said to have proved quite hardy at Coombe Wood. The flowers are each about three-quarters of an inch in diameter, deep lilac in color, and borne in great profusion.

VITIS LEEOIDES.—From China we have had within late years many distinct and ornamental members of the vine family. In this, one of the most recent, the leaves are made up of three or five oblong leaflets, green above and purplish underneath. As climbing plants for pergolas, etc., are now so much sought after, this will, doubtless, become popular.

CARNATIONS ROOTED CUTTINGS.

Now ready for shipment. Healthy Stock.

	Per 100	1000
Enchantress	$3 00	$25.00
Rose Pink Enchantress	3.50	30.00
Robert Craig	$3.00	$25.00
Vesper	2.50	20.00

ASPARAGUS PLUMOSUS.

Fine bushy plants.

	Per 100	1000
From 3-in. pots	$7.00	$60.00
From 2½-in pots	$4.00	$35.00

CYCLAMEN, Craig's Famous Strain, from seeds of our own saving, twice transplanted, 100, $4.50; 1000, $40.00.

FICUS PANDURATA, (in tubs), magnificent plants, single stems, 6-ft. high $7.50 each. Magnificent plants, branched, 5½-ft. high $7.50 each.

ROBERT CRAIG COMPANY,

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LLOYD Will Not Disappoint You.

The only ever blooming **White Carnation** in existence. It is the bread and butter white of the future. Size and stem of Enchantress, with the freedom of McGowen. Easy Rooted. Excellent keeper and shipper. Best seller of any carnation on the market.

Rooted Cuttings, **$2.00** per doz., **$12.00** per **100**, **$100.00** per 1000; unrooted **$6.00** per **100**, **$50.00** per **1000.**

H. A. JAHN, New Bedford, Mass.

QUEEN $10.00 per 1000.

White Enchantress, $5.00 per 1000.
Strong, well Rooted Cuttings.

PHILIP SCHUPP,
37 Randolph St., CHICAGO.

Carnation Cuttings.

——FINE STOCK OF——

Lawson, Enchantress, Rose Pink Enchantress, Perfection, Lady Bountiful, $3.00 per 100; $25.00 per 1000.
Winsor, $6.00 per 100; $50.00 per 1000.
Cash with order. Address

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White Enchantress.

ROOTED CUTTINGS
$6 00 per 100; $50.00 per 1000.

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We are in unusally good postion to supply exceptionally well-rooted, healthy stock. We have such a large quantity of flowering plants that we propagate only from heel cuttings from flowering shoots. Our cuttings are rooted in light, sunny, airy, houses, and we are sure will satisfy the most critical buyer.

A prominent carnation grower writes: "You seem to be **the only firm in the business that knows how to pack stock and have it reach the buyer in good condition,** and I have always found your cuttings cheaper than the same varieties at much lower figures.

While our prices may not always be the cheapest, we certainly can give, quality considered, as good value if not better, than is obtainable anywhere.

WINSOR, which we introduced last year has proved to be the finest novelty introduced in years. We think it is the most profitable variety grown to-day, considering its fine color, splendid keeping qualities and productiveness. When properly grown it leaves little to be desired, and almost every one succeeds with it.

White Enchantress, the best all-round White Carnation, on account of its large size, long stem, earliness and productiveness. Our White Enchantress exhibited at the Carnation Convention at Washington, was the only White Enchantress exhibited that received an award.

Strong rooted cuttings, now ready for delivery, from sand, $6.00 per 100, $50.00 per 1000; from soil, $7.50 per 100, $60.00 per 1000.

We offer, also, **Beacon** and **Red Chief**, from sand, $6.00 per 100, $50.00 per 1000; from soil, $7.50 per 100, $60.00 per 1000, also **Victory, Melody** and **White Perfection,** from sand, $4.00 per 100, $35.00 per 1000; from soil, $6.00 per 100, $45.00 per 1000; **Variegated Lawson, White Lawson** and **Red Lawson,** from sand, $3.00 per 100, $25.00 per 1000; from soil, $4.00 per 100, $35.00 per 1000. We can supply, also, **Winona** and **Afterglow,** at $12.00 per 100, $100.00 per 1000.

Buyers will find transplanted stock offered from soil well worth the difference in price.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

"Two Shades of Red"

Do you want **THE BEST CRIMSON** on the market? f so, let us book your order for

HARVARD "A greatly improved Harlowarden, with a larger flower, better stem and very prolific." **Rooted Cuttings, $12.00** per 100; **$100.00** per 1000.

FAUST "A brilliant scarlet, very prolific, many plants last Christmas having 20 buds and blooms to the plant. Best of its color for commercial use." **Rooted Cuttings, $6.00** per 100; **$50.00** per 1000.

Standard Varieties

Strong, Healthy, Rooted Cuttings

	Per 100	Per 1000
Winsor	$ 6 00	$ 50 00
Rose Pink Enchantress	3 00	25 00
Enchantress	2 50	20 00
Lawson	2 00	15 00
Queen	2 00	12 50
Victory	2 50	20 00
Queen Louise	2 00	15 00
Red Sport	2 50	20 00
Pink Patten	3 00	25 00

REMEMBER WE GUARANTEE SATISFACTION. Address all orders to

JAMES D. COCKCROFT, Northport, Long Island, N. Y.

LEGAL NOTES.

Dickson's Irish Roses.

In the chancery division, before Justice Kenny, the case of Alex. Dickson and Sons, Limited, v. Alexander Dickson and Sons was mentioned on cross applications by plaintiffs and defendants for leave to administer interrogatories to each other. The action is brought by the well known company of nurserymen, seedsmen and rose growers, carrying on business in Newtownards, Belfast, Dublin, Blackrock, and also in Herefordshire, Eng., for an injunction restraining the defendants, who are also nurserymen, carrying on business at Woodlawn Nurseries, Dundrum, and Parliament street, Dublin, from selling roses and seeds not grown or propagated by the plaintiffs as "Dickson's Roses" or "Dickson's Seeds" or as "Dickson's Irish Roses," and from carrying on the business of nurserymen and seedsmen under the style of Alexander Dickson & Sons, or Alex. Dickson & Sons, or any style in which the name Dickson appears, without taking reasonable precautions to clearly distinguish the business carried on by the defendants from that carried on by the plaintiffs; and also for an account and inquiry as to damages.

The plaintiffs allege that roses and seeds grown and propagated by them have been largely advertised as "Dickson's Roses" and "Dickson's Seeds," and thereby acquire a reputation for excellence in the home, colonial and foreign markets, and that roses and seeds stated to be Dickson's would be understood in the trade and by purchasers as the plaintiff company's roses and seeds; and they allege that the defendant, Alexander Dickson, who until February last year carried on business as the Ashbourne Agricultural Co., had, for the purpose of taking advantage of the reputation of the plaintiff company's roses and seeds and appropriating their trade connection, commenced to trade under the name and style of Alexander Dickson and Sons. The defendant firm repudiates all these allegations, and denies that there is any foundation for them. Justice Kenny made the orders asked for.—The Horticultural Advertiser, Eng.

DEFIANCE

The only scarlet with the real velvet color. It is there for quantity and quality. Let us have your order for early delivery.

$12.00 per 100; $100.00 per 1000.

JENSEN & DEKEMA, —674— W. Foster Ave., **Chicago. | W. N. RUDD, Morgan Park, Ill.**

CARNATIONS

Rooted Cuttings. Healthy stock.

	Per 100	1000
Winsor, Helen M. Gould Beacon	$6.00	$50.00
White Enchantress	7.00	60.00
Melody, Victory	4.00	
Enchantress, Lady Bountiful, Red Lawson, Variegated Lawson, White Lawson, Daheim	3.00	25.00
Mrs. T. W. Lawson, Boston Market,	2.00	15.00

Send for Catalogue.

WOOD BROTHERS

FISHKILL, N. Y.

Rooted Carnation Cuttings

White.	Per 100	1000
White Perfection	$3 00	$25 00
White Enchantress	6 00	
Pink.	**Per 100**	**1000**
Enchantress	$2 00	$15 00
Rose Pink Enchantress	3 00	25 00
Lawson	1 75	15 00
Helen Goddard	2 50	
Aristocrat	5 00	
Red.	**Per 100**	**1000**
Beacon	$6 00	$45 00
Victory	3 00	25 00
Robt. Craig	3 00	25 00
Crimson.	**Per 100**	**1000**
Harlowarden	$1 75	15 00

ELI CROSS,

Cor. Ashland Ave. and Page Street. **Grand Rapids, Mich.**

Morristown, N. J.

The Morris County Gardeners' and Florists' Society held a very interesting meeting February 12. The monthly exhibit was a very creditable feature though no special effort was made in this direction. Robt. Scott, of Sharon Hill, Pa., had 50 flowers of the new rose Mrs. Jardine. Its most striking characteristics were fine foliage, long, stiff stems and fullness and substance of flower. A certificate of merit was awarded.

W. A. Manda of South Orange sent up a fine vase of new carnation, No. 20. The judges decided it was a promising commercial variety and would like to see more of it. Chas. H. Totty had White Perfection in fine shape and A. R. Kennedy had a vase of White Enchantress that secured a cultural certificate. Arthur Herrington's vase of Beacon won a cultural certificate. It was long stemmed, large flowered and the color was intense. The same exhibitor had a fine collection of indoor-grown vegetables, and 50 plants of stocks, Beauty of Nice and Queen Alexandra in 4-inch pots, with wonderful spikes of flowers. A cultural certificate was awarded the stock. Wm. F. Lyons, Springbrook farm, had a new white hybrid calanthe which was much admired.

The next meeting, in March, will be carnation night, and as there are so many novelties of decided merit in the market, we expect to have a better show than ever before. It is one thing to read an introducer's description and quite another thing to have the flower before you, and, judged by competent men, no better advertisement can be than for a gardener to take home a flower or two and present them to the ladies. Carnation night has always been a great night with us, and we expect this one to be no exception. Geo. Harvey, of Madison, and O. A. Miller were elected members.

E. R.

CHRYSANTHEMUMS.

Monrovia, October Sunshine, F. A. Cobbold, Mrs. T. W. Pockett, Col. Appleton, Nellie Pockett, Cheltoni, Lady Hopetoun, White Coombes, Ben Wells and others now ready at $3.00 per 100, $25.00 per 1000; 2¼-in. pots.

If your stock is run down try some of mine and see the difference next fall. Lots of the new singles now ready.

You got my 'mum list, of course?

CHARLES H. TOTTY, Madison, N. J.

Orchids

The largest importation of Orchids ever received in this country will arrive next spring from Brazil, Venezuela and Colombia. If you intend putting in a stock wait for these to arrive and we will quote you the lowest prices in America.

ORDONEZ BROS.

Madison, N. J.

ORCHIDS.

Arrived in superb condition: C. Trianæ, C. Mossiæ, C. labiata, C. Schroederæ, C. speciosissima, C. citrina, C. intermedia, C. Gaskelliana, Laelia anceps, L. albida, L. majalis, L. autumnalis, Oncidium crispum, O. varicosum, O. Cavendishianum, O. luridum, Epidendrum vitellinum majus, E. Cooperianum, Odonto. citrosmum. To arrive in a few weeks time: C. aurea, C. Dowiana, C. Warneri, Miltonia vexillaria.

CARRILLO & BALDWIN, Secaucus, N. J.

Orchid Importations

Write for Prices

FOR 1908 DELIVERY.

JULIUS ROEHRS COMPANY.

The Orchid Nurseries. RUTHERFORD, N. J.

Orchids!

Orders booked now for delivery 1908 of all the leading kinds of Orchids at greatly reduced prices. We have also just received the following: Oncidium tigrinum, O. sarcodes, O. Forbesii, Sophronitis grandiflora and coccinea. Write us.

Lager & Hurrell, Summit, N. J.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World.

SANDER, St. Albans, England.

NEW YORK OFFICE: Room 1, 235 Broadway. T. MELLSTROM Agent.

WEST GROVE, PA.—Antoine Wintzer, of the Conard & Jones Co., and son, Charlie, are in Charlotte, N. C., looking for a suitable location to erect greenhouses for the culture of roses. If satisfactory arrangements can be made, the latter will locate there.

Special Offer.

COMMERCIAL CHRYSANTHEMUMS.

For a Short Time Only.

To reduce our immense stock, we make this **CUT IN PRICE,** which enables you to secure **that strong winter propagated stock at midsummer prices.** All plants of good length to allow of immediate topping.

Col. D. Appleton, Dr. Enguehard, Monrovia, Mrs. H. Robinson, Mrs. Swinburne, Mayor Weaver, Oct. Frost, Polly Rose, Wm. Duckham, also F. J. Taggert, the catalogue favorite. **$3.00 per 100; $25.00 per 1000.**

Comoleta, Ialene, Intensity, Jeanne Nonin, Silver Wedding, W. H. Chadwick, Yanoma. **$4.00 per 100; $35.00 per 1000.**

Pres. Roosevelt (whether you like the name or not it is bound to become popular on its own merits). **$10.00 per 100.**

250 and not less than 50 of a variety at 1000 rate.

Our novelties (except Golden Glow), all the French, and all the English novelties (except W. M. Moir), good strong stock, ready for immediate delivery. Prices right.

ROOTED CUTTINGS.—Have just put a large batch of standard varieties in sand. Will be rooted about March 10. Let us hear from you, if interested.

ELMER D. SMITH & CO.

Successors to Nathan Smith & Son,

ADRIAN, MICH.

CHRYSANTHEMUMS

Mrs. Henry Robinson,

From 2½ and 3-inch pots, $25.00 per 1000; $3.00 per 100.

Metairie Ridge Nursery, New Orleans, La.

JOHN E. HAINES,

BETHLEHEM, PA.,

is the place to order rooted cuttings of the following varieties for 1908.

	Per 100	Per 1000
John E. Haines, red	$6.00	$50.00
Imperial, variegated	6.00	50.00
Pink, Pink	6.00	50.00
Enchantress, Light pink	6.00	50.00

Place orders early for December delivery.

WE have a thousand or two of fine **Sarah Hill** and **Lawson-Enchantress** Carnations in 2½-in. pots, which we quote at $12.00 per hundred; Rooted Cuttings of same at $10.00. Should you like to try a hundred of them be sure and send your order in promptly.

GEO. A. KUHL,

PEKIN, ILLINOIS.

Extra Fancy Carnation Blooms

Shipped direct to all points. Special attention to telegraph orders. Give us a trial and be convinced.

J. D. THOMPSON CARNATION CO., Joliet, Ill.

Florists as Confidantes.

"A man holding my job frequently must use all his self control to keep his face straight, and just as frequently to keep from weeping," said the florist as he completed the sweet and original note which he was writing for a young man who could not trust his own pen to communicate thoughts to a certain young lady who was to receive on St. Valentine's Day a beautiful bunch of carnations.

Just at this juncture a perturbed young man entered hurriedly, and asked in a low but impressive tone:

"Are you sure you sent those flowers?"

"Yes."

"And was the card at the bottom of the box, almost hidden?" This in almost a whisper.

"Yes."

"And did you tie them with a pink ribbon?"

"Yes."

The young man rushed out again.

"That's the sixth time he's been in here this morning, and asked those questions," confided the florist. Then he related the following romance.

A year ago a rush order from out of town came for a large box of pansies to be sent to an Atlanta girl, but with the instructions that the name of the sender must be a secret. The next morning the young lady, rather timid and uncertain, entered the florist's store in Peachtree street. She asked the manager the name of the sender of the pansies. He politely refused, so she departed to return with her mother, who was most emphatic in her demands for the identity of the man of the pansies. She, too, was denied the information, and likewise the father on the next day. Late one evening the girl returned.

"Please just tell me if he lives in Atlanta or out of the city," she asked. The manager refused, more politely than before.

"Is he tall, with dark hair, or rather medium height with blue eyes?"

"I tell you," said the manager, "if you want to thank him for those flowers, write a note and we will be sure the right man gets it."

What was in that note only two people know. The address was "To Him." Nothing more was heard of the romance until there was an order for wedding flowers about a week ago. She was married "to him."

The literary department of the florists' business is the most difficult. Raising flowers, preparing them for the market, selling and delivering them is easy, compared to composing expressions of sorrow or congratulations.

"Sometimes," said the florist, "a husband comes in and orders flowers for his wife. He says, 'Just write a nice card for me.' Now, we don't know whether he is giving the flowers because he is sorry for a little tiff they've had, or whether he's merely in love with his wife. So we have to write something that will fit either case."

In the matter of funerals, the florists carefully censor all cards their patrons send out. Many persons, if permitted, would say, "with the compliments of," or even worse, "with the best wishes of," instead of "with the sincere sympathy," and the like.

Then there is the impecunious person who does not believe flowers are a very good investment. One of this kind entered the florist's shop the other day. He announced his intention of buying some flowers for a funeral.

"Ten dollars?" asked the florist.

"No, not that much. You see it was not a member of my immediate family."

"Eight dollars?"

"Well—er—you—see—the person was not a relative of mine."

"Five dollars?"

"I don't care to pay much, for I was never very intimate with the deceased."

"Three dollars?"

"Oh, no, it's merely a slight acquaintance."

"Two dollars?"

"Well, make it a dollar. The person was just a brother of a friend of my wife's, you see."

Love affairs in which the flowers play an important part are frequent, and the florist must be as silent as a grave. Perhaps he could, if he would, pair off half the town into devoted couples. But he doesn't; for secrecy is a part of business.—Atlanta Georgian.

CORONA, CAL.—Hiram Strauss is improving his property on Washburn street by the addition of a greenhouse.

"THE TEST is what TELLS THE STORY."

When growers who buy by the 100 the first season order thousands the next—IT MEANS MERIT.

BEACON CARNATION

occupies this enviable position; as an all winter blooming scarlet IT HAS NO EQUAL.

Strong, vigorous, healthy cuttings, ready now, Per 100, $6.00; per 1000, $50 00.

Winsor	Per 100, $6.00; per 1000 $50.00	Rose Enchantress	Per 100, $4.00; per 1000, $35.00
White Perfection	" " 4.00; " " 35.00	Enchantress	" " 3.00; " " 25.00

Send Money Orders on Norwood, Mass.

PETER FISHER, Ellis, Mass.

STRONG, WELL ROOTED

Carnation Cuttings.

I have 50,000 Enchantress, 25 000 Mrs. T. W. Lawson, and 20,000 Boston Market, ready for immediate delivery, in as choice a lot of cuttings as has ever been offered, and AT PRICES THAT WILL INTEREST YOU.

Let me quote you prices on the above: also on good, strong stock of the following varieties: White Enchantress, Beacon, Winsor, Aristocrat, Rose Pink Enchantress, Victory, Lady Bountiful, Mrs. M. A. Patten, White, Red and Variegated Lawson, and Harlowarden. SATISFACTION GUARANTEED.

A. F. LONGREN, Des Plaines, Ill.

CARNATION CUTTINGS. Well Rooted. Ready Now.

SPECIAL PRICES

To clean out benches while this lot lasts.

	Per 1000	Per 100		Per 1000	Per 100
Enchantress	$15 00	$2 00	Pink Imperial	$30 00	$3 50
Lawson	10 00	1 50	Pink Patten	15 00	2 00
J. E. Haines	15 00	2 00	White Perfection	25 00	3 00
			Winsor	50 00	6 00

ALBERT M. HERR, Lancaster, Pa.

FINE HEALTHY BENCH PLANTS

AMERICAN BEAUTY, RICHMMONDS,

$8.00 per 100; $75.00 per 1000.

37-39 Randolph St.,

J. A. BUDLONG, ...CHICAGO.

CARNATIONS—Rooted Cuttings. Immediate Delivery.

	Per 100	1000		Per 100	1000
Winsor	$6.00	$50.00	Enchantress	2.00	20.00
Aristocrat	6.00	50.00	Lawson (pink)	1.75	15.00
Victory	3 00	25.00	Lawson, (white)	2.00	18.00

STEVIA, R. C., $1.00 per 100.

Or will exchange the above for Montmort, Perkins, Poitevine or Viaud Geraniums.

Satisfaction guaranteed. **E. T. WANZER, Wheaton, Ill.**

CARNATIONS ROOTED CUTTINGS.

Aristocrat	Per 100, $ 5 00	Enchantress	Per 100, $ 2 00
Winsor	" 5 00	Lady Bountiful	" 2 00
Perfection (White)	" 2 75	Victory	" 2 75

Rose Pink Enchantress, $2.75 per 100.

SALVIA ZURICH. The Ever-blooming Salvia. Rooted cuttings, $1.75 per 100; 2-in. $3.00 per 100.

The Salvia Zurich was first introduced by us.

PERENNIAL GARDENS CO., Toledo, Ohio.

New "MY MARYLAND" Rose

BEST UP-TO-DATE COMMERCIAL ROSE.

The Gardeners' and Florists' Club of Boston: A report of merit is hereby awarded to **John Cook,** for Vase New **H. T. Rose, No. 294,** since named **"My Maryland."** Description and points of particular merit: This new rose has a pleasing shade of salmon pink. With other essential characteristics of a good commercial rose fully proven, much may be expected of it.

The Committee believes this variety will be especially valuable in the light pink class of winter blooming roses.

Given by the Gardeners' and Florists' Club of Boston, this 17th day of December, 1907.

[Signed.]

PRICES: 2 and 2 1-2-inch pots, $25.00 per 100; $200.00 per 1000; 3-inch pots, $5.00 per dozen.

JOHN COOK, 318 N. Charles St., **Baltimore, Md.**

Cinerarias

3 4, 5 and 6 inch pots, 80c, $1.75, $3.00 and $4.75 per doz:

Write for prices on **BEDDING PLANTS.**

Please send cash with order.

CHAS. SHERWOOD,
WATERLOO, IA.

TAUSENDSCHON.

or in English, **THOUSAND BEAUTIES,** is the sensational new Climbing Rose of the year. Every florist should have it. Is not excelled for forcing purposes and for general planting by any Climbing Rose now known, **not even barring Crimson Rambler.** This is the coming forcing Rose. Get your stock early. It is beautifully illustrated in ten colors and gold in **Our New Guide to Rose Culture,** for 1908 the Leading Rose Catalogue of America. Copy **free** for the asking.

Strong plants of Tausendschon from 3-in. pots, 10 for $1.50; $12.00 per 100; $100.00 per 1000.

Single Hyacinths, all the leading named varieties King of the Blues, Czar Peter, Norma, etc., $3.00 per 100.

Single Hyacinths, all colors mixed, $2.00 per 100.

Double Named Hyancinths, Goethe, Lord Raglan, Pure d'Or, Blolksbergeb, etc., $3.00 per 100.

Crocus, Named Varieties, $3.00 per 1000; Mixed Yellow, Mixed Purple and Blue, $2.50 per 1000.

Dahlias, all the leading varieties $45.00 to $50.00 per 1000. Send for list.

Cannas, all the leading varieties $10.00 per 1000 and upwards. Ask for list.

Rex Begonias, largest and cleanest stock in the country, $5.00 per 100; $45.00 per 1000.

The Dingee & Conard Co., West Grove Pa.

Toronto.

PRICES UNSTEADY.

Trade the past week has been quiet; stock is accumulating, and prices are unsteady. Excepting in American Beauty, roses are plentiful enough for all purposes. Carnations are overplentiful, while with bulbous stock there is a glut on.

NOTES.

A visit to his establishment found the genial J. H. Dunlop, with a vivid recollection of the many good things seen at the Washington exhibition; always enthusiastic, he has made arrangements to try some of the new varieties. A walk through the greenhouses found everything in the usual model appearance. Carnations are looking better than ever, and a heavy crop is on. Roses in the different varieties show great promise. Lilies, some of which are in bloom, stand out prominently.

The Gardeners' and Florists' Association held an enthusiastic meeting February 18. The Dale Estate exhibited some very fine Bridesmaid and Bride roses, large flowers and long stems. M. Adams, of Davisville, had some fine dwarf cinerarias; these were in 4½-inch pots and many of the flowers over two inches in diameter. Edward Dale gave a synopsis of the carnation meeting, reviewing the different varieties which appealed to him.

Early in the morning of February 18 fire broke out in the premises occupied by D. J. Sinclair, of Bay street, and before it was extinguished did considerable damage to the contents, very little of which escaped. Mr. Sinclair places his loss at $4,000, the insurance carried being $3,000. Business was demoralized for a few days, which will add to his loss.

Arthur Frost has a new myosotis, which came into bloom in October, and has lasted until the present. This is a seedling of his, and from its early flowering tendency should prove a money-maker.

Thos. Manton has gone east on a visit to Ottawa and Montreal. H. G. D.

Mrs. Potter Palmer 2½-in., $15.00 per 100; $125.00 per 1000; 3½-in., $150.00 per 1000.

	R. C. per 1000	2½-in. per 100	2½-in. per 1000	3½-in. per 1000
American Beauties	$27.50	$6.50	$60.00	$80.00
Maids, Brides	18.50	4.50	40.00	60.00
Uncle John	18.50	4.50	40.00	60.00
Richmond	18.50	4.50	40.00	60.00

Cardinal 2½-in., $15.00 per 100; $125.00 per 1000; 3½-in., $150.00 per 1000.

	R. C. per 1000	2½-in. per 100	2½-in. per 1000	3½-in. per 1000
Chatenay	18.50	4.50	40.00	60.00
Perles		5.00	45.00	65.00
Sunrise		5.00	45.00	
Killarney	35.00	6.00	55.00	75.00
Kaiserin	18.50	4.50	40.00	60.00

CARNATIONS.

	Rooted Cuttings per 100	2½-inch per 1000	per 1000
White Lawson	$2.00	$20.00	$35.00
Pink Lawson	2.00	20.00	35.00
Variegated Lawson	2.20	20.00	35.00
Red Lawson	2.00	18.00	32.00
Victory	3.00	25.00	40.00
Beacon	5.00	45.00	60.00
Welcome	5.00		
Winsor	5.00	45.00	60.00

In Season—	2½-in. Per 100	per 1000	3-in. per 1000
Smilax	$2.50	$22.00	$35.00
Asparagus Sprengeri	3.00	25.00	35.00

	Rooted Cuttings per 100	2½-incn per 1000	per 1000
Rose Pink Enchantress	3.00	25.00	40.00
Enchantress	3.00	25.00	40.00
White Enchantress	5.00	45.00	60.00
Aristocrat	5.00	45.00	60.00
White Perfection	4.00	35.00	50.00

We have an exceptionally large stock of the Lawsons, Victory, Winsor and Beacon.

Asparagus Plumosus, 6-in. stock for benching $15.00 per 100; $125.00 per 1000.
Chrysanthemums in season.
Price list mailed on application.

POEHLMANN BROS. CO., Morton Grove, Ill.

SALVIA ZURICH.
The Ever-Blooming Salvia.

Propagation from carefully selected stock; absolutely true and of even type, 2-in. $1.00 for 25, $3.00 for 100; $25.00 for 1000. Rooted cuttings $1.75 for 100; $15.00 per 1000.

J. L. Schiller, 929 Prouty Avenue TOLEDO, O.

Vinca, major variegata

Strong stock in prime condition. Rooted cuttings $1.00 per 100; $9.00 per 1000. 2½ in. $2.50 per 100; $22.50 per 1000, 3-in. $5.00 per 100. 4-in. $7.00 per 100.

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO

NEW NEW
RAMBLER ROSE
"NEWPORT FAIRY"

To be disseminated Spring 1908. Ask for illustrated pamphlet and prices.

JULIUS ROEHRS CO., Rutherford, N. J.

Alternantheras.

Strong rooted cuttings, red and yellow, 50c per 100, or $4.00 per 1000. **Brilliantissima** 60c per 100, or $5.00 per 1000.

DAVIS BROS., Morrison, Ill.

THE NEW .. CARNATION **AFTERGLOW**

WAS AWARDED A

Gold Medal by the Rhode Island Horticultural Society, at Providence, Nov., 1907. (Exhibited by Wm. Nicholson)

Craig Silver Cup by the Penn. Horticultural Society at Philadelphia. Nov., 1907. (Exhibited by Dailledouze Bros.)

First Prize by the St. Louis Horticultural Society at St Louis, Mo., Nov., 1907. Exhibited by The E. G. Hill Co.)

First Prize by the State Florists' Association of Indiana at Indianapolis, Nov., 1907. (Exhibited by the Originator.)

Scored the highest number of points of any seedling exhibited at the Toronto Exhibition of the A. C. S. Jan., 1907, after arriving 24 hours late from Framingham, Mass.

Aside from these honors, the fact that it has been grown successfully wherever it has been tried is the best proof of its commercial value. Orders now booked by the undersigned, to be filled in rotation for well grown, well rooted cuttings at

$2.00 per doz.; $12.00 per 100; $100.00 per 1000.

WILLIAM NICHOLSON, Framingham, Mass. — THE E. G. HILL CO., Richmond, Ind. — DAILLEDOUZE BROS., Flatbush, Brooklyn, N. Y. — R. WITTERSTAETTER Originator, Sta. F., Cincinnati, Ohio.

WINSOR AND WHITE ENCHANTRESS Immediate Delivery.

Rooted cuttings $6.00 per 100, $50.00 per 1000; from soil, $7.50 per 100, $60.00 per 1000; from pots, $9.00 per 100, $75.00 per 1000.

Satisfaction guaranteed. — WHITE BROS., Gasport, N. Y. — Try us.

Express Prepaid on all Rooted Cuttings and satisfaction guaranteed.

Salvias Bonfire, St. Louis...$1.00 per 100, $8.00 per 1000
Lantanas, 8 of the finest varieties, $1.25 per 100; $10. per 1000.
Coleus a grand collection (named) 70c per 100; $6.00 per 1000
Heliotrope, 10 best varieties... $1.00 per 100, $8.00 per 1000.
Daisies, California (White) Yellow Castle (Yellow), the finest of all daisies. $1.00 per 100; $8.00 per 1000.
Petunias, Dreer's and Henderson's .... $1.25 per 100; $10.00 per 1000.
Alternantheras, red, yellow and Brilliantissima from soil Sept. struck..70c per 100; $6.00 per 1000
Feverfew,....$1 25 per 100; $10.00 per 1000.
Vincas Variegated, $1.25 per 100; $10.00 per 1000.

C. HUMFELD, Clay Center, Kas.

Worcester, Mass.

Trade on St. Valentine's Day was very good and roses, carnations, violets and lily of the valley were much in demand. Violets had the call and everybody cleaned out early in the day. All the stores had special window displays, some of these very elaborate. Trade in general keeps up to last year's at this time and, in view of the general depression in business, is very encouraging. Tulips, narcissi and hyacinths are very plentiful and selling at a rather low figure. Carnations are very fine and of the new ones Beacon, Aristocrat and Winsor are making good. Roses are getting more plentiful and are making good money.

SOCIETY MEETING.

The meeting of the Worcester County Horticultural Society February 13, was ladies day. The speakers were Mrs. George S. Ladd of Sturbridge; Mrs. David S. Fiske of Grafton, and Mrs. Sarah E. Brown. After the speakers had finished, there was special music. Before introducing the speakers, President George Calvin Rice announced that at the meeting next week Kenyon L. Butterfield, president of the Massachusetts Agricultural College, will talk on "A Campaign for Rural Progress." Mrs. Ladd was the first speaker and was warmly received, her subject being "The Influence of Horticulture," Mrs. Fiske's was "Practical Horticulture." The last speaker was Mrs. Sarah E. Brown, chaplain of the grange. Her subject was "Esthetic Horticulture."

M. W. R.

SHAMROCKS.

Irish: The Real Thing: Green. Very fine and strong plants, ready now for delivery: perfect beauties. Per 100, $4 00; per 1000, $30.00. 60c per dozen, postpaid. Extras added.

THE HOME OF PRIMROSES. **JOHN F. RUPP, Shiremanstown, Pa.**

CARNATIONS

Good, Healthy and Well Rooted Stock.

WHITE	Per 100	Per 1000
White Enchantress	$6.00	$50 00
White Perfection	3.00	25.00
White Lawson	2.00	15.00
Lady Bountiful	2.00	15.00
Boston Market	2.00	15.00
Queen	2.00	15.00
PINK		
Enchantress	2.50	20.00
Rose P. Enchantress	3.00	25.00
Lawson	2.00	15.00
RED		
Cardinal	3.00	25.00
Victory	3.00	25.00

Lakeside Floral Company

HOUGHTON, MICHIGAN.

Nephrolepis Amerpohlii

For immediate delivery, Good strong plants from 2½-in. pots, $15.00 per 100.

JANESVILLE FLORAL CO., JANESVILLE, WIS.

Sprengeri, 2-in. 2c **Swainsonia alba,** 2-in., 2c. **Ferns,** Piersoni, Elegantissima, 2-in. 3c.
Rooted Cuttings prepaid per 100: **Flowering Begonias,** $1.25 per 100; **Paris Daisies,** yellow and white, $1.00 per 100; Alexandra $1.25. **Petunia,** double, 10 kinds $1.00: **Swainsona Alba,** $1.00. **Cuphea,** 75c. **Heliotrope,** 3 kinds $1.00, **Fuchsia,** 5 kinds, $1.25. **Vinca Variegata,** 90c. **Hardy Pinks,** 5 kinds, 75c. **Alternanthera,** 3 kinds, 50c. **Coleus,** 10 kinds. **Ageratum,** Gurney, Pauline, White. Inimitable, 60c. **Alyssum,** dbl. 75c **Salvia,** Bonfire. Splendens, 90c. **Feverfew,** Gem, $1.00. **Parlor Ivy,** 75c. **Cabbage Plants,** Wakefield, Express, Winningstadt, 50c per 100.

Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

Neph. Whitmani

2¼-inch.....$ 5.00 per 100
3½-inch..... 25.00 per 100

Boston Ferns 2¼-inch, $3.00 per 100.

Henry H. Barrows & Son, WHITMAN, MASS.

ARAUCARIAS.

Nice plants from 5-in. pots, 4 to 5 tiers

60c each; $5.50 per dozen.

The Conard & Jones Co. WEST GROVE, PA.

LARGEST STOCK OF ALL

Belgian Plants.

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

Louis Van Houtte Pere, GHENT, BELGIUM.

Gladiolus-

STRICTLY FIRST SIZE BULBS.

	Per 100	1000
Princeps, medium	$9 00	$
Mrs. Francis King, best scsarlet for florists' use	4 00	30 00
America, fine pink	7 50	60 00
Augusta, pure white. blue anthers	2 00	17 00
Brenchleyensis, intense scarlet	1 45	12 00
Ceres, pure white. spotted purplish rose	1 45	12 50
Madam Moneret, delicate rose color.	1 75	15 00
May, oure white, flaked rosy crimson	1 75	15 00
"1900." a very rich shade of red	2 50	
Shakespeare, pure white, blotched pink and violet	4 25	38 00
Florist Mixture, made from named light and white varieties: comprises best there is in Gladiolus	1 75	15 00

VAUGHAN'S SEED STORE
CHICAGO. NEW YORK.

CANNAS

Austria, Allemania, Alsace. Bouvier, Capt. Drugeon, C. Henderson. J. D. Eisele. Florence Vaughan Kate Gray. Pres. Viger. Pennsylvania, Pres Meyer. Souv. de Ant. Crozy. $2.50 per 100; $20 00 per 1000. David Harum, $4.00 per 100; $35.00 per 1000. Egandale (3 in. pots only). $5.00 per 100 King Humbert. the king of all Cannas an extra large stock from strong 4-in. pots, $25.00 per 100.

Boston Ferns, Scottii. Elegantissima and Whitmanii. we have many thousand to offer from 2¼- to 4-in. at rock bottom prices. Can offer special bargains in R. C. **Beacon Carnations.** Write us for special prices.

W. W. COLES, Kokomo, Ind.

NEW PLANTS

GLADIOLUS Lemoinei and Nancianus.

V. LEMOINE & SON, Nancy, France.
Catologues on application.

Gladioli....

Write for 1908 trade list of Named Varieties, Color Sections and Choice Mixtures. First-class stock at reasonable prices:

E. E. STEWART, RIVES JUNCTION, MICH.

A Loam Query.

ED. AMERICAN FLORIST:—

Please tell us what is meant by the terms "turfy loam" and "fibrous loam," so often used in directions for potting. P. F.

We would think the terms were so plain that they could not well be misunderstood. Turfy loam means simply loam from rotted turf or sod, while fibrous loam denotes loam with plenty of fiber from the decaying grass roots in its composition. G.

Hot Water Heat for Roses.

ED. AMERICAN FLORIST:—

Can roses be successfully grown in houses heated by hot water? T.

Certainly; as long as the temperature is kept right it does not matter whether the heat is from hot water or steam, though, of course, the latter is more used for large greenhouses.

G.

Protection of Banana Fruits.

A regulation has been passed by the Queensland (Australia), department of agriculture, providing that all bananas intended for export to Victoria shall be covered with fine cloth netting for three weeks prior to plucking the bunch. This has been found, by experiment, to be an effective protection against the Queensland fly, which when introduced works serious ravages in all orchards. This regulation harmonizes with the Victorian state regulation, which forbids importation of bananas from the tropics, unless they have been so protected.

Dracena Indivisa, 4-in....$ 2.00 per doz.
" " 5-in.... 3.00 "
" " 6-in.... 6.00 "
" " 7-in.... 9.00 "
" " 8-in.... 12.00 "

DAHLIAS

are becoming more and more popular every season for cut flowers, and every florist should plant liberally of these plants in the spring. By ordering now plants can be propagated in greenhouse.

Single Dahlias.

	Clumps Per 100	doz.
J. Cowan, fine scarlet	$ 6 00	1 00
Fashion. crimson maroon	6 00	1 00
Jno. Downie, crimson	6 00	1 00
Sunningdale, blush white	6 00	1 00
Lustre, cheerful rosy pink, shading to blush at centre	6 00	1 00

Cactus Dahlias.

	Clumps Per 100	doz.
Mrs. A. Beck, twisted petals, rich salmon red with scarlet reflex	$ 6 00	$ 1 00
Prof. Baldwin, cardinal red	6 00	1 00
Countess of Lonsdale, a peculiar but pleasing blending of salmon, pink and amber a color difficult to describe	10 00	1 50
Kriemhelde, pink, shading to white at center	10 00	1 50
F. Bartels bright scarlet	10 00	1 50
Miss A. Nightingale, bright red shading to golden yellow at center	10 00	1 50

Show Dahlias.

	Clumps Per 100	doz.
A. D. Livoni, a pure quilled pink	$10 00	$ 1 50
Camilla Alba, pure white dwarf and bushy	10 00	1 50
One lot of good varieties of all kinds mixed	3 00	50
One lot mixed yellow	00	50

Decorative Dahlias.

	Clumps Per 100	doz.
Oban, rosy lavender	$10 00	$ 1 50
Iridescent vivid red tipped with blue	10 00	1 50
Sylvia, pink white to center	10 00	1 50
Lancelot, bright scarlet	6 00	1 00
Mrs. Geo. Reed, purple with white tint	6 00	1 00

The Geo. Wittbold Co., 1657 Buckingham Place, Chicago.

Stock YOU NEED NOW.

Cannas. We have a large list of standard varieties including Chas. Henderson, Crimson Bedder, Beaute Poitevine, Florence Vaughan, Queen Charlotte, Souv. de Antoine Crozy, etc.; strong two-eye divisions.....$3 00 per 100; $25.00 per 1000

Dahlias. (Field-grown roots.) Wm. Agnew, Countess of Lonsdale, Nymphæa, Mrs. Wellesley, Admiral Dewey, A. D. Livoni and Fern Leaf Beauty..... $5.00 per 100 Grand Duke Alexis and Kriemhilde..... 7.00 per 100

Marguerites. Queen Alexandra, $3.00 per 100 Coronation..... 3.00 per 100

Boston Ferns. Plants well established, in 2½-inch pots $4.00 per 100; $30.00 per 1000.

Small Ferns. For Dishes. .....$2 50 per 100

Asparagus Plumosus Nanus.
2½-inch pots, $3.00 per 100; $25.00 per 1000.

GERANIUMS. Per 100
A. H. Trego, John Doyle, S. A. Nutt, Berthe de Pressily, Mme. Barney.....$2 50
Our choice of varieties, in pink, red and white 2.00

BEGONIAS.
Marjorie Daw, Thurstoni, Metallica, Rubra and Argentea Guttata..... 4.00
Tuberous Rooted, Single, in named colors, white, pink, scarlet, crimson and yellow....$3.00
Mixed..... 2.50
Tuberous Rooted, Double, in named colors, white, pink, scarlet, crimson and yellow.... 5.00
Mixed..... 4 00

Bougainvillea Glabra Sanderiana.
2½-inch, $4.00 per 100; 4-inch, ready to bloom.....$20.00 per 1000

Boxwood. Pyramids, 36 inches high, ...$1.75 each

Boxwood. Bush form, very heavy, 30 to 36 inches high.....$2.00 each.

Rhododendrons. Short, well formed plants for pots, full of buds,
18-inch size.....$ 9 00 per dozen
24-inch size..... 12.00 per dozen

Azalea Mollis Bushy plants, full of buds and easy to force,
12 to 15 inches high.....$25.00 per 100
15 to 18 inches high..... 35.00 per 100

Kentia Palms in all sizes.

Latania Borbonica. 7-inch pot plants, 5 to 6 leaves, 18 to 20 inches high, 75c each: 8-inch pot plants, 6 to 7 leaves, 20 to 22 inches high.....$1.25 each

THE STORRS & HARRISON CO., Painesville, Ohio

10,000
Dbl. Red Geraniums

Best bedders, 2½-in. $3.00 per 100; $25.00 per 1000. Send for samples. Good, strong plants. **MUST HAVE ROOM.**

SCHMAUS BROS., Paducah, Ky.

PANSY PLANTS.

	Per 1000	100
Giant Flowering	$ 2.50	.50
Coleus, 10 varieties, 2¼-in. pots		2.00
Canna, C. Henderson, dry bulbs		2.00
Geraniums, 10 vars., 2½-in. pots	25.00	3.00
Vinca, Variegated, 2¼-in. pots		2.50

—CASH.—

JOS. H. CUNNINGHAM, Delaware, O.

DREER'S FINE FERNS

We offer in particularly nice shape at the present time:

Cyrtomium Falcatum	Pteris Cretica Alba Lineata
Cyrtomium Fortunei	Pteris Cretica Magnifica
Davallia Stricta	Pteris Wimsetti
Dicksonia Antarctica	Pteris Wimseti Multiceps
Lastrea Chrysoloba	Pteris Mayii
Lastrea Opaca	Pteris Hastata
Onychium Japonicum	Pteris Ouvrardi
Pteris Adiantoides	Pteris Serrulata Cristata
Pteris Argyrea	Pteris Tremula
Pteris Wilsoni	Pteris Victoriæ

also Extra Choice Mixed varieties. All the above from 2 1-4-inch pots, $3.50 per 100; $30.00 per 1000.

Pteris Adiantoides	Pteris Ouvrardi
Pteris Cretica Alba Lineata	Pteris Wilsoni
Pteris Mayii	Pteris Wimsetti Multiceps
Pteris Magnifica	Lastrea Opaca

also Extra Choice Mixed Varieties. All the above from 3-inch pots, $6.00 per 100; $50.00 per 1000.

FOR GROWING ON.

Adiantum Croweanum. Unquestionably the best of all the Adiantums to grow for cutting; always in good demand and at profitable prices; a good lot of 3-inch pots. $15.00 per 100; $140.00 per 1000.

Nephrolepis Whitmani. A fine lot of this very useful plume variety, 2¼-inch pots, 75c per doz.; $5.00 per 100; $40.00 per 1000.

Nephrolepis Bostoniensis. A large stock of this popular variety, 2¼-inch pots, 60c per doz.; $4.00 per 100; $35.00 per 1000.

Nephrolepis Todeaoides. This English introduction is unquestionably the best of the plume varieties for growing into large specimens. 2¼-inch pots, 30c each; $3.50 per doz.; $25.00 per 100. 4-inch pots, 50c each; $5.00 per doz.; $40.00 per 100.

Nephrolepis Amerpohli. The most graceful of the Nephrolepis; beautiful, fine divided foliage; especially fine for growing in 5 and 6 inch pans; 2¼-inch pots, 35c each; $3.50 per doz.; $25.00 per 100; $200.00 per 1000.

Fern Flats. The following varieties are still in stock in good condition; potted up now they will make good spring selling plants:

Cyrtomium Falcatum,	Pteris Cretica Alba Lineata,
Pteris Mayii,	Pteris Harrisoni,
Pteris Serrulata Cristata,	Pteris Wimsetti Multiceps.

About 200 plants in a flat, $2.00 per flat.

HENRY A. DREER, 714 Chestnut Street, Philadelphia, Pa.

APPLE GERANIUMS...

Strong 2½-in. $4.00 per 100.

TUBEROSES, double Pearl,

1st size, $6.00 per 1000 2nd size, $3.00 per 1000

Cash with order.

BAKER BROS. CO., Ft. Worth, Texas.

GERANIUMS

ROOTED CUTTINGS.

All engaged until early in March. Will have a big lot then. Send for list and place your order if wanted at that date.

ALBERT M. HERR, Lancaster, Pa.

GERANIUMS

Our New Illustrated Catalogue mailed to the trade.

An immense stock of plants in 2-inch pots, ready for immediate shipment..... $2.00 per 100 up to $1.00 each

Our selection of 20 good varieties..... $18.50 per 1000

New varieties 1905 6 introduction, one plant each of 50 kinds..... $ 5.00

1907 Novelties, Bruant's, Cannell's, Boucharlet and Lemoine introduction, one each of 50 kinds..... 10.00

	Per 100
Pelargoniums, strong plants from 3-in. pots	$6.00
Ivy Leaved Geraniums. We have a surplus of about 10,000 in 3 kinds, white, red and light pink, in good strong plants which we offer at $2.00 per 100, to move them quick, as long as the surplus lasts.	
Dahlia Roots, 100 varieties, whole field clumps	5.00
Hardy Chrysanthemums, 75 varieties	$2.00 to 3.00
Alyssum, Giant double	2.00
Cuphea, Cigar plant	2.00
Coleus, Verschaffeltii, Golden Bedder, and other kinds	2.00
Fuchsias, Black Prince and Minnesota	2.00
Lieutenant Muritz, White and Rose Phenomenal	2.50
Hardy English Ivy, extra strong	$15 00 per 1000 2.00
Hollyhocks, strong 3-in. pot plants, dbl. white, pink, red and yellow	3.00
Lantanas, 5 varieties	2.00
Lobelia, Crystal Palace Gem	2.00
Panicum, Variegated, handsome basket plants	2.00
Tradescantia, dark variegated	2.00
Verbena, red, white purple and pink	2.00
Caladium Esculentum, first size	2.00
Second size	1.00
Lavender, 2½-in. pots, strong	3.00
Swainsona alba	2.00

Visitors always welcome. Cash with order.

R. Vincent, Jr. & Sons Co., WHITE MARSH, Balto Co., MD.

Roses on Solid Beds.

ED. AMERICAN FLORIST:—

Can roses be successfully grown on solid beds heated from the walk? T.

Yes; many thousands are grown this way, but beds with drain-pipes run across them to allow the heat to circulate underneath the soil are preferred. G.

The Spineless Cactus.

Santa Rosa, Cal., Jan. 28.—Luther Burbank declares it is foolishness to say his spineless cactus is not a success, and says the government bulletin was issued because the experts are piqued that he beat them five years in the development of cactus. He further declares the cactus is far too valuable to have been given a thorough trial and says it is perfect nonsense to talk about it not thriving.

The Spineless Cactus Co., organized under the laws of Arizona and capitalized at $500,000, purchased the California rights and is testing plants on the desert at Indio. It has five varieties and reports to Burbank that the plants are doing wonderfully well and that during the present winter they have made a marvelous growth.

These plants are guarded by men with shotguns and dogs and surrounded by heavy barbed wire fences. These plants will be put on the market next summer. The German consul in San Francisco is negotiating at present with Burbank to introduce the cactus into Germany's African possessions. Burbank says the cactus will produce 20 tons of fruit to the acre after three or four years' growth. Next year Burbank will sell his fruit. This year none was sold, but each seed of the fruit eaten was saved. Burbank declares his spineless cactus a "dead sure success."

Berkshire Petunia

A fine, free flowering, fringed pink double Petunia. Flowers measuring 3 inches across; a most valuable acquisition, with no "fancy" price attached.

ROOTED CUTTINGS,
$2.50 per 100; $20.00 per 1000; 500 at 1000 rates,

Stock grown at and sent from Pittsfield, Mass.

S. S. SKIDELSKY
1731 N. 18th St., Philadelphia, Pa.

A FEW GOOD THINGS YOU WANT.

Asparagus Sprengeri, 2-in., $2.50 per 100; 3-in., $5.00 per 100. Seedlings, $1.00 per 100.
Geraniums, S. A. Nutt, John Doyle, Perkins, Ricard, Double Gen. Grant, 2-in. pots, $2.50 per 100; Rooted Cuttings, $1.25 per 100. E. H. Trego, Castellane, Poitevine, Viaud, 2-in. pots, $3.00 per 100; rooted cuttings, $1.50 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100; 3-in., $5.00 per 100.
Boston Ferns, 5-in., 30c each.
Vinca Var., 2-inch, $2.00 per 100.
Dracena Indivisa, 2-in. $3.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the Express Companies properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

SPECIAL We offer this week:

	Per 100
400 Arg. Guttata **Begonias**, 2½-in.	$3.00
400 Dew Drop and Erfordia, 2 to 2½-in.	3.00
100 Rubra, 2½-in.	3.50
1000 assorted, 6 to 10 varieties, 2 to 2½-in.	2.50
2½-in. **Petunias**, fine double fringed, 3 vars.	2.50

Write us at once in regard to **Hydrangeas, Lilies, Azaleas**, etc. Ask for our spring list.

Special Values in Bostoniensis Ferns.

5000 2½-in., worth $5 00, for	$ 3 50 per 100
1000 4-in., worth $15 00, for	12.50 per 100
1000 5-in., worth 25 00, for	22.50 per 100
1000 6-in., worth 50 00, for	37.50 per 100

This special is for cash, and satisfaction guaranteed or money refunded. Ask for our complete list of **Ferns** and **Soft Wooded Plants**. Price good until Feb. 5, unless sold out before.

GEO. A. KUHL, Wholesale Grower. **Pekin, Ill.**

Asparagus Sprengeri.

ED. AMERICAN FLORIST:—

When should I sow Asparagus Sprengeri and how many fronds per plant should I cut?

SUBSCRIBER.

Sow seed at once. The amount that can be cut from each plant depends on the treatment the plants receive. About 20 fronds would be a fair average. Look up our issues of August 17 and May 4, 1907, for the culture of this plant. B.

Shamrock for St. Patrick's Day.

ED. AMERICAN FLORIST:—

Please let me know how shamrock is grown and sold on St. Patrick's Day. What size should the plants be and what prices do they bring? Mine are in 2-inch pots and are growing well. Will they be in time? J. L.

Shamrocks, in most cases, are saleable when well grown in 2-inch pots. Where larger plants are in demand they are grown in 3-inch pots, or in pans and boxes. Many shamrocks are cut for wearing, either the longest sprays or even the entire plant is cut just above the soil in the pots. A plant about four inches across is the best for general sales, though many large specimen plants are wanted. They grow very rapidly once well established in the 2-inch pots. Prices vary, the most prevailing price is 10 cents for a good and shapely plant. J. F. R.

PREPARE FOR EASTER

Araucarias, Azaleas and the Cultivation of Choice Easter Plants Our Specialties.

Never mind hard times. Look for a big Easter trade. Secure your supply early. All our houses are full to their utmost capacity with the choicest plants in **bud.** Just right for Easter—in fine condition; finer than ever before. With a little forcing they can be brought into bloom at any time, according to your requirements.

Araucarias Robusta Compacta and **Glauca,** a perfect marvel and wonder of nature. We are one of the heaviest importers and cultivators of this beautiful decorative plant. Our plants are about the same in height as in width.

Robusta Compacta, 7-in. pots, specimen plants, 6-year-old, 5 tiers, 27 to 30 in. high, $2.00 to $2.50 each.

Excelsa Glauca, specimen 7-in. pots, 6-year-old (the fine bluish-green color makes or gives this variety a fine, striking appearance—sells at sight), 30 to 40 in. high, 4, 5 and 6 tiers, $1.50, $1.75, $2.00, $2.50 to $3.00 each.

Araucaria Excelsa, 6-in. pots, 4 to 5 years old, 20 to 25 in. high, 4, 5 and 6 tiers. 75c to $1.00 each; 5¼-in. pots, 3 years old, 3 to 4 tiers, 7, 8, 10 to 14 in. high, 40c to 50c each.

Azalea Indica. We make a specialty of importing every year an immense stock of the choicest varieties popular in America, grown under contract for us by an Azalea specialist in Ghent, Belgium. If you need Azaleas, don't look around in vain all over the country for bargains, but come or write direct to us. We will be able to supply you with the best obtainable in the American market; full of buds; in good, healthy condition, right for Easter; all planted in October or November in 6 to 7-in. pots.

☞ **Take Notice.** We do not sell Azaleas in the fall, having the best picked out (and having the rubbish left for Easter), but we keep them all full of buds for our customers for Easter. Mme. Van der Cruyssen (2,500 of them), this is the best double pink variety known to the market, round as an apple, covered with buds; Simon Mardner (dbl. pink), Vervæneana (variegated dbl. rose), Bernard Andreas Alba (dbl. white), Niobe (dbl. white), Deutsche Perle (dbl. white), Empress of India (dbl. variegated), Professor Wolters, and about six more varieties. Price: 6-7-in. pots, 60c, 75c, $1.00, $1.25, $1.50, $1.75 to $2.00 each.

Kentia Belmoreana and **Forsteriana,** Belgium and home-grown stock, 4-in. pots, 18 to 20 in. high, 35c; 5¼, 5½ and 6 in. pots, bushy plants, 50c, 60c and 75c each.

Latania Borbonica, 5-in., 30c.

Asparagus Plumosus Nanus Compacta, 4-in. pots, $10.00 per 100.

Dracena Bruanti, from Belgium, full of green foliage from bottom to top, 6-in. pots, 22 to 25 in. high, 40c each

Cineraria Hyb., 4-in., 10c; 5-in., 20c; 6-in., $3.00, $4 00 to $5.00 per doz.

Choice Nephrolepis, all pot-grown.

Boston Ferns, 8-in., as big as a washtub, $1.25 to $1.50 each; 7-in., $1.00; 6-in., 50c; 5 to 5½-in., 35c to 40c.

Whitmani Ferns, 8-in., $1.50; 6-in., 50c.

Scottii Ferns, 7-in., $1.00 to $1.25; 6-in., 50c; 5½-in., 40c.

In Philadelphia there's a florist noted,
Aschmann his name, his plants beyond compare;
To a sweet girl his heart is all devoted,
Next rank his Araucarias, passing fair;
When seen together they're a pair so charming—
Brimful of beauty—both he cannot keep;
So to his heart he'll hold his winsome darling,
While you may have the Araucarias cheap.

Ficus Elastica or **Rubber Plant,** home grown and Belgium stock, 5, 5½, 6 and 7 in. pots, 30c, 35c, 50c, 60c and 75c each.

Begonia Improved Erfordii, 4-in pots, very large, $2.00 per doz.; 5¼-in., in bloom and bud, 25c each, or $3.00 per doz. **Begonia Flambeau,** 5½-in. pots, sells on sight, 25c.

Cyclamen Grandiflora, 4-in., in bud and bloom, 20c.

Hydrangea Otaksa, 6 to 7-in. pots, in bud, 35c, 50c, 75c and $1.00 each; right for Easter.

EASTER LILIES. Japan Multiflorum, of our own importation, raised from special 10-in. bulbs, 6-in. pots, right for Easter. This year I can say we have the finest lot we ever had. Have about 5,000 to offer. Please send your order in time this year, as we have such a big demand every year for Lilies that some cannot be supplied. Prices as usual. Plants above 5 buds, 10c; plants under 5 buds, 12c per bud. (Medium height).

Spirea Gladstone, 6 to 7-in. pots, large stock, right for Easter, in bud now, 50c to 75c.

Watch adv. for Hyacinths, Tulips and Daffodils later on.

Please mention if in or out of pots All goods must travel at purchaser's risk. Cash with order, please

GODFREY ASCHMANN, 1012 West Ontario Street, **Philadelphia**
Importer, Wholesale Grower and Shipper of Pot Plants.

CANNAS.

	Per 100	1000
King Humbert	$15 00	$
David Harum	2 75	25 50
Elizabeth Hoss	4 00	35 00
Queen Charlotte	2 00	17 50
Buttercup	5 00	
Alsace	3 00	
Allemania	1 75	15 00
Pennsylvania	2 25	20 00
Kate Gray	2 50	22 50
Egandale	$3 00	$27 50
Discolor	1 50	12 50
Florence Vaughan	2 50	22 50
L. Patry	1 75	15 00
Coronet	4 50	40 00
Mont Blanc	10 00	
Burbank	1 75	15 00
Mlle. Berat	2 00	17 50
Fine mixed	1 25	10 00

DAHLIAS

Earl of Pembroke	Per 100, $5 00
A. D. Livoni	Per 100, 5 00
Maid of Kent	Per 100, 5 00

Horse Radish Sets, from $3 00 to $5.00 per 1000.

We have 10 acres of **Perennials,** a very choice assortment, ask for decriptive list.

THE MOSBÆK GREENHOUSE CO., ONARGA, ILL.

It is good business policy to mention the *American Florist* .....when writing to an advertiser

ROOTED CUTTINGS. Prepaid per 100. Heliotrope German Ivy, 75c; Alternanthera 50c; Coleus, Ageratum, 60c; Salvia, 85c. Giant Marguerite Daisy, yellow, Fuchsia, $1.00 Mad. Salleroi, Ger. $1.25. Cash. List Free.
SHIPPENSBURG FLORAL CO. Shippensburg, Pa

Boston Ferns.

Nephrolepis Exaltata Bostoniensis.

	Each.	Per doz.	Per 100.
2½ in. pot plants		$ 0.60	$ 5.00
3-in. pot plants		1.50	10.00
4-in. pot plants		2.50	20.00
5-in. pot plants	$ .40	4.00	30.00
6-in. pans plants	.75	6.00	50.00
7-in. pans plants	1.00	9.00	75.00
8-in. pans plants	1.50	15.00	.....
9-in. pans plants	$2.00 to $2.50	.....	.....
10-in. pans plants	3.00 to 3.50	.....	.....
12-in. pans plants	4.00 to 5.00	.....	.....

NEPHROLEPIS WHITMANI.

The Improved Elegantissima.

We have an immense stock of this beautiful fern in all sizes.

	Doz.	100.
2-in. pots	$ .60	$ 4.00
2½ in. pots	.75	5.00
3-in. pots	1.50	10.00
4-in. pots	2.50	20.00
5-in. pots	4.00	40.00
6-in. pots	6.00	50.00
7-in. pots	9.00	
8-in. pots, each	$1.50 to $2.00	

NEPHROLEPIS AMERPOHLII.

	Per doz.	Per 100.
2-in. pots	$ 2.50	$20.00
2½ in. pots	3.50	25.00
3-inch pots	4.00	30.00
4-inch pots	5.00	40.00

ASPARAGUS PLUMOSUS NANUS.

We Are Headquarters.

	Per 100.	1,000.
2-in. pots, strong, ready for a shift	$ 3.00	$ 25.00
3-in. pots, strong, ready for a shift	7.00	65.00
4-in. pots, strong, ready for a shift	12.00	100.00
5-in. pots, strong, ready for a shift	20.00	175.00

	Per doz.
Areca Lutescens, 4-in., 3 plants in pot	$ 3.00
Kentias and Phoenix, in all sizes, send for list.	

	Per 100.
Dracaena Indivisa, 4-in. pots	$12.00
Dracaena Indivisa, 5-in. pots	20.00
Dracaena Indivisa, 6-in. pots	40.00
Latania Borbonica, strong seedlings from flats	2.00
Latania Borbonica, 3-in. pots	6.00

Dormant Roses

FOR EASTER FORCING.

2-year old Budded Roses, per doz., $2.00; per 100, $15.00.

American Beauty Kaiserin — Paul Neyron
La France — Soleil d'Or — Gruss an Teplitz
Frau K. Druschki and Hermosa.

The following kinds, 2-year old Budded, per doz., $1.50; per 100, $11.00:

Anna de Diesbach — Fisher Holmes — Magna Charta
Ball of Snow — Gen. Jack — M. P. Wilder
Capt. Christy — Mad. C. Testout — Mrs. J. Laing.
Ulrich Brunner and many other kinds.

	Per 100.
Crimson Rambler, 2-yr., home grown for Easter forcing	$15.00
Crimson Rambler, 2-yr., strong imported stock	12.00
Dorothy Perkins, 2-yr., home grown for Easter forcing	12.00
Lady Gay, 2-yr., budded stock	20.00
Philadelphia Rambler, 2-yr., home grown	12.00
Baby Ramblers, 2-yr., extra strong budded	20.00
Baby Ramblers, 2-yr., No. 1, budded	16.00
Baby Ramblers, 1-yr., selected, No. 2, grafted	10.00
White Baby Rambler, 2 1-2 in.	10.00
Red Kaiserin, 2-yr. dormant	25.00

CARNATIONS—ROOTED CUTTINGS.	Per 100.	Per 1,000.
Afterglow, 2-in. pots	$12.00	$100.00
Andrew Carnegie, 2-in. pots	12.00	100.00
Defiance, 2-in. pots	12.00	100.00
Sarah Hill, 2-in. pots	12.00	100.00
Winona, from sand	12.00	100.00
White Enchantress, ready Feb. 15th	6.00	55.00
White Perfection, ready Feb. 15th	3.50	30.00
Lady Bountiful, from soil	3.00	25.00
Beacon, ready Feb. 15th	6.00	50.00
Red Chief, ready Feb. 15th	5.00	40.00
Red Riding Hood, from soil	5.00	40.00
Victory, ready Feb. 15th	3.00	25.00
Robt. Craig, ready Feb. 15th	3.00	25.00
Aristocrat, ready Feb. 15th	6.00	50.00
Pink Patten, ready now	2.50	20.00
Mrs. T. W. Lawson, ready now, soil	2.00	15.00
Winsor, 2-in. pots	6.00	50.00
Rose Pink Enchantress, from soil	4.00	30.00
Melody, ready Feb. 15th	3.00	25.00
Enchantress, from soil or sand	3.00	25.00
Mrs. Patten, from soil	2.50	20.00

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Greenhouses and Nurseries: Western Springs, Ill.

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In introducing this new variety to the trade I wish to state that I have been growing it in quantity for the past two years and do not hesitate to state that it is entirely distinct a strong grower a free bloomer and the finest single violet in cultivation. Ready for distribution in April and May. Orders booked now. **$2.00** per doz.: **$12.00** per 100; **$100.00** per 1000. 500 at 1000 rates.

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Do you load it at the muzzle
When you want a shot or two?
Do you wind it with a watch key
Like your father used to do?

How'd you like to hop a horse-car
Like you did long years ago?
Don't the auto beat the ox cart?
Well, I rather reckon so.

Do you argue that an hour-glass
Beats a Waltham all to smash?
Do you use the same old system
Keepin' books and countin' cash?

Do you trim a goose-quill neatly
When you want the ink to flow?
Don't you think there's been improvement
In the last decade or so?

Tell us, are you advertising
In the same old foolish way
That your grand-dad did before you,
And persist, "It doesn't pay?"

Think the whole world knows your address?
"'Cause it hasn't changed in years?"
Wouldn't the pathos of such logic
Drive a billy goat to tears?

"Just a card" is all you care for,
Hidden, lonesome, and unread,
Like the sign upon a tombstone
Telling folks that you are dead.

Wake up, man, and take a tonic,
Bunch your hits and make a drive,
Run a page and change your copy,
Advertise and keep alive!

—Southern Engineer.

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PERFECTLY HEALTHY—NO RUST.

ROOTED CUTTINGS, our selection.....$0 75 per 100; $ 6 00 per 1000
PLANTS, our selection, 2¼-inch pots..... 2 50 per 100; 20 00 per 1000

ROOTED CARNATION CUTTINGS Clean and Healthy...

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White Perfection	$6 00	$50 00
White Enchantress	6 00	50 00
Lady Bountiful	3 00	25 00
My Maryland	3 00	25 00
The Queen	2 00	17 50
Queen Louise	2 00	17 50
Flora Hill	1 50	12 00
RED VARIETIES.		
Cardinal	$3 00	$25 00
Robert Craig	3 00	25 00
Flamingo	2 50	20 00
Crisis	2 00	17 50
Portia	1 50	12 00
Governor Roosevelt	2 00	17 50
Harlowarden	2 00	17 50

PINK VARIETIES.	Per 100	Per 1000
Enchantress	$3 00	$25 00
Mrs Thomas Lawson	2 00	17 50
Dorothy	1 50	12 50
Mrs E A. Nelson	1 50	12 00
William Scott	1 50	12 00
Mrs. Francis Joost	1 50	12 00
YELLOW VARIETIES.		
Golden Beauty	$2 00	$17 50
Buttercup	2 50	20 00
Eldorado	2 00	17 50
VARIEGATED VARIETIES.		
Jessica	$3 00	$25 00
Mrs. M. A. Patten	2 50	20 00
Judge Hinsdale	2 50	20 00

60,000 Grafted Roses for Forcing THE FINEST GROWN.

Orders booked for delivery in April, May and June.

	Per 100		Per 100
Chatenay, Killarney, Richmond, Liberty, La France, rose pots	$15 00	Bride, Bridesmaid, Golden Gate, Kaiserin, rose pots	$10 00
3½-inch pots	18 00	3½-inch pots	15 00

OWN ROOT ROSES.....$9 00 and $7 00 per 100

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J. L. DILLON, Bloomsburg, Pa.

LOS ANGELES, CAL.—In connection with the proclamation of Mayor A. C. Harper designating March 7 as Arbor Day, City Forester E. J. Harper is making preparations to have 200,000 trees planted in this city on that date. The city forester proposes to organize all the improvement associations of the city in one civic organization, to assist in making Arbor Day a success.

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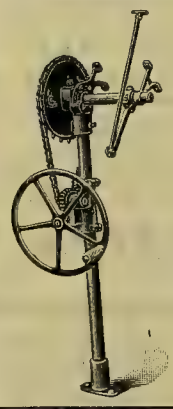

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Alternantheras, R. C., red and yellow, 50c per 100; $4 per 1,000. Brilliantissima, 60c per 100; $5 per 1,000. Davis Bros., Morrison, Ill.

Alternantheras, 3 kinds, 50c. Byer Bros., Chambersburg, Pa.

ALYSSUMS.

Alyssum, giant and dwarf, R. C., $1 per 100; 2¼-in., $2.25 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Alyssum, giant double, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Alyssum, dbl., 75c. Byer Bros., Chambersburg, Pa.

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Ampelopsis Veitchii, strong, well rooted plants, 20 to 30-in. tops, well graded, $2.50 per 100; $20 per 1,000; 1-year-old for transplanting, 12 to 24-inch, $1.50 per 100; $12 per 1,000; 2,000 for $20. For sample send 25c, which will be credited on the first order. Charles Black, Hightstown, N. J.

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Araucarias, Robusta and Excelsa, 6 to 7-in., 4 to 5 tiers, 28 to 40 ins., $3; 6-in., 4 to 6 trs., 25 to 28 ins., $2.50; 6-in., 3 to 5 trs., 20 to 25 ins., $2; 6-in., 3 to 4 trs., 18 to 20 ins., $1.50 and $1.75; 6-in., 3 to 4 trs., glauca only, $1.25. Excelsa, specimens, 6 to 7 in., 5 to 6 trs., 25 to 30 ins., $1.50; 6-in., 5 trs., 22 to 25 ins., $1; 6-in., 4 to 5 trs., 20 to 22 ins., 75c; 5½-in., 3 to 4 trs., 12 to 16 ins., 50c and 60c; 5¼ in., 2 to 3 trs., 40c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Araucarias, 5-in., 4 to 5 tiers, 60c each; $5.50 per doz. Conard & Jones Co., West Grove, Pa.

Araucarias. L. Van Houtte, Ghent, Belgium.

ASPARAGUS.

Asparagus plumosus, 2-in., strong, $3 per 100, $25 per 1,000; 3-in., strong, $7 per 100, $65 per 1,000; 4-in., strong, $12 per 100, $100 per 1,000; 5-in., strong, $20 per 100; $175 per 1,000; strong seedlings, ready to pot, $1.25 per 100; $10 per 1,000. Vaughan's Seed Store, Chicago and N. Y.

Asparagus plumosus, 2½-in., $3.50 per 100; $30 per 1,000; 3-in., 6c; 3½-in., 10c; 4-in., 12c; 5-in., 20c; 6-in., 30c. Comorensis, 2-in., 2c; 2½-in., 3c; 3½-in., 6c. Sprengeri, 2½-in., 3c; 3½-in., 8c; 4-in., 10c. J. W. Dunford, Clayton, Mo.

Asparagus plumosus, 2-in., $2.75 per 100; $25 per 1,000; seedlings, $1.25 per 100; $9 per 1,000. Wm. F. Kasting Co., Buffalo, N. Y., or Erie Floral Co., Erie, Pa.

Asparagus plumosus, 3-in., $7 per 100; $60 per 1,000; 2¼-in., $4 per 100; $35 per 1,000. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Asparagus plumosus, 2½-in., $3 per 100; $25 per 1,000. Storrs & Harrison Co., Painesville, O.

Asparagus plumosus, extra strong 3-in., $25 per 1,000. Mosbæk Greenhouses, Onarga, Ill.

Asparagus plumosus, 3-in., $7 per 100; 4-in., $10. G. Aschmann, 1012 W. Ontario St., Phila.

Asparagus plumosus, 2¼-in., $3.50 per 100; $30 per 1,000. W. H. Elliott, Brighton, Mass.

Asparagus plumosus, 3-in., $5 per 100. Buffalo Cut Flower Co., Buffalo, N. Y.

Asparagus Sprengeri, 2½-in., $3 per 100; $25 per 1,000; 3-in., $35 per 1,000; Plumosus, 6-in., for benching, $15 per 100; $125 per 1,000. Poehlmann Bros., Morton Grove, Ill.

Asparagus Sprengeri, 2¼-in., extra strong plants ready to shift into 3½-in., $2.50 per 100. The Perennial Gardens Co., Toledo, O.

Asparagus Sprengeri, 3-in., 4c. Plumosus nanus, 3-in., 4c. J. D. Thompson Carnation Co., Joliet, Ill.

Asparagus Sprengeri, 2-in., 2c. Byer Bros., Chambersburg, Pa.

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Azalea Indica, leading vars., 6 and 7-in., 60c to $2.50 each. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Azalea mollis, full of buds, 12 to 15 ins., $25 per 100; 15 to 18 ins., $35 per 100. Storrs & Harrison Co., Painesville, O.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

Azaleas. Jacs Smits, Ltd., Naarden, Holland.

Azaleas. J. W. Dunford, Clayton, Mo.

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Bay trees. Bobbink & Atkins, Rutherford, N. J.

Bay trees. L. Van Houtte, Pere, Ghent, Belgium.

Bay trees. W. & T. Smith Co., Geneva, N. Y.

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Begonias, argenteo guttata, 2½-in., $3 per 100; Dew Drop and Erfordia, 2½-in., $3 per 100; rubra, $3.50; assorted, 6 to 10 vars., $2.50. Geo. A. Kuhl, Pekin, Ill.

Rex begonias, $5 per 100; $45 per 1,000. Dingee & Conard Co., West Grove, Pa.

Begonias, flowering, R. C., $1.25 per 100. Byer Bros., Chambersburg, Pa.

Begonia Gloire de Lorraine, 2¼-in., $15 per 100; $140 per 1,000. Wm. F. Kasting, Buffalo.

Begonias. L. Van Houtte, Pere, Ghent, Belgium.

BOUGAINVILLEAS.

Bougainvillea glabra Sanderiana, 2½-in., $4 per 100; 4-in., ready to bloom, $20 per 100. Storrs & Harrison Co., Painesville, O.

BOXWOOD.

Boxwood, pyramid, 36 ins., $1.75 each. Bush form, 30 to 36 ins., $2 each. Storrs & Harrison Co., Painesville, O.

Boxwood; Jacs Smits, Ltd., Naarden, Holland.

BULBS, American.

Tuberoses, true dwarf Excelsior strain, Excelsior Pearl, 1st size bulbs, $1 per 100; $9 per 1,000. Begonias, tuberous rooted, single white, yellow, scarlet and pink, 35c per doz.; $2.50 per 100. Double white, yellow, scarlet and pink, 60c per doz.; $4.50 per 100. Gloxinias, sep. colors, 50c per doz.; $3.50 per 100. Vaughan's Seed Store, Chicago and New York.

Bulbs. Mexican tuberoses, 1st size, $8 per 1,000; 2nd size, $6 per 1,000. Furrow & Co., Guthrie, Okla.

Tuberoses, double Pearl, 1st size, $6 per 1,000; 2nd size, $3 per 1,000. Baker Bros. Co., Ft. Worth, Tex.

Bulbs of all kinds. A. T. Boddington, 342 W. 14th St., New York.

BULBS, Imported.

Bulbs, hyacinths, single, King of the Blues, Czar Peter, Norma, etc., $3 per 100; mixed, $2 per 100; double: Goethe, Lord Raglan, Pure d'Or, Bloksberg, etc., $3 per 100; Crocus, named, $3 per 1,000; mixed yellow; mixed purple, $2.50 per 1,000. Dingee & Conard Co., West Grove, Pa.

Bulbs, Formosa Lilium longiflorum. Write for quotations. Yokohama Nursery Co., Ltd., 31 Barclay St., New York.

Bulbs. French bulbs; Japan lilies; Lilium Harrisii. Wm. Hagemann & Co., 55 Dey St., New York.

Bulbs, hyacinths, tulips, narcissus, crocus, spiræas, gladiolus. Van Zanten Bros., Hillegom, Holland.

Bulbs, hyacinths, tulips and narcissus. W. J. Eldering & Son, Overveen, Haarlem, Holland.

CALADIUMS.

Caladium esculentum, 1st size, $2 per 100; 2nd size, $1. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Caladiums, elephants ear, 7-9-in., $3.50 per 100; $32 per 1,000; 9-12-in., $6 per 100; $55 per 1,000; 12-in. and up, $14 per 100. Vaughan's Seed Store, Chicago and New York.

Caladiums, fancy leaved, named sorts, $1.50 per doz.; $10 per 100; mixed, $1.25 per doz.; $8 per 100. H. H. Berger & Co., 70 Warren St., New York.

CANNAS.

Cannas, Austria, Allemania, Alsace, Bouvier, Capt. Drugeon, C. Henderson, J. D. Eisele, F. Vaughan, Kate Gray, Pres. Viger, Pennsylvania, Pres. Meyer, Souv. de A. Crozy, $2.50 per 100; $20 per 1,000, David Harum, $4 per 100; $35 per 1,000. Egandale (3-in. pots only), $5 per 100. King Humbert, 4-in., $25 per 100. W. W. Coles, Kokomo, Ind.

Cannas, Chas. Henderson, Crimson Bedder, Beauty Poitevine, F. Vaughan, Queen Charlotte, Souv. de Antoine, etc., 2-eye Divisions, $3 per 100. $25 per 1,000. Storrs & Harrison Co., Painesville, O.

Cannas, dormant, 2-eyes, Chas. Henderson, the best red; Florence Vaughan, 2c; $1.90 per 100. W. H. Humfeld Floral Co., Kansas City.

Cannas. See our display advertisement for varieties and prices. Mosbæk Greenhouse Co., Onarga, Ill.

Cannas, leading vars., $10 per 1,000 up. Dingee & Conard Co., West Grove, Pa.

Cannas, Chas. Henderson, $2 per 100. Jos. H. Cunningham, Delaware, O.

CARNATIONS.

Carnations, rooted cuttings, Afterglow, Andrew Carnegie, Defiance, Sarah Hill, Winona, $12 per 100; $100 per 1,000. White Enchantress, $6 per 100; $55 per 1,000. White Perfection, $3.50 per 100, $30 per 1,000. Lady Bountiful, Victory, Robt. Craig, Melody, Enchantress, $3 per 100; $25 per 1,000. Beacon, Aristocrat, Winsor, $6 per 100; $50 per 1,000. Red Chief, Red Riding Hood, $5 per 100; $40 per 1,000. Pink Patten, Mrs. Patten, $2.50 per 100; $20 per 1,000. Mrs. T. W. Lawson, Prosperity, $2 per 100; $15 per 1,000. Rose Pink Enchantress, $4 per 100; $30 per 1,000. Vaughan's Seed Store, Chicago and New York.

Carnations, White Lawson, Pink Lawson, R. C., $2 per 100; $20 per 1,000; 2½-in., $35 per 1,000. Var. Lawson, R. C., $2.20 per 100; $20 per 1,000; 2½-in., $35 per 1,000; Red Lawson, R. C., $2 per 100; $18 per 1,000; 2½-in., $32 per 1,000. Victory, Rose Pink Enchantress, Enchantress, R. C., $3 per 100; $25 per 1,000; 2½-in., $40 per 1,000. Beacon, Winsor, White Enchantress, Aristocrat, R. C., $5 per 100; $45 per 1,000; 2½-in., $60 per 1,000. Welcome, R. C. $5 per 100. White Perfection, R. C., $4 per 100; $35 per 1,000; 2½-in., $50 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Carnations, White Perfection, White Enchantress, $6 per 100; $50 per 1,000. Lady Bountiful, My Maryland, Enchantress, Cardinal, Robt. Craig, Golden Beauty, $2 per 100; $17.50 per 1,000; Jessica, $3 per 100; $25 per 1,000. The Queen, Queen Louise, Lawson, Crisis, Governor Roosevelt. Harlowarden, Eldorado, $2 per 100; $17.50 per 1,000. Dorothy, Mrs. E. A. Nelson, William Scott, Joost, Portia, $1.50 per 100; $12.50 per 1,000. Flamingo, Buttercup, Mrs. Patten, Judge Hinsdale, $2.50 per 100; $20 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Carnations. Winsor, White Enchantress, from sand, $6 per 100; $50 per 1,000; from soil, $7.50 per 100; $60 per 1,000. Beacon and Red Chief, from sand. $6 per 100; $50 per 1,000; from soil, $7.50 per 100; $60 per 1,000. Victory, Melody, White Perfection, from sand, $4 per 100; $35 per 1,000; from soil, $6 per 100; $45 per 1,000. Variegated Lawson, White Lawson, Red Lawson, from sand, $3 per 100; $25 per 1,000; from soil, $4 per 100; $35 per 1,000; Winona and Afterglow, $12 per 100; $100 per 1,000. F. R. Pierson Co., Tarrytown, N. Y.

CARNATIONS.

	100	1,000
Enchantress	$2.50	$20.00
Lawson	2.00	15.00
Robt. Craig	2.50	20.00
W. Cloud	1.50	10.00
W. Lawson	2.00	15.00
Nelson Fisher	2.50	20.00

WIETOR BROS., 51 Wabash Ave., Chicago.

Carnations, Aristocrat, Winsor, $5 per 100; W. Perfection, $2.75; Enchantress, Lady Bountiful, $2; Victory, $2.75; Rose Pink Enchantress, $2.75. Perennial Gardens Co., Toledo, O.

If you do not find what you need in our Ready Reference Department, write us about it.

Carnations, White Perfection, Rose Pink Enchantress, Victory, Robt. Craig, $3 per 100; $25 per 1,000. White Enchantress, $6 per 100. Enchantress, $2 per 100; $15 per 1,000. Lawson, $1.75 per 100; $15 per 1,000. Helen Goddard, $2.50 per 100. Aristocrat, $5 per 100. Beacon, $6 per 100; $45 per 1,000. Harlowarden, $1.75 per 100; $15 per 1,000. Eli Cross, Grand Rapids, Mich.

Carnations, Lawson, $1.50 per 100; $12.50 per 1,000. Winsor, $5 per 100; $40 per 1,000. Rose Pink Enchantress, $3 per 100; $25 per 1,000. Enchantress, White Lawson, Lady Bountiful, $2 per 100; $15 per 1,000. B. Market, $1.25 per 100; $10 per 1,000. Beacon, $5 per 100; $40 per 1,000. Robt. Craig, $2.50 per 100; $20 per 1,000. Cardinal, $2 per 100; $17.50 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Carnations, Winona, $12 per 100; $100 per 1,000. Red Chief, Bonnie Maid, $5 per 100; $40 per 1,000. Aristocrat, Winsor, Beacon, White Enchantress, $6 per 100; $50 per 1,000. White Perfection, Rose Pink Enchantress, Enchantress, Lady Bountiful, Victory, $3 per 100; $25 per 1,000. Dorothy Whitney, $4 per 100; $30 per 1,000. Mrs. Patten, Harry Fenn, $3 per 100. F. Dorner & Sons, La Fayette, Ind.

Carnations, Harvard, $12 per 100; $100 per 1,000. Faust, $6 per 100; $50 per 1,000. Winsor, $6 per 100; $50 per 1,000. Rose Pink Enchantress, Pink Patten, $3 per 100; $25 per 1,000. Enchantress, Victory, Red Sport, $2.50 per 100; $20 per 1,000. Lawson, Queen Louise, $2 per 100; $15 per 1,000; Queen, $2 per 100; $12.50 per 1,000. James D. Cockroft, Northport, L. I., N. Y.

Carnations, Winsor, Helen Gould, Beacon, $6 per 100; $50 per 1,000. White Enchantress, $7 per 100; $60 per 1,000. Melody, Victory, $4 per 100. Enchantress, Lady Bountiful, Red Lawson, V. Lawson, W. Lawson, Daheim, $3 per 100; $25 per 1,000. Mrs. Lawson, B. Market, $2 per 100; $15 per 1,000. Wood Bros., Fishkill, N. Y.

Carnations, White Enchantress, $6 per 100; $50 per 1,000. White Perfection, Rose Pink Enchantress, Cardinal, Victory, $3 per 100; $25 per 1,000. White Lawson, Lady Bountiful, B. Market, Queen Lawson, $2 per 100; $15 per 1,000. Enchantress, $2.50 per 100; $20 per 1,000. Lakeside Floral Co., Houghton, Mich.

Carnations, Enchantress, J. E. Haines, P. Patten, $2 per 100; $15 per 1,000. Lawson, $1.50 per 100; $10 per 1,000. Pink Imperial, $3.50 per 100; $30 per 1,000. White Perfection, $3 per 100; $25 per 1,000. Winsor, $6 per 100; $50 per 1,000. A. M. Herr, Lancaster, Pa.

Carnations, Winsor, Aristocrat, $6 per 100; $50 per 1,000. Victory, $3 per 100; $25 per 1,000. Enchantress, $2 per 100; $20 per 1,000. Lawson, $1.75 per 100; $15 per 1,000. White Lawson, $2 per 100; $18 per 1,000. E. T. Wanzer, Wheaton, Ill.

Carnations, Enchantress, Lawson, B. Market, White Enchantress, Beacon, Winsor, Aristocrat, Rose Pink Enchantress, Victory, Lady Bountiful, Mrs. Patten, white, red and variegated Lawson, Harlowarden. A. F. Longren, Des Plaines, Ill.

Carnations, Beacon, Winsor, $6 per 100; $50 per 1,000. White Perfection, Rose Enchantress, $4 per 100; $35 per 1,000. Enchantress, $3 per 100; $25 per 1,000. Peter Fisher, Ellis, Mass.

Carnations. Pure White Enchantress, Beacon, Winsor, Aristocrat, strong healthy, well rooted cuttings, $6 per 100; $50 per 1,000. Satisfaction guaranteed. A. J. Stahelin, Redford, Mich.

Carnation cuttings, clean, healthy, well-rooted, the best in their colors: Rose Pink Enchantress (select stock) $3.50 per 100. White Enchantress, $6 per 100; Winsor $5 per 100; Enchantress $2.50 per 100. Harkett's Floral Nursery, Dubuque, Iowa.

Carnations, Enchantress, $3 per 100; $25 per 1,000. Rose Pink Enchantress, $3.50 per 100; $30 per 1,000. Robert Craig, $3 per 100; $25 per 1,000. Vesper, $2.50 per 100; $20 per 1,000. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Carnations, well rooted cuttings, good stock, White Enchantress and Aristocrat, $6 per 100; $50 per 1,000. Winsor and Helen Gould, $5 per 100; $40 per 1,000. Geo. F. Eakas, Sta. E., Baltimore, Md.

Carnations. Winsor and White Enchantress, R. C., $6 per 100; $50 per 1,000; from soil, $7.50 per 100; $60 per 1,000; from pots, $9 per 100; $75 per 1,000. White Bros., Gasport, N. Y.

Carnations, Lawson, Enchantress, Rose Pink Enchantress, Perfection, Lady Bountiful, $3 per 100; $25 per 1,000. Winsor, $6 per 100; $50 per 1,000. John L. Wyland, De Haven, Pa.

Carnations, rooted cuttings of all the new and leading commercial varieties. Send for price list. Wm. Swayne, Box 226, Kennett Square, Pa.

Carnation Lloyd, R. C., $2 per doz.; $12 per 100; $100 per 1,000; unrooted, $6 per 100; $50 per 1,000. H. A. Jahn, New Bedford, Mass.

Carnations, A. No. 1 R. C., Lawson, $2 per 100; $15 per 1,000. Boston Market, $2 per 100; $15 per 1,000. Stuppy Floral Co., St. Joseph, Mo.

Carnation, Defiance, $12 per 100; $100 per 1,000. Jensen & Dekema, 674 W. Foster Ave., Chicago, or W. N. Rudd, Morgan Park, Ill.

Carnations, John E. Haines, Imperial and Pink Imperial, Enchantress, $6 per 100; $50 per 1,000. John E. Haines, Bethlehem, Pa.

Carnations, 4,000 extra fine Winsor, 2½-in., $6 per 100; $50 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, Queen, $10 per 100. White Enchantress, $5 per 100. Philip Schupp, 37 Randolph St., Chicago.

Carnation Afterglow, $2 per doz.; $12 per 100; $100 per 1,000. R. Witterstaetter, Sta. F., Cincinnati, O.

Carnations, Sarah Hill, Lawson.—Enchantress, 2½-in., $12 per 100; R. C., $10. Geo. A. Kuhl, Pekin, Ill.

Carnations, White Enchantress, $6 per 100; $50 per 1,000. E. Schrader, New Springville, N. Y.

Carnation Andrew Carnegie, $12 per 100; $100 per 1,000. Chicago Carn. Co., Joliet, Ill.

Carnation Beacon, R. C. W. W. Coles, Kokomo, Ind.

Carnations. E. G. Hill Co., Richmond, Ind.

CHRYSANTHEMUMS.

CHRYSANTHEMUMS.

White.	Per 100	Pink	Per 100
Oct. Frost	$3.00	Monogram	$2.00
Estelle	2.00	Lady Hariett	3.00
Polly Rose	2.00	Balfour	2.50
Robinson	2.00	Mary Mann	2.00
Merry Xmas	2.00	Mrs. Perrin	2.00
Yanoma	2.50	Dr. Enguehard	2.00
A. Byron	2.50	Maud Dean	2.00
W. H. Chadwick	3.00	Yellow	
T. Eaton	3.00	Appleton	$2.00
C. Touset	2.00	Golden Beauty	3.00
Beatrice May	3.00	Golden Wedding	2.50
Kalb	2.00	Oct. Sunshine	2.00
W. Bonnaffon	2.00	Chas. Cronin	2.00
Wanamaker	2.00	Maj. Bonnaffon	2.00
Red		Y. Eaton	3.00
Intensity	$2.00		
Black Hawk	2.00		

WIETOR BROS., 51 Wabash Ave., Chicago.

Chrysanthemums, Col. Appleton, Dr. Enguehard, Monrovia, Mrs. H. Robinson, Mrs. Swinburne, Mayor Weaver, Oct. Frost, Polly Rose, Duckham, F. J. Taggert, $3 per 100; $25 per 1,000. Comoleta, Ialene, Intensity, J. Nonin, Silver Wedding, W. H. Chadwick, Yanoma, $4 per 100; $35 per 1,000. Pres. Roosevelt, $10 per 100. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, Monrovia, Oct. Sunshine, F. A. Cobbold, Mrs. Pockett, Col. Appleton, Nellie Pockett, Cheltoni, Lady Hopetoun, White Coombes, Ben Wells, etc., $3 per 100; $25 per 1,000; 2¼-in. Chas. H. Totty, Madison, N. J.

Chrysanthemum, Mrs. Henry Robinson, 2½ and 3-in., $3 per 100; $25 per 1,000. Metairie Ridge Nursery, New Orleans, La.

Chrysanthemums, R. C., leading vars., $1, $1.50 and $2 per 100. Schmalzl & Hembreiker, Lincoln, Ill.

Chrysanthemums, hardy, 75 vars., $2 and $3 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Chrysanthemums, Pacific Supreme, 2¼-in., $35 per 100. Elmer D. Smith & Co., Adrian, Mich.

CINERARIAS.

Cinerarias, right for 3, 4, 5 and 6-in., 80c, $1.75, $3 and $4.75 per doz. Chas. Sherwood, Waterloo, Ia.

Cinerarias, dwarf, 3-in., ready for 5-in., Easter goods, $3 per 100. The Perennial Gardens Co., Toledo, O.

Cinerarias, strong, 2¼-in., Columbia mix., $2 per 100. Stover Floral Co., Grandville, Mich.

COLEUS.

Coleus, Verschaffeltii, Golden Bedder, etc., $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Coleus, 10 varieties, R. C., 75c per 100; $6 per 1,000. Stuppy Floral Co., St. Joseph, Mo.

Coleus, 10 varieties, 2¼-in., $2 per 100. Jos. H. Cunningham, Delaware, O.

Coleus, 10 kinds. Byer Bros., Chambersburg.

CUPHEAS.

Cupheas, 2 kinds, R. C., 75c. Byer Bros., Chambersburg, Pa.

Cupheas, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

CYCLAMENS.

Cyclamens, Craig's strain, twice transp.; $4.50 per 100; $40 per 1,000. Robt. Craig Co., Market and 49th Sts., Philadelphia.

DAHLIAS.

Dahlias, novelties and standard varieties, true to name. A choice list of the best introductions. Send for catalogue of dahlias, hollyhocks, hardy plants. W. W. Wilmore, Box 382 Denver, Col.

Dahlias, single, J. Cowan, Fashion, Jno. Downie, Sunningdale, Lustre, $1 per doz.; $6 per 100. Cactus, Mrs. A. Beck, Prof. Baldwin, $1 per doz.; $6 per 100. Countess of Lonsdale, Kriemhelde, F. Bartels, Miss Nightingale, $1.50 per doz.; $10 per 100. Decorative dahlias: Oban, Iridescent, Sylvia, $1.50 per doz.; $10 per 100; Lancelot, Mrs. Geo. Reed, $1 per doz.; $6 per 100. Show dahlias A. D. Livoni, Camilla alba, $1.50 per doz.; $10 per 100; one lot good vars. mixed, 50c per doz.; $3 per 100; mixed yellow, 50c per doz.; $3 per 100. Geo. Wittbold Co., 1657 Buckingham place, Chicago.

Dahlias, field roots, divided; out of 250 varieties under test from America and Europe, I offer for growing on the corn soils of the Mississippi valley and central west 25 varieties out of the "best" standard sorts at $4 per 100: 25 varieties at $8 per 100 out of the finer and newer "best" list; at $3 per 100 out of six colors in white, red, scarlet, pink, purple, yellow, double named valuable sorts. Write Ferndale Nurseries, Harlan, Iowa (near Omaha).

Dahlias, field-grown, Wm. Agnew, Countess of Lonsdale, Nymphæa, Mrs. Wellesley, Admiral Dewey, A. S. Livoni and Fern Leaf Beauty, $5 per 100. Duke Alexis and Kriemhilde, $7 per 100. Storrs & Harrison Co., Painesville, O.

Dahlias, all leading vars., $45 to $50 per 1,000. Dingee & Conard Co., West Grove, Pa.

Dahlias, 100 vars., field clumps, $5 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Dahlias, leading varieties. David Herbert & Sons, Atco, N. J.

The American Florist invites attention to the class of business firms in its adv. columns.

DAISIES.

Marguerites. Queen Alexandra, $3 per 100; Coronation, $3. Storrs & Harrison Co., Painesville, O.

DRACENAS.

Dracæna indivisa, 4-in., $2 per doz.; 5-in., $3; 6-in., $6; 7-in., $9; 8-in., $12. Geo. Wittbold Co., 1657 Buckingham place, Chicago.

Dracæna indivisa, 4-in., $12 per 100; 5-in., $20 per 100; 6-in., $40 per 100. Vaughan's Seed Store, Chicago and New York.

Dracæna, indivisa, 4-in., $2 per doz.; 5-in., $3 per doz. Strong plants. C. C. Pollworth Co., Milwaukee, Wis.

Dracæna indivisa, 2-in., $3 per 100. Geo. M. Emmans, Newton, N. J.

Dracæna indivisa, 2¼-in., $2; 3-in., $5 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Dracæna Bruanti, 6-in., 22 to 25 ins., 40c each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

FERNS.

Ferns, Nephrolepis Whitmani, 2¼-in., 75c per doz.; $5 per 100; $40 per 1,000. N. Bostoniensis, 2¼-in., 60c per doz.; $4 per 100; $35 per 1,000. N. Todeaoides, 2¼-in., 30c each; $3.50 per doz.; $25 per 100; 4-in., 50c each; $5 per doz.; $40 per 100. Cyrtomium falcatum, C. Fortunei, Davallia stricta, Dicksonia antarctia. Lastrea chrysoloba. L. apaca. Onychium Japonicum. Pteris: adiantoides, argyrea. Wilsoni Cretica alba lineata. Cretica magnifica. Wimsetti, Wimsetti multiceps, Mayii hastata, Onvrardi, serrulata cristata, tremula, Victoriæ, also mixed vars., 2¼-in., $3.50 per 100; $30 per 1,000. Pteris: adiantoides, cretica alba lineata, Mayii, magnifica. Ouvrardi. Wilsoni, Wimsetti multiceps, Lastrea opaca, also mixed vars., 3-in., $6 per 100; $50 per 1,000. Adiantum Croweanum, 3-in., $15 per 100; $140 per 1,000. N. Amerpohlii, 2¼-in., 35c each; $3.50 per doz.; $25 per 100; $200 per 1,000. Fern flats; Cyrtomium falcatum, Pteris Mayii, P. serrulata cristata. P. Cretica alba lineata, P. Harrisoni, P. Wimsetti multiceps, 200 plants to flat, $2 per flat. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Ferns, Boston, 2½-in., 60c per doz.; $5 per 100; 3-in., $1.50 per doz., $10 per 100; 4-in., $2.50 per doz., $20 per 100; 5-in., 40c each; $4 per doz.; $30 per 100; 6-in. pans, 75c each, $6 per doz., $50 per 100; 7-in., $1 each, $9 per doz., $75 per 100; 8-in., $1.50 each, $15 per doz.; 9-in., $2 to $2.50 each; 10-in., $3 to $3.50 each; 12-in., $4 to $5 each. Nephrolepis Whitmani, 2-in., 60c per doz.; $4 per 100; 2½-in., 75c per doz.; $5 per 100; 3-in., $1.50 per doz.; $10 per 100; 4-in., $2.50 per doz.; $20 per 100; 5-in., $4 per doz.; $40 per 100; 6-in., $6 per doz.; $50 per 100; 7-in., $9 per doz., 8-in., $1.50 to $2 each. Amerpohli, 2-in., $2.50 per dozen; $20 per 100; 2½-in., $3.50 per doz.; $25 per 100; 3-in., $4 per doz.; $30 per 100; 4-in., $5 per doz.; $40 per 100. Vaughan's Seed Store, Chicago and New York.

Ferns, my specialty. Ferns for dishes, fine healthy stock from 2¼-in. pots, in 15 best varieties, $3 per 100; $25 per 1,000; 500 at 1,000 rate. Kentia Belmoreana, 2¼-in., $1.30 per doz.; $10 per 100. Assorted, 3-in., $6, 4-in., $12 per 100. Ad. Cuneatum, 2¼-in., $3.50 per 100; $30 per 1,000; 3-in., $6; 4-in., $12 per 100. A. Gracillimum, 2¼-in., $3.50 per 100. Cibotium Schiedei, 4-in., none better, $25 per 100. Fresh fern spores in all the best market varieties, 30c per trade package; $3 per doz. J. F. Anderson, Short Hills, N. J.

If you do not find what you need in our Ready Reference Department, write us about it.

Ferns, Whitmani, 7-in., 3 plants in pot, $1.50 and $1.25; 6-in., 50c, 75c and $1 each. Boston, 8-in., $1.25 and $1.50; 7-in., 75c and $1; 6-in., 50c. Scottii, 7-in., $1; 7-in., $1.25; 6-in., 50c; heavy, 60c to 75c; 5 and 5½-in., 25c, 35c and 40c each. Piersoni, 4-in., 25c; 5 and 5½-in., 30c to 40c; 6-in., 50c. Pteris Wilsoni, 5¼-in., 20c. Amerpohlii, 4-in., 50c. Mixed ferns for dishes, 2½-in., $5 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns, Elegantissima, 2¼-in., $6 per 100; 3½-in., $15 per 100; 6-in., 50c each; 8-in., $1 and $1.50 each; 10-in., $2 each. Whitmani, 2¼-in., $6 per 100; 3½-in., $15 per 100; 6-in., 50c and 75c each; 8-in., $1.50 each; 10-in., $2 each. Scottii, 6-in., 50c each. Boston, 2¼-in., $4 per 100; 6-in., 50c each; 8-in., $1 each. Small ferns for pans, $4 per 100; $30 per 1,000. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston, 2½-in., 4c; 3-in., 8c.; 4-in., 15c; 5-in., 25c; 6-in., 40c; 7-in., 65c; 8-in., $1 to $1.50; 10-in., $1.50 to $2. J. W. Dunford, Clayton, Mo.

Ferns, Boston, 2½-in., $4 per 100; $30 per 1,000. Small for dishes, $2.50 per 100. Storrs & Harrison Co., Painesville, O.

Ferns, Whitmani, 2¼-in., $5 per 100; 3½-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Son, Whitman, Mass.

Ferns, N. Amerpohlii, 2½-in., $15 per 100. Janesville Floral Co., Janesville, Wis.

Ferns, Piersoni Elegantissima, 2-in., 3c. Byer Bros., Chambersburg, Pa.

Ferns, Boston, 5-in., 30c each. Geo. M. Emmans, Newton, N. J.

Fern runners, 10,000 Boston, all sizes. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns, Scottii, Elegantissima, Whitmani, 2¼-in. W. W. Coles, Kokomo, Ind.

Ferns. Geo. A. Kuhl, Pekin, Ill.

FICUS.

Ficus elastica, 5 to 6-in., 20 to 40 in., 30c to 75c each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ficus pandurata, in tubs, single stems, 6 ft., $7.50 each; branched, 5½ ft., $7.50 each. Robt. Craig Co., Market and 49th Sts., Phila.

FUCHSIAS.

Fuchsias, Black Prince and Minnesota, $2 per 100; Lieut. Muritz, White and Rose Phenomenal, $2.50. R. Vincent, Jr. & Sons Co., white Marsh, Md.

GERANIUMS.

GERANIUMS. Our stock is larger and finer than ever and includes the following SUPERB BEDDERS: S. A. Nutt, greatest crimson; Peter Henderson, grand new semi-double scarlet; Beaute Poitevine, best salmon; Mme. Buchner, the only double white; Jean Viaud, pure pink; strong top cuttings, well rooted and true to name, $1.75 per 100; $16 per 1,000. Cash. The W. T. Buckley Co., Springfield, Ill.

Geraniums, 2-in., $2 per 100; up to $1 each; our selection, 20 varieties, $18.50 per 1,000; new vars., 1905-6 introductions, 1 plant of 50 kinds, $5; 1907 novelties, Bruant's Cannell's, Boucharlet and Lemoine introductions, 1 each of 50 kinds, $10. Ivy leaved, 6 vars., $3 per 100; $25 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Geraniums, Nutt, Doyle, Perkins, Ricard, dbl. Grant, 2-in., $2.50 per 100; R. C., $1.25 per 100. Trego, Castellane, Poitevine, Viaud, 2-in., $3 per 100; R. C., $1.50 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, Trego, Doyle, Nutt, Bertha de Pressiley, Mme. Barney, $2.50 per 100; our choice in pink, red and white, $2 per 100. Storrs & Harrison Co., Painesville, O.

Geraniums, 6 varieties double, S. A. Nutt and others, 2½-in., $2.50 per 100; $22.50 per 1,000. The Krueger Bros. Co., Toledo, O.

Geraniums, 10 vars., 2½-in., $3 per 100; $25 per 1,000. Jos. H. Cunningham, Delaware, O.

Geraniums, dbl. red, 2½-in., $3 per 100; $25 per 1,000. Schmaus Bros., Paducah, Ky.

Geraniums in standard varieties, 2¼-in., $3 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Geraniums, apple, 2½-in., $4 per 100. Baker Bros. Co., Ft. Worth, Tex.

Geraniums. A. M. Herr, Lancaster, Pa.

Geraniums. E. G. Hill Co., Richmond, Ind.

The American Florist invites attention to the class of business firms in its adv. columns.

GLADIOLI.

Gladiolus, Princeps, medium, $9 per 100. Mrs. Francis King, $4 per 100; $30 per 1,000. America, $7.50 per 100; $60 per 1,000. Augusta, $2 per 100; $17 per 1,000. Brenchleyensis, $1.45 per 100; $12 per 1,000. Ceres, $1.45 per 100; $12.50 per 1,000. Mme. Monneret, $1.75 per 100; $15 per 1,000. May, $1.75 per 100; $15 per 1,000. "1900," $2.50 per 100. Shakespeare, $4.25 per 100; $38 per 1,000. Florist mixture, made from named light and white vars., $1.75 per 100; $15 per 1,000. Vaughan's Seed Store, Chicago and New York.

Gladiolus bulbs, over 15,000 bushels harvested. Groff's hybrids and other strains and named varieties of exceptional merit. Write for 1907 illustrated catalogue. Arthur Cowee, Gladiolus Specialist, Meadowvale Farm, Berlin, N. Y.

Bulbs, Gladiolus primulinus, $8 per doz.; $60 per 100. Primulinus hybrids, $3 per doz.; $20 per 100. J. M. Thorburn & Co., 33 Barclay St., New York.

Gladiolus, Hyacinthus candicans, spotted callas, oxalis, cinnamon vine, German iris, lilies. E. S. Miller, Wading River, N. Y.

Gladiolus America, $6.50 per 100; $60 per 1,000. Write for prices on other stock. Cushman Gladiolus Co., Sylvania, O.

Gladiolus Lemoinei and Nanceianus. V. Lemoine & Son, Nancy, France.

Gladiolus, leading vars. E. E. Stewart, Rives Junction, Mich.

GLOXINIAS.

Gloxinias. L. Van Houtte, Pere, Ghent, Belgium.

GREENS.

Greens, dagger and fancy ferns, $1.50 per 1,000. Bronze and green galax, $1.25 per 1,000. Leucothoe sprays, $1 per 100; $7.50 per 1,000. Sphagnum moss, per bale, $1.25. Boxwood bunches, 35c; 50 lbs., $7.50. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit.

Greens, bronze galax, $8.50 per case of 10,000; green, $7.50. Dagger and fancy ferns, $1.50 per 1,000. Laurel festooning, boxwood, southern wild smilax, Sphagnum moss and green moss, leucothoe sprays, etc. H. M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, cut palmetto and cycas leaves, galax, leucothoe, ferns, mosses, etc. Kervan Co., 113 W. 28th St., New York.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 52 W. 28th St., New York.

Greens, smilax, ferns, palm leaves, etc. John P. Scherer, Union Hill, N. J.

Greens, southern wild smilax. E. A. Beaven, Evergreen, Ala.

Greens, hardy cut ferns. H. J. Smith, Hinsdale, Mass.

HARDY PERENNIALS.

Hardy perennials, anemone, aster, campanula, delphinium, funkia, hemerocallis, hepatica, incarvillea, iris, peony, phlox, primula, pyrethrum, tritoma. Royal Tottenham Nurseries, Ltd., Dedemsvaart, Holland.

Hardy pinks, R. C., 5 kinds, 75c. Byer Bros., Chambersburg, Pa.

Perennials. Ours are large field-grown stock. Mosbæk Greenhouse Co., Onarga, Ill.

HELIOTROPES.

Heliotropes, 4 of the best, R. C., $1 per 100; 2¼-in., $2.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Heliotropes, 3 kinds, R. C., $1. Byer Bros., Chambersburg, Pa.

Heliotrope, 4 of the best var. Mosbæk Greenhouse Co., Onarga, Ill.

HOLLYHOCKS.

Hollyhocks, 3-in., double, white, pink, red, yellow, $3 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

HYDRANGEAS.

Hydrangeas, Otaksa and Thos. Hogg, 6-in., 3 to 4 flowering stems, $5 per doz.; $40 per 100; 7-in., 5 to 6 flowering stems, $8 per doz.; $75 per 100. Vaughan's Seed Store, Chicago and New York.

Hydrangea Otaksa, 6-in., 25c; 7-in., 35c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Hydrangeas, strong plants, 10c. Levant Cole, Battle Creek, Mich.

Hydrangeas. W. & T. Smith Co., Geneva, N. Y.

IVIES.

English ivy, hardy, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

JERUSALEM CHERRIES.

Jerusalem cherries, 6 and 7-in., full of berries, 35c to 50c each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

LANTANAS.

Lantanas, 5 vars., $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

LILACS.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley, high class. Wm. Hagemann & Co., 55 Dey St., New York.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

From Storage.

Lily of the valley, early forcing pips, $1.50 per 100; $12 per 1,000. H. N. Bruns, 1409-11 W. Madison St., Chicago.

Lily of the valley, for forcing. Vaughan's Seed Store, Chicago and New York.

Lily of the valley, for forcing, $11 per 1,000. W. C. Beckert, Pittsburg, N. S., Pa.

LOBELIAS.

Lobelias, Crystal Palace Gem, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

MANETTI STOCKS.

Manetti, grafting size, $8 per 1,000; $75 per 10,000; extra size, $10 per 1,000; $90 per 10,000. Jackson & Perkins Co., Newark, N. Y.

MOSS.

Sphagnum moss in burlap or wired bales. Write for prices. Vaughan's Seed Store, Chicago and New York.

Sphagnum moss, 5 barrel bale, $1.25; 2 bales, $2.25; 5 bales, $5; 10 bales, $9.50. H. R. Akers, Chatsworth, N. J.

MUSHROOM SPAWN.

Mushroom spawn, English, per 100 lbs., $6 f. o. b. New York; $6.50 f. o. b. Chicago. Garden City Pure Culture, 100 bricks, $12 f. o. b. Chicago, $12.50 f. o. b. New York. Vaughan's Seed Store, Chicago and New York.

Mushroom spawn. English and pure culture. Weeber & Don, 114 Chambers St., New York.

NURSERY STOCK.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, fruit and shade trees, shrubs, evergreens. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, arbor-vitæ (Thuya occidentalis) 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, trees and shrubs, price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Nursery stock, large trees, oaks, maples, pines and hemlock. Andorra Nurseries, Chestnut Hill, Philadelphia.

Am. arbor-vitæ hedge plants. Evergreen Nursery Co., Sturgeon Bay, Wis.

Nursery stock, flowering shrubs. E. Y. Teas, Centerville, Ind.

ORANGES.

Oranges, Kinkan. P. J. Berckmans Co., Augusta, Ga.

ORCHIDS.

Orchids, C. Trianæ, C. Mossiæ, C. labiata, C. Schroederæ, C. speciosissima, C. citrina, C. intermedia, C. Gaskelliana, C. Dowiana, C. Warneri, Lælia anceps, L. albida, L. majalis, L. autumnalis, Oncidium crispum, O. varicosum, O. Cavendishianum, O. luridum, Epidendrum vitellinum majus, E. Cooperianum, Odonto, citrosmum, Miltonia vexillaria. Carillo & Baldwin, Secaucus, N. J.

Orchids in superb condition. Cattleya Mossiæ, C. Schroederæ, Lælia anceps, Epidendrum vitellinum, etc. Lager & Hurrell, Summit, N. J.

Orchids, C. Trianæ, C. Percivaliana, C. speciosissima, C. Gaskelliana, Oncidium Kramerianum. Ordonez Bros., Madison, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England. New York office, room 1, 235 Broadway.

Orchids in sheath, bud and flower. Julius Roehrs Co., Rutherford, N. J.

PALMS.

Palms, Kentia Fors. and Bel., 4-in., 18 to 20 ins., 35c each. Bel., 5½ and 6-in., 75c; 5¼ and 5½-in., 50c and 60c. Areca Lutescens, 4-in., 18 to 22 ins., 20c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. Latania Borb., seedlings from flats, $2 per 100; 3-in., $6 per 100; 4-in., 3 in pot, $3 per doz. Kentias and phœnix in all sizes. Vaughan's Seed Store, Chicago and N. Y.

Latania Borbonica, from 2-in. 3 leaves, $3 per 100. The Perennial Gardens Co., Toledo, O.

Palms. P. J. Berckmans Co., Augusta, Ga.

If you do not find what you need in our Ready Reference Department, write us about it.

Palms, Kentias, all sizes; Latania Borbonica, 7-in., 5 to 6 leaves, 18 to 20 ins., 75c each; 8-in., 6 to 7 leaves, 20 to 22 ins., $1.25 each. Storrs & Harrison Co., Painesville, O.

Palms. L. Van Houtte, Pere, Ghent, Belgium.

PANICUM.

Panicum var., $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

PANSIES.

Pansies from cold frame, strong, in bud, $1.50 per 100; $12 per 1,000. Transplanted, nice stock, $5 per 1,000. F. A. Baller, Bloomington, Ill.

Pansies, giant flowering, 50c per 100; $2.50 per 1,000. Jos. H. Cunningham, Delaware, O.

PELARGONIUMS.

Pelargoniums, 2-in., $6 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

PEONIES.

Peonies, 100 varieties, all classes for florists, 6 or 8 leading kinds, white to crimson, early to late, all named, $1.50 per doz.; $10 per 100. F. A. Baller, Bloomington, Ill.

Peonies, Festiva Maxima, $20 per 100; Queen Victoria, $9 per 100; Fragrans, $6 per 100. Gilbert H. Wild, Sarcoxie, Mo.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Free Peony book and nursery price list. Felix & Dykhuis, Boskoop, Holland.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies, leading vars. W. &. T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunia Berkshire, R. C., $2.50 per 100; $20 per 1,000. S. S. Skidelsky, 1731 No. 18th St., Philadelphia.

Petunias, double fringed, 2½-in., $2.50 per 100; R. C., $1 per 100. The Krueger Bros. Co., Toledo, O.

Petunias, 2½-in., dbl. fringed, 3 var., $2.50 per 100. Geo. A. Kuhl, Pekin, Ill.

Petunias, dbl., 10 kinds. R. C., $1. Byer Bros., Chambersburg, Pa.

POINSETTIAS.

Poinsettias, good strong stock, $4 per 100. The Krueger Bros. Co., Toledo, O.

PRIMULAS.

Primula obconica grandi., mixed, 2¼-in., $1.50 per 100. The Stover Floral Co., Grandville, Mich.

PRIVET.

Privet, California and Amoor River, 2½ to 3 ft., $25 per 1,000. Peter's Nursery Co., Knoxville, Tenn.

Privet, California. E. Y. Teas, Co., Centerville, Ind.

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RHODODENDRONS.

Rhododendrons. 18-in., $9 per doz.; 24-in., $12 per doz. Storrs & Harrison Co., Painesville, O.

Rhododendrons. W. & T. Smith Co., Geneva, N. Y.

Rhododendrons, Jacs Smits, Naarden, Holland.

ROSES.

Roses, 2-yr., budded, per doz., $2; $15 per 100; Am. Beauty, La France, Frau K. Druschki, Kaiserin, Soliel d'Or, Hermosa, Paul Neyron, Gruss au Teplitz, 2-yr., budded, $1.50 per doz.; $11 per 100. Anna de Diesbach, Fisher Holmes, Magna Charta, Ball of Snow, Gen. Jacq., M. P. Wilder, Capt. Christy, Mme. Testout, Mrs. J. Laing, U. Brunner, etc. Crimson Rambler, 2-yr., home-grown, $15 per 100; 2-yr., imported, $12 per 100. Dorothy Perkins, 2-yr., home-grown, $12 per 100. Lady Gay, 2-yr., budded, $20 per 100. Philadelphia Rambler, 2-yr., home-grown, $12 per 100. Baby Rambler, 2-yr., extra strong budded, $20 per 100; 2-yr., No. 1, $16 per 100; 1-yr., No. 2, $10 per 100. White Baby Rambler, 2½-in., $10 per 100. Red Kaiserin, 2-yr., dormant, $25 per 100. Vaughan's Seed Store, Chicago and New York.

Roses, American Beauty, R. C., $27.50 per 1,000; 2½-in., $6.50 per 100; $60 per 1,000; 3½-in., $80 per 1,000. Maid, Bride, U. John, Richmond, Chatenay, Kaiserin, R. C., $18.50 per 1,000; 2½-in., $4.50 per 100; $40 per 1,000; 3½-in., $60 per 1,000. Mrs. Potter Palmer and Cardinal, 2½-in., $15 per 100; $125 per 1,000; 3½-in., $150 per 1,000. Perle, Sunrise, 2½-in., $5 per 100; $45 per 1,000; Perle, 3½-in., $65 per 1,000. Killarney, R. C., $35 per 1,000; 2½-in., $6 per 100; $55 per 1,000; 3½-in., $75 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, field-grown. Anna de Diesbach, Clio, Frau Karl Druschki, Gen. Jacq., John Hopper, Mme. Luizet, M. P. Wilder, Mrs. J. Laing, Paul Neyron, Prince Camille, U. Brunner, Crimson, white, yellow and Philadelphia Rambler, common sweet briar, Mme. G. Bruant, Wichuraiana. Ellwanger & Barry, Rochester, N. Y.

Roses, rooted cuttings, Bride, Bridesmaid, Ivory, Richmond, Chatenay, Uncle John, $1.50 per 100; $12.50 per 1,000. Sunrise and Kate Mouiton, $3 per 100; $25 per 1,000. Perle, $2 per 100; $17.50 per 1,000. Am. Beauty, bench plants, $10 per 100; $75 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Roses, grafted for forcing, Chatenay, Killarney, Richmond, Liberty, La France, rose pots, $15 per 100; 3½-in., $18; Bridesmaid, Golden Gate, Kaiserin, rose pots, $10 per 100; 3½-in., $15 per 100. Own root roses, $9 and $7 per 100. J. L. Dillon, Bloomsburg, Pa.

Roses, grafted, Bride and Maids, $10 per 100; $100 per 1,000. Richmond and Killarney, grafted, $10 per 100; $100 per 1,000. Rhea Reid, grafted, $35 per 100; own root, $30 per 100. E. G. Hill Co., Richmond, Ind.

American Beauties, rooted cuttings, $3 per 100; $25 per 1,000; 2¼-in., $6 per 100; $50 per 1,000. J. F. Wilcox, Council Bluffs, Iowa.

Rose My Maryland, 2 and 2½-in., $25 per 100; $200 per 1,000; 3-in., $5 per doz. John Cook, 318 N. Charles St., Baltimore, Md.

Roses, grafted, Bride, Maid, Richmond, Killarney, Kaiserin, Wellesley. Jackson & Perkins Co., Newark, N. Y.

Roses, American Beauty and Richmond, bench plants, $8 per 100; $75 per 1,000. J. A. Budlong, 37-39 Randolph St., Chicago.

Roses, C. Soupert, C. Rambler, Dorothy Perkins. Marie Pavie. P. J. Berckmans Co., Augusta, Ga.

Rose Tausendschon, 3-in., 10 for $1.50; $12 per 100; $100 per 1,000. Dingee & Conard Co., West Grove, Pa.

Rose Newport Fairy. Julius Roehrs Co., Rutherford, N. J.

Roses. E. G. Hill Co., Richmond, Ind.

Roses. W. & T. Smith Co., Geneva, N. Y.

Roses. Geo. A. Kuhl, Pekin, Ill.

SALVIAS.

Salvia Zurich, ever-blooming type absolutely true, 2-in., $1 for 25; $3, 100; $25, 1,000. Rooted cuttings, $1.75, 100; $15, 1,000. J. L. Schiller, 929 Prouty Ave., Toledo, O.

Salvia Zurich, 2-in., $3 per 100; $25 per 1,000; R. C., $1.75 per 100; $15 per 1,000; now ready. The Krueger Bros. Co., Toledo, O.

Salvia Zurich, 2-in., $1 per 25; $3 per 100; $25 per 1,000; R. C., $1.75 per 100. J. L. Schiller, 929 Prouty Ave., Toledo, O.

Salvia St. Louis, 2½-in., $2 per 100; R. C., 80c per 100; $7.50 per 1,000. W. H. Humfeld Floral Co., Kansas City, Mo.

Salvias, R. C., 90c per 100; 2¼-in., $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Salvia Zurich, R. C., $1.75 per 100; 2-in., $3. Perennial Gardens Co., Toledo, O.

Salvia Bonfire, Splendens, 90c. Byer Bros., Chambersburg, Pa.

SMILAX.

Smilax, 2½-in., $2.50 per 100; $22 per 1,000; 3-in., $35 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Smilax, fall sown seedlings, 50c per 100; $4 per 1,000. F. A. Baller, Bloomington, Ill.

SEEDS.

Seeds, asters, Vick's branching, 8 colors; Snowdrift, Royal Purple, Lavender Gem, Daybreak, Purity, Sunset, Mikado, Cardinal, Violet King, Florists' novelty collection; Early White Branching, Imperial aster Sunrise, 25c; Violet King, 20c; Cardinal, 25c; Lavender Gem, 25c; Rosy carmine, 25c; How to Grow Asters, 10c. All of above, including book, 90c. Vick's Imperial Sunrise, pkt., 25c; 2 or more, 20c each. Vick's Early Branching, pkt., 25c; 2 or more 20c each. Hohenzollern early and late, White Fleece. Empress Frederick, Semple's Branching Pink. Early Wonder, Giant Comet, Queen of the Market. James Vick's Sons, Rochester, N. Y.

Seeds, Aster, Vaughan's Upright Branching, white, tr. pkt., 20c; oz., $1.50. Astilbe Davidii, tr. pkt., 25c; ¼ oz., 60c. Dahlia, Exhibition single, tr. pkt., 35c. Shasta Daisy, Alaska, California, Westralia, ⅛ oz., 35c; oz., $2. Cyrtomium falcatum; Pteris Wimsetti, 1-64 oz., $1; 1-32 oz., $1.90. Primula obconica gigantea Kermesina, pkt., 35c; Rosea, tr. pkt., 50c; 1-32 oz., $3. Primula Kewensis, pkt., 150 seeds, 35c. Gypsophila elegans alba grandiflora, tr. pkt., 10c.; oz., 20c. Vaughan's Improved Scotch Viola or tufted pansies, tr. pkt., 25c. Zea Japonica quadricolor perfecta, tr. pkt., 15c. Vaughan's Seed Store, Chicago and New York.

Seeds, Primula obconica grandi, blood red, blue, carmine, pink, purple, violet, white, compacta, gigantea, fringed mixed, hybrids, separate, tr. pkt., 50c; 6 pkts., $2.50. O. V. Zangen, Hoboken, N. J.

Seeds, Lettuce, Grand Rapids, ¼ lb., 30c; lb., $1; May King, ¼ lb., 40c; lb., $1.25. Cucumber, Evergreen White Spine, ¼ lb., 25c; lb., 75c; Davis Perfect, ¼ lb., 35c; lb., $1.25; Radish, Vaughan's Cardinal Forcing, ¼ lb., 40c; lb., $1.50; Improved Scarlet Globe, ¼ lb., 25c; lb., 70c; 20 Day Forcing, ¼ lb., 20c; lb., 60c. Scarlet Globe White Tip, ¼ lb., 20c; lb., 60c. Tomato, New Globe, ¼ lb., 75c; lb., $3; Comet, pkt., 25c; Sunrise, pkt., 25c. Cauliflower, Earliest of All, pkt., 25c; oz., $2.50. Vaughan's Seed Store, Chicago and New York.

Seeds, bean, beet, cabbage, carrot, kohl rabi, leek, lettuce, onion, pea, radish, spinach, turnip, swede, aster, balsam, begonia, carnation, cineraria, gloxinia, larkspur, nasturtium, pansy, petunia, phlox, primula, scabious, stock, verbena, zinnia, etc. Giant pansy, $5 per oz.; $1.50 per ¼ oz.; 75c per 1-16 oz. Henry Mette, Quedlinburg, Germany.

Seeds. Farm, garden or flower seeds of best quality. Specialties; fancy pansy, carrot, Brussels sprouts, cabbage. Golden Ball turnip. Price list on application from, The Bedfordshire Seed Co., Ltd., Sandy, England.

Seeds, Asparagus plumosus nanus, northern greenhouse grown, per 100 seeds, 60c; 250, $1.25; 1,000, $4; 5,000, $19.50; 10,000, $37.50. Vaughan's Seed Store, Chicago and New York.

Seeds, verbena, mammoth, colors or mixed, ¼ oz., 30c; oz., $1. Salvia splendens, ¼ oz., 35c; oz., $1.25; Bonfire, ¼ oz., 75c; oz., $2.50. W. C. Beckert, Pittsburg, N. S., Pa.

Seeds. Tomato, the Don, Cauliflower, First and Best. Onion, Ailsa Craig. Lettuce, Ideal. Mignonette, N. Y. Market. Weeber & Don, 114 Chambers St., New York.

Seeds. Asparagus plumosus nanus, 50c per 100 seeds; $3.50 per 1,000; $15 per 5,000. H. H. Berger & Co., 70 Warren St., New York.

Seeds, Conway's White Branching aster, trade pkt., $1; ½ oz., $3; oz., $5. F. A. Conway & Co., Indianapolis, Ind.

Seeds. Tomato Waveland, $1 per pkt., $3 per oz. H. Kuld, Box 193, Norwood, Mass.

Seeds of all kinds. H. E. Fiske Seed Co., 12 and 13 Faneuil Hall Sq., Boston, Mass.

Seeds, pansy, 1,000 seeds, mixed, 25c; 1 oz., $2.25. H. Wrede, Luneburg, Germany.

Seeds, all kinds. Bridgeman's Seed Warehouse, 37 E. 19th St., New York.

Seeds, garden, field and flower. S. D. Woodruff & Sons, 82 Dey St., New York.

Seed potatoes, Red River stock. Onion sets. Vaughan's Seed Store, Chicago.

Seeds, Davis Perfect cucumber. D. V. Burrell, Rocky Ford, Col.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Seeds, all kinds. St. Louis Seed Co., 784-786 N. 4th St., St. Louis.

Seeds. W. Atlee Burpee & Co., Philadelphia.

Contract Growers.

Seeds. We are now booking orders for Asparagus Sprengeri seed at $4 per lb., 10 lbs., $3.50 per lb. Theodosia B. Shepard Co., Ventura, Cal.

Seeds, onion, lettuce, sweet peas and other California specialties. C. C. Morse & Co., 48 to 56 Jackson St., San Francisco, Cal.

Seeds, bean, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, cabbage and cauliflower. Hjalmar Hartman & Co., 12 Stormgade, Copenhagen; 31 Barclay St., New York.

Seeds, lettuce, onion, sweet pea, aster, cosmos, mignonette, verbena. Waldo Rohnert, Gilroy, Cal.

Seeds, growers for the wholesale trade only. Braslan Seed Grower's Co., San Jose, Cal.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, garden peas and beans. Rogers Bros., Alpena, Mich.

SHAMROCKS.

Shamrocks, $4 per 100; $30 per 1,000; 60c per doz. John F. Rupp, Shiremanstown, Pa.

SPIREAS.

Spireas. Jacs Smits, Ltd., Naarden, Holland.

STEVIAS.

Stevia. E. T. Wanzer, Wheaton, Ill.

SWAINSONAS.

Swanisona alba, R. C., $1; 2-in., 2c. Byer Bros., Chambersburg, Pa.

Swainsona alba, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

VEGETABLE PLANTS.

Vegetable plants, lettuce, Grand Rapids, Boston Market, Big Boston, 25c per 100; $1 per 1,000. Tomato, Mayflower and Lorillard, 50c per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

If you do not find what you need in our Ready Reference Department, write us about it.

Lettuce plants. Grand Rapids and Black Seeded Simpson, $1 per 1,000; $9 per 10,000. B. E. Wadsworth, Box 224, Danville, Ill.

Vegetable plants, cabbage; Wakefield, Express, Winningstadt, 50c per 100. Byer Bros., Chambersburg, Pa.

VERBENAS.

Verbenas, 60 vars., R. C., our selection, 75c per 100; $6 per 1,000; plants, our selection, 2¼-in., $2.50 per 100; $20 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Verbenas, R. C., separate colors, 75c per 100; $6 per 1,000; 2½-in., $2 per 100; now ready. The Krueger Bros. Co., Toledo, O.

Verbenas, red, white, purple and pink, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

VINCAS.

Vinca, R. C., $1 per 100; $9 per 1,000; 2½-in., $2.50 per 100; $22.50 per 1,000; 3-in., $5 per 100; 4-in., $7 per 100. Leedle Floral Co., Springfield, O.

Vinca variegated, R. C., 90c per 100; 2¼-in., $2.50 per 100; 3-in., $10 per 100; 5-in., $15 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Vinca major variegata, 2,500 rooted cuttings, $8 per 1,000; 90c per 100 prepaid for cash. F. W. Meyer, Kalamazoo, Mich.

Vinca variegata, 3-in., ready to shift, $4 per 100; 4-in., $7 per 100. John S. Leach, Hartford City, Ind.

Vincas, large plants for division, 6c to 8c, Levant Cole, Battle Creek, Mich.

Vinca variegata, 2¼-in., $2.50 per 100. Jos. H. Cunningham, Delaware, O.

VIOLETS.

Violets, Boston, $2 per doz.; $12 per 100; $100 per 1,000. Wm. Sim, Cliftondale, Mass.

STOCK WANTED.

I want 300 first-class well-rooted Beacon for which I will give in exchange 600 Rose Pink Enchantress and 200 Roosevelt. Geo. F. Hofmeister, Box 810, Pittsburg, Pa.

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Buffalo Cut Flower Co., 468 Washington St., Buffalo, N. Y.

Deamud, J. B. Co., 51 Wabash Ave., Chicago.

Ford Bros., 48 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

Guttman, Alex J., 43 W. 28th St., New York.

Harty & Co., 1312 G. St., N. W., Washington.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Hunt, E. H. 76 Wabash Ave., Chicago.

Kennicott Bros. Co., 48-50 Wabash Ave., Chicago.

Kuehn, C. A., 1122 Pine St., St. Louis.

Langjahr, Alfred H., 55 W. 28th St., N. Y.

McCullough's Son Co., J. M., 316 Walnut St., Cincinnati, O.

McIntyre, John, 1601 Ranstead St., Philadelphia.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

McKissick, W. E., 1619-1621 Ranstead St., Philadelphia.

Michigan Cut Flower Exchange, 30-40 Broadway, Detroit, Mich.

Millang Bros., 41 W. 28th St., New York.

Millang, Frank, 55-57 W. 26th St., New York.

Murdoch, J. B. & Co., 714 Penn Ave., Pittsburg, Pa.

Niessen Co., Leo., 1208 Arch St., Philadelphia.

N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.

Perkins & Nelson, 57 W. 26th St., New York.

Pittsburg Cut Flower Co., Ltd., 222 Oliver Ave., Pittsburg, Pa.

Pittsburg Florists' Exchange, 217-223 Diamond St., Pittsburg, Pa.

Pollworth, C. C. Co., Milwaukee, Wis.

Randall, A. L. Co., 19 Randolph St., Chicago.

Raynor, John L., 49 W. 28th St., New York.

Rice Bros., 128 N. 6th St., Minneapolis, Minn.

Robinson, Henry M. & Co., 11-15 Province St., Boston.

Seligman, John, 56 W. 26th St., New York.

Sheridan, Walter F., 39 W. 28th St., New York.

Smith & Co., D., 111 W. 28th St., New York.

Smith & Co., W. C., 1316 Pine St., St. Louis.

Traendly & Schenck, 44 W. 28th St., N. Y.

Vaughan & Sperry, 58-60 Wabash Ave., Chicago.

Welch Bros., 226 Devonshire St., Boston.

Winterson, E. F. Co., 45-49 Wabash, Chicago.

Young, A. L. & Co., 54 W. 28th St., New York.

Young, Jr., Thos., 500 5th Ave., N. Y.

Young, John, 51 W. 28th St., New York.

Zech & Mann, 51 Wabash Ave., Chicago.

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Growers.

Bassett & Washburn, 76-78 Wabash, Chicago.

Bentley & Coatsworth Co., The, 35 Randolph St., Chicago.

Bruns, H. N., 1409-11 W. Madison St., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Elliott, W. H., Brighton, Mass.

Hill, The E. G. Co., Richmond, Ind.

Jensen & Dekema, 674 W. Foster Ave., Chicago.

Joy Floral Co., 601 Church St., Nashville, Tenn.

Muskogee Carnation Co., Muskogee, Okla.

Peacock Dahlia Farms, Atco, N. J.

Poehlmann Bros., 35-37 Randolph St., Chicago.

Reinberg, Peter, 51 Wabash Ave., Chicago.

Weiland & Ollinger, 128 E. 3rd St., Cincinnati, O.

Weiland & Risch, 59 Wabash Ave., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

Wittbold, Geo. Co., 1657 Buckingham Pl., Chicago.

Woodrow, Samuel A., 53 W. 30th St., New York.

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Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree St.

Albany, N. Y.—H. G. Eyers, 11 N. Pearl St.

Boston—Houghton & Clark, 396 Boylston St.

Brooklyn, N. Y.—Robt. G. Wilson, Fulton St. and Green Ave.

Buffalo, N. Y.—Palmer's.

Chicago—Hauswirth Florist, Auditorium Annex.

Dayton, O.—Mathews, 16 W. 3rd St.

Denver, Col.—Daniels & Fisher.

Denver, Col.—The Park Floral Co.

Detroit, Mich.—John Breitmeyer's Sons, cor. Miami and Gratiot Aves.

Galveston, Tex.—Mrs. M. A. Hanson.

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Kansas City, Mo.—Geo. M. Kellogg, 906 Grand Ave., also Pleasant Hill, Mo.

Kansas City, Mo.—Samuel Murray, Coates House Co., 1017 Broadway.

Los Angeles, Cal.—J. W. Wolfskill, 218 W. 4th St.

Louisville, Ky.—J. Schultz, 644 4th Ave.

New Orleans, La.—U. J. Virgin, 833 Canal St.

New York—W. H. Donohoe, 2 W. 29th St.

Omaha, Neb.—Hess & Swoboda, 1415 Farnum St.

Rochester, N. Y.—J. B. Keller Sons, 25 Clinton St.

St. Louis, Mo.—Fred C. Weber, 4320-28 Olive St.

St. Louis, Mo.—Young's, 1406 Olive St.

St. Paul, Minn.—Holm & Olson.

San Francisco, Cal.—J. B. Boland Co., 47-49 Geary St.

Seattle, Wash.—Woodland Seed & Floral Co., 808 2nd Ave.

Washington, D. C.—Z. D. Blackistone, 14th and H. Sts., N. W.

Washington, D. C.—A. Gude & Bro., 1214 F. St.

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Artificial poinsettias. J. Schroeder, 2253 Ontario St., Cleveland, O.

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Boilers, corrugated, firebox and sectional greenhouse heating. Hitchings & Co., 1170 Broadway, New York.

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Boilers, the Burnham boilers, made for greenhouse heating. Lord & Burnham Co., 1133 Broadway, New York

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Boilers, steel return tubular, steam or water. Johnston Heating Co., 138 E. 31st St., N. Y.

Boilers, water tube steam boilers, King Construction Co., North Tonawanda, N. Y.

Boilers, S. A. Jacobs & Sons, 1365 N. Flushing Ave., Brooklyn, N. Y.

Boilers. Myers & Co., 1122 Betz Bldg., Philadelphia.

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Cut flower boxes. Send for prices. Edwards Folding Box Co., Philadelphia, Pa.

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Building material, hotbed sash, cypress, unglazed, 95c each; in doz. lots, 90c; glazed, $1.65 each; doz. lots, $1.60. Pine sash, unglazed, 90c; doz. lots, 85c; glazed, $1.60; doz. lots, $1.55 each. Building hardware, wire and wire fencing, bolts, hatchets, hammers, etc. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Building material, lumber for greenhouse benches, shiplap, drop siding, sheeting flooring, white cedar posts, etc. We are in special position to furnish "Pecky Cypress;" everything in pine and hemlock building lumber. Adam Schillo Lumber Co., cor. Weed and Hawthorn Sts., Chicago.

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Building material of all kinds. S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Building material of all kinds. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn.

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The Anglais decoration, made in section, can be adjusted to any form desired. "Japana" flower holder, 4½-in., 50c; 3½-in., 35c; 2½-in., 25c. Garnsey, 131 S. Waiola, La Grange, Ill.

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Dried and ground SHEEP MANURE. Nature's product unadulterated. For particulars address Natural Guano Co., Aurora, Ill.

Wizard brand pulverized sheep manure, large barrel, $4 The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

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Get Diamond G. S. B. brand St. Patrick green for March 17, $1 per quart. Burton-Allison Co., St. Louis.

Green Carnation Dope, enough for pt., 50c; qt., $1; gal., $3.50. Tromey's Flower Shop, 923 Vine St., Cincinnati.

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Glass importers and jobbers; greenhouse glass a specialty. Window glass. James H. Rice, corner Michigan, St. Clair and Illinois Sts., Chicago.

Glass, greenhouse glass a specialty; also window glass. Sprague, Smith & Co., 167-9 Randolph St., Chicago.

Glass. See my low prices on any size window glass you want. Greenhouse glass a specialty. John S. Leach, Hartford City, Ind.

Glass for conservatories, greenhouses and gardeners. The Johnston Glass Co., Hartford City, Ind.

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Glass, high grade, double thick, greenhouse glass. Lord & Burnham, 1133 Broadway, N. Y.

Glass, all sizes. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn, N. Y.

Glass of all sizes. S. Jacobs & Sons, 1365 N. Flushing Ave., Brooklyn, N. Y.

Glass of all kinds and sizes. Sharp, Partridge & Co., 22nd and Lumber Sts., Chicago

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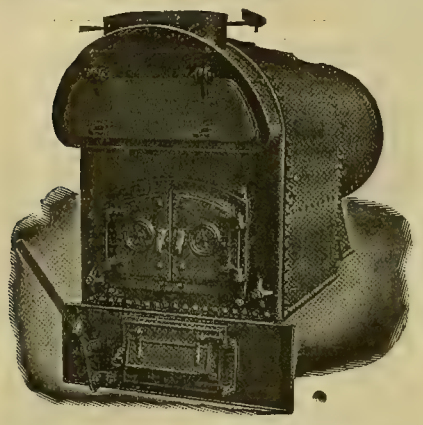
Steam BOILERS Water



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HOW?
By Installing a
MOREHEAD TRAP

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Fresh tobacco stems; 50c per 100 lbs.; $10 per ton. Scharff Bros., Van Wert, O.

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Split carnations easily mended, no tools required. Pillsbury's Carnation Staple, 50c per 1,000. I. L. Pillsbury, Galesburg, Ill.

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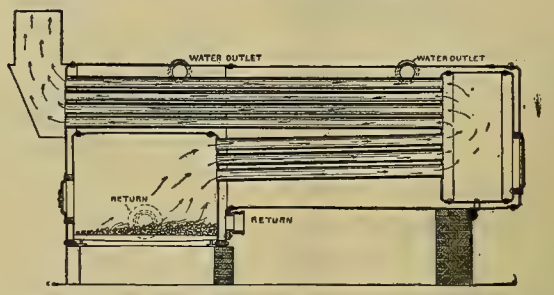
THE SUPERIOR
Return Flue Fire Box Boiler.



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MADE IN EIGHT SIZES FOR HOT WATER.
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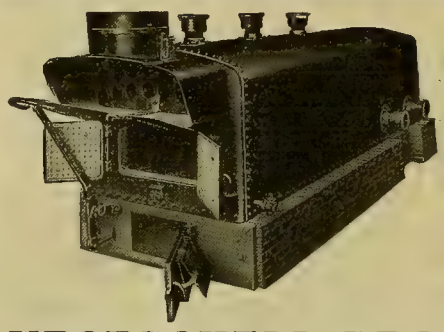

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150 New Establishments with 2,158,000 square feet of glass have installed this boiler in 1906.

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Catalogue and prices on application.

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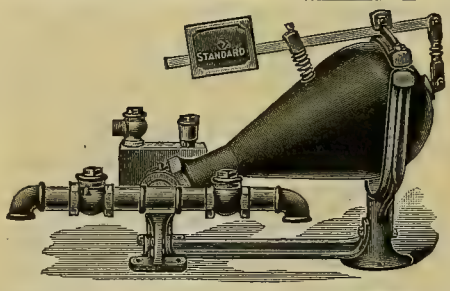

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24 sheets	$ 0.75	Pint	$ 1.50
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We guarantee that our green dope will color any white flower quicker and more thoroughly than any other process. It will color flowers such as Enchantress and will produce a perfect solid green color. Our prices: Enough dope for 1 pint 50c., 1 quart $1.00, 1 gal. $3.50. Prepaid by mail. No samples. Satisfaction guaranteed or money refunded.

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EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

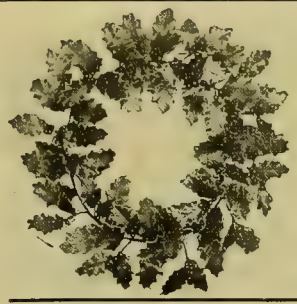
Exeter, N. H.

Business so far this season has been very good considering the hard times.

W. S. Perkins is about again after a four months' illness, with neuralgia. Fine rose stock is being cut at his greenhouses, also at the Exeter Rose Conservatories. O. Churchill, after a tour of the country improving his knowledge of the trade, has re-entered the employ of W. S. Perkins.

C. R. Brown contemplates the erection of a large greenhouse plant at Deerfield, this season.

E. A. P.



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Saint Patrick Green

THE TRUE IRISH COLOR. Order now for March 17. $1.00 the quart with order.
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Cattle Manure In Bags Shredded or Pulverized

Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.

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Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florists' Supplies.

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For the Garden, Orchard and Greenhouse

Non-poisonous and harmless to vegetation.

Kills Green Fly, Aphides, Bark Lice, Thrips, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

This is the Grower's Friend, handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. $1.50 per gallon. Also in quarts, half gallons and in bulk.

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THE BEST Bug Killer and Bloom Saver.

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STANDARD GREENHOUSE
Red Flower Pots.

size	Per 1000	size	Per 1000
1¾-in flower pots..	$ 2.60	3½-in flower pots..	$ 6.50
2 -in flower pots..	3.00	4 -in flower pots..	7.90
2½-in flower pots..	3.90	4½ in flower pots..	10.00
3 -in flower pots..	4.50	5 -in flower pots..	12 00
		6 -in flower pots..	20.00

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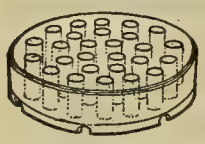
Write us for catalog and prices. stating size you require and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCray Refrigerator Co 760 Mill Street, KENDALLVILLE, IND

THE "JAPANA" CUTFLOWER HOLDER



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Made of glass in 3 sizes.
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10,000, $1.75; 50,000, $7.50. Manufactured by
W. J. COWEE, BERLIN, N. Y.
Sample free. For sale by dealers.

Mexican Indian Pottery.

Cuernavaca pottery is manufactured in the little village of San Antone, just outside the city of that name. The dwellers in practically every one of the adobe houses in the village are clay workers, and each house is a workshop. Pottery is here made entirely by hand. The clay, after being taken from the earth, is first thoroughly dried in the sun, then pulverized with a wooden mallet, and passed through the finest meshed brass-wire cloth, after which process the clay is finer than wheat flour. For mixing, a fine slime is prepared by soaking a portion of the pulverized clay in water, passing it through a sieve, and afterwards mixing the dry clay and kneading to the right consistency.

A mold of the required size for the body of the article to be made is placed on the upper portion of the old style potter's wheel, covered with the proper thickness of clay, then patted and shaped with a wooden paddle and with the hands. The Indian potter turns the model about before him by scraping his bare toes on the lower portion of the wheel, and during the revolutions he continues to smooth the clay with a narrow strip of wet cloth until the desired surface is obtained. Handles, spouts, etc., are all formed by the hands, without molds, and joined by means of the clay slime and prepared clay. The wages are about 50 cents per day.

Each family of workers are specialists in their line of work. Many forms and designs are produced, but only one design in one family. The potter who molds flower pots cannot mold water bottles, nor can the one who molds water bottles mold figures. The worker teaches his son to perform the same task as his own, and should he have no son the knowledge of the special form or design of his work is lost at his death. By way of illustration, I was told of an aged Indian who had for many years furnished the firm with a special form of jar, known as the "Montezuma." The Indian died, leaving no heirs, and the loss of this particular article, which was naturally a rarity commanding a good price, resulted.

LENOX, MASS.—John O'Brien is seriously ill.

THE KELLER POTTERY COMPANY,
Manufacturers of FLORISTS' RED STANDARD POTS.
Azalea Pots, Bulb and Fern Pans, Etc.
Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

The Ionia Pot is the Best Pot.

That's the reason why it was necessary to double our capacity in 1907 to take care of the trade of 1908. Our factory equipment is the best. Our output is the largest.
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Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2-in., in crate,	$4.88	120 7-in., in crate.	$4.20
1500 2¼ "	5.25	60-8 "	3.00
1500 2½ "	6.00	HAND MADE.	
1000 3 "	5.00	48 9-in., in crate,	$3.60
800 3½ "	5.80	48 10 "	4.80
500 4 "	4.50	24 11 "	3.60
320 5 "	4.51	24 12 "	4.80
144 6 "	3.16	12 14 "	4.80
		6 16 "	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers. Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address
HILFINGER BROS POTTERY, Fort Edward, N.Y.
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DETROIT FLOWER POT M'F'Y.
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Plants grow best in our Porous Pots.
STANDARD FLOWER POTS, Azalea Pans, Hanging Baskets, etc.
Send your orders early.

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Price list and samples on application.
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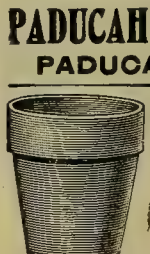

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DOVER, N. H.—Chas. L. Howe has purchased the business of D. E. Dow of Laconia, which was established 28 years ago, and he will conduct the same in connection with his extensive business in this city. A part of his plant at Laconia is a big store, situated on Main street, between 60 and 70 feet long.

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Floriculture at the University.

A paper by E. Davenport, read before the Illinois State Florists' Association at the third annual convention at Springfield February 18-19, 1908.

Illness, from which I have not yet fully recovered, compels me to send this brief greeting instead of the more formal address I had hoped to prepare for this meeting. I am not familiar with the technical affairs of floriculture, and in that shall need to be guided in my recommendations by those whose knowledge in these matters may be assumed to be expert. I need no help, however, to fully appreciate the importance of the subject, not only to those engaged in it as a business, but also to the university and to the state at large.

The appropriation which you secured is for research into those phases of floriculture that will make the business less hazardous, more profitable, and better able to serve a public whose demand for flowers is growing both in the number and the quality of the orders. The first business of the experiment station is, then, to carry on such investigations as shall accomplish these ends as directly and as completely as possible. A beginning has been made, and when the houses are erected that are now being planned it will be possible to still further enlarge the work.

If I do not greatly mistake the ideas of the florists, we are not to stop at the present stage of things. I believe that your action and your achievements up to date are but a part of a larger thing that was born when you were successful in landing the present appropriation. Such an interest as this cannot come to the university without exerting the greatest influence upon all the other interests on the campus; indeed, I believe it is the business of the university and your advisory committee to plan and conduct these intrests from the first in such a manner and upon such a scale as shall uplift the whole institution and go far toward increasing the sentiment for the beautiful as well as for the useful in life.

There is no doubt that the people of the Mississippi valley will be a great and a rich people. They will be industrially and commercially the peers of any people of the earth. It is inevitable that this should be so. The unanswered question yet is, "Will they also be artistic?" Those who have studied our race the closest insist that we have all the elements of the artistic instinct in the best sense of the term. Manifestly it must be cultivated along with our other instincts if we are to develop as a well rounded people who know what to do with our money when we have earned it.

In this large field of higher development you and your interests are to exercise a large and lasting influence. It has begun none too soon. The first work of the experiment station was to meet the first demands, and these were naturally for things that would "pay;" for investigations that would make farming more profitable. Your action on behalf of floriculture was the first of its kind, and your university is the first to assume an obligation to do what it can for an interest that is not only commercial but is also eminently artistic, and, in my way of thinking, great things will come of it.

Floriculture is a new subject from the university standpoint, and as a consequence few men are trained to do the work that needs to be done at this time. This interest is yet, so far as trained specialists are concerned, in much the condition which agriculture as a whole occupied when the stations started late in the 80's. There were many successful farmers, a few successful teachers of agriculture in a small way, but no investigators. There are many successful growers of flowers, only a few who have attempted to teach the subject even in an elementary way, and almost nobody who has distinguished himself as a competent investigator in the broader field of floriculture. So we are placed in the position of together working out a plan not only to achieve a definite purpose, but to make the organization and the machine to produce it. I am not without experience in this sort of thing. I know it is a slow job, but I know, too, that with a healthy sentiment, such as I believe we all have, with high ideals, and large purposes such as we certainly have, with patience to persevere, and with faith in ourselves and in each other, which I am sure we possess, and with the money which I feel certain the state will provide—with all this we shall accomplish things worth while.

Our aim should be nothing less than the cultivation of the sense of the beautiful, the stimulation of the buying instinct and the knowledge and taste for good flowers and artistic decoration as well as the means of preventing losses. All this will make the florists' business more profitable and at the same time will go far toward cultivating the artistic spirit in the state, and to bring about a millennium of outdoor art in this country. I am especially anxious that in the working out of these plans, in whatever form they are attempted, there shall be established and maintained at the university such a plant and such an atmosphere in things floral as shall be of lasting influence upon the young people of the state, and in every way a credit to the interest represented by this body.

Grubs in Carnations and Geraniums.

ED. AMERICAN FLORIST:—

We are bothered with some kind of a grub, similar to a cabbage cut worm, in our geraniums; also with some kind of a grub in one of our carnation beds. It cuts off the carnation stem and works in the buds. Please advise us what to do to get rid of them.

B. & Z.

You should have sent us samples of the insects and we could probably have helped you. Do this, and in the meantime keep a close watch, especially at night, and destroy all the grubs found.

G.

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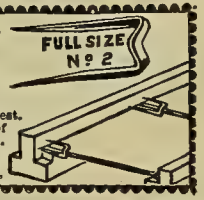

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SADDLE RIVER, N. J.

St. Paul.

BUSINESS GOOD.

Trade continues first class with plenty of good stock. Roses have improved some in quality as well as quantity but there is no surplus. American Beauty sells very slowly, one store having given up keeping a stock on hand altogether. Bulbous stock is plentiful, good quality selling readily and the poorer grade finding very few buyers.

Holm & Olson have filed articles of incorporation with a capital stock of $75,000, S. D. Dysinger being the new member of the firm. They report business as having doubled in their new store.

The next meeting of the Twin City Florists' and Gardeners' Club will be held in this city the third Tuesday in March.

Otto Hiersekorn has taken out a building permit for a fine house on one of our best residence streets.

Frank Gustafson of the St. Paul Floral Co. contemplates rebuilding part of his old houses early this spring.

Several market gardeners are building or intend to build greenhouses for raising spring plants in.

All the regular bulb salesmen have now been here and everyone seems glad that the siege is over.

J. Cornandros, who runs the Golden Rule flower department, reports business good.

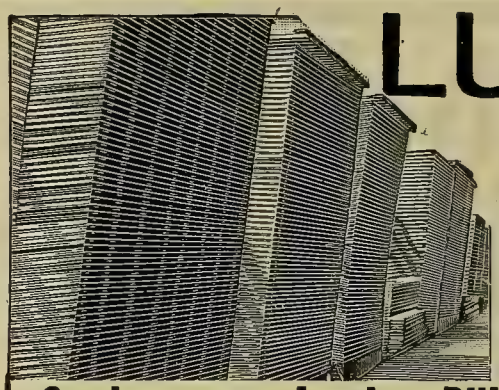
Carl Haugen is sending in some very fine violets both single and double.

Charlie Vogt says business is better than ever.

Visitors: A. N. Kinsman, Austin; Harry Bayersdorfer, Philadelphia, Pa., and wife on their return from the coast and W. Greisinger of Ghent, Belgium.

O.

NEW ALBANY, IND.—Business here is away ahead of last year and the outlook is very encouraging, according to Anders Rasmussen. He has bought glass for a new carnation house 12x300 feet and for a propagating house 10x150 feet.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Send us your Lumber Bill for Our Estimate.
We bought at Manufacturers' Sale over 50,000,000 Feet of all kinds of Lumber and Finishing Material. We are making special concessions, to those who buy at once. Even if you have no use for this lumber at once, it will pay you to buy now. Our prices will save you 30 to 50 per cent.
We cheerfully invite inspection of our Lumber stock and will be glad to have you come to our warehouse and yards at Chicago, see the lumber we are offering, and you will recognize that it is all what we say of it; make your own selection and see it loaded. It is not necessary to come to Chicago; we can easily sell you by mail. We can quickly convince you of the wisdom of placing an order with us. Just send us your lumber bill, and we will easily *"Show You."* On application we will send copies of letters from customers who have bought. They saved money why can't you? Write us to-day. *WE PURCHASED EVERY EXPOSITION, INCLUDING THE $90,000,000 ST. LOUIS WORLDS' FAIR* ASK FOR OUR FREE 500 PAGE CATALOG, No. C. H. 47. IT QUOTES LOW PRICES ON BUILDING MATERIAL, MACHINERY AND FURNITURE.
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CATCHY PRICES. QUICK DELIVERY.
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THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXX. **CHICAGO AND NEW YORK, MARCH 7, 1908.** **No. 1031**

THE AMERICAN FLORIST

TWENTY-THIRD YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—FRANK H. TRAENDLY, New York, Pres.; W. N. RUDD, Morgan Park, Ill., Secy.; H. B. BEATTY, Pittsburg, Pa., Treas. Next meeting at Niagara Falls, N. Y., August, 1908.

THE NATIONAL FLOWER SHOW.

CHICAGO, November 6-15, 1908.

Wm. F. Kasting, Buffalo, N. Y., is chairman of the general committee in charge. Chairmen of sub-committees follow:

EXECUTIVE AND FINANCE—Wm. F. Kasting, Buffalo, N. Y.

AMERICAN EXHIBITS—Ph. Breitmeyer, Detroit.

FOREIGN EXHIBITS—E. G. Hill, Richmond, Ind.

PREMIUM LIST—W. N. Rudd, Morgan Park, Ill.

ADVERTISING AND PUBLICITY—J. H. Burdett, 1411 First Nat'l Bank Bldg., Chicago.

LOCAL MANAGEMENT, PRIVILEGES AND CONCESSIONS—J. C. Vaughan, Chicago.

SPECIAL FEATURES—Otto G. Koenig, 6471 Florisant Ave., St. Louis, Mo.

RECEPTION—Aug. Poehlmann, Morton Grove, Ill.

AUDITING—J. A. Valentine, Denver, Colo.

TREASURER—I. C. Bertermann, Indianapolis, Ind.

The above chairmen have power to select their various committees from the general committee of 50 or the members of the S. A. F. at large.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition at Chicago, March 25-27, 1908. ROBT. SIMPSON, Clifton, N. J., president; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., secretary.

AMERICAN PEONY SOCIETY.

Fourth annual meeting at Ithaca, N. Y. June 1908. C. W. WARD, Queens, N. Y., Pres.; A. H. FEWKES, Newton Highlands, Mass., Sec'y.

It is the roaring month of March,
The wild northeaster bends the larch;
The gray rain, beating on the wold,
Has closed the crocus-cups of gold.
But there will be an April day—
The thrush will pipe another lay,
And we will find on greener hills
White violets and daffodils.

SUGGESTIONS FOR PLANT GROWERS.

Plants for Window Boxes.

The filling of window boxes is a lucrative branch of the trade in many towns and it is well to take a look around now and see what plants are coming along in this direction. Marguerites we recently referred to and one of the best subjects to go with these plants is a good scarlet geranium. Prepare some of the best of the bedding plants for the purpose by giving them good room and pinching so that the flowers will be on time. No further pinching of the shoots after this will be necessary but, if it is apparent later that some of the flowers are going to be too early, pinch these out. The pots in which these plants are grown should be as small as possible, consistent with keeping a healthy plant until June, 3½ or 4-inch being the limit or much difficulty may be found in filling the boxes. Good, brightly colored coleuses are a great help and seedlings may be raised on time if the seed is sown right away. Where there are plenty of stock plants put cuttings in now. A light soil and position in the full sun is best to bring out the color of these plants. Thunbergia alata if sown as described recently will soon be ready for pricking off. Never let the young plants suffer for want of attention, and pinch the shoots once or twice to induce a bushy habit. Cuttings of tradescantia and panicum may be struck now; place six cuttings of the former and a dozen of the latter in 2-inch pots over a gentle heat and useful little stock will result. The bright vermillion, double nasturtiums are excellent for the purpose, bright, free flowering and constant. Get the stock plants out and cut back a little to produce growth shoots for cuttings. In three weeks from now there will be plenty of nice little stubby side shoots, that, if struck then, will be in good time for the purpose indicated.

Hybrid and Rambler Roses.

The plants of these roses, in some cases, may not be any too well rooted and considerable care will be necessary with the watering. The stored up energy in the stems keeps the shoots going for a short time but, unless the roots are working well, any attempt at forcing is bound to fail, the shoots growing a few inches and then collapsing suddenly. A gentle heat to the roots and a cool temperature overhead will help any plants that are only doubtful as to roots, but it is better to hold them out of the forcing house entirely until there is no doubt in this matter and the young roots can be distinctly seen around the ball when a plant is turned out of its pot for examination. The later plants now being brought in must be well pruned back and there must be no mistake about this. The hybrid perpetuals must be got back to real solid growth. The tall growers like Paul Neyron and Mrs. J. Laing need a little more growth left on than General Jacquimenot and the more moderate growers, but in any case cut back to hard growth without pith that stands up well to the knife. In cutting back the ramblers this is not so important as, even though the top shoots may fail, the entire plant is not ruined as it is with the hybrids. But cut back to firm wood if good flowering shoots are to be had. Keep a sharp look out for the leaf roller, green fly or other insects on the plants advancing for Easter but do not fumigate more than is really necessary. By no means allow insects to get ahead. One light fumigation early will check incipient attacks which, if allowed to go on, would necessitate heavy and possibly harmful fumigation.

Spirea Japonica.

After the clumps of Spirea Japonica are well rooted and growing freely it is almost impossible to overwater them. A pot saucer filled with water under each plant helps later when the sun is bright but is hardly necessary yet. In no case must the plants be crowded. As the heads develop they must be constantly shifted around and will need a new stand every week or two. Once the plants get drawn or onesided they are ruined in appearance for good but if they have plenty of room so the light reaches them at all angles and from all points they make fine shapely specimens. Better grow fewer plants and do them well than a number of unshapely ones. Grown in a light house from the first, this spirea is seldom damaged by

sunlight in large houses unless night moisture settles on the leaves and early ventilation is neglected. Watch this carefully as the season advances or the plants will be injured; owing to the small size of the pots these are usually grown in, some feeding will be required when they are finishing.

Genistas for Easter.

If the directions previously given have been carried out, no further pinching will be needed and the late plants can go straight away for flowering. The roots will have taken a good hold of the new soil and a little feeding may be given, increasing this by degrees until the flowers show color. Standard plants like that shown in the accompanying illustration are best for not being trimmed or clipped in too closely; the plants are more graceful when allowed to make a more or less natural growth which would be out of place in the ordinary bush shaped plant as grown for market. Anyone desiring to grow such plants should select young specimens with as straight shoots as possible and run them straight up to the desired height when they may be stopped and a head gradually formed by stopping the side shoots as they appear. It will take at least two seasons' growth to get well furnished specimens from the time the young plants are selected for the purpose and each year, of course, they will improve. Summer is the time for growth and as soon as the flowers are past the shears may be used to clip them into shape. Then let them grow naturally, only stopping any shoots that seem to be taking an undue lead at the risk of spoiling the symmetry of the plant. The genista is a stronger feeder than the majority of hardwooded plants and to get the best results must never be allowed to suffer for want of manurial sustenance. Guano, changed occasionally to soot water, is good feed for the plants, but practically any good fertilizer, properly used, will be suitable. It is a good, clean growing plant, not especially subject to insect pests, and its culture will well repay anyone who takes it up intelligently.

THE AUDITORIUM, OKLAHOMA CITY, OKLA.
Where Flower Show Will be Held Next May.

Horticulture in Alaska.

Through the courtesy of Oscar Gard, a business man of Skagway, Alaska, we are enabled to present a number of illustrations of fruit, flowers and vegetables grown in Alaska. Mr. Gard, who is a native of Ohio, but has been for some time a resident of Alaska, revisited his old home this winter and continued his trip to New York. While in Gotham Mr. Gard met some people who seemed surprised that he did not wear a bearskin cap, and go generally clothed in the skins of animals, and being of a humorous temperament he enjoyed the joke. Quite by accident, he was met by our representative, and on his return to Skagway he sent the photographs here shown. It would appear that the horticultural possibilities of that part of Alaska are very promising. The photographs are by Case & Draper of Skagway.

In reference to progress in the northwest the Seattle Post Intelligencer had in a recent issue an interesting article and a cut showing the large greenhouse establishment of the H. Harrington Co. at Vashon from which we cull the following:

"Not more than a look distant, and a short one, from the little frontier store building, out of the doorway of which the storekeeper shot a bear only a few years since, I came upon the trail of an automobile. And, following this a few rods, I arrived at the substantial gate of a 200-acre farm. Not a common or an ordinary farm, but a greenhouse farm, a nursery farm, a flower-bulb-growing farm, and aside from these, in some sense, a general farm, since there are meadows and barns and fields. This on Vashon island, King county.

"This place of rather unusual proportions for the Puget sound country, and of unusual accomplishments for any country, is the Harrington farm. If you make any inquiry of neighbors or nearby settlers concerning it you will be told that it is a 'great place, with whole acres in greenhouses,' nor does this strain the truth particularly. But its size and its greenhouses are not all. 'Acres under glass' has a large sound and it means much, but it is literally true of this Vashon island place, for in greenhouses of modern type and improved construction there are enough to cover about three acres. And these are all equipped with modern heating and regulating devices. Thousands of chrysanthemums, violets, carnations and lilies are grown. An orchid house has been established, and this is well filled with these plants.

"Outside the greenhouses are the rose gardens and beds, the flower bulb gardens with 100,000 bulbs, most compactly but thriftily growing, for this is a bulb country; the nursery rows, the hotbeds and the odds and ends of curious or beautiful or rare plants and shrubs which are necessarily a part of the stock of the nurseryman. Last of all, almost pathetic when we think of it, the humble meadow and the wide fields more or less unused as yet, but which would be brought out to be the pride of the average farm. Gradually these are being encroached upon. The flower grower's need of space increases but gradually, however certainly, if success is with him.

"A steam plant, two large boilers and all the extended appurtenances provide

HORTICULTURE IN ALASKA.
Home of Lee Guthrie, Skagway.

the necessary heating. And there are water works and lighting plant and stables. All this is where there was nothing but the rugged, unmastered wild but a few years ago, and where even now one must follow a trail road, unmarked by human habitation, through deep, rough, picturesque and practically virgin forest gulch for a mile or more from the water front to reach the site of this remarkable enterprise."

An Oklahoma Exhibiton.

The illustration herewith shows the plan of the new Auditorium at Oklahoma City, Okla., with the arrangement of floor and balcony seating space for the flower show, which is to be held there March 16-23. The show is to be opened by an automobile parade, prizes being given for the most tastefully decorated cars. There is every probability of a fine and successful show being held, as the manager of the building will give liberal prizes. The board of park commissioners has also taken hold and W. H. Clark, secretary, informs us that the board will exhibit, and has determined to do everything possible to make the show a success. It is to be hoped that northern and eastern florists will participate and help to give the new show a good send-off.

The Private Gardener.

A paper read by Robt. Craig, Philadelphia, Pa., before the Massachusetts Horticultural Society at Boston, February 29, 1908.

I use the term "Private Gardener" because it is one in common use and well understood to distinguish one who has charge of a garden or grounds and cultivates vegetables, plants and flowers, not to sell, but for the use of those who employ him to do this work. The gardener assists and directs nature in producing everything which grows out of the ground for man's use; for the gratification of his palate, and which is capable of ministering to his sense of beauty. His work is to provide not only food for the body but also "food for the soul." We sometimes see an advertisement in the daily papers like this: "Wanted a gardener who understands care of horses" or "who can milk." This is a sad abuse of the word; what is wanted is a handy laborer, or man of all work; much that I shall say today cannot specially be applied to him.

I know that my audience includes many who are not gardeners, but I feel that they, in their interest in the subject, will pardon me if the greater part of my remarks are directed specially to gardeners. I choose the subject because I conceive that it is one of more importance than is generally assigned to it and that the private gardener is likely to play a part of continually growing importance in American life. His influence on the future of horticulture is powerful for good or for evil. If he be a capable, energetic and honest man, he will do such work as will make his employer a patron of gardening, and if he be ignorant, careless and dishonest he will not only ruin himself, but will damage the cause he misrepresents. Allow me to recite a couple of instances occurring in my own neighborhood which illustrate this point:

I was well acquainted with a wealthy gentleman who built new greenhouses and started to improve the grounds surrounding his fine mansion. He was fortunate in securing a fine English gardener, newly arrived in this country; his place rapidly improved under the new gardener's care and after two years work, when the owner saw he was getting good results, he became greatly interested, and invested freely large sums to carry on the improvements and enrich the grounds with plantings of rare and beautiful trees and shrubs; he built additional greenhouses, bought many plants, and also a fine collection of orchids. Everything prospered and was a source of great pleasure to the owner and his friends, when suddenly the good gardener was stricken with an incurable disease and had to give up work. The place was then put in charge of his first assistant, a young man about 26 years old, who was given a fine opportunity to make a name for himself, but he could not stand even a little prosperity; took to drinking and playing the races, and during a spree in which he did not put in an appearance for two days, an accident to the boilers resulted in the entire stock of plants being frozen to death. The owner, who had plenty of money to spend in gratifying his tastes, lost all interest in gardening and became a liberal patron of other fine arts. His collection of paintings and examples of fine sculpture are known far and wide, but the greenhouses are empty, the garden neglected, and it is not likely the owner's interest in these will ever be revived.

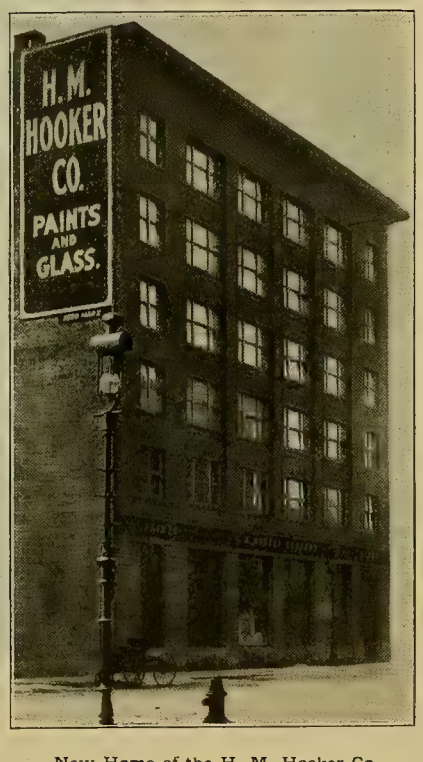
Another instance coming under my immediate observation interested me still more: One of the wealthiest men in the neighborhood of Philadelphia, retiring from active business, built one of the finest mansions in the state, employed the highest talent in landscape gardening and, with a large force of men, in a couple of years had the new place greatly improved. He employed a young German gardener who had previously at a salary of only $60 per month made a good name for himself; gave him entire charge and he worked with such intelligence, industry and honesty, that the employer built for him additional ranges of glass about two years ago at a cost of $50,000, and allows him to spend annually a large sum in improving the place. Only last summer he took a trip to Europe at his employer's expense with

GENISTA FRAGRANS IN 9-INCH POT FOR EASTER.
Grown by Robt. Craig Company, Philadelphia.

power to purchase such rare plants as he might select. His salary is now quite satisfactory to him. "Oh!" you say, "this was a rare case"; perhaps it was, but I am sure at the rate wealth is increasing in this country the number of such places will steadily increase. I like to quote Lord Bacon on this point: "When ages grow to civility and elegancy men come to build stately, sooner than to garden finely as if gardening were the greater perfection."

Before proceeding further it may be well for us to consider that we are in Boston; Boston, a city rich in horticultural history, has always been foremost in encouragement of advanced gardening. Here in 1829 the Massachusetts Horticultural Society was incorporated "for the purpose of encouraging and improving the science and practice of horticulture." Ever since, and before that time, Boston has been the foremost American city in horticulture. In 1822 the first gardening periodical, The New England Farmer and Horticultural Journal, was founded; followed by Hovey's American Garden and Barretts' Horticultural Register in 1835. The first greenhouse in the country, history says, was built in Boston by Andrew Faneuil about the beginning of the eighteenth century. And today, in the excellence of its parks and private gardens, in proportion to its population, it is easily in the front. Those who love gardening in any branch, find in Boston a congenial atmosphere; Boston has been the home and scene of the life work of many famous gardeners. I look upon Jackson Dawson as the best all around propagator and plantsman that America has known, and the late Fred Harris for nearly half a century at Hunnewell's famous place at Wellesley was a model for private gardeners to imitate.

The problem of how a gardener should set about preparing himself for his life work is, in this country, a serious one. In the older countries of Europe, opportunities to acquire a thorough knowledge of all departments are plentiful. There are so many estates on which the grounds are admirably planned and planted and where there are numerous houses adapted for propagating and growing everything for the garden; cold pits and cold houses; experiment stations; intermediate houses and stove houses with graperies, fruit houses and hotbeds so that a man may get a thorough knowledge of gardening in all branches; and there are many commercial places which carry on all lines and where boys may go and learn the business as they grow to manhood. There are only a very few such commercial places in America. In this country almost all the trade establishments cultivate specialties as roses, carnations or palms. Nearly all of our good all around gardeners got their training abroad, and it is well for any young man who can get a chance to learn gardening under such a man, either on a large private place or in a park, some of which in the larger cities I am glad to say, have now large ranges of glass and grow everything but vegetables which is a very important branch and of which I may have a few words to say later. Some of our colleges have now facilities for teaching gardening. I wish that all of the colleges would follow the example of Cornell, where they have six greenhouses in which students may gain a practical knowledge of plant growth, learn how to prepare soil and manure, and have opportunity to gain a general knowledge of advanced gardening. Many of the colleges have now a course in forestry, and I understand that young men getting diplomas, if otherwise fitted, can readily procure employment at fair salaries. It seems to me that the time is now ripe for all the leading colleges to build ranges of glass and have courses in practical horticulture. Graduates from these classes, otherwise desirable, would have an advantage over uneducated men in securing the best positions. The recent establishment of classes in landscape gardening by the Florists' Club of Boston, is of great advantage to those near enough to take advantage, and is an example for all similar institutions everywhere to imitate.



New Home of the H. M. Hooker Co.

See page 276.

Important as is the subject of forestry, gardening is equally so. We can see, on the part of American business men, a growing disposition as soon as they are financially able, to establish gardens for their use and enjoyment and as the most pleasant refuge from our all too-strenuous business life. To the gardener who wants to improve himself, books are a paramount necessity. The recorded wisdom of the ages is at your service here. Nicholson's "Dictionary of Gardening" and Bailey's "Cyclopedia of American Horticulture" should be in the possession of every gardener; they describe nearly every plant in cultivation and their cultural notes are of very great value. I will not attempt naming all the good books but cannot refrain from mentioning Jenkin's "Art of Propagation and Improvement of Cultivated Plants"; Professor Taft's "Greenhouse Construction"; Hunt's "How to Grow Cut Flowers"; Henderson's "Practical Floriculture"; Falconer's "Mushrooms and How to Grow Them"; Elwanger and Reynolds Hole's books on roses; Downing's "Fruits and Fruit Trees"; Peter Henderson's "Gardening for Profit"; Mrs. Van Rensellaers' "Art our of Doors"; "The Principles of the Harmony and Contrast of Colors," by M. E. Chevreul; Herrington and Smith's works on chrysanthemums.

Cultivate a love for books; it is a habit that grows by indulgence; as the fondness for books grows you can add to your library; all the larger seed houses now carry the best of the horticultural books which you are privileged to look over and select according to your needs or taste. Subscribe for one or more of the trade papers and get your names on the lists of the agricultural stations so as to get up-to-date information, the results of the latest experiments along all lines. The seedsmen's catalogues are great educational factors; I know of no greater improvement horticulturally than in the character and contents of these valuable publications. A gardener should study natural landscapes so as to readily apprehend their points of beauty and their beauty as a whole, and then with "The art that doth mend nature" put the finishing touches thereto.

Every garden may be made more interesting by excelling in some specialty; every gardener should have a hobby. If the place be a small one and your opportunity meagre, take in the flower line. Pansies, verbenas, Phlox Drummondii or the herbaceous phlox, and, in the greenhouse plants, cyclamen, cineraria, primula, etc. By saving your own seed, carefully selecting, year after year, the finest, it is astonishing how you can improve the varieties in any species. Like results follow a similar course in vegetables. Buy, for instance, the finest varieties of corn and select from these for seed the ears that contain the greatest average of good points, as flavor, size and good appearance, and you are likely to get corn better than you can buy. Or if your place and opportunity are greater start for instance making a collection of conifers (in groups or in single specimens) or a collection of rhododendrons or lilacs, of which there are now so many fine kinds, or roses, paeonias or similar plants in the hardy garden. You will find in a few years your constant and careful pursuit of your hobby will result in making you and the place you represent, more or less famous, and your application to work along a special line will enable you to give valuable points to your fellows. As Emerson says "If you make shoes better than anyone else you will find a path beaten to your cottage door."

It is profoundly interesting to study how new varieties come. Nature works, often we know not how, in bringing forth new varieties, the influence of heredity undoubtedly prevails to some extent and instances are not wanting to show that it does. Let me give you just one in my own experience: Three years ago we made a number of crosses in carnations using the variety Harlowarden as one of the parents; you will recollect that this sort had a very long, very desirable stem and we noticed that about one-fifth of these seedlings had this Harlowarden stem, but there were characteristics developed in a number of seedlings which had no visible connection with either of the parents. Sometimes, however, the influence of both parents can be distinctly traced. Time will allow me to mention only one or

two instances: Many of you will recollect the introduction of Daybreak carnation, a charming variety which had not many stems, but these were long and stiff and every shoot produced a flower. About the same time was introduced Tidal Wave which produced many stems but lacking in length; the crossing of these two varieties produced the famous Lawson which inherited the good points of both varieties. Among the seedlings with Lawson blood has been found Enchantress, which I think has more good qualities than any other variety, and following along this line has resulted in producing a free blooming vigorous type which has made Peter Fisher famous. The results of M. H. Walsh's work in roses of the Wichuraiana type are little short of marvelous; the man who does such things is a public benefactor. But if, while man can do something in breeding from types, nature is always at work and often produces, we know not how, valuable "breaks" in seedlings or sports, which are frequently lost because the gardener fails to recognize their merits and propagate and perpetuate them. Private gardeners have done much in the past to preserve and propagate good new things and should be ever on the alert to take advantage of any opportunities along this line which kind nature may afford. The famous Seckel pear was a chance seedling found growing along the roadside and man had no hand in its origin, but some one should receive the blessings of generations for preserving and propagating it.

One of the main branches of work for the private gardener is the growing of vegetables. Our enterprising seedsmen are continually introducing new varieties and a large percentage of these novelties have merit and occasionally there is a great advance over previous varieties. Be ever on the alert for the good new things. There should be an abundance of vegetables for spring, summer and fall and, where the facilities exist, in the winter also. George Elliot says: "No man can be wise on an empty stomach," and Ben Johnson that: "A good dinner lubricates business." No dinner is complete without fresh vegetables and many of the very finest, most luscious and delicately flavored cannot be purchased in the markets, because they do not pay to grow commercially. If you can furnish your employer a regular supply of these dainties, you will find yourself in close touch with him and he is likely to help you in any of your plans. Vegetables grown under glass are superior to those grown outdoors in tenderness, crispness and fine flavor and every large garden should have special houses or ranges of houses for this purpose; these need not be expensive structures and may be in any out-of-the-way place so as not to interfere with the architectural effect of the plant structures. Connected with these vegetable houses there could be other inexpensive houses where seedlings could be started, dormant plants kept and much of the repotting and unsightly work done, thus giving opportunity to keep the show houses more attractive.

Now, a few words on the importance of industry. From the very earliest times, the great men have extolled the value of industry: "Go to the ant thou sluggard, consider her ways, and be wise," has served for the text of many a powerful sermon; the expression that "genius is only an infinite capacity for work" has been endorsed by many thinkers. Napoleon said: "I have never found the limit of my capacity for work." In short, the men who have made their mark in the world have been at a loss for words to express themselves strongly enough on the subject. Don't be afraid of work and don't forget that "Folks

Linus Fenical.

who never do more than they are paid for, never get paid for more than they do." Let not the amount of pay be your main consideration; rather see how much and how well you can do the work; the real reward that life holds out for work is the increased capacity to do more and better work, and consequently greater satisfaction and enjoyment. The man who wants an indolent life is not fitted for a gardener. Many good men fail to do their best for want of courage, and faith in themselves, and from lack of energy and ambition; there are not so many failures from want of capacity, Herrick says: "The great man is not so great as folks think, nor the stupid man so stupid as he seems."

New Geranium Fenical.

See page 276.

The late Peter Henderson, a great gardener, close observer and successful business man, often said that he did not think there was so much difference in the mental capacity of men as in their courage, ambition and industry. Have faith in yourselves and loyalty to your employer. I am fond of the saying of Fra Elbertus: "If put to the point, an ounce of loyalty is worth a pound of cleverness." Don't be afraid to undertake all the time bigger things; your ability will grow in your earnest attempts to accomplish; and, don't be afraid of manual labor if occasion require; it will not lessen, but increase your mental power. A stiffening and strengthening of the spinal column begets no weakness of the mind: "A sound mind in a sound body." The immortal Lincoln split rails, and it was only recreation for Gladstone to cut down immense trees with an axe. The advantage of outdoor exercise is recognized everywhere. The orator in the English parliament exclaimed: "The battlefields of England were won on the cricket fields of Eton"; there was as much force in the rejoinder of the Irish member: "They were won on the bogs of Ireland."

One of the most encouraging points in gardening is the improvement in greenhouse architecture since the days of small glass and heating by brick flues. Many of the more ambitious structures of early date were failures for practical purposes; architecturally effective, they were frequently poorly heated and otherwise defective from a cultural standpoint. Thanks to frequent consultations in recent years between architects and advanced gardeners, the more modern houses have gained in appearance and are almost perfect in producing results.

The problem of compensation for gardeners is an interesting one; most gardeners think it is a poorly paid work and perhaps it is, considering how much has to be learned. I think, however, the money reward rests largely with the individual; there can be nothing like a uniform scale of wages. I had, for instance, paid my foreman about $1,200 per year, but I must say that one to whom I paid $2,000 was the most profitable one to me. I think, on the whole, the outlook for first class gardeners is good. Never in the history of nations has wealth increased so fast as in the United States during the past quarter of a century, and a majority of the wealthy men will, in the future, I venture to say, find their highest pleasure in developing their gardens and country estates.

On the fine old estates in England, France and Germany, no one is more respected, nor in closer, kindlier touch with the owner than the head gardener. As fast as men fit themselves in character, deportment and ability, this is coming to pass here; but, admitting that salaries might in some cases be justly increased, we must not forget that gardening has many advantages for those who are fond of it; it is the most healthful of all occupations; it is one of the fine arts. Ruskin has defined fine art as any in which the head, hand and heart work together. I cannot see why the gardener cannot take as much pleasure as the owner. "He who ad-

mires is the real possessor," "there is no ancient gentlemen, but gardeners."

"Give fools their gold and knaves their power
Let fortune's bubble rise and fall
Who sows a field, or trains a flower,
Or plants a tree, is more than all."

Linus Fenical.

Linus Fenical, of Middletown, Pa., the originator and grower of the beautiful geranium, Fenical, was born November 4, 1849, in Perry county, near Carlisle, Pa. The love of flowers was a passion with him from childhood; the desire to grow flowers grew with him. Fifteen years ago he started in business in his home town, and from a small beginning has established a fine trade. Seven years ago he started the growth of the geranium, Fenical, experimenting and improving, until he has it now to be the perfection of geraniums and ready for the market. By many in the trade, he is considered a leader among geranium growers, as his annual output numbers thousands of plants. He has a large glass area and grows all kinds of flowers and plants; but makes geraniums a specialty. Being a conscientious and painstaking grower, he has, before advertising this new variety, made ample preparations with a clean, healthy stock of thousands of plants, to fill all orders in a satisfactory manner.

The H. M. Hooker Co., Chicago.

The H. M. Hooker Co., the old established and well known paint and glass house of Chicago, is now comfortably established in its superb new fire proof building at 120 to 128 Washington boulevard. This building has been erected by the firm during the summer and fall expressly for its business and is probably the most perfectly adapted for the handling of this class of business of any building in the country. The building is of re-inforced concrete construction throughout, the outer walls only being of brick, six stories in height above basement, with a frontage of 120 feet on the boulevard, and a depth of 186 feet to Meridian street, this street in the rear affording most excellent loading and shipping facilities; these are supplemented by a court 20 feet in width extending along the entire west side of the building. The offices and show room front on the boulevard and are exceptionally light and pleasant. The building is equipped with one passenger and four freight elevators; these as well as all other machinery in the place are electrically operated from the firm's generating plant. The shops for the manufacture of mirrors, art glass windows, etc., are located on the sixth floor, and for light and equipment are probably unapproached anywhere in the world.

This house was established in Chicago by Fayette and Henry M. Hooker in 1855 at 56 W. Randolph street. The older brother died in 1868 and the following year the business was moved across the street to 57-59 W. Randolph street, into more commodious quarters. Additional buildings were erected from time to time as growth of trade made necessary. In 1889 the business was incorporated as H. M. Hooker Co. and has continued to grow year by year into one of the most important houses in its line in the west. The projected improvements of the Northwestern railroad forced the removal from its old location to make way for the new depot, and this forced removal has resulted in placing this well known house in new quarters, where its facilities for serving their very large clientage are greatly increased. For many years the firm has made a specialty of glass and other supplies for the florist trade.

CHRYSANTHEMUMS

Propagation.

If growing cut blooms for exhibition, it is not any too early to get the cuttings into the sand particularly the slow growing varieties and most of the foreign sorts that require a long season of growth. We expect that the strictly exhibition blooms and also the commercial varieties will both have a pretty good innings at the big show so plans should be laid accordingly. The vases calling for 100 blooms of the different colors are where the varieties that come under the commercial scale will play an important part, and, though it is a little early to start propagating many of the best of this section, it is not any too early to get the stocks into good condition. If they have been allowed to suffer from any neglect they should be placed where they can get ample light and air with a cool temperature to induce them to throw strong sturdy wood for cuttings. To obtain 100 blooms of one color and variety requires that a good size batch be planted to make a selection from. Intending exhibitors should make up their minds for a strong competition and act accordingly. Should the stock on hand be for any reason not up to expectations get in some extra so that it will be under control when needed. The cuttings of the exhibition and foreign varieties that require a long season of growth should be put in right away, selecting clean and healthy wood. The large Japanese varieties like F. S. Vallis, Wm. Wells, and D. V. West, the big fellows that count in a collection, are the ones to get after and not let up until they are on the exhibition tables. This is the only way to be successful. It seems a long season from now to November, but most of the largest varieties require every day to get them at their best. We may particularly note the variety Miss May Seddon; propagated at this time it

DESIGN BY LINDSAY THE FLORIST, BIRMINGHAM, ALA.
Heart of Roses, Carnations, Hyacinths, etc.

does not make more than three feet in height, being such a hard, woody grower, but it is there with the quality of bloom. Late propagation does not suit it at all. We would particularly impress intending exhibitors not to overlook the novelties and last year's importations. They are there with the size and are going to count.

C. W. JOHNSON.

OBITUARY.

John T. Borland.

John T. Borland died at his home in St. Johnsburg, Vt., January 20, of acute diabetes, following a short illness of about two weeks. Mr. Borland was born in Dundonald, Scotland, July 27, 1846. His knowledge of gardening and horticulture he acquired at Eglinton Castle, Scone Palace and other famous gardens. In 1868, at the age of 21, Mr. Borland came to New York and for a time was engaged as gardener at Ellerslie on the Hudson, the present country seat of Ex-Governor Morton of New York. Later he was employed at Cornwall on the Hudson and also in New Jersey and Massachusetts.

On April 10, 1872, at Haydenville, Mass., he was married to Miss Christina MacDonald and two years later they came to St. Johnsburg, and Mr. Borland took charge of the greenhouses and gardens at Underclyffe. Delighting in his occupation he gave it unstinted time and study and was a recognized authority in all branches of the work. Mr. Borland was a member of the North Congregational church for over 30 years. He was a member of the masonic fraternity belonging to the Blue lodge, Chapter and Palestine commandery. A charter member of the Scotia club and a past president, he was one of the Loyal Sons of Old Scotland, who knew and loved his Burns and his country's lore, and contributed much to the life of the organization. He is survived by his wife, two sons, two brothers and one sister. Interment was in Mount Pleasant cemetery.

Henry I. Rauss.

Henry I. Rauss, aged 49 years, died at his late residence, 220 Moran avenue, Detroit, Mich., February 25, after a lingering illness which terminated in a fatal stroke of apoplexy. He was a stepson of the late Albert Breitmeyer, for whom he worked for many years in the latter's greenhouse establishment. During recent years he was employed on Belle Isle where he held the position of greenhouse foreman. His associate workmen and the Detroit Florists' Club, of which he was a member, sent large floral designs to the funeral, which was held February 28. He is survived by his widow and several children as well as his aged mother and a brother, Chas. Rauss.

J. F. S.

F. Miller.

F. Miller, the senior member of Miller & Sons of Bracondale, Ont., died February 25, after a brief illness. Mr. Miller was well known to the trade both in Canada and the United States, where he made many friends when he exhibited the T. Eaton chrysanthemum, some years ago. Mr. Miller was a Mason, an Orangeman and prominent in politics. A widow and family of three sons and three daughters survive him. The funeral was largely attended and many floral tributes were sent by different friends and orders.

H. G. D.

PICKING the flowers from the century plant is advised as suitable occupation for a retired Pennsylvania sheriff.

FLORAL DESIGN ADOPTED BY THE KENTUCKY SOCIETY OF FLORISTS.
Executed by Jacob Schulz, Louisville.

To Be Done Now.

IN THE GREENHOUSES.

Prick out the seedling pansies on firm soil on a bench for flowering.

Take off dahlia cuttings regularly and do not allow them to get large and hollow.

Prick off seedling ferns before they get crowded in the flats where sown.

Look carefully after the seedling asters and see that insects are not allowed to get ahead or they will be ruined.

Thin the shoots on tuberous rooted begonias, gloxinias and others before they get crowded. It is useless allowing too many shoots.

Watch plants with yellow foliage or points. In most cases this is due to overfeeding or overwatering.

Keep bouvardias cool from the first to ensure a stocky growth and pinch them regularly.

Continue to propagate plenty of lobelias from cuttings.

Keep the atmosphere moist about the young rose plants in the morning by light spraying but let them dry off well before night.

IN THE STORE.

When customers want anything not in stock obtain it for them if possible. Even if only a little profit is made it holds the customer.

Make a good showy display of some flower that happens to be cheap and call attention to the fact by a neat sign or otherwise.

A few neat button-hole sprays shown on a suitable stand should help business along this line.

Lily of the valley is never so beautiful as when displayed upon its own foliage.

Asparagus Sprengeri and red carnations form an excellent combination.

Bronze galax leaves are very suitable as a setting to a wreath of yellow jonquils or other bulbous stock, especially yellow.

OUTDOORS.

Carefully protect the young growth shoots of Eremurus Himalaicus and others as soon as they appear above ground.

Push on with the preparation of the early border for vegetables when the weather is suitable.

Leave the rose pruning alone for a time. Haste here means loss later.

Use a wide board for standing on when it is necessary to get on wet cultivated soil for tree lifting or pruning. If the soil is trodden into a pasty condition it will work badly all summer.

Look over the herbaceous stock in frames on a mild day. Should any of the plants be drying out too much, moisten them early in the day and leave air on to dry up superfluous moisture.

Never plant dwarf rock and trailing plants in low, badly drained positions.

Cut down golden and other variegated elders where they are expected to make a show in summer and keep dwarf.

Use the hoe just as soon as it is possible to get on top of the soil to do so.

Philadelphia.

A very interesting tournament is being bowled in the club alley in Horticultural Hall. Dennis Connor holds high score for three games, making 610.

K.

THE AMERICAN FLORIST

1885 TWENTY-THIRD YEAR. 1908

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ST. PAUL, MINN.—E. P. Holm, O. J. Olson and S. D. Dysinger have incorporated their business under the name of Holm & Olson, Inc., authorized capital $75,000, the corporation to commence business March 1.

THE English carnation growers prefer Winsor spelled with a d—Windsor.

TAUSENDSCHON is said to be an excellent rose to force for Easter flowering.

TOADS are friends of roses, says Prof. Pharo Gagge, landscape artist at Columbus, O.

ENGLISH growers prophecy that kentias will be cheaper. But they don't say how soon.

GLASS prices still range rather low. The market this week is somewhat firmer, but very little.

AN extensive grower of cannas and dahlias says that he finds coal ashes an excellent medium for starting the roots.

MEMBERS of the executive of horticultural societies should read carefully the notice respecting affiliation from the secretary of the Chrysanthemum Society of America.

OUR Philadelphia correspondent says that there is considerable complaint of disease among Easter lily growers of that section, some of the crops showing up very badly.

THAT Bassett & Washburn, Chicago, have every confidence in their new carnation, O. P. Bassett, is best evidenced by the fact that they are propagating 50,000 for their own use next season.

CARNATION FLOWERS are in over-supply in the markets of many of the large cities just now; many large shipments come in and a rate as low as 50 and 60 cents per 100 has failed to clean up the stock in hand.

A CORRESPONDENT says: "Though there is nothing like a panic in the florist trade in New York it is noticeable that there is a general cutting down and curtailment of expenses, both among wholesalers and retailers."

TOULON, FRANCE.—J. Chevalier claims the invention of a new process for coloring immortelles, for which he proposes to erect a factory near Toulon for dyeing all the immortelles grown in the territory of Ollioules. He claims economy in cost under the new process.

MARCH 10 of an average year is said to be a reasonably safe date for shipping plants and bulbs by freight. Those who are in no great haste may wait a week later. This applies to that part of the country south of a line drawn from Boston through Chicago to Denver.

IT is quite evident that growers of Chicago and the vicinity are going to look to their laurels at the coming show of the American Rose Society, March 25-27. Preparations are active and the flowers promise well. But the competition from all parts will be very keen and they will need to be on their mettle to keep up their reputation.

ROSE CUTTINGS that have been in sand in preparation for shipment, but have never in fact been in soil, are not dutiable as "rose plants" under paragraph 252, tariff act of 1897, but as "cuttings of shrubs or plants, commonly known as nursery or greenhouse stock," under the same paragraph. This decision, adverse to the government, was arrived at in the circuit court of appeals, February 11, in the suit United States vs. American Express Co., being an appeal by the former against a decision of the board of general appraisers which sustained the importers' protest against the assessment at the port of Buffalo, N. Y.

MANY worn out farms in Virginia, it is stated, have been utilized for violet growing and the industry is rapidly spreading.

Chicago Rose Show Visitors.

Those who visit the exhibition and convention of the American Rose Society at Chicago, March 25-27, are cordially invited to have their letters and telegrams while in the convention city addressed care of the AMERICAN FLORIST, 324 Dearborn street.

Society of American Florists.

A meeting of the executive board of the Society of American Florists is called by order of President Traendly, to be held at the Prospect house, Niagara Falls, N. Y., at 9 a. m., March 23 next. The same is to continue on March 24 in case the business affairs of the Society are not concluded previously.

W. N. RUDD, Sec'y.

National Flower Show.

W. Wells of Merstham, England, offers for the National Flower Show in November next, a gold, silver and bronze medal for six blooms of Chrysanthemum W. M. Moir to be shown on stems 30 inches long. Notice of this offer having arrived too late to be included in the first edition of the premium list it is hereby given.

W. N. RUDD, Chairman.

Meetings Next Week.

Baltimore, March 9, 8 p. m.—Gardeners' Club of Baltimore, Exchange hall, St. Paul and Franklin streets.

Boston, Mass., March 14, 11 a. m.—Massachusetts Horticultural Society, Horticultural Hall, Lecture on "Development of Disease Resistant Varieties of Plants," by Prof. H. S. Jackson, Newark, Del.

Buffalo, N. Y., March 10, 8 p. m.—Buffalo Florists' Club, 383 Ellicott street.

Butte, Mont., March 13.—Montana Florists' Club, Columbia gardens.

Chicago, March 11.—Gardeners' and Florists' Union No. 10615, 10-12 Clark street.

Cincinnati, O., March 14, 8 p. m.—Cincinnati Florists' Society, Jabez Elliott Flower Market.

Cleveland, O., March 9, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit street.

Davenport, Ia., March 12.—Tri-City Florists' Club.

Denver, Col., March 13, 8 p. m.—Denver Floral Club, 323 Charles Block.

Hartford, Conn., March 13, 8 p. m.—The Connecticut Horticultural Society.

Madison, N. J., March 11, 7:30 p. m.—Morris County Gardeners' and Florists' Society, Masonic hall.

New Bedford, Mass., March 12.—New Bedford Florists' Club.

New London, Conn., March 11.—New London County Horticultural Society, Elks' hall.

New Orleans, La., March 8, 2 p. m.—Gardeners' Mutual Protective Association, 118 Exchange alley.

New York, March 9, 7:30 p. m.—New York Florists' Club, Murray Hill lyceum, Thirty-fourth street, between Third and Lexington avenues.

New York, March 11, 7:30 p. m.—Horticultural Society of New York, American Institute rooms.

Omaha, Neb., March 12, 8 p. m.—Omaha Florists' Club, City hall.

St. Louis, Mo., March 10-12.—St. Louis Horticultural Society, Odeon building, Grand and Finney avenues, spring exhibition.

St. Louis, Mo., March 12, 2 p. m.—St. Louis Florists' Club, Burlington building, Olive street.

SOME humans are labeled contented when lost ambition is meant.—Success.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Every paid subscriber to the AMERICAN FLORIST for the year 1908 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—A good decorator designer and manager, by March 15. Best of references. Key 440, care American Florist.

Situation Wanted—By florist with 15 years experience growing roses, carnations and general stock; age 30; please state wages. Key 455 care American Florist.

Situation Wanted—As foreman or assistant on good private place; good experience in cut flowers fruit and general stock. Address Box 744, Mamaroneck, N. Y.

Situation Wanted—As head gardener on first-class private place single, age 31, best of references; state full particulars and salary in letter Key 454, care American Florist.

Situation Wanted—As rose, carnation, 'mum and violet grower by youeg married man; no children; state wages; good reference. Address Key 457 care American Florist.

Situation Wanted—By A1 landscape gardener grower of all kinds of cut flowers and plants, nurseryand vegetable stock; 44 years of age; life-time experience, references. Key 448, care American Florist.

Situation Wanted—By orchid grower; 15 years' experience in first-class private and tradeestablishments in England; seedling growing a specialty; please state wages. Key 447. care American Florist.

Situation Wanted—Experienced florist foreman, grower fine roses, carnations 'mums; general all around, good designer, decorator; best wages expected. W. FOREMAN, care Station B., 18th St., Detroit, Mich.

Situation Wanted—As working foreman, first-class grower roses carnations, palms and ferns, bedding plants and forcing bulbs; 22 years' experience, strictly sober and honest; married. Key 441, care American Florist.

Situation Wanted—As foreman or manager of large commercial place where roses are grown as a specialty for cut flowers; experienced also in other lines; first class references J., care of The Nebraska Seed Co., 1613 Howard St., Omaha, Neb.

Situation Wanted—As head gardener on public place or private estate; also able to take full charge of commercial establishment; am a thoroughly competent grower, florist and landscape gardener; middle age, no family. Key 452, care American Florist.

Situation Wanted—By an energetic and honest florist; German, 26 years old, single; 12 years' experience in the growing of cut flowers and all commercial pot and bedding plants; have excellent European and English references; competent to take charge; retail or private place preferred; good wages and steady position expected Address Key 449, care American Florist.

Situation Wanted—Head gardener on a private place with first-class references, single, strictly sober, intelligent, good education 22 years' practical and theoretical experience in all kinds of indoor cut flowers palms ferns, fancy pot plants, also decorating, landscaping, carpet bedding and fruit and vegetable growing. Disengaged March 15 or later; good wages expected. Key 462, care American Florist.

Situation Wanted — As responsible florist; thoroughly understands the management of private estates; 12 years' experience in public institutions; life experience in greenhouse flowers and vegetables; first class carnation and rose grower; strictly temperate; Ameican; married, small family; best of references; state full particulars in first letter. Key 458 care American Florist.

Help Wanted—A good general greenhouse man give reference and state wages. WAGNER PARK CONSERVATORIES Sidney, O.

Help Wanted—Competent rose and carnation grower. Send full particulars at once. Key 464 care American Florist.

Help Wanted—First-class American Beauty grower; references required. UNITED STATES CUT FLOWER CO. Elmira, N. Y.

Help Wanted—Young man or lady to make up designs for store in Chicago; must have experience. Key 456, care American Florist.

Help Wanted—A good rose grower at $15 and one assistant at $12 per week. Position will be open March 15. WILLIAM DITTMANN, New Castle, Ind.

Help Wanted—A man to work in rose section, also two men for general greenhouse work; state wages without board. Address Key 340, care American Florist.

Help Wanted—Decorator and designer; one who has some knowledge of plants; single man preferred. References and wages in first letter. Address Key 410, care American Florist.

Help Wanted—An upright, sober young man, who has some knowledge in the culture of fruit and vegetables; state wages wanted with room and board. AUGUSTUS CASPERS, Rochelle, Ill.

Help Wanted—Young man assistant for general greenhouse work, must understand bedding out for a large public park; apply stating experience and references. JOHN THATCHER, Chester, West Virginia.

Help Wanted—A good grower of carnations and bedding plants; must understand his business; steady place for the right man; German preferred. Address R. O. LOMMATZSCH, R. F. D. No. 1, La Grange, Ill.

Help Wanted—Experienced gardener for private place; no greenhouse; must have knowledge of trees, shrubs and perennials; must be good worker; permanent position at $60.00 per month. MEHL & MUSKOPF, 23 Euclid Building, St. Louis, Mo.

Help Wanted—A young man with some experin rose growing and a good helper for general greenhouse work on a small place in southern Minnesota; steady work for the right man; wages $30 and board give references, nationality and other particulars in own handwriting. Key 463, care American Florist.

Help Wanted—By April 1, a working foreman, married, to take charge of 35,000 feet of glass, where roses, carnations, 'mums and a general line of bedding and pot plants are grown for retail store; must be capable of producing first class material and also fully able to handle men to best advantage. JOHN RECK & SON, Bridgeport, Conn.

For Rent—In one of the busiest sections of New York a very desirable room for a small flower shop and stand; rent very reasonable. Address, S. & S., care American Florist, 1133 Broadway, N. Y.

For Sale—A large florist refrigerator with mirrors and marble base at a bargain A. B. ELLSWORTH, 17 N. 6th St., Allentown, Pa.

For Sale—20,000 square feet of glass, well stocked; three acres of ground; six-room house; all modern, in good condition, and a money-making place in best city of Indiana; $4,500 required. Details to parties meaning business. Key 427, care American Florist.

For Sale—Nicely fitted up florist's store, ready for business; Seventy-fifth Street and Madison Avenue corner, New York city; lease one to five years; best private neighborhood in city; immediate possession. Inquire of American Florist, 1133 Broadway, New York.

For Sale—A retail florist business consisting of 4200 feet of glass well stocked, store building with living rooms above; on 2 lots 44x136 feet located in the heart of a residence city; county seat of 10,000 inhabitants less than 50 miles from Chicago with good surrounding towns. Address Key 434, care American Florist.

For Sale—A large modern and successful floral establishment, the oldest established in the city, carrying a complete line of cut flowers potted plants, seeds, poultry supplies, etc This place must be seen to be appreciated, and under proper management, is a money maker. Will be sold at a price that is right. For further information address C. EDWIN OYSTER, 507-8 Dollar Bank Bldg., Youngstown, Ohio.

For Rent or Sale.

7 greenhouses, well filled; doing a good business Purchaser buying the stock. For particulars see my adv. in this paper Feb. 22. W. H. HUMFELD FLORAL CO., Kansas City, Mo.

For Sale One tubular steam boiler, 60 horse-power, in excellent condition, price $150.00. One Kroeschell hot water boiler No 1, will heat 6000 ft glass. Used only three seasons, Price $100.00. Write GRASER & HUMPHREYS, Mt. Sterling, Ky.

To Growers.

We want a good grower of carnations and roses and will pay a good salary to the right man. We prefer one who has had some experience in the South, although this is not absolutely essential. State age and give full particulars of previous employment. Address

Key 460, care American Florist.

Store Man Wanted.

The advertiser wants a good man who can attend to general store work and decorating and also grow palms, ferns and like decorative stock. He must be an experienced packer of cut flowers for shipping. Give references and experience.

Key 459, care American Florist.

Wanted.

A man to grow lettuce, onions and celery for a stock company at Shiocton, Wis., for an assured market; house furished and good wages guaranteed to a hustler. Apply giving reference to JOHN TIPLADY, Lake Geneva, Wis.

Help Wanted.

Onion set grower wanted in the west. Will give right man good opening.

Key 453, care American Florist.

To Lease or For Sale

To first-class grower of Roses and Carnations **35,000 sq. feet of glass,** all new and modern doing a wholesale business. Local retailers buy everything grown. **A splendid opportunity** for competent grower and manager. Would sell a part interest to right man. Location, Indiana.

Address **Key 442, care American Florist.**

MANAGER WANTED.

Manager wanted for Dunlop's retail store in Toronto, Ontario. This store does the leading and best business in Toronto and and requires a man of the very best type who is thoroughly competent and up-to-date in decoration and designing. Apply with references to

HENRY WINNETT, The Arlington Hotel, NEW YORK CITY.

A Undeveloped Gold Mine at a Bargain,

A snap for a live practical florist having a small amount of cash capital; my greenhouse plant and residence is offered for the next 60 days at a sacrifice; it is well located in the best city of its size in Michigan, having 14 profitable tributary towns and only one other greenhouse within 30 miles; first-class cut flower and plant business. Write for particulars.

A. W. TWEEDIE, Cadillac, Mich.

Wanted....

First-class Store Man. Must be competent decorator and thoroughly capable designer. This is a good opening for the right party. With full particulars Address

Key 461, care American Florist;

If you want to get the want you want to get, you want to get your want ad into the

AMERICAN FLORIST

Try it now.

Every advertisement represents a genuine want. It pays to answer them.

Roses Enough for All.

New cuts now coming on of Fancy **KILLARNEY** and **RICHMOND.** Other Roses in good supply.

Carnations also in good supply. We grow our own **Lily of the Valley, Fancy Mignonette, Freesias, Tulips, Daffodils,** and all other seasonable flowers. **Green Goods** a specialty. All at market prices day of shipment.

Poehlmann Bros. Co. Office and Salesroom 33-35-37 Randolph St.
Long Distance Phone Randolph 35. **Chicago.**

HENRY M. ROBINSON & CO., Wholesale Commission Florists.

Hardy Cut Evergreens and Florists' Supplies

BRONZE GALAX, best quality...$8.50 per case, 10,000 **GREEN GALAX,** best quality...$7.50 per case, 10,000
DAGGER AND FANCY FERNS.....$1.50 per 1000

Laurel Festooning, Boxwood, Southern Wild Smilax, Sphagnum and Green Moss, Leucothoe Sprays, etc.

15 Province St. and 9 Chapman Place, BOSTON, MASS.

J. Otto Thilow on his Travels.

At the meeting of the Florists' Club of Philadelphia March 3, J. Otto Thilow gave a long and interesting account of a month's trip to Europe, which was greatly enjoyed by those present. Mr. Thilow has the knack of telling in an entertaining manner his experiences and of the many cities he visited he managed to skim the cream of the noted places and bring away with him a good general idea of the customs and habits of the people as well as being able to describe fully the principal buildings and other sights. He speaks highly of the voyage across on the North German Lloyd steamer to Plymouth, England.

Arriving in London, naturally the travelers—for J. D. Eisele was his companion—first turned their thoughts to Kew, which Mr. Thilow describes as a perfect Eden. He speaks very highly of the botanical department there and describes the roses and dahlias, which were in bloom at the time of his visit in September, as clothed with a wealth of bloom. He also pays a high tribute to the excellent system of labeling trees, shrubs and other plants.

Ghent and Bruges, Belgium, he says, are highly interesting cities and he mentions them as the home of azaleas and bay trees, also of fields of tuberous begonias and large glass areas devoted to palm growing. In Germany the Palmen-garten of Frankfurt delighted our travelers and Mr. Thilow describes it as a vast glass structure covering some monster palms and a beautiful garden. The grounds, he says, were beautifully laid out and well broken up by groups of trees, shrubs and flower beds, which are kept in perfect condition throughout the growing season. Erfurt, the great seed growing center, is well described, also many other places of interest, and his description of a trip down the Rhine makes stay-at-homes envious. Mr. Thilow received and honestly deserved the hearty thanks of his audience for his excellent paper which, we regret, is too long to publish in detail.

Paper Very Satisfactory.

AMERICAN FLORIST CO:—

Enclosed find $1 for renewal of my subscription. Your paper is very satisfactory. A. WALDEN.

Nanuet, N. Y., February 1, '08.

Fancy and Dagger FERNS $1.75 per 1000

Discount on large orders.

New Crop Galax, Bronze or Green, $1.25 per 1000; 10,000, $7.50. **Wild Smilax,** 50-lb case, $6.00.
Sphagnum Moss, large bales.....$1.25
Leucothoe Sprays.....$1.00 per 100; 1000 7 50
Boxwood.....35c per bunch; 50 lbs.. 7,50

Florists in the Middle and Western States can save money by placing their fern orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,
WHOLESALE COMMISSION FLORISTS,
38-40 Broadway, All Phone Connections. **DETROIT, MICH.**

SMILAX, $12.50 to $15.00 per 100 strings.
CARNATIONS Good.....$1.00 to $2.00 per 100
Best, including Enchantress, Lady Bountiful.
White Perfection, etc .....$3.00 per 100
WM. L. SCHLURAFF, ERIE, PA.

For High Grade **Southern Wild Smilax**
WRITE OR WIRE
Telegraph Office: Eufaula, Ala.
Formerly located at Evergreen, Ala.
R. A. LEE & CO., P. O. Georgetown, Ga.

H. J. Smith
HARDY CUT FERN DEALER,
Write for prices for what you want.
HINSDALE, MASS.

George Cotsonas & Co.
Wholesale and Retail Dealers in all kinds of
Evergreens.
Fanc,' and Dagger Ferns. Bronze and Green Galax.
Phone 1202 Mad. Sq.
Main Store, 50 W. 28th St. **NEW YORK.**

E. A. BEAVEN
Southern Wild Smilax,
Log Mosses,
Natural and Perpetuated—at Wholesale,
EVERGREEN, ALABAMA.

John P. Scherer
UNION HILL, NEW JERSEY.
New York Branch: 463 Sixth Ave., bet. 28th and 29th Sts., New York. Telephone 6237 Mad. Sq.
SMILAX, FERNS, PALM LEAVES
and all kinds of **GREEN GOODS.**

THE KERVAN COMPANY,
113 West 28th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves Galax, Leucothoe, Ferns, Mosses and all Decorative Evergreens.

London.

Trade is improving at Covent Garden. The new pink Spirea Queen Alexandra from Rochford's is an acquisition and sells at about 85 cents each. Azaleas are cheaper. Cocos Weddelliana in 3-inch is worth $4.50 per dozen, good stock. Funkia variegata in 4-inch and 5-inch is a good selling line at $2 to $3.50 per dozen. All cut flowers are selling better, but greens such as asparagus and adiantum are scarce.

ROCKLAND, MASS.—Fifty thousand roses were used February 29, in the decorations at a rose ball given in the opera house. There were roses everywhere, thousands of them, and, shaded by a soft light, the interior was a dream of beauty.

Cut Formosa Lilies

Choice flowers with long stems, **$12.00 per 100.** Now ready for sale. We have 5,000 pots of this choice lily just coming into bloom.

OUR ROSES, CARNATIONS AND OTHER STOCK

Are all being cut in large quantities, with prices away down.

BUY DIRECT OF THE GROWERS.

BASSETT & WASHBURN,

Wholesale Growers and Dealers in Cut Flowers,

Greenhouses: Hinsdale, Ill. **Store: 76 Wabash Ave., Chicago.**

FOR

FANCY ROSES, Brides, Maids and Richmonds.

FANCY CARNATIONS. All leading varieties. No better on the market.

BULBOUS STOCK, LILIES, TULIPS, DAFFODILS

Write to and all kinds of **GREEN GOODS.**

ZECH & MANN, Wholesale Florists,

51 Wabash Avunue, CHICAGO.

New Crape Chasing Trick.

A Boston correspondent of the Music Trades contributes the following to that journal:

A piano salesman connected with one of the warerooms in Tremont street is coming in for some criticisms as a result of his probably well-meaning but rather ill-advised interest in securing flowers for the funeral of a prominent member of the trade who died recently. The salesman in question evidently has an interest, either friendly or financially, in a certain florist's establishment in the city, and it is his practice, it seems, whenever a member of the trade passes away, to immediately "tip off" his florist friend, who at once calls up many of the members of the piano and supply trades, as well as the heads of the various associations, and suggests that flowers be sent, and that the order be turned over to him.

Now, the heads of associations and individuals in the trade feel that they do not require hints and suggestions from florists in order that their kindly feelings toward the departed may be aroused to the extent of making floral offerings.

Miss Sipe on School Gardens.

"Where did the idea of school gardens begin?" "The idea of the home garden through the school was first adopted in Cleveland, I think," replied Miss Sipe. "Although as long ago as 1691 George Fox, an old Quaker, left a tract of land near Philadelphia for a playground for the children of the town to play on, and for a garden to plant with physical plants, for lads and lasses to know simples and to learn how to make oils and ointments.' Two hundred years later the first school garden in America was established on the grounds of the George Putnam school of Roxbury, Mass., by Henry Lincoln Clapp, its master. Our work in Washington has been imitated in the Whitechapel district of London upon the recommendation of a member of the London board of education. He visited a flower show held by the school children of Washington and was so much impressed with the value of the plan that at his suggestion the London teachers organized a home garden movement."

German Horticulture.

FROM THE GERMAN TRADE PAPERS.

TRADE CONDITIONS.—The business in trees, seeds, bulbs, plants and flowers for the first 10 months of the year 1907 is reported to have been exceedingly good. A decided falling off right after the most flourishing of Memorial day trades in plants and floral make-ups ever experienced, marks the beginning of a period of depression in all lines of business connected with the growing and disposal of horticultural products. Apprehension of hard times coming rather than actually felt so far at any time, are the real cause, it is believed, and the fairly brisk holiday business, having brought the only break in the monotony of dull inactivity since, gave ground to this belief and support to the hope, shared in by everybody, for a speedy betterment of conditions. Then, too, a great part of what caused the florists' business to assume a most erratic character throughout the latter half of last year is thought to be wholly attributable to the unusually wet and disagreeable weather experienced all last summer, which proved disastrous to many field crops and greatly curtailed at the same time the supply for the then exceptionally good demand. Although this was followed by an extremely fine autumn, matters were not markedly improved thereby. While it favored the ripening of seed crops and cultures generally, it also had the effect of over-stocking the market until away into winter with all sorts of open-air garden flowers; dahlias in best form, for instance, holding sway until the end of November. The first destructive frosts came late and brought but partial relief, since from that time on demand slackened perceptibly with a steadily increasing supply from the greenhouses. Plants in preference to cut flowers, it is stated, have had the call in late years.

A FIXED STANDARD TO RULE PRICES.—An attempt in good earnest is now being made by the united societies of German florists, engaged in active business, to establish a tariff of prices, to be recognized as binding to everyone in the trade. It is believed that by accomplishing this somewhat difficult feat great good would accrue, it being the only means presenting itself at this hour of need to check reckless competition, underselling and over-production, the bane of present day floriculture. A fixed minimum price to be asked for every description of service or article, rendered or sold by florists, including work done for patrons, the price of plants, cut material and made-up floral pieces, as also the lowest rate of wages or salaries paid to employes, from the helper and laborer up to the head gardener or store manager, is to be the basis of the standard.

BEGONIA MASTERPIECE.—Larger flowers on shapelier and more compactly built plants, a decidedly better form and greater vigor of growth, are said to distinguish the new begonia, Masterpiece, a sport of B. Gloire de Lorraine, from this, its illustrious prototype.

The man who has something to sell
Must not holler down a well,
For he will not collar the dollars
Like the man who climbs his tree and hollers.

Just Because

We Grow
The Finest Roses
in Ohio

is no reason why you should buy from the other fellow

THE J. M. GASSER COMPANY

Wholesale Growers and Distributors of Choice Cut Flowers

(No good Beauties at present) CLEVELAND, OHIO

Boston.

TRADE BETTER.

Conditions throughout the city have vastly improved during the week and, with the exception of carnations, stock has moved along better. Bulbous stock, as expected, weighs heavily on the market and will continue to do so until the season is over, although there is a good demand for first class stock which seems to be scarce. Carnations are absolutely undesirable stock for which no terms are low enough to induce but the smallest purchase. In the face of a well filled rose market prices are strongly supported showing no signs of relaxation from the high standard set by the early winter.

MUSIC HALL EXHIBITION.

The growers of the Music Hall Market, the younger of the marketing corporations, exhibited a choice line of commercial products February 29. No prizes were offered and no competition was induced, the occasion being merely a public exhibition of the goods being handled daily by this market. Among the attractive displays were noticed a fine line of Ulrich Brunner roses by John McFarland, also a splendid vase of lily of the valley for which this able grower has become prominent. A. Roper's display of carnations was particularly prominent and occasioned much favorable comment. His Bay State and Fair Maid were the leaders in the carnation display, and were well supported by a varied collection of seedlings.

V. E. Small displayed an enviable line of Beacon. A. Bately was excellently represented by White Perfection, while D. Carmichael was prominently identified by his vase of mixed carnations. Lewis' Marlboro establishment showed Enchantress of the first quality and John Foote, Beacon. Robt. Montgomery showed a varied assortment of the season's roses, and H. F. Crawford an attractive vase of Perle. A splendid collection of violets from the plants of Dobbins & Shannon, John Newman, Alex. Porter, M. B. Dallache and M. Orr, easily ranked with the season's best. F. E. Hardy exhibited an excellent strain of antirrhinums of various shades. This display, though limited in size, was not lacking in quality and was the first of its kind, finished with the hope of a future exhibition on a scale befitting the growers identified with this corporation.

NOTES.

Wm. Nicholson, who for several seasons past has supplied so far as able the demand for shamrock for March 17, has taken unusual precautions this year to meet the trade. While but a small portion of his stock is consumed in the local market large shipments are made to sections all over the country.

Philip L. Carbone, the Boylston street retailer, has again started for Europe on a business trip which he expects to keep him occupied until Easter.

The Waban Rose Conservatories are now in excellent condition to meet the market with American Beauty roses.

Among the visitors to the market exhibitions were: Robt. Craig and Wm. P. Craig, Philadelphia; Harry May, Summit, N. J.; C. S. Stroud, Biddeford, Me.; H. A. Jahn, New Bedford; S. J. Reuter, Westerley, R. I.; G. L. Mahoney, Saco, Me.; H. H. Buxton, Nashua, N. H.

Exhibition of the Boston Flower Market.

The most successful exhibition ever held by the Boston Flower Market was that of February 29, at the famous Park Street Market, which for many years has been the headquarters of the leading growers of New England. A display that has never been equalled in this section of the country, outside of the noted exhibitions of the Massachusetts Horticultural Society, was viewed by thousands. The exhibition was strictly confined to commercial growers and was not advertised at all. A continuous swarm of enthusiastic lovers of flowers passed in and at times admission was almost impossible. A grand sight was the reward of the interested public, the one regret being the impossibility of displaying the superb collection to its best advantage. The market is poorly adapted for this sort of a display, but it was the unanimous desire of the committee in charge to confine the show to the spot which is daily used in disposing of the products.

Roses, carnations, violets, sweet peas, lily of the valley and a limitless collection of bulb products, plants and oddities, all combined in a most interesting collection, each branch of which claimed its host of admirers. The carnation display was the most extensive. In this department S. J. Goddard of Framingham swept everything before him and presented a most unusual assortment of varieties, new and standard. In totalling up his awards Mr. Goddard carried off six first prizes and seven seconds, a record which undoubtedly will stand for a long while. For the best vase of 100 carnations of one variety, a difficult matter, was the choice for the prize. White Perfection and Afterglow were very evenly matched; the former was the winner. This carnation was shown to splendid advantage and a product of the famous establishment of Peter Fisher. Afterglow was shown in prime condition and the display was a very creditable product of the renowned house of Wm. Nicholson. For the best vase of 100 mixed the competition was again very keen, the first prize being awarded to S. J. Goddard with the second honors falling to Pierce Bros.

The F. R. Pierson Co.'s cup for the best Winsor was won by Peter Fisher, with Pierce Bros. a close second. The A. H. Hews Co.'s cup for the best collection of six varieties of 50 blooms each was won by Peter Fisher with a matchless display. The rivals of dark reds were Harry Fenn and Octoroon, the former was adjudged the leader. Helen

WE ARE ON WITH A BIG CROP OF

EXTRA FANCY RICHMONDS

All other **Roses** in big supply. **Carnations,** too, are in full crop with us.
We can take care of your orders, large or small. Let us have your regular orders.

OUR PRICE LIST.

	Per doz.
American Beauties,	
Extra long stems,	$6.00
30-inch stems	5.00
24-inch stems	4.00
18-inch stems	3.00
15-inch stems	2.00
12-inch stems	1.50
Short stems	.75 to 1.00

	Per 100.
Mrs. Marshall Field and Killarney.	
Best	$10.00 to $15.00
Short to medium	6.00 to 8.00
Liberty and Richmond	
Best	8.00 to 10.00
Short to Medium	5.00 to 7.00
Golden Gate Select..	8.00 to 10.00
Short to medium	4.00 to 6.00
Perle	4.00 to 8.00

	Per 100
Chatenay Select	$10.00 to $12.00
Short to medium	6.00 to 8.00
Bride and Bridesmaid	6.00 to 10.00
Sunrise	6.00 to 10.00
Uncle John	6.00 to 10.00
Ivory	6.00 to 10.00
Carnations	2.00 to 3.00
Lily of the Valley	3.00 to 4.00
Asparagus Plumosus	2.00 to 3.00

ROSES, OUR SELECTION, short to medium stems, all fresh stock, $4.00 per 100.

PETER REINBERG, 51 Wabash Ave., CHICAGO.

Largest Grower in the World. 1,580,000 Feet of Glass.

Goddard outranked its competitors in the deep pink class, the time worn Lawson being next in order, and but a poor resemblance of the most famous carnation ever grown. Enchantress was a consistent winner in the light pink class, gaining the laurels from a commendable exhibit of Winsor. The class for variegated varieties was only a meagre display of Mrs. Patten and Lawson.

The local rose growers rather astonished the public with their superb though limited collection of superior goods. Combined with the local attractions, two new favorites were exhibited by visitors. An excellent display of Mrs. Jardine was staged by the Robert Craig Co., Philadelphia, Pa., and met with popular commendation. On account of its widespread notoriety it was the center of great attention. The E. G. Hill Co., Richmond, Ind., showed its popular production, Rhea Reid. The honors of the rose exhibition were justly awarded to that expert producer, W. H. Elliott. He won the Wm. E. Doyle cup which he has won three times sucessively and now becomes its permanent owner. The displays of Killarney and Richmond were the admiration of all, the possibilities of both roses being plainly emphasized. Waban Rose Conservatories were the sole exhibitors of American Beauty and showed a very creditable product. Montrose Greenhouses were awarded first for Bridesmaid, and W. H. Elliott second. The old time and still popular rose, Safrano, was excellently staged by W. H. Elliott. Sweet peas as a commercial product were shown to perfection. Wm. Sim was the winner of the Zvolanek trophy with his Florence Denzer. He also won first in both white and pink exhibits. An unusual display of violets of all varieties was a difficult judging problem. H. F. Calder won first as expected for Campbell. The Imperial class was led by Paul Thompson, and the largest class, Princess, was accorded to Esty Bros. Wm. Sim captured the Wheeler trophy with a magnificent vase of his new origination, Boston. In competition for this variety he also won first. The judges were: S. J. Reuter, Thos. Roland, Elijah A. Wood and A. H. Fewkes. A complete list of awards follows:

CARNATIONS, CLASS A.

Dark red.—E. Winkler, Wakefield, first, with H. Fenn; S. J. Goddard, Framingham, second, with Octoroon.

Dark pink.—S. J. Goddard, first, with Helen Goddard; Pierce Bros., Waltham, second, with Lawson.

Light pink.—S. J. Goddard, first, with Enchantress; Peter Fisher, Ellis, second with Winsor.

Scarlet.—Peter Fisher, first, with Beacon; S. J. Goddard, second, with Victory.

White.—M. A. Patten & Co., Tewksbury, first, with White Perfection; S. J. Goddard, second, with the same variety.

Variegated.—Leonard Cousins, Concord Junction, first, with Variegated Lawson.

CLASS B.

Dark red.—S. J. Goddard, first, with H. Fenn; Littlefield & Wyman, North Abington, second, with Octoroon.

Dark pink.—Littlefield & Wyman, first, with Lawson; second, S. J. Goddard, with Helen Goddard.

Light pink.—Chas. S. Strout, Biddeford, Me., first, with Enchantress; Littlefield & Wyman, second, with Winsor.

Scarlet.—S. J. Goddard, first, with Victory; Littlefield & Wyman, second, with Robt. Craig.

White.—M. A. Patten & Co., first, with White Perfection; S. J. Goddard, second, with Lady Bountiful.

Variegated.—Pierce Bros., first, with Mrs. M. A. Patten; Backer & Co., Billerica, second, with Mrs. M. A. Patten.

Vase of 100 blooms mixed.—S. J. Goddard, first; Pierce Bros., second.

Vase 100, one variety.—Peter Fisher, first, with White Perfection.

Striped.—S. J. Goddard, first, with Priscilla; New Hampshire College, Durham, second.

SPECIALS.

A. H. Hews cup for six varieties, 50 flowers of each.—Peter Fisher, first.

F. R. Pierson cup for Winsor.—Peter Fisher, first; Pierce Bros., second.

Peter Fisher cup for Beacon.—S. J. Goddard, first; Chas. S. Strout, second.

ROSES.

American Beauty.—Waban Rose Conservatories, first.

Killarney.—W. H. Elliott, first.

Richmond.—W. H. Elliott, first; Waban Rose Conservatories, second.

Bridesmaid.—Montrose Greenhouses, first; W. H. Elliott, second.

Any other variety.—W. H. Elliott, first, with Safrano.

W. P. Craig was awarded a cup for Mrs. Jardine and W. H. Elliott for Killarney.

MISCELLANEOUS.

Collection of bulbous flowers.—Mann Bros., Randolph, first.

Lily of the valley.—H. M. Robinson & Co., first.

Mignonette.—Wm. Nicholson, Framingham, first.

Pansies.—W. C. Ward, Quincy, first.

Lilium speciosum.—F. T. White, Holbrook, first.

Sweet peas, white.—Wm. Sim, Cliftondale, first; H. M. Sanderson, Waltham, second.

Pink.—Wm. Sim, first; H. M. Sanderson, second.

Zvolanek trophy for sweet peas.—Wm. Sim.

Violets, 100 Campbell.—H. F. Calder, first; H. F. Wood, second.

One hundred Imperial.—Paul Thompson, first; H. M. Sanderson, second.

One hundred Princess.—Esty Bros., first; Wm. Sim, second.

Wheeler trophy.—Wm. Sim, for 200 Boston.

One hundred Boston.—Wm. Sim, first; H. F. Wood, second.

Collection of plants.—Mann Bros., first.

Prize for Music Hall Market growers.—Albert Batley & Sons, Maynard, first; Littlefield & Wyman, second.

A certificate of merit and special prize for excellence of culture was won by Geo. McAlpin, grower to W. H. Elliott.

John Marshall, Newport, R. I., was awarded a first class certificate for a red seedling carnation.

Backer & Co. received honorable mention for seedling carnation.

Unnamed seedlings, crimson, yellow and white, separate classes.—M. A. Patten & Co., first in each.

B.

Chicago.

MARKET MORE ACTIVE.

Clear weather and the prevailing low prices have brought in a more active demand. Mardi Gras created some little demand on Sunday and Monday, but orders were much smaller than usual and were so much scattered that this southern festival did not have the hoped for effect on the market. However, it does now appear as if the regular spring trade had opened in spite of the advent of Lent. Growers of American Beauty roses report that plants are now fast setting bud and that it will not be long before prices are down to their usual spring rates. Short-stemmed stock is not of very good quality, as it gets very little light or air, but medium and long-stemmed stock is very good for the time of year. Other roses are in sufficient supply to fill the requirements of the market. Carnations, which have been seen in such tremendous supply, seem now to be giving way somewhat, although not sufficiently to strengthen prices. Tulips, daffodils and lilies have all been affected by the spring weather and prices have materially weakened. Large quantities are being received and sold at low prices. Growers claim that less money has been realized this year than for several years. Prices for New York double violets have come to their lowest level, with little call for them. Asparagus sprays have been selling well, but other green material has not been selling as well as usual.

NOTES.

E. C. Amling is back in the harness again. He returned Sunday by way of Salt Lake City and Denver after spending six weeks in southern California. Most of that time he was within about 30 miles of Los Angeles and made frequent trips to that city. He says that at a time Enchantress carnations were here selling for $2 and $3 per 100. $4 was the price there for stock shipped from San Francisco. Carnations grown outdoors brought only $1.

Wm. Abrahamson, of E. H. Hunt's, returned from his regular winter trip. He notes as the peculiar feature of this year's business that a good trade exists in the small towns but a slight falling off has taken place in the large cities. This firm last week received its first shipment of tissue parchment, which was ordered nearly a year ago. This comes from Germany and is used by many florists in place of wax paper.

Anton Then and wife returned from Magnolia Springs, Ala., February 26, much benefited by the waters and in fine shape to plan the celebration of the twenty-fifth anniversary of his start in business, which occurs April 16. Anton is not worrying about the future supply of wild smilax after what he saw in the Alabama woods.

Aristocrat carnations are coming fine at J. A. Budlong's and on account of their larger flowers and more pleasing color are much more in demand than Lawson, although they are considerably higher in price. White Perfection is here justifying its name, being much preferred to other whites.

Geo. Hartung's greenhouses will hereafter be known as the Kensington Greenhouses and Nursery instead of Roseland. Mr. Hartung has put in two telephones both through the Pullman exchange and expects to be in with good stock for Easter.

Zech & Mann's growers are gradually coming into very heavy crops of Bride, Bridesmaid and Richmond roses. Albert Lies, who consigns his flowers to this firm, finds his Killarney a good seller and will grow more of it this coming season.

C. L. Washburn, of Bassett & Washburn, celebrated his fiftieth birthday February 27, and was well remembered by friends, business associates and employes. His son, E. B. Washburn, reaches his majority on March 5.

Thos. D. Long, manager, and Edward Houck, treasurer, of the Elitch-Long Greenhouses, of Denver, Col., spent Friday and Saturday of last week in this city, returning from New York and Philadelphia.

The supply houses note that quite an active demand has recently arisen for prepared sea moss. This is used to fill the bric-a-brac lying around the average store and frequently helps to sell a piece or two.

The sleet of Saturday night that coated every exposed surface in this city with ice caused quite a little damage to trees in the various parks. The box elders and cottonwoods suffered the most.

John T. Withers, the well known landscape architect of Jersey City, N. J., will deliver a lecture at the Academy of Sciences, Lincoln park, Saturday, March 7, at 8 p. m.

The Chicago University will build two greenhouses for its zoological department at Fifty-eighth street and Ellis avenue, 29x100 feet, as soon as the weather opens up.

Frank Farney, traveling salesman for the A. L. Randall Co., was in town for over Sunday and reports a very good demand for seasonable supplies.

Club meeting March 5 at the Union restaurant, 111 Randolph street, at 8 p. m. An unusually interesting meeting is expected.

The condition of A. I. Simmons, who is still ill at his home, is less favorable the past week.

The E. F. Winterson Co. is getting orange blossoms grown under glass at Belvidere.

A good crop of American Beauty roses is coming on at Peter Reinberg's.

Bassett & Washburn are daily making large cuts of Formosa lilies.

Herman Langville, gardener of Groveland park, died March 3.

Visitors: J. D. Long, Elitch Gardens, Denver, Col.; A. M. Augspurger, Peoria; R. J. Mohr, Racine, Wis.; Allister Currie, of Currie Bros., Milwaukee, Wis.; John Radder, representing J. Blaauw & Co., Boskoop, Holland; W. Griesinger, Ghent, Belgium; C. S. Ford, Philadelphia, Pa.

Milwaukee.

TRADE FAIRLY GOOD.

During the past week carnations have been coming into the market in very heavy quantities with the result the prices have taken a tumble but at present writing it looks as if this condition will be only temporary. There are also more than enough violets. Other stock is all selling fairly well with exceptionally heavy calls for greens.

NOTES.

The florists certainly turned out in splendid manner for the club dance February 26. Over 75 couples were present and that takes in almost every florist in this vicinity. The committe in charge, consisting of Gus. Roesch, C. C. Pollworth and A. Leideger, worked hard to make this the biggest success that the Florists' Club ever had and they succeeded beyond expectations. The club will have another dance in May but a larger hall will be provided.

Gust. Pohl has commenced work on the new addition so as to have it ready for early planting.

John Rossow on the Green Bay road expects to add one new house for violets this coming summer.

Holton & Hunkel Co. have handled more wild smilax so far this season than in any other two previous years. They have just received another carload.

Heitman & Baerman are cutting some fine Empress narcissus. They are also coming on crop with carnations within the next week. H.

ALBERT LEA, MINN.—The active members of the Freeborn County Horticultural Society met at the city hall, February 21, to discuss several matters of importance, including the revision of the premium list.

Kennicott Brothers Company,

WHOLESALE

CUT FLOWERS.

48-50 Wabash Ave.,

CHICAGO.

Klehm's Novelty Tulips

50 in the box, $2.00 per box.

We will have anything in the line of

Cut Flowers and Greens

that you may want it anybody has at Chicago market prices on day of shipment.

KENNICOTT BROS. CO.

L. D. PHONE, CENTRAL 466.

48-50 Wabash Ave., CHICAGO.

"THE BUSIEST HOUSE IN CHICAGO."

J. B. DEAMUD CO.

Can furnish you everything seasonable.

Long Distance Phone Central 3155.

51 Wabash Ave., Chicago.

FINEST

Valley Pips

FROM COLD STORAGE

FOR EASTER FORCING.

$14.00 per 1000; $1.50 per 100.

ORDER NOW.

IT PAYS TO GROW BRUNS' VALLEY.

Early Forcing Pips

$12.00 per 1000.

Fancy Cut Valley Always on Hand.

H. N. BRUNS,

1409-1411 W. Madison St., CHICAGO.

Long Distance Phone Kedzie 1196.

Roses, Violets, Carnations and other CUT FLOWERS of best quality

E. H. HUNT

SEND FOR PRICE LIST.

76 Wabash Avenue, CHICAGO.

Florists' Supplies AND Novelties.

Chas. W. McKellar

51 Wabash Ave. CHICAGO.

ORCHIDS

A Specialty

Fancy Stock in VIOLETS VALLEY, ROSES, BEAUTIES, CARNATIONS and a full line of all Cut-Flowers, Greens, Wire-Work and FLORISTS' SUPPLIES.

Send for Complete Catalogue.

Mention the American Florist when writing

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO

Telephone, Central 3284.

Mention the American Florist when writing

WEILAND -AND- RISCH

Wholesale Growers and Shippers of CUT FLOWERS

59 Wabash Ave., CHICAGO.

'Phone Central 879.

Write for our wholesale price list.

WHOLESALE FLORISTS

Wholesale Flower Markets

CHICAGO Mar. 4.

Roses, Beauty, extra fancy	$ 6 00
" " 24 to 30-in. stems.	5 00
" " 12 to 20-in. stems.	1 25@ 4 00
" " Short stems	75@ 1 00
" Killarney	6 00@15 00
" Bride, Maid, Ivory, Gate..	6 00@10 00
" Liberty, Richmond	6 00@15 00
" Chatenay, Perle	6 00@12 00
Carnations	1 50@ 3 00
Violets	25@ 75
Lilium Harrisii, per doz.	1 00@ 1 50
Callas, per doz.	1 00@ 1 50
Cattleyas, per doz.	6 00
Lily of the valley	2 00@ 4 00
Pansies	1 00@ 1 50
Tuberoses	5 00@ 6 00
Stevia	2 00
Smilax, per doz.	2 00
Asp. Plu. & Sprengeri, bunch,	50
Asparagus strings, each,	50
Adiantum, per 100,	75@1 00
Leucothoe sprays	75@ 1 00
Ferns, per 1000,	2 00
Galax, green, per 1000,	1 00
" bronze, per 1000,	1 50
Boxwood, per bunch,	35
Sheet moss, per bag	3 50

WACO, TEX.—Miss Annie Wolfe was married, March 4, to John H. Brigance at the home of the bride's mother, 725 South Fourth street. Mrs. Brigance is an associated member of the firm of the Cleveland Nursery.

Vaughan & Sperry,

Wholesale Florists.

58 and 60 Wabash Ave., CHICAGO.

WRITE FOR SPECIAL PRICES.

E. C. AMLING

THE LARGEST, BEST EQUIPPED, MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.

32, 34, 36 Randolph Street, CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Mention the American Florist when writing

DAILY SHIPMENTS OF

Cut Flowers

From 40 to 60 Growers.

"Greens" Our Specialty.

E. F. Winterson Co.,

45-47-49 Wabash Avenue. CHICAGO.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

Fancy White Lilac
$1.50 per bunch.
Carnations, Violets, Roses.
And all other Seasonable Cut Flowers in large supply.

Genuine Green Dye
FOR ST. PATRICK'S DAY.
That will color your carnations and other flowers just the shade you want. 50c per pint, $1.00 per quart.
Growers contemplating building or repairing, give us the opportunity to figure with you before placing your order for **GREENHOUSE GLASS.**

A. L. Randall Co. 19-21 Randolph St., **Chicago.**

Green Carnation Fluid
Buy the genuine stuff from Mrs. Beu, **THE ORIGINATOR,** who made the first fluid and exhibited the first green carnations at the Chicago Chrysanthemum Show **FIVE YEARS AGO**
$1.00 PER QUART.
MRS. F. BEU, —60— WABASH AVENUE **CHICAGO.**

Green Carnation Dope
We guarantee that our green dope will color any white flower quicker and more thoroughly than any other process. It will color flowers such as Enchantress and will produce a perfect solid green color. Our prices: Enough dope for 1 pint 50c., 1 quart $1.00, 1 gal. $3.50. Prepaid by mail. No samples. Satisfaction guaranteed or money refunded.
TROMEY'S FLOWER SHOP, Long Distance Phone Canal 4037. 923 Vine Street, **Cincinnati, O.**

St. Louis.

A BUSY WEEK.

The market the past week was a busy one, entertainments and weddings being crowded in before the Lenten season. Flowers were in abundance; even roses, which have been very scarce, have become plentiful and low prices on everything have prevailed. A great many short American Beauty roses are seen, in many instances of very poor color and quality. Sweet peas, short stems, are hard to sell and have to be quoted at low prices to move to any extent. Violets are plentiful and if warm weather continues, such as we have experienced the past two days, the supply will shorten up. Already the growers tell us the plants are producing big leaves and smaller blooms. Callas and Harrisii lilies have been abundant, in fact all bulbous flowers. Greens are scarcer. There was quite a demand for stock Monday, due to the Mardi Gras celebrations.

NOTES.

W. C. Smith & Co. are handling some very beautiful lavender sweet peas, which find ready sale. This firm has had heavy sales of wild smilax the past week.

The Burton-Allison Co. is disposing of large quantities of its green flower colorings, also yellow, blue and orange. The green is fine and the best seen here.

It is expected that the Florists' Club will assist the Horticultural Society materially in making its spring show at the Masonic Temple a success.

C. Young & Sons Co.'s windows are a mass of tulips of most beautiful varieties. They will have a fine supply of flowering plants for Easter.

J. F. Wilcox is shipping some good Bride and Bridesmaid roses to this market, also some good Lawson carnations.

Charlie Schoenle now wears a broad smile; his wife has recovered from her sickness, and is again at the store.

We are glad to announce that Mrs. Alex. Siegel is getting better and will shortly be out of the hospital.

The St. Louis Seed Co. will make an extensive exhibit at the spring flower show, March 10-12.

H. G. Berning is receiving some extra fine roses. W. F.

Flower TRADE MARK G S B **Coloring**
Saint Patrick Green
THE TRUE IRISH COLOR. Order now for March 17. $1.00 the quart with order. **BURTON-ALLISON CO., St. Louis, U. S. A.**

Detroit.

TOO MUCH BULBOUS STOCK.

The carnation glut continues and the unfortunate condition finds ventilation in the growers' censure of the wholesalers for not moving the product faster. The helpless commission men in turn charge much of the present carnation calamity to some of the extensive growers of bulbous stock who have this season more than ever before, loaded up heavily with this class of stock, which has to a large extent, usurped the position of the carnations and at a most inopportune time. The wholesalers aver that their repeated warnings annually given to the growers not to increase their plantings of bulbs have been as regularly ignored but it is now painfully apparent to all concerned that there is too much bulbous stock grown here to satisfy the local demand and next fall will see a considerable decrease in the importations. We have had another week of intensely cold weather which has not been conducive to favorable conditions for shopping, and retailers are as a consequence unable to report much if any improvement in trade over that of last week. The meagre increase that is noted is due almost entirely to that branch of the business which is now properly looked upon as the mainstay of the retailers—funeral work. Social events requiring the extensive use of flowers are still conspicuously scarce and the near approach of the Lenten season is a barrier to much prospect in that line.

NOTES.

Members of the Society of American Florists here are much pleased with the action of the Illinois State Florists' Association at its third annual meeting recently held at Springfield in regard to the statistics of the florist business. The association's resolution petitioning the parent society to take this matter up at its next annual convention will in all probability be acted upon at the Niagara Falls meeting. President Philip Breitmeyer urgently suggested this measure in his annual address to the convention held in St. Louis, August, 1904.

Visitors: H. Wilden, representing Warnaar Co., Holland; S. S. Skidelsky, Philadelphia, Pa. J. F. S.

Emerald ..GREEN
CARNATION FLUID
For St. Patrick's Day
GREEN CARNATIONS
USE AJAX FLOWER DYE
The only Dye on the market that will color a beautiful **Emerald Green** and still allow the flower to retain its natural appearance. Money refunded if not satisfactory. Complete instructions free.
Per quart by express, $1.00.
Can only be had from
WINTERSON'S Seed Store,
45-47-49 Wabash Ave. **CHICAGO, ILL.**

HARRISBURG, PA.—J. A. Kepner has removed from 116 South Second street to 1110 East Market street.

If you want some really **FANCY CARNATIONS and VIOLETS**

TRY Holton & Hunkel Co., MILWAUKEE, WIS.

OF COURSE WE ALSO HAVE

Heavy Supplies of All Other Seasonable Flowers.

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations and all kinds of Seasonable Flowers in stock.

WM. F. KASTING CO. Wholesale Commission Florists.

BUFFALO, N. Y.

Florists' Supplies and Wire Designs.

—THE—

J. M. McCullough's Sons Co.

Wholesale Commission Florists.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Des Moines, Ia.

All report a fairly good trade the past week. While there have been no large funerals, parties just before Lent have kept most of them busy.

NOTES.

Miss Mamie Doran, who recently went to California to accept a position as special saleslady in the floral department of a large department store, reports being delighted with the country and is enthusiastic in her description of the delightful climate.

The Alpha Floral Co. had a beautiful display in both their large show windows fronting on Walnut and Seventh streets, having a large variety of roses, among them being Killarney and Mrs. Potter Palmer, besides a large assortment of other stock.

J. Ledig has bought property on Nineteenth and High streets. He expects to remove his greenhouses from his present location after the spring trade.

J. T. D. Fulmer, the park florist, who has been seriously ill with pneumonia for the last two months, is slowly recovering.

Robt. Bebb, successor to Vaughan's Greenhouses, is cutting a fine lot of carnations and roses.

Mrs. A. Anderson, who has been laid up with the grip, is reported convalescent. T. L.

Wholesale Flower Markets

BUFFALO, Mar. 4.

Roses, American Beauty	7 00@50 00
" Bride, Bridesmaid, Meteor	4 00@10 00
Carnations	1 50@ 4 00
Lily of the valley	2 00@ 4 00
Smilax	15 00
Adiantum	50@ 1 50
Lilies	4 00@15 00
Galax, per 1000, $1 50	
Ferns, per 1000, 2 00	
Violets	40@ 75
Mignonette	2 00@ 5 00
Narcissus	2 00@ 3 00
Sweet peas	40@ 1 00
Hyacinths	2 00@ 3 00
Tulips	2 00@ 3 00
Daffodils	2 00@ 3 00
Asparagus Sprengeri, per bunch,	25 50
Asparagus plumosus, per bunch,	25@ 50
Freesias	2 00@ 3 00

MILWAUKEE, Mar. 4.

Roses, Beauty, 75@ 4 00	
" Liberty, Chatenay	3 00@10 00
" Bride, Bridesmaid	3 00@10 00
" Meteor, Golden Gate	3 00@10 00
" Perle	4 00@ 6 00
Carnations	1 50@ 4 00
Smilax, $1 50 per doz.	
Asparagus, sprays	3 00
" Sprengeri	2 00@ 3 00
Lily of the valley	2 00@ 3 00
Adiantum	1 50
Violets	50@ 1 00
Common ferns, $2 00 per 1000	
Harrisii, $2 00 per doz.	
Paper White Narcissus	2 00@ 3 00
Romans	2 00@ 3 00
Tulips	2 00@ 3 00
Daffodils	2 00@ 3 00
Sweet peas	50@ 1 00

ST. LOUIS, Mar. 4.

Roses, Beauty, long stems	2 50@ 3 00
" " medium stems	1 50@ 2 00
" " short stems	2 50@ 1 00
" Bride	3 00@ 8 00
" Bridesmaid	3 00@ 8 00
" Chatenay, Richmond	3 00@ 8 00
" Killarney	3 00@ 8 00
Carnations, common	1 00@ 1 50
" best	1 50@ 2 00
Smilax	12 50
Asparagus Sprengeri	1 00@ 2 00
" plumosus, strings	25 00@40 00
" cut sprays	1 00@ 2 00
Ferns, fancy, per 1000, $2 00	
Lily of the valley	2 00@ 3 00
Violets, California	20@ 25
Narcissus	2 00@ 3 00
Callas	8 00@10 00
Sweet peas	25@ 50
Roman hyacinths	1 50@ 2 00

CINCINNATI, Mar. 4.

Roses, Beauty, $2 00@$ 6 00	
" Bride, Bridesmaid	4 00@ 8 00
" Richmond	4 00@ 8 00
" Golden Gate	4 00@ 8 00
" Ivory	4 00@ 8 00
Carnations	2 00@ 4 00
Lily of the valley	3 00@ 4 00
Violets	50@ 1 00
Daisies	50
Callas	10 00@12 50
Harrisii	15 00
Roman hyacinths	2 00@ 3 00
Narcissus	3 00
Smilax	12 50@15 00
Daffodils	2 00@ 3 00
Tulips	2 00@ 4 00
Asparagus plumosus and Sprengeri in bunches, per bunch. 25c	
Eastern Ferns, per 1000, $2 00	
Galax, Green and Bronze, $1 00	

LOUISIANA, MO.—Mrs. C. H. Foreman will continue the business conducted by her late husband.

Buffalo Cut Flower Co.

468 Washington St.,
BUFFALO, N. Y.
J. N. BAILEY, Manager.

WE HANDLE

Roses, Carnations, Violets,
and other Seasonable Flowers.

Also Wire Designs and Supplies:

CONSIGNMENTS SOLICITED.

Long Distance Phone: Frontier 3607; Bell Sen. 3762. Open daily from 7 a. m. to 7 p. m. Sunday 8:30 to 12 m.

Weiland & Olinger,

128 E. Third St., CINCINNATI, OHIO.

Wholesale Growers and Shippers of Cut Flowers.

Greenhouses, NEW CASTLE, IND.

WM. C. SMITH & CO

WHOLESALE FLORISTS.

Bell, Main 2018. Kinloch, Cent. 410. 1316 PINE ST., ST. LOUIS, MO.

H. G. BERNING,

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

RICE BROTHERS

Wholesale Florists and Supplies,
115 N. 6th St., MINNEAPOLIS, MINN.

CUT FLOWERS received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quotedon large quantities.

ATLANTA, GA.—The civic improvement committee, working in conjunction with several clubs, is holding meetings at which the projects of beautifying the city are discussed. Nothing is settled as yet but the movement contemplates a continual and perpetual beautifying of the city, a work which will be gradual and at the same time lasting in its scope.

New York.

TRADE VERY QUIET.

There is little change, worthy of note, in the condition of the flower market. Prices are about as low as they can go, so there is little cause for alarm on that score. There has been intermittent periods when the market had the appearance of life, but a close investigation proved that there was but little to it. There is considerable activity about some of the leading retail stores, but with the great volume of good stock pouring into the wholesale districts, it is not nearly what it should be. The weather has been cold, and we feel sympathy for the hard working growers who are burning coal to save flowers that must be sold at a sacrifice. In the vernacular of the cartoonists, we all seem to be "in bad," and, so far as human foresight goes, there will be no improvement this season; Easter comes late and can only furnish a few crumbs for the hungry. What has been written is the dark side. On the other hand, we see the country generally prosperous; confidence in a large measure restored after the late financial panic; a greater and more widespread interest in horticulture than ever before existed; therefore, it is reasonable to hope and believe that, when the clouds roll by, the business of the florists will be on a firmer basis. There is an abundance of good stock, going cheap; and this statement covers the whole field.

March 2.—A fog and slushy streets do not improve trade conditions. The advent of Lent, this week, while it causes little foreboding in the market, cannot be expected to improve conditions.

NOTES.

Henry Hession, a well-known carnation grower of Flatbush, has a very interesting novelty in the shape of a magenta carnation seedling. In addition to its distinct shade, which is doubly beautiful in a setting of white flowers, it is productive and a splendid keeper. It is now in its fourth year and has improved each year. Though the flowers are not of extraordinary size they are large enough for all commercial purposes, finely formed and the calyx never splits. He is now making a great cut of Enchantress, White Enchantress and other standard varieties of carnations. The quality is unexcelled by any blooms that reach the market. Another feature of his range is his great cut of Boston Market carnations.

E. H. Smith, of Hazelton, Pa., is opening a wholesale store on Twenty-ninth street. He has engaged as manager, James H. Blauvelt, formerly manager for A. Warendorff, and later with Chas. Millang. The new enterprise will be conducted as a wholesale plant and cut flower store and a commission business will also be carried on. There will be no change in Mr. Smith's Hazelton interests.

A cablegram was received February 28 from F. W. Smythe, the active member of the retail firm of Wadley & Smythe of this city, announcing his safe arrival in Paris. Mr. Smythe will spend about six weeks visiting the leading cities of Europe. He is accompanied by his mother. Before leaving the city he gave a dinner to a number of his old employes which was a very enjoyable affair.

President Traendly of the Society of American Florists will, after attending the meeting of the executive committee at Niagara Falls, take an extended western trip, which will include the American Rose Society's convention and exhibition at Chicago. He will be accompanied by E. V. Hallock and other well-known horticulturists of this section.

Professor J. C. Corbett, horticulturist, of the Department of Agriculture, Washington, D. C., will read a paper at the club meeting March 9, on the "Preparation of Soil for Greenhouse Purposes." Growers should take notice and attend the meeting as Professor Corbett stands high in the ranks of investigators.

The officers of the New York Cut Flower Exchange report that, notwithstanding the depression, the exchange has enjoyed one of the most prosperous years since it came into existence. The exchange people practice the square deal policy and it may be well to add, it is practically a grower's market.

Wm. H. Kuebler, of Brooklyn, is not sure that the tunnel from Manhattan to Borough Hall is an unmixed blessing to Brooklyn wholesalers. One morning last week his train got tied up somewhere under the middle of the East river and he came near having that creepy feeling.

A. J. Guttman entered his tenth year of business in the wholesale district March 1. He celebrated February 29 by taking a large party of friends and employes to the Florists' Club banquet. Mr. Guttman is a generous employer and an entertaining host.

Chas. Weiss, who has a considerable glass area, and grows a variety of stock at One Hundred and Sixty-second street and Morris avenue, has opened a retail store at 1 East Forty-first street, which is just around the corner from Fifth avenue.

Chas. Zeller & Son of Flatbush, have a very fine stock of plants coming on for Easter. This includes lilies, hydrangeas and various other stocks. They are now sending in fine specimens of genista and Otaheite oranges.

New York Florists' Club.

THE ANNUAL DINNER.

The annual dinner of the New York Florists' Club was held on the night of February 29, at the Hotel St. Denis. President Weathered of the club acted as toastmaster; Ex-President Totty sat at his right and Vice-President Marshall at his left. A pleasing feature of the function was the presentation to Mr. Totty of a handsome diamond scarf pin from members of the club, the presentation speech being made by Robert M. Schultz, whose remarks were in a particularly happy and felicitous vein. The response by Mr. Totty was feeling and appropriate.

There were interesting after-dinner addresses from President Traendly of the S. A. F., the toastmaster, E. V. Hallock, Walter F. Sheridan, and others. There was good music, and amusing recitations by a professional entertainer.

Among those present were: Pres. Traendly of the S. A. F., Pres. Weathered of the Florists' Club, Walter F. Sheridan, E. V. Hallock, John N. May, John G. Essler, F. A. Bolles, W. R. Du Rie, W. E. Marshall, Chas. H. Totty, A. F. Faulkner (AMERICAN FLORIST), S. S. Butterfield, Andrew Scott, Phil. Kessler, Arthur T. Rogers, John Miesem, E. W. Holt, John Donaldson, John Birnie, Robert M. Schultz, A. J. Rickards, A. J. Guttman, H. Reidel, J. K. Allen, John Allen, Herman Kuhn, John Young, W. A. Manda, Frank Manda, John T. Withers, Harry Turner, John Egenbrod, Clif. Hopkins, Albert Metz, H. J. Metz, George Okerse, Harry Hornecker, August Begrow, Patrick Schwartz, A. L. Miller, and Harry Bunyard.

SUMMER OUTING.

The summer outing of the club will be to Witzel's Grove, July 1, via the steamer Isabel. Stowe's orchestra has been engaged and the horticultural societies of Glen Cove, Bayshore, Tarrytown, N. J., Red Bank, Madison and Orange, N. J., will be invited to co-operate. Additional members of the committee are Messrs. Bunyard, Rickards, Guttman, Fenrich, Hoffmeyer, Kessler, Wheeler, Berry, Donaldson and Totty.

ROCHESTER, N. Y.—Thos. Cogger has removed from 41 North street to 280 East Main street.

CHATHAM, N. Y.—The Chatham Floral Co. is to remove its large greenhouse on Fairview avenue to its plant above the Rutland tracks.

Toronto.

STOCK VERY PLENTIFUL.

Although business is fairly active it is not good enough to use up the large quantities of stock coming in at present and values are not steady. With carnations and daffodils as low as $7.50 per 1,000 it gives a good idea of the quantities of these which are on the market. Roses continue to sell out fairly close, though good bargains can even be had in these; the stock is in excellent shape, Richmond and Killarney having most demand. Carnations are mostly of the fancy varieties and are all that can be desired excepting the price. Violets and lily of the valley continue plentiful.

NOTES.

Grobba & Wandrey will erect a new range this season; much of the material is on the place and the work will be pushed forward as soon as the weather permits. This firm is handling large quantities of bulbous stock, but as it always combines good quality with quantity, it realizes good prices.

Richmond roses prove so successful and come with such good stems that the Bedford Park Floral Co. will discard American Beauty. There is so long a period at which this rose is unproductive in this section that the other variety has proven more profitable.

Carnations and miscellaneous stock have done so well with Wm. Mackay that he will erect another house. Myosotis in quantity has been his specialty lately and was sold to good advantage.

Geo. Mills has a new device for the burst carnation calyx shaped much after the style of a hairpin; it is quickly and easily attached, hardly noticeable and of great benefit.

Those who had the pleasure of seeing the new rose, Mrs. Jardine, are so favorably impressed that nearly all the growers here will try it the coming season.

Wm. Gammage of London is in the city having a look at the different establishments; he reports a very good season for his locality.

D. J. Sinclair is again getting into shape after his recent fire, the insurance company having allowed him $2,000.

H. Bayersdorfer and M. Rice & Co., of Philadelphia, Pa., have both had their agents here.

H. G. D.

Syracuse, N. Y.

TRADE IMPROVED.

Business has taken a brace, due as much as anything else to the excellence of the stock which is coming in. The show windows are resplendent with beautiful flowers and plants. A number of social events previous to the opening of the Lenten season has created a good demand. All are preparing for Easter.

NOTES.

Superintendent of Parks David Campbell has begun a systematic trimming of trees located all over the streets of the city. Two gangs of men have been employed and work will be continued until the middle of March. About $4,000 will be expended in this way.

P. R. Quinlan is cutting the finest lot of carnations he has ever had. The dark weather has retarded his roses somewhat and a little more sunshine would improve conditions. Mr. Quinlan is having a splendid plant trade.

The state fair appropriation bills have been advanced out of the committees and will probably pass. This will give the state fair the opportunity to do a large amount of landscape gardening at the grounds.

Henry Morris says that business is fairly good for this time of year. Mr. Morris has a good trade on American Beauty roses in pots.

Bard & Davis are doing a large wholesale and retail business in the west end.

A. J. B.

Traendly & Schenck,
WHOLESALE FLORISTS,
44 West 28th Street, Phones, 798 and 799. New York City.

Alexander J. Guttman,
THE WHOLESALE FLORIST OF NEW YORK
43 WEST 28th STREET
PHONES, 1664-1665 MADISON SQUARE
ENOUGH SAID

J. K. ALLEN, Wholesale Commission Florist.
Consignments Solicited.
Open every day at 6:00 a. m. Telephone, 167 Madison Square.
106 W. 28th Street, NEW YORK CITY.

A. L. YOUNG & CO.
WHOLESALE FLORISTS-
54 West 28th Street, NEW YORK
Consignments of Choice Cut Flowers Solicited. Prompt Payments. Give us a Trial. Telephone 3559 Madison Square.

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JOHN I. RAYNOR
Are the best product of the best growers for the New York Market.
Adiantum Croweanum sold here exclusively.
49 W. 28th St., NEW YORK.
Tel. 1998 Madison Square.

ALFRED H LANGJAHR
WHOLESALE FLORIST
55 W. 28th Street, NEW YORK.
All flowers in season. Consignments of first-class stock solicited.
Telephones, 4626 and 4627 Madison Sq.

FORD BROS.
Receivers and Shippers of
Fresh Flowers
48 West 28th St. NEW YORK.
Telephone 3870-3871 Madison Sq.

J. Seligman. Joseph J. Levy.
John Seligman & Co.
WHOLESALE FLORISTS,
56 West 26th Street, NEW YORK.
Opposite N. Y. Cut Flower Co.
Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best Prices. Satisfaction guaranteed. Tel. 4878 Madison.

Tarrytown, N. Y.

The regular monthly meeting of the Horticultural Society was held at Good Templars hall February 28. The executive committee reported that the following dates had been arranged for the annual exhibitions: Summer show, June 14; fall show on November 4, 5, 6. An invitation was read from the Monmouth County Horticultural Society to attend its fourth annual dinner which will be held at Red Bank, N. J., March 3, and C. M. Atkinson, Irvington, N. Y., was elected an active member of the society.

Wm. Scott offered a prize for 12 cut roses, but we are sorry to report, that roses must be off crop around here, as the only vases on the table were from Robert Scott and Sons, Sharon Hill, Pa.; they sent the new Mrs. Jardine, which, after a severe and critical discussion, was awarded a certificate of merit. "Rose Growing Under Glass" was the subject for the evening; the discussion was opened by Joe Mooney and followed by many members.

At the next meeting "Cyclamens" will be the subject for discussion. L. A. M.

Charles Millang. August Millang.
MILLANG BROS.
Wholesale Commission Florists,
41 West 28th Street, Telephones 3860-3861 Madison, New York.

Wholesale Flower Markets

NEW YORK, Mar. 4.

Roses, Beauty, special	40 00@50 00
" " fancy	30 00@35 00
" " extra	20 00@25 00
" " No. 1	8 00@15 00
" " Nos. 2 and 3	1 00@ 6 00
" Richmond	2 00@15 00
" Bride, Bridesmaid, G. Gate Special	8 00
" No. 1	3 00@ 5 00
" No. 2	1 00@ 2 00
Carnations, fancy	2 00
" common	50@ 1 00
Lilies	5 00@ 8 00
Lily of the valley	1 00@ 1 50
Asparagus plumosus strings	30 00@50 00
" per doz. bunches	2 00@ 3 00
Smilax	8 00@10 00
Catfleyas	35 00@50 00
Cypripediums	4 00@ 5 00
Violets	20@ 50
Gardenias	5 00@20 00
Callas, per dozen	60@ 1 00
Paper White Narcissus	50@ 1 00
Roman hyacinths	50@ 75
Mignonette, per doz.	50@ 75
Jouquils	50@ 1 50
Sweet peas	50@ 1 00
Tulips	75@ 1 00
Freesias	40@ 50
Lilac	40@50 per bunch
Snapdragon	2 00@ 3 00

FRANK MILLANG,
Wholesale Commission Dealer in
CUT FLOWERS
55-57 W. 26th Street, Coogan Building. NEW YORK.
Telephone call, 299 Madison Square.

D. Smith & Co.
Wholesale Florists,
111 West 28th Street,
New York.

John Young
WHOLESALE FLORIST,
51 West 28th St., NEW YORK CITY
Long Distance Telephone, 4463-4 Madison Sq.

HORACE E. FROMENT
WHOLESALE COMMISSION.
American Beauty Roses a Specialty. Roses, Violets, Carnations, Valley, Lilies, Etc.
57 West 28th St., NEW YORK CITY
Telephones: 2200 and 2201 Madison Square.

Walter F. Sheridan
WHOLESALE FLORIST,
Telephones: 3532 and 3533 Madison Sq.
39 West 28th St., NEW YORK

Moore, Hentz & Nash,
Wholesale Commission Florists,
55 and 57 West 26th Street,
Telephone No. 756 Madison Square. New York.

N. Y. Cut Flower Exchange
Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable Wall Space to Rent for Advertising.
V. S. DORVAL, JR., Secretary.

Thomas Young, Jr.
FLORIST,
500 5th Ave., NEW YORK.
Telephone: 847 Bryant.

Tel. 1009 Madison Sq. Established 1872
PERKINS & NELSON
Wholesale Florists
57 West 26th Street, Cor. 6th Avenue. NEW YORK.

Samuel A. Woodrow
WHOLESALE
PLANTSMAN AND FLORIST
53 W. 30th St., NEW YORK.
Out of town orders a specialty.
e ephone 2083 Madison, Consignments solicited

Fancy Carnations

We have big cuts of the Finest Carnations seen on this market in years, our prices are down to $1.50 to $2.50 per 100; according to grade. LONG BEAUTIES also in good supply. ROSES, of A1 grade and in good crop. Note the following prices.

	Per doz.
American Beauties, extra long stems	$5 00
30-inch stems	4 00
24-inch stems	3 50
20-inch stems	3 00
18-inch stems	2 00
15-inch stems	1 50
12-inch stems	1 25
8-inch stems	75c to 1 00

	Per 100
Bride	$ 6 00 to $10 00
Bridesmaid, fancy	6 00 to 10 00
Killarney, fancy	10 00
" good	5 00 to 7 00
Kate Moulton, fancy	10 00
" " good	5 00 to 7 00
Richmond, fancy	10 00 to 15 00
" good	6 00 to 8 00

	Per 100
Chatenay, fancy	$10 00 to $12 00
" good	6 00 to 8 00
Uncle John, fancy	6 00 to 10 00
Perle	4 00 to 8 00

ROSES, Our Selection, $4.00 per 100

	Per 100
CARNATIONS, fancy	$2 50
" good	1 50

All other stock at lowest market rates. No charge for packing. Prices subject to change without notice.

WIETOR BROS.,

Wholesale Growers of ..... CUT FLOWERS 51 Wabash Ave., CHICAGO

ACACIA PUBESCENS $2.00 and $2.50 PER BUNCH.

THE CHOICEST NOVELTY ON THE MARKET.

THE LEO NIESSEN CO., Wholesale Florists, 1209 Arch St., Philadelphia, Pa.

Wholesale Cut Flowers

Killarneys, Valley, Carnations in large lots at lowest market prices. Consignments solicited of Ivory, Maids and Beauties. Settlements Weekly.

Washington, D. C. JAMES J HARTY & CO., 1312 G St., N. W.

Philadelphia.

DEMAND VERY LIGHT.

The feature of the market the past two weeks has been the unprecedented glut in carnations. The quantities coming in are not unusual, but the demand is so light that prices for the most part are ruinous. The best Enchantress, on first arrival, are offered at $1.50 per 100, an unheard of price for such stock. The very best price for any of the fancies is $3, in small lots. Quantity figures are away below the prices quoted, $5 per 1,000 securing very good stock for street sales. No one seems to understand this slump or the reason for the light demand as it was generally expected that the last two weeks of the season would wind up with a rush, but no extra demand developed and it remains to be seen what effect the Lenten season will now have. Things can scarcely get much worse and if there is to be any hope for the better it must develop soon, as the brief season after Easter will make a very short season indeed. For some reason the American Beauty rose crop is very short at present. One of the large commission houses having an order for 18 specials had hard work to fill it one day the past week, as after saving up and telephoning to their growers, getting a few here and there, they finally managed to make good; $6 per dozen is the price, although they say they should bring $9. All the tea roses are plentiful, $12 being high. A few Richmond roses, special stock, are quoted at $20 to $25 per 100. All other flowers are plentiful and cheap. Daffodils range from $1.50 to $2. Nothing good from the south as yet, but they are expected any time. Lily of the valley is still very plentiful and cheap, $2 buying good stock, with $3 for special.

CLUB MEETINGS.

The feature of the March meeting of the club was the paper of J. Otto Thilow, on new things in an old country. It was replete with incidents and information, given in his inimitable style and was declared by President Hohman the most enjoyable paper ever read before the club. Robt. Craig spoke of his recent trip to Boston, describing the Killarney roses at the trade exhibition there that were remarkable for size and beauty having buds four inches in length, borne on stems four feet long. He also saw sweet peas with stems 24 inches in length and other things much better than are seen in this market. He described trips to the places of Wm. Sim and Thos. Roland, which were worth a trip to Boston if nothing else was seen. It was decided to hold a dinner in the foyer of Horticultural Hall March 11, the price of tickets to be $3.

NOTES.

The second assembly ball was held at the Bellevue-Stratford hotel last Friday. Habermehl's had the decorations, which were quite elaborate. Numerous dinner parties to visiting guests gave quite a lot of work and made Friday a rather busy day.

Pennock Bros. have had their window elegantly decorated with cypripediums the past week, large plants in full flower, with cut blooms arranged in small baskets and the whole in a setting of Adiantum Farleyense making a very much admired display.

The Century Flower Shop advertised a sale of Enchantress carnations for Saturday last; the price, 45 cents per dozen, was tempting, and it is said that over 5,000 blooms were sold.

There is considerable complaint among the growers of Easter lilies, on account of diseased bulbs, some of the crops showing up very badly as the season advances.

K.

TORONTO, ONT.—The amendments to the act respecting horticultural societies introduced by the Minister of Agriculture provide that the annual meetings of such organizations be now held during the first week in November.

Pittsburg.

STOCK PLENTIFUL AND CHEAP.

All last week the carnation market was to the bad, although street sales Saturday were very good and gave every one a chance to clean up, but at a miserable price. One prominent retailer advertised all week that he would give four dozen carnations for $1 on Saturday. When one considers that he handled in the neighborhood of 30,000 flowers one may know how many dollar boxes went over the counter. This is one way to clean up a glut and the wholesale men seem to like it as it cleans up an icebox full of stock without much trouble although the price is way low. Roses, which have been none too plentiful, are now coming in very strong and a great many are left over. Lilies are also over abundant with better quality. It always seems to be a feast or a famine with these flowers. Other bulb stock moves slowly although there is a good call for Emperor narcissus.

NOTES.

In its Sunday edition, The Gazette-Times gave the opinion of different business men on the hard-times situation, and the following appeared regarding the florist: "The florist with his bright and pleasant surroundings gives an added touch of confidence to the prospects and while admitting a slight falling off in trade, is not downcast, one firm even making the assertion that its January business has surpassed all records for the same month in any previous year. The 'girl' must have flowers and the 'boy' will see that she gets them at any cost for he won't take the chance of losing her for the sake of a few paltry dollars. That will come afterwards."

The little colony of florists between Seventeenth and Eighteenth streets on the south side are again making things merry in that neighborhood. M. S. Stafford has secured the lease on the place now occupied by H. L. Blind & Bros., while the South View Floral Co. of Carrick intends to open a new store at the

CARNATIONS.

Very low prices on large lots.

BULB STOCK.

The finest in this line at right prices.

PITTSBURG FLORISTS' EXCHANGE, Pittsburg, Pa.

AMERICAN BEAUTIES

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

GRAFTED AND OWN ROOT ROSES

KAISERIN, CARNOT, KILLARNEY, RICHMOND, LIBERTY, BRIDE and BRIDESMAID.

—Send For Prices—

W. H. ELLIOTT, BRIGHTON, MASS.

Pittsburg Cut Flower Co.

(Limited)

WHOLESALE FLORISTS

222 Oliver Ave. PITTSBURG, PA.

CARNATIONS in quantity. Special prices on large orders.

ABSOLUTELY THE BEST POSSIBLE SERVICE.

W. E. McKissick

WHOLESALE FLORIST,

Business Hours 7 a.m. to 8 p.m. 1619-1621 Ranstead St., PHILADELPHIA, PA.

old Stafford stand. The Blind Bros. expect to secure other quarters near their old place and with J. J. Fuchs and The Palm Decorating Co. across the street, the south side will not suffer for want of flower stores.

W. Q. Potter resigned from The Pittsburg Cut Flower Co. February 29. The trade will miss him very much as he has been with that firm for the past six years. As a mark of appreciation, the above firm gave a theatre party to their employes in his honor, February 27.

Some time ago thieves entered the greenhouses of A. T. Lorch & Co., De Haven, and stole about 600 fine White Lawson carnations.

Christ, one of the old-time florists of the Pittsburg market, has returned from Georgia where he has spent most of the winter.

Breitenstein & Flemm have closed a lease for the entire building at 636 Liberty Ave., where they will move April 1.

Mrs. J. Elicker, Homestead, has been laid up with the grip.

Visitors: H. Glenn Fleming, Fairmont, W. Va., M. Shattles, New York, and C. Limbach of L. Baumann & Co., Chicago.

Fredericton, N. B.

With the exception of Christmas, the trade in this section has been the worst on record since October, but we are hoping for better things. Not much money has been made this winter and those who have kept their end up are lucky. The weather has been favorable and just now there is scarcely enough snow for the lumber industry. In this neighborhood, and probably in others, it would be better if half the florists were out of the business and back on the farms.

NOTES.

J. Bebbington & Son have had their stokehole under water and have had great difficulty in maintaining the temperature in their houses. Not only the stokeholes but three of the houses were submerged February 16, some five feet of water being reported. By the use of stoves and various makeshifts Messrs. Bebbington were fortunately able to hold the temperature around 40° and thus save serious damage. They intend petitioning the city council to help them by providing proper drainage for the upper portions of the city and prevent this flooding of the lower levels. It was fortunate that the weather at the time was moderately cold only. This firm has an unusually fine strain of cyclamens.

J. B.

J. B. Murdoch & Co.

714 Penn Avenue, PITTSBURG, PA.

All Seasonable Flowers.

Wholesale Flower Markets

PHILADELPHIA, Mar. 4.

Roses, Tea	6 00@ 8 00
" " extra	12 00@15 00
" Liberty	10 00@25 00
" Queen of Edgely, extra	50 00@75 00
" " " first	25 00@40 00
" Beauty, extra	50 00@75 00
" " first	25 00@40 00
Carnations	2 50@ 6 00
Lily of the valley	3 00@ 5 00
Asparagus, bunch	50 00
Smilax	15 00@20 00
Adiantum	1 00@ 1 50
Violets, single	50@ 75
" double	1 00@ 1 50
Cattleyas	50 00@60 00
Cypripediums	5 00
Lilium Harrisii	12 00@15 00
Mignonette	3 00@ 6 00
Sweet peas	75@ 1 00
Freesias	2 00@ 4 00
Gardenias	35@ 50

PITTSBURG, Mar. 4.

Roses, Beauty, specials	50 00@60 00
" " extras	35 00@40 00
" " No. 1	15 00@20 00
" " ordinary	6 00@10 00
" Bride, Bridesmaid	6 00@12 00
" Chatenay	6 00@12 00
" Richmond	6 00@12 00
" Perle	6 00@ 8 00
" Killarney	6 00@15 00
Carnations	1 00@ 3 00
Lily of the valley	3 00@ 4 00
Smilax	10 00@12 50
Asparagus, strings	50 00
" Sprengeri	3 00@ 4 00
Lilies	8 00@12 50
Adiantum	75@ 1 25
Violets	50@ 75
Cattleyas	75 00
Paper White Narcissus	2 00@ 3 00
Roman hyacinths	2 00@ 3 00
Sweet peas	50@ 1 00
Daffodils	2 00@ 3 00

BOSTON, Mar. 4.

Roses, Beauty, best	35 00@50 00
" " medium	20 00@25 00
" " culls	6 00@12 00
" Bride, Bridesmaid	1 00@ 2 00
" Extra	4 00@ 8 00
" Liberty	8 00@12 00
Carnations	1 00@ 3 00
" Fancy	3 00@ 5 00
Smilax	8 00@12 00
Adiantum	75@ 1 25
Asparagus	35 00@ 0 00
Harrissi	10 00@12 00
Callas	8 00@12 00
Daffodils	2 00@ 4 00
Narcissus	1 00@ 3 00
Sweet peas	50@ 1 00

YELLOW DAISIES

$15.00 per 1000.

JOHN W. McINTYRE,

1601 Ranstead St., PHILADELPHIA.

Buffalo.

BUSY DAYS PRECEDE LENT.

The past week has been enlivened by the rush of society to get all entertainments in before Lent and all have succeeded. While the number has been large, the amount expended from a florist's point of view has not been as large as in other years. The supply of stock is good, with the possible exception of American Beauty roses, whose quality is poor and demand small, signs on the store windows giving a price of $1; violets 50 cents per bunch, while another had daffodils 20 cents per dozen, carnations 25 for 25 cents, which goes to show when a good lot of the above mentioned flowers are on hand and not moving fast. A sign will wake the people up and booms trade, but it is unwise to run the same article two days in succession. It is not a bargain or snap then and the people are first to know it. Azaleas are coming in fine.

NOTES.

On March 2 the florists had another bowling meeting which was attended by 46 of the florists Even J. H. Rebstock was there and bowled in his old-time form. This week Friday will be the election and banquet when Rome will howl and florists who have not attended a meeting for years have assured the committee of their intention to be there. The entertainment will be grand. We hope the night will be so that Wm. Scott, Sr., will be able to be with us.

Traveling men have been numerous recently, not counting the gentlemen from Holland, whose names are legion, but the supply houses have had S. B. Green, of H. Bayersdorfer & Co., Philadelphia, Pa.; Dykes, representing Ed. Jansen, New York; J. B. O'Neil, of Vaughan's Seed Store, Chicago, also the representative of Reed & Keller, New York.

Miss Margaret Skinner, who for several years has had charge of J. H. Rebstock's store, has forsaken the life of a winning lady in a flower store for the quiet life of a married woman. While the shock was great, the florists all wish Margaret a long and happy life.

The rivalry between Charlie Sanford and Charlie Reichert for the presidency of the Florists' Club is great.

BISON.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

Louisville.

STOCK PLENTIFUL.

Business conditions the past week were very slow; especially was this the case with carnations, which seem to be plentiful everywhere. The extra quality stock finds a ready demand. Roses are in fair supply, but not much can be said of the quality. They find a good demand. Violets are very cheap, and find slow sale. Lily of the valley has a fair demand, and is in good supply. The quality is excellent. Jonquils, Roman hyacinths, narcissi, tulips, etc., are in good supply, and find a fair demand. Green goods, especially fancy ferns, are very scarce.

NOTES.

Nanz & Neuner had a large display of violets this week, while Jacob Schulz had a good window of jonquils.

J. E. Marret is much improved.

F. L. S.

Indianapolis.

The delegation from this city that visited Richmond, February 26, was probably the largest that has ever gone from here, and the trip was very enjoyable. At the E. G. Hill Co.'s place Rhea Reid rose was the chief object of admiration and it was showing up better than ever.

Geo. M. Garland of Des Plaines, Ill., who was with us, devoted, it seemed, about one hour to each of the delegates, talking iron gutter. He is the only living man who can drill a square hole with a rotary motion.

The following is a list of the visitors comprising the delegation to Richmond: G. Brown, M. Brandlein, J. Eigel, J. Elsner, Geo. M. Garland, Des Plaines, Ill., J. Grande, J. Hack, —— Hansley, J. and W. Hartje, J. and E. Haugh, Geo. Hitz, F. Hukriede, F. Hyatt, H. Junge, W. Langstaff, O. Lorange, E. Nelson, J. Nickels, F. Pahud, A. Petit, E. and F. Rieman, H. Rodenbeck, F. Schubert, S. Smith, ——— Stanley, J. S. Stuart, Jr., E. Temperly, P. Weiland, H. and E. Weigand, G. Willner and A. Youngerman.

Tall, the city florist, is making a name for himself by his systematic and economical arrangement of the numerous city parks.

H. D. Schilling is the proud father of a Schilling, Jr.

J.

Indianapolis Florists Visit Richmond.

At the regular January meeting of the Indiana State Florists' Association, we were invited to visit the Richmond florists, and February 26 was the date named to go. When the day came we had one of the worst snowstorms of the year, but I went down to the depot, believing that the florists would give up the trip. To my surprise I found about 35 florists waiting for the train, and soon we heard the cry: "All aboard for Richmond."

Grave's was the first stopping place. We found carriages in waiting and all the Richmond florists there to escort us over the city and to different greenhouse plants. I do not know how many thousand feet of glass this firm has, but the place is immense. Here they grow a large stock of roses, carnations, chrysanthemums and a large lot of assorted plants, which they ship all over the country.

The next place we visited was that of John Evans, of the Quaker City Machine works, then the B. K. and B. Floral Co. and the great plant of the E. G. Hill Co., the latter of which alone would have taken a week to see properly.

I wish to thank Messrs. Nelson and Hukriede for taking care of the old man, for had it not been for them he would have fallen by the wayside.

THE OLD MAN.

Detroit, Mich.
John Breitmeyer's Sons
Cor. Miami and Gratiot Aves.
Artistic Designs.
High Grade Cut Blooms.
We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Omaha, Neb.
Hess & Swoboda,
FLORISTS,
1415 Farnum St. TELEPHONES 1501 and L 1582

Kansas City, Mo.
Samuel Murray
...FLORIST...
1017 Broadway Coates House Conservatory
Both Phones 2670 Main.
Write, Telephone or Telegraph. All orders given prompt attention.

Los Angeles, Cal.
J. W. Wolfskill,
FLORIST,
Telegraph Orders a Specialty. 218 W. 4th St.

Boston, Mass.
HOUGHTON & CLARK,
FLORISTS
Telephone Connection. 396 Boylston St.

Seattle, Wash.
Woodland Seed & Floral Co.,
808 Second Avenue.
Will fill all orders for Cut Flowers, etc. for steamers for Japan and Alaska or any part of the Pacific coast. A. L. AABLING, Gen. Mgr.

Louisville, Ky.
JACOB SCHULZ,
644 FOURTH AVENUE.
Cut Flowers of BEST QUALITY in season, delivered promptly to any address.
Write, Telegraph or Telephone
Cumberland and Home Phones 223 and 984

Nashville, Tenn.
Joy Floral Co.,
610 CHURCH STREET.

Atlanta, Ga.
ATLANTA FLORAL CO.
41 PEACHTREE STREET.

Brooklyn, N. Y.
Robert G. Wilson
Fulton St. and Greene Ave.
Greenhouses: Short Hills, N. J.
— Deliveries in —
Greater New York, Long Island and New Jersey.
Trade orders from all parts of the country filled for delivery at residence, steamer, hotel, or theater on wholesale basis. Satisfaction guaranteed. Wire or telephone.

New York.
WILLIAM H. DONOHOE
No. 17 E. 28th Street,
Between 5th and Madison Aves.
Long Distance Phones 3034-3035 Madison Square.
Write, wire or telephone your orders.
Personal attention assured. Prices always right.

Galveston, Tex.
Mrs. M. A. Hansen
—FLORIST—
Special attention to Telegraph or Telephone orders. 'Phone 1912.

St. Paul, Minn.
HOLM & OLSON,
ST. PAUL.
THE LEADING FLORISTS OF THE NORTHWEST
Orders will be well cared for anywhere in MINNESOTA AND THE DAKOTAS.

Rochester, N. Y.
J. B. KELLER SONS,
FLORISTS,
25 Clinton Avenue, N.
Rochester Phone 506. Long Dis. Bell Phone 2189.

Washington, D. C.
Blackistone
14th and H Streets.

New Orleans
CUT FLOWERS
For Tourists and General Trade.
Wire or mail. Highest Grade Stock Only.
URIAH J. VIRGIN, —838— CANAL ST.

Denver, Colo.
FLORAL DESIGNS AND FLOWERS
Best Quality on Shortest Notice
DANIELS & FISHER
Order by mail, telephone, telegraph or cable. Cable address: "Daniels, Denver."

Kansas City.

BUSINESS GOOD.

Trade in most respects is good. There are, however, some dull days but so far there has been no noticeable over supply in any item which is regarded as unusual for this time of the year. Funeral work seems to have fallen off somewhat during the past two weeks but the stores seem to be fully as busy with other kinds of work. Social affairs are responsible for quite a bit of the store business at present but this is usually the case during the few weeks previous to Lent which is observed very noticeably to the decorators. Stock of almost all kinds is adequate and the quality is good. Carnations are in the lead at present both in quantity and in general demand. Enchantress is particularly good with all the growers. American Beauty rose is the only item of real scarcity but since we have other fine varieties such as Killarney and Richmond it is not so difficult to cope with the situation as it was a few years ago when American Beauty was in the field all to itself. Some good Mrs. Potter Palmer is seen occasionally but they are not gaining the popularity of some of the other roses, perhaps on account of their weak stem. Bulb stock appears more plentiful but so far it is a disappointment to most of the growers. Easter lilies, freesias, lily of the valley, and other seasonable offerings are plentiful.

NOTES.

The Wm. L. Rock Flower Co. had the decorations for the Lemon-Howe wedding which occurred at St. Joseph, last week. The affair was an elaborate one consisting of the decorations at both the home and the church. Quantities of southern smilax and Easter lilies were used at the church and at the house were arranged huge bunches of Killarney roses and white lilac. The table was most striking, a huge round arrangement of Killarney rose and white lilac placed on a tall standard and draped with many streamers of pink chiffon. The bridal outfit was especially attractive. The bride's bouquet was a shower of white orchids and lily of the valley, and the attendants had arm bouquets of cypripediums and white lilac.

The Jones Dry Goods Co. offered as a special last Saturday carnations at 15 cents per dozen while the Emery Bird Thayer Co. sold them for 25 cents. Looks as though a little war existed between the two stores. Some of the flowers were good while others were not fit to give away. Retailers say that after all the sales of carnations have been increased and continue to increase on the days that the department stores offer them.

Geo. M. Kellogg called on the trade last week for the first time this winter. Mr. Kellogg says conditions have been fully restored at the plant and hardly a trace remains of the damage done by the explosion which nearly wrecked the plant last fall. At present he is cutting exceptionally fine carnations.

It is rumored that a new flower shop is to be opened very soon in a portion of the Wherritt Drug Co.'s new quarters in the Bryant building. Our old friend D. Freudenthal is said to be back of the venture and if the report is true we extend the best wishes for every success.

E. A. Humfeld's place is quite gay with bright colors these days and attracts no little amount of admiration from the endless string of passersby on the boulevard. Pans of daffodils and jonquils and fine pots of white lilac were in the window recently.

Visitors: Warren Spain, Lees Summit; Frank Sachs, Topeka, Kans.; A. Roelker, New York; and G. M. Reyburn of Vaughan's Seed Store, Chicago. K. C.

ST. CHARLES, ILL.—Henry Swaby is preparing to build a greenhouse 30x130 feet for carnations and bedding stock.

ASPARAGUS, BOSTONS, AZALEAS,

Plumosus Nanus, 2½-in., $3.50 per 100, $30.00 per 1000; 3-in., 6c; 3½-in., 10c; 4-in., 12c; 5-in., 20c; 6-in., 30c. Comorensis, 2-in., 2c; 2½-in., 3c; 3½-in., 6c. Sprengeri 2½-in., 3c; 3½-in., 8c; 4-in., 10c. Bostons, 2½-in., 4c; 3-in., 8c; 4-in., 15c; 5-in., 25c; 6-in., 40c; 7-in., 65c; 8-in., $1.00 to $1.50; 10-in., $1.50 to $2.00.

Azaleas. We are now booking orders for Xmas delivery. Write for prices. Our stock is the best in the west and well budded too.

Long Distance Bell Phone, Lackland. Long Distance Kinloch Phone, Creve Cœur.

Terms Cash. J. W. DUNFORD, St. Louis County, Clayton, Mo

Cut Flowers or Designs

Will be delivered for the Trade on Wire or Mail. Orders in Best Qualities and Prices.

St. Louis, Mo.

Fred C. Weber,

FLORIST,

Established 1873. Bell, Lindell 676. 4320-4328 Olive St.

San Francisco, Calif.

J. B. Boland Co.

Successors to Sievers & Boland.

FLORISTS,

47-49 Geary Street.

Cleveland, O.

The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in NORTHERN OHIO.

New York.

MYER, FLORIST,

609-611 MADISON AVE.

Phone 5297 Plaza.

WASHINGTON D. C.

Gude's.

St. Louis, Mo.

WRITE, WIRE OR PHONE YOUR ORDERS TO

YOUNGS,

1406 Olive Street.

Regular discount allowed on all orders, either Plants or Cut Flowers.

Phones Bell, Main 2306. Kinloch, Central 4981.

Dayton, O.

Matthews,

—FLORIST—

16 W. 3rd Street.

Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones

Chicago.

HAUSWIRTH FLORIST

M. C. and J. E. Hauswirth.

Auditorium Annex.

Mail, telegraph or telephone orders filled promptly in best style.

Kansas City, Mo.

WILLIAM L. ROCK Flower Co.,

Will carefully execute orders for Kansas City and any town in

Missouri, Kansas or Oklahoma.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in WISCONSIN.

Indianapolis, Ind.

Bertermann Bros. Co.

FLORISTS

.....241 Massachusetts Ave.

Albany, N. Y.

EYRES

Flowers or Design Work.

DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.

11 NORTH PEARL STREET,

Denver, Colo.

The Park ...Floral Co.

J. A. VALENTINE, President.

Muskogee, Okla.

The Muskogee Carnation Co.

Wholesale and Retail in Cut Flowers.

We grow all our own Cut Flowers. Funeral work orders our specialty. Wire or mail order. Prompt attention.

Kansas City, Mo.

GEO. M. KELLOGG,

906 Grand Avenue,

KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

Buffalo, N. Y.

Palmer's

W. J. Palmer & Son, 304 Main St.

The Seed Trade.

American Seed Trade Association.

Geo. S. Green, Chicago, Pres.; M. H. Duryea, New York, First Vice-Pres,; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-sixth annual convention, June 23 to 25, at Hotel Ponchartrain, Detroit, Mich.

VISITED BOSTON: L. W. Wheeler, San Jose, Cal.

DETROIT, MICH.—Lem Bowen has returned from California.

A EUROPEAN advertiser has it that "Dead seeds tell no tales."

LOS ANGELES, CAL.—The Morris & Snow Seed Co. is doing a good business this season.

PORTLAND, ORE.—J. J. Butzer says business is better this season that he has ever known in his experience of over 20 years.

ESCANABA, MICH.—C. Peterson & Sons, florists, will install a seed department this month, carrying a full line of garden and field seeds.

OKLAHOMA CITY, OKLA.—Guy Reyburn, representing Vaughan's Seed Store, was a recent visitor and reports doing good business here although the season is just opening.

WATERTOWN, S. D.—Five carloads of choice timothy seed have been shipped from Codington county to the Chicago market this winter, purchase price paid on the tracks being $3,386.76, the net weight being 80,419 pounds.

PHILADELPHIA, PA.—Robert Buist, 70 years of age, is as sprightly as many men at 50. He varies his work betw en the office and counter and at the latter often makes a very active salesman through the mid-day hours.

SAN FRANCISCO, CAL.—The May Seed Co., a new firm established by C. S. May, formerly with the Cox Seed Co., and A. J. Moraumont, formerly with Trumbull & Beebe, are reporting quite a good business, in fact better than expected.

EDEN GEM, as a name for cantaloupe seed, has been registered under United States Certificate 57955, by A. F. Young & Co., of New York. It will be interesting to know to what extent and for how long they expect protection.

THE Iowa state law against adulterated seed makes an exception of the farmer who sells his own seed to the planter, thus making it possible for any farmer to sell adulterated seeds if he should so desire—pretty smart Iowa farmer law makers. Query—Is such a law constitutional?

THE Canadian government will distribute nearly $3,000,000 worth of seeds to the settlers in the Alberta and Saskatchewan regions, where the crops last year were either total or partial failures. This will differ, however, from the United States government distribution in that the money spent for this purpose will draw 5 per cent interest and operate as a mortgage on the land.

Braslan Seed Growers' Co.

Growers for the Wholesale Trade Only.

SAN JOSE, CAL.

HOLLAND DUTCH travelers report a falling off of 25 per cent from their advance orders booked at this time.

SOME Iowa seed houses are advertising to the retail trade that their seeds correspond with the new laws of every state.

THE Iowa pure seed law, which has the endorsement of the Iowa Seed Dealers' Association, establishes a very high standard of purity and germination and exacts a penalty on unscrupulous dealers exposing for sale or giving away for seeding purposes seeds which do not come up to the requirements of the law. The officers of the association are: Chas. N. Page, president; Henry Field, vice-president; John T. Hamilton, treasurer, and W. C. Adams, of the Adams Seed Co., Decorah, secretary.

American Seed Trade Association.

President Green and Secretary Kendel met in Detroit February 22, and made final arrangements with the Hotel Pontchartrain for headquarters for the twenty-sixth annual convention. The use of a suite of rooms on the parlor floor has been secured for the meetings and ample accommodations for all have been assured at reasonable rates.

New York.

TRADE VISITORS: A. J. Pieters, Hollister, Cal.; Chas. P. Braslan and L. W. Wheeler, San Jose, Cal.; J. B. Agnew, Greeley, Col.; Chas. R. Kimberlin, Santa Clara, Cal.; C. Cropp and C. W. Scott, Vaughan's Seed Store, Chicago.

The disturbance caused in building the terminal of the Jersey subway has not benefited retail traffic in Cortlandt street.

Chicago.

TRADE VISITORS: A. J. Brown, Grand Rapids, Mich.; J. B. Agnew, Greeley, Col. Mr. Agnew has just returned from a 60-day trip through Western Mexico, where he left Mrs. Agnew, in Guadalajara; E. M. Parmalee of John H. Allan Seed Co., Sheboygan, Wis.; Chas. P. Braslan and L. W. Wheeler of the Braslan Seed Growers Co., San Jose, Cal.

S. F. Leonard, of the Leonard Seed Co., returned last week from a business trip to Boston and other eastern points. John M. Clark, of the same firm, is confined to his home with grip.

Grass seed contract prices on the board of trade March 3 are noted as follows: Prime timothy, $4.85 (no bids); medium red clover, $19.25; choice white clover, $15.

Onion set prices for immediate delivery are about as follows: Yellow, $2.40; red, about $2.50; white, $3 for 32 pounds.

Dealers who sold sets early at $1.65 to $2 per bushel for March delivery are now in position to make a loss.

Business Notes.

At Sunnyville, Cal., C. C. Morse & Co. are planting this year onion and sweet pea seed crops on the Murphy range, which has formerly been used by the Braslan Seed Growers' Co. for some years past, while the Braslan Co. has leased the Britton and Center

HORTICULTURE IN ALASKA.

Collection of Vegetables. See page 272.

ranges, amounting to about 250 acres, just beyond the Murphy range toward Agnew's. This land is mostly devoted to onion.

Hollister, Cal.—A. J. Pieters has recently purchased a home of about 13 acres about four miles out of this city. His firm has about 500 acres of seed crops made up of sweet peas, a favorite crop of this firm, onion, about one-half of last year, the remainder devoted to lettuce, radish, carrot and onion bulbs for 1909 seed crops, with moderate quantities of other vegetable and flower seed crops, the latter to be planted later in the season.

Catalogues Recieved.

Peter Henderson & Co., New York, grass seed, forage plants, etc.; Kendall & Whitney, Portland, Me., seeds, implements, etc.; Theo. Koss, Milwaukee, Wis., garden and farm seeds; Ottolander & Hooftman, Boskoop, Holland, nursery stock; The Connon Floral Co., Hamilton, Ont., plants, shrubs, etc.; Wagner Park Conservatories, Sidney, O., garden and lawn plans; James J. H. Gregory & Son, Marblehead, Mass., vegetable and flower seeds; David Sachs, Quedlinburg, Germany, garden, agricultural and flower seeds; Leesley Bros. Nursery, Chicago, nursery stock; K. Velthuys, Hillegom, Holland, bulbs and flower roots; W. W. Wilmore, Denver, Col., dahlias, hardy plants, etc.; Ellwanger & Barry, Rochester, N. Y., nursery stock; The Wm. H. Moon Co., Morrisville, Pa., hardy trees and plants; C. M. Hobbs & Sons Nurseries, Bridgeport, Conn., fruit and ornamental trees; Vaughan's Seed Store, Chicago, seeds and plants; J. F. Rosenfield, West Point, Neb., peonies; Memphis Floral Co., Memphis, Tenn., roses, chrysanthemums, bedding plants; Thos. Meehan & Sons, Inc., Philadelphia, Pa., outdoor plants; The Advance Co., Richmond, Ind., ventilating apparatus; Amzi Godden Seed Co., Birmingham, Ala., seeds, plants, etc.; W. Atlee Burpee & Co., Philadelphia, Pa., Prize Supplement for 1908; B. C. Pratt Co., New York, "Scalecide;" S. J. McMichael, Findlay, O., vegetable plants; The Storrs & Harrison Co., Painesville, O., nursery stock; Edward Gillett, Southwick, Mass., hardy ferns and perennials; Hasslach & Roumanille, St. Remy de Provence, France, seeds; Vilmorin-Andrieux & Co., Paris, France, chrysanthemums; Wagner Park Conservatories, Sidney, O., hardy plants, shrubs, etc.; E. Neubert, Wandsbek, Germany, seeds.

Imports.

During the week ending February 29 imports were received at New York as follows:

McHutchison & Co., 188 cases trees and plants.

H. F. Darrow, 53 cases plants, 84 pkgs. lily of the valley pips, one bag seed.

A. Rolker & Sons, 29 cases plants.
Elliott & Sons, three cases plants.
H. H. Beyer & Co., two cases bulbs.
Vaughan's Seed Store, two bls, bulbs.
J. M. Thorburn & Co., 20 pkgs. seed.
Yokohama Nursery Co., 22 cases garden seed.
Stumpp & Walter Co., 12 pkgs. seed.
P. Henderson & Co., two pkgs. flower seed.
S. Stern, eight cases lily of the valley pips.
H. Philips Seed Co., one case seed.
F. G. Mills, one case seed.

To others: 181 pkgs. plants, 42 cases plants, two cases fruit trees, five cases forest trees, 19 cases trees, 788 bags, 83 bls. seed, 194 bags clover seed, six cases bulbs.

British Horticulture.

FROM THE BRITISH TRADE PAPERS.

THE MANCHESTER BOTANIC GARDEN.—The White City Co., who offered £2,000 per year rent for the gardens of the Manchester Royal Botanical Society, have "come to grief through having started a large business with too little capital;" but John Edward Lees, a gentleman of considerable means, thinks that a success can yet be guaranteed. He asks for the option of renting the gardens for a term of 20 years, determinable by the tenant at the end of five, ten or fifteen years, and the rent is £2,000 a year for the first ten years, and £2,200 for the remainder of the term; £500 deposit had been paid on the agreement. It was proposed to form a company to carry on a similar undertaking to that conducted at the gardens by the White City Co. last summer. The horticultural shows would be the same as they had always been, and the shareholders in the botanical society would continue to enjoy the privileges they had always had. The resolution to accept Mr. Lees' offer was then put to the meeting and carried.

LAWN GRASS SEED in Bulk and Packages
Dickinsons, Evergreen, and Pine Tree Brands
SPECIAL MIXTURES SEED FOR GOLF GROUNDS
MINNEAPOLIS THE ALBERT DICKINSON CO. CHICAGO

VAN ZANTEN BROTHERS
Royal Netherlands Bulb Nurseries and Export Trade.
HILLEGOM, HOLLAND.
Wholesale growers of the leading sorts of Hyacinths. Tulips, Narcissus. Crocus, Spiræas, Gladiolus, Pæonies, etc., etc. We further ask your attention to our superior quality and special prices of French Bulbs, Roman Hyacinths, Paper White Gr., etc. Ask quotations from our traveler
MR. G. HYLKEMA,
care of Messrs. Maltus & Ware,
14 Stone St., NEW YORK.
Who will also send you, on demand, catalogue and special prices of all
HOLLAND BULBS AND PLANTS.

HJALMAR HARTMANN & CO.
Growers for the Wholesale Trade Only.
31 Barclay St. NEW YORK. 12 Stormgade, COPENHAGEN.

CAULIFLOWER and CABBAGE SEED

Rogers Brothers,
SPECIALTY GROWERS.
Purest Strains GARDEN PEA and BEAN SEED.
For the Wholesale Trade. ALPENA, MICH.

Telegraph Code
OF THE
Am. Seed Trade Association
$2.00
In either stiff or flexible cover. Address orders to
AMERICAN FLORIST CO., CHICAGO.

VIBURNUM RHYTIDOPHYLLUM.—A very distinct species of viburnum, and a striking evergreen shrub. The broadly lanceolate leaves are large, being each from eight inches to nine inches in length, and two inches to two and one-half inches in width. They are, on the upper surface, dark green and very much channelled, while the under-side is covered with a dun-colored tomentum. The flowers, borne in dense corymbs in May or June, are not particularly showy. They are yellowish-white in color. The berries that succeed them become bright red in hue, changing afterwards to almost black. It was in this stage when a first-class certificate was awarded it on September 17.

RUBUS BAMBUSARUM.—One of the many brambles that we have received from China within the last few years. It produces long, trailing branches 12 feet or so in length, clothed with very distinct foliage. The major portion of the leaves consists of but three leaflets, but there are occasionally five. Each leaflet is lance-shaped and smooth on the upper surface, while the lower is clothed with a thick brownish tomentum. This also occurs on the young shoots. The bramble in question is said to produce its flowers in terminal racemes, while the fruit, black when ripe, is edible.

London Cries.

Here's pennyroyal and marygolds,
Come, buy my nettle-tops.
Here's water-cresses and scurvy-grass,
Come, buy my sage of virtue, ho!
Come, buy my wormwood and mugworts.
Here's all fine herbs of every sort;
Here's southernwood that's very good,
Dandelion and houseleek.
Here's dragon's tongue and wood-sorrel,
With bear's-foot and horehound
Let none despise the merry, merry cries
Of famous London town!

MICE PROOF SEED CASES.
SEND FOR BOOKLET.
HELLER & CO., Montpelier, O.

S. M. ISBELL & CO.
JACKSON, MICH.
Contract Seed Growers,
Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.
Correspondence Solicited.
Write for Prices on Surplus Stocks for Immediate Shipment.

S. D. WOODRUFF & SONS,
Seed Growers and Dealers,
GARDEN, FIELD and FLOWER SEEDS
82 & 84 Dey St., Phone N. Y. 7573 Cortlandt,
NEW YORK.
ORANGE, CONN. Warehouse: Queens, L. I.
Catalogue or special quotation on request.

Waldo Rohnert
GILROY, CAL.
Wholesale Seed Grower
Specialties: Lettuce, Onion, Sweet Peas, Aster Cosmos, Mignonette, Verbena, in variety.
Correspondence solicited.

C. C MORSE & CO.,
SEED GROWERS,
Address all communications to our permanent address
48 to 56 Jackson St., SAN FRANCISCO.
ONION, LETTUCE, SWEET PEAS.
and other California Specialties.

Peas AND Beans
Alfred J. Brown Seed Co.,
GRAND RAPIDS, MICH.

W. J. Eldering & Son,
Wholesale Bulb Growers and Dealers.
OVERVEEN. HAARLEM. HOLLAND.
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MARKET GARDENS.

POTATOES are a glut in California—one million sacks remain unsold. New cabbage is also selling below cost, shipping having just begun. Tomato growers made no money.

GRAND RAPIDS, MICH.—The March meeting of the Grand River Valley Horticultural Society will be held at the home of John B. Martin the first Saturday in the month and Chas. W. Garfield has charge of the programme. The general topic will be "Glass Farming" and at this meeting Mr. Garfield announces that Prof. Thomas Gunson, of the Michigan Agricultural College, will speak on "The Hotbed and Its Uses," and that Prof. L. R. Taft, also of the college, will speak on "Some of the Forward Movements in Glass Farming."

GENY BROS'. ESTABLISHMENT, WEST NASHVILLE, TENN.
House Containing More Than 400 Dozen Lettuce.

Notes on Cucumbers.

Where cucumbers are intended to follow some other crop, say lettuce, a plan should be made so no time is lost, or plants are stunted by waiting for their permanent quarters. As a rule, lettuce and cucumbers do not combine very well. Lettuce needs a low temperature while cucumbers love heat. Lettuce needs plenty of water—cucumbers love only moderate moisture—especially while young. Hence it is much better to prepare strong plants in 4-inch pots, and cut all the lettuce out before planting the cucumbers. Then the temperature can be held up and excellent results obtained. To produce good cucumber plants, a warm separate plant house is best. The time to produce good plants will vary between four and six weeks, depending on heat given. With a minimum night temperature of 60°, five weeks would be a fair allowance.

To follow lettuce, the single stem method is well liked; for this system, the plants are best set in rows across the beds, not lengthways of the house, this to permit easy access to carry on the work. These rows should be about four feet apart and in the rows the plants may be set 18 inches apart. These distances are minimum; 2x5 would be a fair spacing. I mention this so the grower who wishes to try this method can figure out what plants he needs. Where vines are allowed to run on wires or trellises, a good deal more room can be allowed, as each plant will make many shoots. Then the rows are run lengthwise, generally two rows to each bed, and the plants three feet apart in the rows.

MARKETMAN.

Prices of Indoor Vegetables.

The prices of indoor vegetables at leading points February 29 were as follows: New York, cucumbers, No. 1, $1.50 to $2 per dozen; No. 2, $3 to $5 per box; lettuce, 15 cents to 60 cents per dozen; mushrooms, 25 cents to 55 cents per pound; mint, 50 cents to 75 cents per dozen bunches; radishes, $2 to $3 per 100 bunches; rhubarb, 40 cents to 60 cents per dozen bunches; tomatoes, 15 cents to 25 cents per pound. Boston, tomatoes, 25 cents to 35 cents per pound; cucumbers, $9 to $12 per box. Pittsburg, cucumbers, $15 to $18 per box. Chicago, radishes, 30 cents to 45 cents per dozen bunches; mushrooms, 25 cents to 50 cents per pound. Cincinnati, cucumbers, $1.75 to $2 per dozen; mushrooms, 40 cents to 50 cents per pound. Denver, cucumbers, $2.50 per dozen. Minneapolis, cucumbers, $2 per dozen.

Market Gardening in England.

CUCUMBERS.

Astonishing as is the area that is grown yearly under glass, it is still increasing, new houses being built. The crop season is a short one, followed up by clearing in July, for tomato planting. A successful grower will cut fruit eight weeks after sowing. Sown thinly in boxes, they are potted in 2½ or 4-inch when ready to handle. Benches and soil all being inside and warm, check is thus avoided. We pot loosely, getting some two or three inches of the stem in the pot, care being taken not to bruise the stem, which quickly roots. Beds being ready a fortnight or three weeks from potting they are ready for planting. Some run the plants up the wires to nearly the top before stopping, others do this earlier, when they reach the first wire. The red spider pest which was formerly the scourge is well defied by the free use of "Hamiltons Red Spider Killer." This specific, raised by one of England's largest growers, is welcomed this side of the water, a cheap yet certain cure.

GRAPE GROWING.

Prices and demand are such that the growers here, are paying more attention to the cleaning and border preparations. Black Hambro vines, started in mid-November are now in flower, a good break. Those started a month later are breaking very strongly. Early Alicante fired January 1, are moving, but these are always slower, producing fruit for July-August cutting. Gros Colman is about the same as the last named, Gros Maroc is an early breaker with the Alicante, but takes a long hang after coloring to sweeten. Muscat of Alexandria and Canon Hall, are usually fired March 1, for the early crop, a natural break for the late crop. Late houses of Alicante and Gros Colman are each treated separately, as grapes are cut. Cleaning houses and vines are done as vines are pruned, followed up with border forking, dressing and watering. While, even in our largest and best establishments, the vine and its crop must be the consideration, houses are by no means empty. After clearing, all being ready to start, bulbs, spireas, geraniums, etc., find a temporary home.

S.

Work of Illinois Experiment Station.

A paper (abridged) read by A. C. Beal, of the University of Illinois, at the third annual convention of the Illinois State Florists' Association, Springfield, Ill., February 19, 1908.

Floriculture is one of the interests which has recently received a little attention from the stations. Aside from insect and disease problems and leaving out of consideration, for the moment, publications on forcing vegetables, it seems incredible that an industry representing so large an investment of capital and with an annual product of so great a value has not received more recognition. According to the census of 1900, the amount of capital invested in floriculture was $52,462,419 and wholesale value of the product is given at $18,422,522. Since 1900, the florist business has developed wonderfully and the investment is not far from $100,000,000 for

NEW FORCING TOMATO THE
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Unsurpassed by any other kind for private or commercial growing under glass or outdoor culture. Fruit thick and rich color. Seed limited. Order now. Ready September 1. Price: $1.00 per packet; $3.00 per ounce.
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Vegetable Plants.

	Per 100	1000
Tomato, Mayflower, Lorillard, Earliana. Early Jewel, Early June Pink...	$0.30	$2.00
Beets, Egyptian and Crosby's	.20	1.25
Celery, White Plume and Golden Self Blanching	.20	1.25
Parsley, Moss Curled	.30	2.00
Cauliflower, Early Snowball	.50	
Lettuce, Grand Rapids		1.00
Pepper and Egg Plants, ready for transplanting	.40	2.00

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WHITE MARSH, MD.

VEGETABLE SEEDS
SOW NOW.

	Per ¼ lb.	Per lb.
Lettuce, Grand Rapids Forcing	$ .30	$1.00
May King	.40	1.25
Cucumber, Evergreen White Spine	.25	.75
Davis Perfect	.35	1.25
Radish, Vaughan's Cardinal Forcing	.40	1.50
Improved Scarlet Globe	.25	.70
20 Day Forcing	.20	.60
Scarlet Globe White Tip	.20	.60
Tomato, New Globe	.75	3 00
Comet pkt..	$ .25	
Sunrise pkt..	.25	
Cauliflower, Earliest of All..pkt..	$ .25;	oz.,$2.50

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the whole country. What interest of such magnitude has been given less recognition?

In this connection it is well to bear in mind that when the stations were founded the farmer was the one to whom those in charge of the work looked for support and whom they sought to benefit. Most men, and the farmers least of all, know little about plant growing under glass and he generally has a sort of contempt for the man whose operations are confined to a small area. He might be surprised to learn that there are florists in Illinois who grow under glass more rose or carnation plants than there are hills of corn on 50 acres of land. If he had any adequate conception of the amount of handling, pruning, tying, etc., to care for this number of plants as compared with cultivating the same number of hills of corn, he would have a better opinion of the florist business.

Illinois has published one bulletin upon the subject of tomato forcing. However, the manuscript for a bulletin on school gardens is ready, and data is at hand for three or four other bulletins, viz., "Strawberry Forcing," "Peonies" and "Carnation Fertilizers." I think it a matter of congratulation that this association secured the first appropriation for the exclusive purpose of experimentation in floriculture. Illinois leads in floriculture and it was quite fitting that she should take the lead. The legislature is to be commended for its recognition of this industry by providing funds with which to start the work.

Since Illinois is taking the lead we bear great responsibility as the other states are watching with interest the outcome. We should be exceedingly careful in the expenditure of the funds to secure the greatest possible results. We may be certain that other states sooner or later will follow our example. Should we accomplish this we need not fear but that we shall get further appropriations. It marks a new epoch in floriculture in the experiment stations.

THRIPS INVESTIGATIONS.

The advisory committee has decided that investigations on thrips be taken up this year. A search of the literature was begun to learn what was already known including everything written by florists. From this and from correspondence it was learned that little was known about the species doing the damage and also about their life history in greenhouses. It became necessary to enlist the services of the entomologists in the problem. Dr. S. A. Forbes very willingly detailed one of his most capable assistants on this work. Since the horticultural greenhouses at the university were put to other purposes we had to seek houses at some other city. After considerable search and correspondence the university authorities decided that work should be begun at Bloomington since it seemed that the houses were better adapted to our needs and more convenient. The house was already planted to two varieties of carnations, Queen Louise and Genevieve Lord. Varieties of these colors do not show thrip injury unless the in-

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GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: **Beans**, Beets, Cabbages, **Carrots**, Kohl Rabi, Leek, Lettuces, **Onions**, **Peas**, **Radishes**, Spinach, Turnips, Swedes, **Asters**, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspurs, Nasturtiums, **Pansies**, Petunias, Phloxes, Primulas, Scabious, **Stocks**, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, mixed), the most perfect and most beautiful in the world, $5.00 per oz.; $1.50 per ¼ oz.; 75c per 1-16 oz. Postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own grounds of more than 3,000 acres, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

List of my novelties in flower seeds for 1908 sent on application.

Conway's White Branching Aster.

The flower is pure white, of unusual size and fine shape, with long stiff stems. Blooming from mid-season to late. Is considered by leading florists to be the best and most profitable aster ever grown. **Trade Packet, $1.00; Half Ounce $3.00; Ounce, $5.00.** Cash please.

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Madeira Vine,

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Oxalis, summer blooming, Cinnamon Vine Roots, German Iris, Delphinium Formosum, Lilies, etc.

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Blood Red, Blue, Carmine, Pink, Purple, Violet, Pure White, Compacta, Gigantea, Fringed mixed Hybrids, each separate, Trade pkt. 50c, 6 Trade pkts. $2 50. My new price list will guide you through reliable seeds.

Ask for same.

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Asparagus Plumosus Nanus

We handle this Asparagus both in seeds and plants of all sizes, in very large quantities and make very close prices on larger amounts on application. Our seed is pure, fresh, of best germinating quality and extraordinary vitality

Northern Greenhouse-Grown Seed. Per 100 seeds, **60c**; 250 seeds **$1.25**; 1000 seeds, **$4.00**; 5000 seeds, **$19.50**; 10,000 seeds, **$37.50.** Price for larger lots on application.

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DREER'S FINE FERNS

We offer in particularly nice shape at the present time:

Cyrtomium Falcatum	Pteris Cretica Alba Lineata
Cyrtomium Fortunei	Pteris Cretica Magnifica
Davallia Stricta	Pteris Wimsetti
Dicksonia Antarctica	Pteris Wimseti Multiceps
Lastrea Chrysoloba	Pteris Mayii
Lastrea Opaca	Pteris Hastata
Onychium Japonicum	Pteris Ouvrardi
Pteris Adiantoides	Pteris Serrulata Cristata
Pteris Argyrea	Pteris Tremula
Pteris Wilsoni	Pteris Victoriæ

also Extra Choice Mixed varieties. All the above from 2 1-4-inch pots, $3.50 per 100; $30.00 per 1000.

Pteris Adiantoides	Pteris Ouvrardi
Pteris Cretica Alba Lineata	Pteris Wilsoni
Pteris Mayii	Pteris Wimsetti Multiceps
Pteris Magnifica	Lastrea Opaca

also Extra Choice Mixed Varieties. All the above from 3-inch pots, $6.00 per 100; $50.00 per 1000.

FOR GROWING ON.

Adiantum Croweanum. Unquestionably the best of all the Adiantums to grow for cutting; always in good demand and at profitable prices; a good lot of 3-inch pots, $15.00 per 100; $140.00 per 1000.

Nephrolepis Whitmani. A fine lot of this very useful plume variety, 2¼-inch pots, 75c per doz.; $5.00 per 100; $40.00 per 1000.

Nephrolepis Bostoniensis. A large stock of this popular variety, 2¼-inch pots, 60c per doz.; $4.00 per 100; $35.00 per 1000.

Nephrolepis Todeaoides. This English introduction is unquestionably the best of the plume varieties for growing into large specimens. 2¼-inch pots, 30c each; $3 50 per doz.; $25.00 per 100. 4-inch pots, 50c each; $5.00 per doz.; $40.00 per 100.

Nephrolepis Amerpohli. The most graceful of the Nephrolepis; beautiful, fine divided foliage; especially fine for growing in 5 and 6 inch pans; 2¼-inch pots, 35c each; $3.50 per doz.; $25.00 per 100; $200.00 per 1000.

Fern Flats. The following varieties are still in stock in good condition; potted up now they will make good spring selling plants:

Cyrtomium Falcatum,	Pteris Cretica Alba Lineata,
Pteris Mayii,	Pteris Harrisoni,
Pteris Serrulata Cristata,	Pteris Wimsetti Multiceps.

About 200 plants in a flat, $2.00 per flat.

HENRY A. DREER, 714 Chestnut Street, Philadelphia, Pa.

sects are numerous and the amount of feeding is considerable. As the house was planted late there were few blooms until December and consequently few thrips.

In the different compartments into which the house was divided we are testing the efficiency of some of the leading insecticides now on the market. In two compartments we are using the insecticides as a spray; in three others for fumigation, one both fumigation and spray and the other check. At the present writing there appears to be little difference in the efficiency of the different materials tried. In one instance injury was done the plants by using the substance according to the manufacturer's directions accompanying the goods. In some instances injury has been reported from the use of certain insecticides.

It developed that, after all, we know little about the composition of insecticides, and not having any insecticide law in this state there might be cases where the compound contained little or none of the essential constituent. Pure nicotine is worth not less than $3 per ounce. It is the nicotine that is the constituent which kills the insects. The price of the preparations was not uniform, neither were the claims of the manufacturers as to the amount of nicotine. However the price did not vary as to whether the amount of nicotine claimed was small or large. Why this difference? Did a 30 per cent nicotine preparation contain other valuable material to justify its selling for more than a 40 per cent nicotine preparation?

There was one way to find out about some of these things and that was to analyze them, which I proceeded to arrange for. This work is in progress and I will call your attention to some completed results: The insecticides so far as analyzed with one exception, were ammonia free. The X. L. All vaporizing compound contained camphor in addition to nicotine, while the liquid preparation of the same name, and intended for spraying contained one-tenth the amount of nicotine with soap or oil. Not longer ago than last Saturday I learned of a substance used for adulterating nicotine preparations, and which, it is claimed, is injurious to plants. This alkaloid is much cheaper than nicotine.

Among the insecticides available for destroying thrips is hydrocyanic gas, although its dangerous character may practically exclude its use except in the hands of careful men. The only experiments on carnation thrips reported were to the effect it did not kill thrips. We know that it does kill thrips and in order to learn of its effect on the plant a series of tests were carried out on potted carnation plants from the field. Twenty-eight tests were made on different lots of plants using the gas at the rate of 1¾ ounces to seven ounces per 1,000 cubic feet, and at intervals of from five minutes to one hour with one set exposed for 12 hours, the important consideration being that none of the tests were made at a higher temperature than the night temperature usually carried on in carnation houses. The result was that the plants were not injured.

So the experiment has broadened from a mere test of those insecticides which will or will not kill thrips to study of the species and their life history, so as to give us an insight into their habits. We know that all the species injuring cut flowers are three common, outdoor species, while a fourth is found on the foliage of certain greenhouse plants, and that it is the greenhouse thrips. We know something of their behavior toward temperature and light. We are making progress in the study of insecticides and their efficiency, also their action on the plants. Further than this we have had considerable correspondence with manufacturers of sprayers, etc., and with leading growers over the country about spraying appliances. I would remind you that in solving questions along these latter lines, we solve them with reference to more than one insect pest.

Perhaps some person may think that we have not reported many results, but I wish to say that the responsibility resting on all connected with this work, whether on the committee or the station staff, and further the amount of capital involved, is too great for any of us to report results which we are not absolutely certain are correct. We are appreciative of the fact that you are desirous of results, and I beg to assure you that we want to get the information to you as soon as possible; but I am sure we will at least always agree on one thing, and that is, no reports are better for both than premature reports. In conclusion I would like to say that I should like to hear from any man present, who has any suggestions to make, or I would welcome any communications at any time along this line. I am sure we need your cooperation and we hope to meet your expectations.

TOLEDO, O.—Ewald Suder shot himself February 24 at the family residence on Cherry street.

FORMOSA

LILIUM LONGIFLORUM

Ask your dealer for our own special grown stock or write us direct for quotations. Only a limited quantity available for the coming season 1908. Delivery will be made the first part of August.

The bulbs are thoroughly ripened one month before the Bermuda Harrisii and are considered far superior in quality as they are **entirely free from disease.**

Careful trials were made for two years and were so successful that we imported over 300 cases last season. Our cases will be marked Y. N. Co.

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Sweet Peas.

	¼ lb.	lb.	5 lbs.
Black Michael. New; shining reddish maroon, distinct; **oz., 15c**	$ .40	$1.60	$....
Bolton's Pink, new; pink shaded rose, of immense size; **oz., 20c**	.60	....	....
Bridesmaid, this is a deep bright pink	.15	.50	....
Countess of Spencer Hybrids. The new orchid-flowered Sweet Pea, flowers of immense size, of splendid form; color, various shades of pink and rose	.15	.50	....
Countess Spencer Var., new; a lovely clear pink; **oz., 10c**	.35	1.25	....
Dorothy Eckford, one of the best of all the white	.10	.30	1.25
Earliest of All, pink and white	.10	.30	1.20
Earliest of All, "extreme selection," fine, **oz., 10c**	.25	.85	4.00
Evelyn Byatt. Rich fiery orange; very striking and unique	.15	.60	....
Flora Norton. A very bright blue, quite different from other blues, being a brighter blue and clearer color	.10	.25	....
Florence Frazer. An improved Blanche Ferry, with longer stems true to type	.15	.40	1.75
Gladys Unwin. new orchid-flowered, the finest pink in existence; **oz., 10c**	.30	1.00	....
Helen Lewis. Very large, bright orange-salmon flowers; usually four on a stem; **oz., 10c**	.25	1.00	....
Henry Eckford, new, fine salmon-, orange, self; needs protection from the sun; **oz., 10c**	.25	1.00	....
Hon. Mrs. Kenyon, the best yellow	.15	.40	....
John Ingman. New; rich salmon rose	.15	.60	....
Katherine Tracy, soft but brilliant pink	.10	.25	1.10
King Edward VII. The best of the dark red	.15	.50	....
Lady Grisel Hamilton, the best of all lavender sorts	$ .10	$ .30	$1.35
Mrs. Alfred Watkins, superb pale pink; **oz., 50c**	1.75	6.00	....
Mrs. Geo. Higginson, Jr., a clear delicate light blue showing practically no tint of mauve	.10	.30	1.40
Mrs. Walter Wright, one of the best and largest of the lavenders	.15	.40	....
Navy Blue, deep violet-blue	.10	.25	1.10
Nora Unwin, the best white; **oz., 50c**	1.75	6:50	....
Phenomenal, new; white tinged lavender; **oz., 10c**	.35	1.25	....
Phyllis Unwin, new; deep rosy carmine, self, giant flower (Countess Spencer type); **oz., 10c**	.25	1.00	....
Prima Donna, soft pink	.10	.25	1.15
Queen Alexandra, new; giant size, best scarlet; **oz., 10c**	.25	1.00	....
Shasta, new giant-flowered white. Bears mostly four blossoms to the stem, usually facing one way and the stems are long and stout	.20	.80	....
White Spencer, new, fine; **pkt., 17c.; 5 pkts., 75c.**			
White Wonder, pure white, of the largest size	....	....	....

Vaughan's "Prize" Mixture.—This mixture contains the cream of the new standard sorts. It is made up entirely of new and separate colors, carefully proportioned as to its composition, and we can safely say, **"There is no better mixture in existence." ¼ lb., 15c.; lb., 40c.; 5 lbs., $1.75.**

Vaughan's Florists' Mixture.—This mixture, which is made up by ourselves from separate colors, carefully proportioned of the best cut-flower sorts and colors. **¼ lb., 10c.; lb., 30c.; 5 lbs., $1.25; 10 lbs., $2.25.**

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J. W. Hill, Des Moines, Ia., President; C. M Hobbs, Bridgeport, Ind., Vice-President; George C Seager, Rochester, N. Y., Sec'y.
Thirty-third annual convention to be held at Milwaukee, Wis., June, 1908.

YUMA, ARIZ.—Chas. Meadows has recently purchased in southern California 22 tons of young trees at a cost of about $1,600.

FREIGHT shipments may begin about March 10 or soon after if carefully packed and if not intended for northern or northwestern points.

AUGUSTA, GA.—L. A. Berckmans, of the Fruitland Nurseries, has been confined to his home for several days with the grip, but is now recovering.

JUST as the buds are starting in spring and during mild, moist weather at the end of August are the best times to transplant evergreens, according to John Dunbar.

FREDERICK, MD.—The senate has refused to reimburse Josiah A. Ramsburg for diseased trees valued at about $4,500 that were destroyed by order of the inspector at his nursery.

ROSARIANS will welcome the pamphlet "How to Have Roses," giving a list of the best sorts to grow, by Wm. C. Barry, just issued by Ellwanger & Barry, Rochester, N. Y. Copies may be had for the asking.

C. D. OTIS, president of the Louisiana State Horticultural Society, speaking at the meeting at Minden February 22, said that Prof. Van Deman has acquired a 2,700-acre tract in Concordia and is planting it to grafted pecans and figs. He will plant 25,000 of the latter this year.

A GOOD deal of damage was done to trees in the vicinity of Chicago in the storm of February 29-March 1. The sleet and rain freezing on the branches was especially injurious to cottonwoods and other trees of similar texture. In the fine avenue of these trees adjoining Jackson park, hardly a tree escaped more or less damage. Evergreens were also badly injured.

THE number of trees to be planted on the San Gabriel and San Bernardino forest reserves in California, by the government within the next few weeks has been largely increased over the number originally intended. Provision had been made for 80,000 trees, but Supervisor Charlton announces that there will be an additional 20,000 planted on the San Bernardino reserve and 25,000 on the San Gabriel reserve, making a total of 125,000 to be planted. In addition to these, the forestry bureau has furnished about 25,000 trees to individuals who own lands running back into the mountains along the edge of the forestry reserve.

Texas Peaches Not Hurt by Cold.

Chicago, Feb. 28.—The Morrill, Tex., Orchard Co., wired W. W. McFarland, president of the company, this week that the mercury went to 21° on February 20, but careful examination failed to disclose any damage to peach buds in that section. They also reported that peaches in other sections had not been injured.—Produce News.

ARLINGTON, MASS.—A. Foster Brooks Co. has been incorporated with capital stock $1,000 for landscape gardening. A. Foster Brooks is president and treasurer, Alice H. Brooks secretary.

Hopedale, Mass.

"Landscape Gardening" was vividly described with the aid of the stereopticon by Warren H. Manning of Brookline before the members of Hopedale Unitarian club February 18. Mr. Manning referred to the vast improvements that have been made to the lands in Washington, Cleveland, and other places. In 1850 the first public parks were discussed and later Central park, New York, and still later the park system in Boston were undertaken, these being the first park systems that were tried out.

The speaker told of the shores along the rivers and the edges of ponds as being first places that are secured for public reservations. This kind of work Mr. Manning says extended into many towns today and is rapidly growing. He said Hopedale was one of the first towns to establish a park system and today there are nearly 50 towns that have the park systems. He referred to the improvements to land in the state of Michigan. In referring to the value of beauty, Mr. Manning said that if it was a fit plan it was a beautiful plan. He believed that the plan should be made to fit the service in beautifying the town. He did not believe that the natural beauty of every town was appreciated. He said that the people today, who are seeking house sites, always seek for good views, the living rooms always facing the best view and the kitchen of the house being built in the other direction.

The most beautiful towns, said Mr. Manning, like Hopedale, will bring many people out from the city, who are looking for beauty. He advocated the organizing of a place where flowers can be made to grow close to the house and also connect the terraces with walks and lawns. Regarding the education of beauty, the speaker favored the pupils being taught in the public schools the value of beauty and things that will come to them in every-day life. Mr. Manning closed his remarks by showing numerous illustrations on the screen of houses and grounds that had been greatly beautified by the growing of flowers and shrubbery around the outside of the buildings.

Philadelphus Grandiflorus Laxus.

The philadelphus or mock oranges as a class are so well known in gardens that it seems almost impossible to suggest anything which is not already well known in regard to them. The object of the present note is, therefore, merely to call attention to a fine form of P. grandiflorus, known under the above name, which possesses characters which render it worthy of the notice of lovers of hardy shrubs. The flowers, which are two inches across, are more loosely disposed and are more numerous on the inflorescence, thus displaying their individual beauty much better than those of the type, while they are produced a week to ten days later. The plant is the

HORTICULTURE IN ALASKA.

White Currants Grown by Chas. Walker, Skagway. See page 272.

largest of the genus, and will quickly form a specimen 10 to 12 feet high and as much across. A fine effect may be produced by this plant when grown as a single specimen on a lawn, but the flowers being pure white, require the setting of a background of trees in order to be seen to the best advantage.—Gardeners' Chronicle, Eng.

Work of a Horticultural Society.

In a paper read before a recent meeting of the St. Louis Horticultural Society, Wm. H. Mehl made some very suggestive remarks. After reviewing the progress of the society, which he said had been very well received at the hands of the people of St. Louis, he pointed out that there was a danger of thinking too much of the flower show end of its work and not enough of the even more important side, the "city beautiful" idea. He ably explained the special lines of work that ought to be taken up, such as grading and leveling of home grounds, the making of lawns and the care of the finished garden.

Placing himself in the role of a property owner Mr. Mehl said he would locate his residence and all other buildings properly to do justice to his own taste and judgment and his civic pride. He would make the lay-out harmonious, not forgetting his neighbors' grounds and the effect it will have upon them and the street or avenue. The layman looks to books and papers for instruction and here also is where the lectures and demonstrations of an up-to-date society will help, and, by arousing interest, stimulate public sentiment in favor of beautifying homes and home surroundings. The society should approach the newspapers and get them to publish carefully drawn up sketchs and photographs of homes before and after treatment; also print and distribute in book or pamphlet form the subject matter of its lectures and addresses. Then when all these points are taken care of the society might well bend its energies towards a grand show, which will, as far as possible, outshine that of other cities and towns.

French Gardening in London.

The French Gardeners' Society of London held their annual dinner in London January 18, at the Cafe Royal, Regent street. The meeting was presided over by Harry J. Veitch, the celebrated nurseryman of Chelsea, who was supported by a large company of French and English friends. The greatest cordiality prevailed and the society's work which aims at placing Frenchmen in England and Englishmen in France to enable them to improve their horticultural education, is now a recognized institution of considerable merit. Many of the young men succeed in occupying prominent positions in the world as a result. The society receives the support of the leading nursery houses on both sides of the channel.

P.

Shrubs for New York.

The variety of ornamental shrubs which can be grown in the vicinity of New York is somewhat limited owing to climatic conditions, but in his talk at the American Institute, February 19, George V. Nash enumerated what seemed to the lay mind to be quite a sufficient number of beautiful plants, and he added that he believed many more would be introduced from northern China and Japan. The talk was illustrated with lantern slides showing the shrubs that grow in Central and Bronx parks. Mr. Nash began in the spring with the pussy willow, the earliest flowering shrub, and carried his audience through the seasons, not omitting winter.

It is not at all necessary, it seems, for the garden to stand bare and leafless in winter. In addition to the conifers, which can be arranged so as to be highly ornamental, Mr. Nash mentioned several plants that retain their foliage long after the snow flies. Other plants have ornamental fruit, like the bitter sweet and the holly, and still others have richly colored bark. The Japanese rose, besides having beautiful blossoms in summer, has bright green bark that is most effective in winter.

"If you want a beautiful fall effect on a hillside," said Mr. Nash, "you can select nothing better than the common sumach. This shrub is much despised here, but in Europe it is grown with great care and regard. For a swampy place, or a brook's edge, you can get suggestions by consulting the region in the vicinity. The elder is suitable for such situations and the swamp rose, which may be found in all our swamps, is pretty both in fruit and flower. The swamp azalea may be found around New York."

The wistaria Mr. Nash classed as a shrub and also the arbutus. The latter he has found very difficult to transplant from the wild state, while the natural growth is being exterminated by flower "prospectors." "It used to grow quite freely in The Bronx," said the lecturer, "but has now disappeared. There was one clump that we watched with much solicitude for some time, but some ruthless person came and tore it out, root and branch. Shrubs should not be planted so thickly that their individual peculiarities are lost," said Mr. Nash, "and should not be overpruned for the same reason. They should be allowed to grow in such a way as to bring out their own natural grace and beauty."

Forest Extension in Ireland.

The people of Ireland pay $5,000,000 a year for the timber which is imported from other countries. This is the penalty of failure to protect its forests. Ireland has only 1½ per cent of its land in timber and much of that small area is covered with scrub growth of little value. At the same time 23 per cent of the island is uncultivated. Few inhabited countries have been so extensively deforested.

The work of changing conditions for the better has been entered upon, however, and scientific forestry will be applied. Consul General Alfred K. Moe, of Dublin, reports the progress that has been made looking to the preservation of the few remaining forests and the reforestation of vast areas. The Irish Department of Agriculture maintains a forest school at Avondale which will have charge of the tree planting.

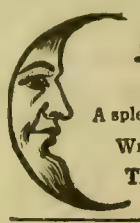
A special study has been made of Lord Fitzwilliam's estate which was planted to timber 50 years ago. A popular objection to reforestation in Ireland has been that forest plantations offer less employment to labor than equal areas of agricultural land. It was shown, however, that Lord Fitzwilliam's forest, although planted on poor soil not valuable for agriculture, had employed four times as much labor as has been employed upon the agricultural land, and was more profitable to the owner. Within the past year timber to the value of $50,000 has been sold from the plantation, and much remains to be cut.

HYDRANGEA

American Everblooming

(H. arborescens sterilis). The largest stock in America of strong 1 and 2-year nursery grown plants of this best of all hardy flowering shrubs.

THE E. Y. TEAS CO., Centerville, Ind.



ARBOR VITÆ

(Thuya Occidentalis.)

A splendid stock, of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.

THE WM. H. MOON CO.,
Morrisville, Pa.

Am. Arbor Vitae Hedge Plants

at Wholesale to Florists.

Best Evergreen Hedge Plant in the World.

EVERGREEN NURSERY CO.,

STURGEON BAY, WIS.

Hardy Roses

American Grown—Superior to Imported

We have unsold at the present time the following varieties—**all field grown plants,** grown in our nurseries at Rochester, N. Y.:

Anne de Diesbach	Prince Camille
Clio	Ulrich Brunner
Frau Karl Druschki	Crimson Rambler
General Jacqueminot	White Rambler
John Hopper	Yellow Rambler
Mme. G. Luizet	Philadelphia Rambler
Marshall P. Wilder	Common Sweet Briar
Mrs. John Laing	Mme. G. Bruant
Paul Neyron	Wichuriana (The Type)

These plants are in our storage cellars and can be shipped at any time. Prices on request.

ELLWANGER & BARRY

Nurserymen—Horticulturists

Mount Hope Nurseries, Rochester, N. Y.

LARGE TREES.

OAKS and MAPLES.
PINES and HEMLOCKS.

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA

The True Amoor River Privet

Ligustrum Amurense

2½ to 3 feet, strong, field-grown plants, any quantity, $25.00 per 1000.

California same size and price.

Peter's Nursery Co., Knoxville, Tenn.

AZALEAS (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Jacs Smits, Ltd. NAARDEN, (Holland.)

Price list free on demand.

BOBBINK & ATKINS,

Rutherford, N. J.,

Bay Trees, Palms, Buxus, Azalea Indica, Rhododendrons, Evergreens, Herbaceous Plants, Roses, Trained Fruit Trees, Greenhouse Grape Vines. Ask for catalogue.

PEONIES.

Festiva Maxima	$20.00 per 100
Queen Victoria (Whitleyi)	9 00 per 100
Fragrans (Late Rose)	6.00 per 100

For 1000 rates and other varieties, write

GILBERT H. WILD, Sarcoxie, Mo.

NEW

Surplus Shipping List

NOW OUT.

Send for one. Low prices. Fine stock.

PETERSON NURSERY,

Lincoln and Peterson Avenues, CHICAGO.

Privet Cuttings.

A sample 1,000 sent on receipt of $1.00.

HARRY B. EDWARDS, Little Silver, N. J

WINONA The True Pink Carnation for 1908.

A Color that Attracts Attention. Once Seen, Always Wanted.

Comes nearest to Fiancee, but is a different type flower. **Never Bursts—Every Calyx Perfect.** Good, shapely, active growth. Blooms early and in quantity. A grand commercial variety. Give it a trial and compare the returns. We have a large stock, clean and healthy. Will guarantee every cutting to be first class. Order now for early delivery. **Price: $12.00 per 100; $100.00 per 1000.** Larger lots, prices on application. With our additional glass we have more than doubled our stock of Carnation Plants, and can fill orders for rooted cuttings to even better satisfaction than in past years.

FOR FEBRUARY DELIVERY AND LATER.

	Per 100	1000
Red Chief, bright scarlet	$5 00	$40 00
Bonnie Maid pink, edged white.	5 00	40 00
Aristocrat cerise	6 00	50 00
Winsor pink	6 00	50 00
Beacon, orange scarlet	6 00	50 00
White Enchantress white	$6 00	$50 00
White Perfection, pure white	3 00	25 00
Rose-Pink Enchantress, pink	3 00	25 00
Enchantress light pink	3 00	25 00
Lady Bountiful, white	$3 00	$25 00
Victory, scarlet	3 00	25 00
Dorothy Whitney, yellow	4 00	30 00
Mrs. Patten, variegated	3 00	
Harry Fenn, crimson	3 00	

F. DORNER & SONS CO., La Fayette, Ind.

Cincinnati.

STOCK MOVES SLOWLY.

Business the past week was at a standstill and it took some tall hustling to move stock. Enchantress carnations came along by the wagonload and the prices went to pieces. In fact carnations of all kinds, with the exception of white, were in oversupply and quite a few found their way into the barrel. The same state of affairs seemed to exist with tulips, daffodils and violets. Roses sold fairly well but at reduced prices; the stock had to be exceptionally fine to fetch $6 per 100. Lily of the valley, Paper White narcissi and white carnations were good property, some funeral work using these up to advantage. Another redeeming feature was the good demand for callas while Lilium Harrisii went begging for customers. Green goods of all kinds sold well, while the demand for florists' supplies was only fair.

NOTES.

Ernst Mack of Price Hill is again buying property. He recently acquired the two lots adjoining his present location and contemplates erecting a new dwelling on the property. Ernst has a good business location, grows good stock and is making money; and deservedly so for he is a hustler, who does not take all the credit for himself but is loud in the praises of his son George, who takes charge of the place when the head is away.

Wm. Dittmann of New Castle, Ind., stopped over on his way home from Florida and while he would not talk flowers hinted that he intended growing nothing but American Beauty roses, and would devote his time and entire greenhouse plant to their culture the coming season.

Carrol Kirkpatrick, who has had charge of the Rosebank Conservatories, left the place rather abruptly February 21, for parts unknown. Wm. Chissick, who has been employed here for a dozen years or more, is now in charge and the place is in good hands as Billy is one of the best greenhouse hands in this section.

At this writing, February 29, the call for stock was very brisk. The street fakirs cleaned up a great deal of the left-over stock, some nice shipping orders helped to move the fresh flowers and by night there was not much stock left in the commission houses.

Albert McCullough, president of the J. M. McCullough's Sons Co., who has been spending the past month with a party of friends fishing in the Gulf of Mexico, is again at his desk and reports having had a delightful time.

Tom Windram returned from Florida Saturday night where he had been looking over his asparagus farm.

Visitors: J. F. Herdigen, Aurora, Ind.; Victor H. Thomas of Augusta, Ky.

S.

CARNATIONS ROOTED CUTTINGS.

Now ready for shipment. Healthy Stock.

	Per 100	1000
Enchantress	$3.00	$25.00
Rose Pink Enchantress	3.50	30.00
Robert Craig	$3.00	$25.00
Vesper	2.50	20.00

ASPARAGUS PLUMOSUS.

Fine bushy plants.

	Per 100	1000
From 3-in. pots	$7.00	$60.00
From 2½-in pots	$4.00	$35.00

CYCLAMEN, Craig's Famous Strain, from seeds of our own saving, twice transplanted, 100, $4.50; 1000, $40.00.

FICUS PANDURATA, (in tubs), magnificent plants. single stems, 6-ft. high $7.50 each. Magnificent plants, branched, 5½-ft. high $7.50 each.

ROBERT CRAIG COMPANY,

Market and 49th Sts. PHILADELPHIA, PA.

LLOYD Will Not Disappoint You.

The only ever blooming **White Carnation** in existence. It is the bread and butter white of the future. Size and stem of Enchantress, with the freedom of McGowen. Easy Rooted. Excellent keeper and shipper. Best seller of any carnation on the market.

Rooted Cuttings, **$2.00** per doz., **$12.00** per 100, **$100.00** per 1000; unrooted **$6.00** per 100, **$50.00** per 1000.

H. A. JAHN, New Bedford, Mass.

Carnation Cuttings.

——FINE STOCK OF——

Lawson, Enchantress, Rose Pink Enchantress, Perfection, Lady Bountiful, $3.00 per 100; $25.00 per 1000.

Winsor, $6.00 per 100; $50.00 per 1000.

Cash with order. Address

JOHN L. WYLAND, DeHaven, Pa.

White Enchantress.

ROOTED CUTTINGS

$6.00 per 100; $50.00 per 1000.

E. SCHRADER, New Springville,

RICHMOND BOROUGH, N. Y.

CARNATION CUTTINGS.

We are in unusally good postion to supply exceptionally well-rooted, healthy stock. We have such a large quantity of flowering plants that we propagate only from heel cuttings from flowering shoots. Our cuttings are rooted in light, sunny, airy, houses, and we are sure will satisfy the most critical buyer.

A prominent carnation grower writes: "You seem to be **the only firm in the business that knows how to pack stock and have it reach the buyer in good condition,** and I have always found your cuttings cheaper than the same varieties at much lower figures.

While our prices may not always be the cheapest, we certainly can give, quality considered, as good value if not better, than is obtainable anywhere.

WINSOR, which we introduced last year has proved to be the finest novelty introduced in years. We think it is the most profitable variety grown to-day, considering its fine color, splendid keeping qualities and productiveness. When properly grown it leaves little to be desired, and almost every one succeeds with it.

White Enchantress, the best all-round White Carnation, on account of its large size, long stem, earliness and productiveness. Our White Enchantress exhibited at the Carnation Convention at Washington, was the only White Enchantress exhibited that received an award.

Strong rooted cuttings, now ready for delivery, from sand, $6.00 per 100, $50.00 per 1000; from soil, $7.50 per 100, $60.00 per 1000.

We offer, also, **Beacon** and **Red Chief,** from sand, $6.00 per 100, $50.00 per 1000; from soil, $7.50 per 100, $60.00 per 1000, also **Victory, Melody** and **White Perfection,** from sand, $4.00 per 100, $35.00 per 1000; from soil, $6.00 per 100, $45.00 per 1000; **Variegated Lawson, White Lawson** and **Red Lawson,** from sand, $3.00 per 100, $25.00 per 1000; from soil, $4.00 per 100, $35.00 per 1000. We can supply, also, **Winona** and **Afterglow,** at $12.00 per 100, $100.00 per 1000.

Buyers will find transplanted stock offered from soil well worth the difference in price.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

SPLENDOR

Color: Light pink. Between Mrs. T. Lawson and Winsor. Nothing finer ever introduced as a commercial variety at any price.

Strong healthy cuttings guaranteed. March delivery. PRICE: $10.00 per 100; $75,00 per 1000; 500 at 1000 rates.

Stevenson Bros.,
GOVANSTOWN, BALTIMORE, MD.

Columbus, O.

BUSINESS DULL.

Trade this week has been dull. There have been a very few society events lately, not anything to compare with former years. American Beauty roses are still of poor quality but the demand is light also. Violets are of splendid quality, both single and double, prices ranging from $1 to $1.50 per 100. Tea roses are of good quality but the demand is somewhat light. Carnations are selling fine, Enchantress taking the lead. Prices range from 35 cents to 75 cents per dozen.

Geo. Bauman has been soliciting donations for a church fair at which he will have charge of the agricultural products and plants. Mr. Bauman is one of our well known west side growers.

The contract for constructing a new and much needed greenhouse in Schiller park was awarded by the service board, February 24, to W. A. Borrer and A. Feustel, at their bid of $4,925.

Members of the Florists' Club were entertained by Mrs. Griswold at the old Griswold inn, in Worthington, February 25.

Columbus Floral Co. has had large numbers of carnations on hand this week, principally in dark colors.

Albert Knopf has gone on a trip for his health to Daytona, Fla. He expects to stay about four weeks.

Graff Bros. are running heavily on single violets, which are of splendid quality.

CARL.

Carnations

Well Rooted Cuttings. Ready for Shipment.

PINK.	Per 100	1000
Lawson	$1.50	$12.50
Enchantress	2.00	15.00
WHITE.		
White Lawson	2.00	15.00

WHITE.	Per 100	1000
Boston Market	1.25	10.00
RED.		
Robt. Craig	2 50	20.00
Cardinal	2.00	17.50

Rose Cuttings.

Strong, well rooted Cuttings.

	Per 100	1000
Bride, Bridesmaid, Ivory, Richmond, Chatenay and Uncle John	$1 50	$12.50
Sunrise and Kate Moulton	3.00	25.00
Perle	2.00	17.50
American Beauty, bench plants, now ready,	10.00	75.00

PETER REINBERG,
51 Wabash Ave., CHICAGO.

DEFIANCE

The only scarlet with the real velvet color. It is there for quantity and quality. Let us have your order for early delivery.

$12.00 per 100; $100.00 per 1000.

JENSEN & DEKEMA, —674— W. Foster Ave., **Chicago. | W. N. RUDD, Morgan Park, Ill.**

WINSOR AND WHITE ENCHANTRESS Immediate Delivery.

Rooted cuttings $6.00 per 100, $50.00 per 1000; from soil, $7.50 per 100, $60.00 per 1000; from pots, $9.00 per 100, $75.00 per 1000.

Satisfaction guaranteed. **WHITE BROS., Gasport, N. Y.** Try us.

Utica, N. Y.

Business is good, and has been better during February than last year.

Peter Crowe is cutting roses from his houses which were planted less than eight weeks ago.

Possibly the finest sight in the city at present is the large new house of carnations at Wm. Pfiefer's place. The house contains about 10,000 plants and each plant has from six to ten buds and flowers. Its beauty could not be described but is worth going miles to see.

BUD.

Utica Florists' Club.

The Utica, N. Y., Florists' Club held its seventh annual carnation meeting in Elks' hall, Franklin square, February 28, and it was in every way a gratifying success. The club has a membership of over 60 and the attendance was large. There was a magnificent display of cut flowers, mainly carnations, which were exhibited in vases placed on long tables in the center of the hall.

The exhibits included a new cerise pink carnation of very large size, called Splendor, which is not yet on the market, but will be disseminated this year. There were many beautiful specimens sent by Stevenson Bros., Govanstown, Baltimore, Md. A vase of pink carnations called Victoria came from J. H. Cushing, Quidnick, R. I., and attracted much favorable attention, as did a vase of yellow carnations, all seedlings and new ones from Paul Thompson of Rhode Island. On the same table was a vase of white carnations, President Seelye, from H. W. Field, Northampton, Mass., a large vase of Beacon from Peter Fisher, Ellis, Mass., and one of the dark crimson Harvard, from J. D. Cockcroft, Northport, L. I. A vase of Afterglow from R. Witterstaetter, Cincinnati, O., was also much admired.

A vase of the new single violet Boston, a variety which will be sent out next year, also stood on this table, from William Sim of Cliftondale, Mass. Another exhibit on the same table deserving of special mention, was a vase of Rose Rhea Reid, sent by E. G. Hill Co., Richmond, Ind. Robert Scott & Son, Sharon Hill, Pa., sent Mrs. Jardine.

Dr. W. A. Rowlands of Whitesboro had a large and beautiful collection of carnations, including numerous specimens of the following varieties: New Red (1907), White Perfection, Mrs. Patten (var), White Lawson, and two very large vases filled with Variegated Enchantress carnations extra large flowers.

L. F. Goodwin of Clark Mills displayed 75 very handsome White Perfection carnations. J. O. Graham of Little Falls showed fine specimens of Enchantress and Rose Pink Enchantress, and William P. Pfeifer of Whitesboro street exhibited superb specimens of Enchantress, White Enchantress, Rose Pink Enchantress and Winsor.

After the flowers had been duly admired and talked over all partook of a banquet. The next meeting of the club will be held at the residence of Dr. W. A. Rowlands, Whitesboro, on the first Thursday in April, at which time a winter clambake will be enjoyed.

CARNATION CUTTINGS ::: DEPEND

On receiving only **strong and healthy** cuttings when you order from **us.** We have only the **nicest** and **best** varieties. Write for further information to

Guttman & Weber

The Wholesale Florist of New York. Grower,

42 West 28th Street. **Lynbrook, L. I.**

Victory, Imperial, Pink Imperial, Aristocrat, Winsor, Welcome, White Perfection, Lieut. Peary, Rose Pink Enchantress, etc.

CARNATIONS

Good, Healthy and Well Rooted Stock.

WHITE	Per 100	Per 1000
White Enchantress	$6.00	$50 00
White Perfection	3.00	25.00
White Lawson	2.00	15.00
Lady Bountiful	2.00	15.00
Boston Market	2.00	15.00
Queen	2.00	15.00
PINK		
Enchantress	2.50	20.00
Rose P. Enchantress	3.00	25.00
Lawson	2.00	15.00
RED		
Cardinal	3.00	25.00
Victory	3.00	25.00

Lakeside Floral Company

HOUGHTON, MICHIGAN.

AFTERGLOW.

$12.00 per 100; $100.00 per 1000.

Aristocrat.....$6.00 per 100; $50.00 per 1000
White Perfection .... 3.00 per 100; 25.00 per 1000

Orders booked now for future delivery,

R. Witterstaetter, Station F, Cincinnati, O.

Rooted Cuttings

	Per 100	1000
Lady Bountiful	$2.00	$18.00
Enchantress	2.00	18.00

Cash with order. Good stock guaranteed.

Pettit & Sharpnack, SALEM, OHIO.

CARNATIONS

Rooted Cuttings. Healthy stock.

	Per 100	1000
Winsor, Helen M. Gould, Beacon	$6.00	$50.00
White Enchantress	7.00	60.00
Melody, Victory	4.00	
Enchantress, Lady Bountiful, Red Lawson, Variegated Lawson, White Lawson, Daheim	3.00	25.00
Mrs. T. W. Lawson, Boston Market	2.00	15.00

Send for Catalogue.

WOOD BROTHERS

FISHKILL, N. Y.

Rooted Carnation Cuttings

White.	Per 100	1000
White Perfection	$3 00	$25 00
White Enchantress	6 00	
Pink.	**Per 100**	**1000**
Enchantress	$2 00	$15 00
Rose Pink Enchantress	3 00	25 00
Lawson	1 75	15 00
Helen Goddard	2 50	
Aristocrat	5 00	
Red.	**Per 100**	**1000**
Beacon	$6 00	$45 00
Victory	3 00	25 00
Robt. Craig	3 00	25 00
Crimson.	**Per 100**	**1000**
Harlowarden	$1 75	15 00

ELI CROSS,

Cor. Ashland Ave. and Page Street. **Grand Rapids, Mich.**

JOHN E. HAINES,

BETHLEHEM, PA.,

is the place to order rooted cuttings of the following varieties for 1908.

	Per 100	Per 1000
John E. Haines, red	$6.00	$50.00
Imperial, variegated	6.00	50.00
Pink, Pink	6.00	50.00
Enchantress, Light pink	6.00	50.00

MANCHESTER, N. H.—C. L. Howe, of Dover, has opened a new store on Pleasant street. Roy Thomas is to be resident manager.

HAVANA, CUBA.—A horticultural show will be held March 10 on the grounds of the former governor-general's summer palace. Solid cash prizes are to be distributed.

Extra Fancy Carnation Blooms

Shipped direct to all points. Special attention to telegraph orders. Give us a trial and be convinced.

J. D. THOMPSON CARNATION CO., Joliet, Ill.

CLEAN and Well Rooted Carnation Cuttings

	100	1000
White Perfection	$3 00	$25 00
Enchantress	2 00	15 00
Rose Pink Enchantress	3 00	25 00
Pink Lawson	1 75	15 00
Robt. Craig	3 00	25 00
Harlowarden	1 75	15 00
Vesper	2 00	15 00
Marion	1 75	15 00
Prosperity	1 75	15 00
Patten	1 75	15 00
Lady Bountiful	3 00	25 00

MIAMI FLORAL CO., Dayton, Ohio.

QUEEN $10.00 per 1000.

White Enchantress, $5.00 per 100.
Strong, well Rooted Cuttings.

PHILIP SCHUPP,
37 Randolph St., CHICAGO.

New Orleans.

The carnival season is now in full blast, and the city is full of strangers from all parts of the country taking in the sights, enjoying the delightful spring weather and admiring the beautiful gardens in full bloom all over the city. The florists are all now doing a rushing business, both in the cut flower line and decorative work, with the prospect that it will keep up during the best part of Lent. Outdoor plants are now beginning to bloom and the gardens and parks are one mass of flowers.

NOTES.

The Horticultural Association met February 20 with Chas. Eble, president; Paul Abele, acting secretary, and several members present. Owing to the necessity of a large attendance to discuss the plans for the chrysanthemum exhibition, this matter went over to be taken up at a special meeting to be held in March.

Richard Eichling, grower for Uriah Virgin, exhibited splendid specimens of Roman and Italian hyacinths and narcissus, lily of the valley and magnificent callas.

J. A. Newsham showed very fine and extra large specimens of callas. Paul Abele, for Abele Bros., exhibited sweet peas grown in the open in winter. Newsham stated that he purposes to leave for Central America in a few days, and that he will pay special attention to orchids.

J. Lapouyade, J. H. Menard, Abele Bros. and Geo. Thomas are now doing a good business in plants at the markets.

B. M. Wichers & Co. are now growing Nephrolepis Whitmani in large quantities for their increasing trade.

P. Terrade has added a greenhouse, 25x75, to his other house.

D.

LOS ANGELES, CAL.—The Southern California Horticultural Association has been incorporated under the title of the Southern California Horticultural Society, with 10,000 shares of $5 each, which have been freely taken by the members, one to five each.

DALHART, TEX.—The Dalhart Agricultural Co., has been incorporated, with capital stock $10,000 to encourage agriculture and horticulture through the maintenance of fairs and exhibitions. The incorporators are J. S. Bailey, R. C. Balaam, R. S. Coon, W. D. Wagner and Geo. F. Atkinson.

"THE TEST is what TELLS THE STORY."

When growers who buy by the 100 the first season order thousands the next—IT MEANS MERIT.

BEACON CARNATION

occupies this enviable position; as an all winter blooming scarlet IT HAS NO EQUAL.

Strong, vigorous, healthy cuttings, ready now, Per 100, $6.00; per 1000, $50 00.

Winsor.....Per 100, $6.00; per 1000, $50.00
White Perfection.. " " 4.00; " " 35.00
Rose Enchantress..Per 100, $4.00; per 1000, $35 00
Enchantress ..... " " 3.00; " " 25.00

Send Money Orders on Norwood, Mass.

PETER FISHER, Ellis, Mass.

STRONG, WELL ROOTED

Carnation Cuttings.

I have 50,000 Enchantress, 25,000 Mrs. T. W. Lawson, and 20,000 Boston Market, ready for immediate delivery, in as choice a lot of cuttings as has ever been offered, and AT PRICES THAT WILL INTEREST YOU.

Let me quote you prices on the above; also on good, strong stock of the following varieties: White Enchantress, Beacon, Winsor, Aristocrat, Rose Pink Enchantress, Victory, Lady Bountiful, Mrs. M. A. Patten, White, Red and Variegated Lawson, and Harlowarden. SATISFACTION GUARANTEED.

A. F. LONGREN, Des Plaines, Ill.

CARNATION CUTTINGS. Well Rooted. Ready Now.

SPECIAL PRICES

To clean out benches while this lot lasts.

	Per 1000	Per 100
Enchantress	$15 00	$2 00
Lawson	10 00	1 50
J. E. Haines	15 00	2 00
Pink Imperial	$30 00	$3 50
Pink Patten	15 00	2 00
White Perfection	25 00	3 00
Winsor	50 00	6 00

ALBERT M. HERR, Lancaster, Pa.

FINE HEALTHY BENCH PLANTS

AMERICAN BEAUTY, RICHMONDS,

$6.00 per 100; $50.00 per 1000.

J. A. BUDLONG, 37-39 Randolph St., ...CHICAGO.

CARNATIONS—Rooted Cuttings. Immediate Delivery.

	Per 100	1000
Winsor	$6.00	$50.00
Aristocrat	6.00	50.00
Victory	3.00	25.00
Enchantress	2.00	20.00
Lawson (pink)	1 75	15.00
Lawson, (white)	2.00	18.00

STEVIA, R. C., $1.00 per 100.

Or will exchange the above for Montmort, Perkins, Poitevine or Viaud Geraniums.

Satisfaction guaranteed. **E. T. WANZER, Wheaton, Ill.**

CARNATIONS ROOTED CUTTINGS.

Aristocrat	Per 100, $ 5 00	Enchantress	Per 100, $ 2 00
Winsor	" 5 00	Lady Bountiful	" 2 00
Perfection (White)	" 2 75	Victory	" 2 75

Rose Pink Enchantress, $2.75 per 100.

SALVIA ZURICH. The Ever-blooming Salvia. Rooted cuttings, $1.75 per 100; 2-in. $3.00 per 100.
The Salvia Zurich was first introduced by us.

PERENNIAL GARDENS CO., Toledo, Ohio.

4-in. Pot Roses

Strongly rooted. All soil may be removed for safe shipment at light weight.

$1.00 per doz.; **$8.00** per 100; **$75.00** per 1000.

Diesbach, Bonstetten, Ball of Snow, Lyonnaise, Jubilee, Masson, Pantier, Laing, Neyron, P. C. De Rohan, Lambelin, Caprice, Baby, Cr., P., W. & Y. Ramblers: Balto. Belle, P. Queen, Tenn. Belle, Russell's Cottage, Seven Sisters, Dor. Perkins, Lady Gay, Climbing Soupert, Clo. Soupert, Hermosa, A. Rivoire, B. Brown, Balduin, Kaiserin, Chatenay, Gambier, Meteor, Richmond, Carnot, Wellesley, P., R., Str. & W. La France, Teplitz, Emp. of China, Bride, Maid, Brabant, Ivory, Kruger, M. Guillot, M. Van Houtte, Rainbow, Safrano, P. & W. Cochets. M. Washington, R. M. Henriette, Q. Scarlet.

$1.25 per doz.; **$9.00** per 100; **$85.00** per 1000.

Alpes, Dinsmore, Levet, Jacq., Giant of Battles J. Hopper, Perle, Sunrise, Sunset.

$1.50 doz., **$10.00** per 100; **$90.00** per 1000.

Am. Beauty, M. Dickson, Mrs. R. G. S. Crawford, Moss, Killarney, Wootton, Peary, Et. de Lyon, Yel. Cochet.

$2.00 per doz.; **$15.00** per 100.

Druschki, Am. Beauty, Marechal Niel.

400 Best Sorts in 2½-in. Pots; Own Roots; Summer Grown.

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO

YOUNG ROSES

Propagated from wood taken in the field.

Send for price-list today.

California Rose Co.

Pomona, Cal.

NEW NEW

RAMBLER ROSE

"NEWPORT FAIRY"

To be disseminated Spring 1908. Ask for illustrated pamphlet and prices.

JULIUS ROEHRS CO., Rutherford, N. J.

Denver.

TRADE FAIR.

Trade has been fairly good but not so good as last year. St. Valentine's Day business was very fine showing an increase of 30 per cent over the previous year. Stock now coming in is of very good quality, especially bulbous material. American Beauty roses are in very short supply; in fact roses of all kinds are very scarce and it is impossible to get enough to fill orders. Carnations, however, are very plentiful and good. Funeral business has been very brisk during the past month, quite a number of prominent people having passed away. There has been very little going on in the way of decorations or entertaining so far this season.

NOTES.

J. A. Valentine is in the east looking over some new stock and investigating building materials, as he expects to build several new houses the coming season.

The Alpha Floral Co. has been incorporated with a capital of $5,000. The incorporators are E. S. Kennedy, L. O. Brown and W. S. McClain.

The Park Floral Co. now has two growing establishments and three retail stores in this city. PLATTE.

Grafted Roses

FOR FORCING.

Bride, Kaiserin, Richmond,
Bridesmaid, Killarney, Wellesley,

$12.00 per 100; $100.00 per 1000.

JACKSON & PERKINS COMPANY

WHOLESALE FLORISTS AND NURSERYMEN,

Newark, Wayne County, **New York.**

TAUSENDSCHON.

or in English, **THOUSAND BEAUTIES,** is the sensational new Climbing Rose of the year. Every florist should have it. Is not excelled for forcing purposes and for general planting by any Climbing Rose now known, **not even barring Crimson Rambler.** This is the coming forcing Rose. Get your stock early. It is beautifully illustrated in ten colors and gold in **Our New Guide to Rose Culture,** for 1908 the Leading Rose Catalogue of America. Copy **free** for the asking.

Strong plants of Tausendschon from 3-in. pots, 10 for $1.50; $12.00 per 100; $100.00 per 1000.

Single Hyacinths, all the leading named varieties King of the Blues, Czar Peter, Norma, etc. $3.00 per 100.

Single Hyacinths, all colors mixed, $2.00 per 100.

Double Named Hyancinths, Goethe, Lord Raglan, Pure d'Or, Blolksbergeb, etc., $3.00 per 100.

Crocus, Named Varieties, $3.00 per 1000; Mixed Yellow, Mixed Purple and Blue, $2.50 per 1000.

Dahlias, all the leading varieties $45.00 to $50.00 per 1000. Send for list.

Cannas, all the leading varieties $10.00 per 1000 and upwards. Ask for list.

Rex Begonias, largest and cleanest stock in the country. $5.00 per 100; $45.00 per 1000

The Dingee & Conard Co., West Grove Pa.

Mrs. Potter Palmer

2½-in., $15.00 per 100; $125.00 per 1000; 3½-in., $150.00 per 1000.

	R. C. per 1000	2½-in. per 100	2½-in. per 1000	3½-in. per 1000
American Beauties	$27.50	$6.50	$60.00	$80 00
Maids, Brides	18.50	4.50	40.00	60.00
Uncle John	18.50	4.50	40.00	60.00
Richmond	18.50	4.50	40.00	60.00

Cardinal

2½-in., $15.00 per 100; $125.00 per 1000; 3½-in., $150.00 per 1000.

	R. C. per 1000	2½-in. per 100	2½-in. per 1000	3½-in. per 1000
Chatenay	18.50	4.50	40.00	60.00
Perles		5.00	45.00	65.00
Sunrise		5.00	45.00	
Killarney	35.00	6.00	55 00	75.00
Kaiserin	18.50	4.50	40.00	60.00

CARNATIONS.

	Rooted Cuttings per 100	2½-inch per 1000	per 1000
White Lawson	$2.00	$20.00	$35.00
Pink Lawson	2 00	20.00	35.00
Variegated Lawson	2.20	20.00	35.00
Red Lawson	2 00	18.00	32.00
Victory	3 00	25.00	40.00
Beacon	5.00	45.00	60.00
Welcome	5.00		
Winsor	5.00	45 00	60.00

In Season—	2½-in. Per 100	per 1000	3-in. per 1000
Smilax	$2 50	$22.00	$35.00
Asparagus Sprengeri	3.00	25.00	35.00

	Rooted Cuttings per 100	2½-inch per 1000	per 1000
Rose Pink Enchantress	3.00	25.00	40.00
Enchantress	3.00	25 00	40.00
White Enchantress	5 00	45.00	60.00
Aristocrat	5.00	45.00	60.00
White Perfection	4.00	35.00	50.00

We have an exceptionally large stock of the Lawsons, Victory, Winsor and Beacon.

Asparagus Plumosus, 6-in. stock for benching $15.00 per 100; $125.00 per 1000.

Chrysanthemums in season.

Price list mailed on application.

POEHLMANN BROS. CO., Morton Grove, Ill.

New "MY MARYLAND" Rose

"My Maryland" Has More Good Commercial Points Than Any Other Rose.

PRICE: 2½-inch pots, $25.00 per 100; $200.00 per 1000; $5.00 per dozen.

JOHN COOK, 318 N. Charles St., Baltimore, Md.

LEXINGTON, MASS.—Miss Garfield has started the sale of flowers at the late tea room of the Massachusetts Society of Arts and Crafts, this enterprise being continued under another management.

NEW YORK.—Geo. Tellman, a Greek, pleaded guilty to the charge of manslaughter in the first degree for killing Mrs. Wiedeman, with whom he boarded, January 7, 1907.

Orchids

The largest importation of Orchids ever received in this country will arrive next spring from Brazil, Venezuela and Colombia. If you intend putting in a stock wait for these to arrive and we will quote you the lowest prices in America.

ORDONEZ BROS.

Madison, N. J.

ORCHIDS.

Arrived in superb condition: C. Trianæ, C. Mossiæ, C. labiata, C. Schroederæ, C. speciosissima, C. citrina, C. intermedia, C. Gaskelliana, Laelia anceps, L. albida, L. majalis, L. autumnalis, Oncidium crispum, O. varicosum, O. Cavendishianum, O. luridum, Epidendrum vitellinum majus, E. Cooperianum, Odonto. citrosmum. To arrive in a few weeks time: C. aurea, C. Dowiana, C. Warneri, Miltonia vexillaria.

CARRILLO & BALDWIN, Secaucus, N. J.

Orchid Importations

[redacted] **Write for Prices**

FOR 1908 DELIVERY.

JULIUS ROEHRS COMPANY.

The Orchid Nurseries. RUTHERFORD, N. J.

Orchids!

Orders booked now for delivery 1908 of all the leading kinds of Orchids at greatly reduced prices. We have also just received the following: Oncidium tigrinum, O. sarcodes, O. Forbesii, Sophronitis grandiflora and coccinea. Write us.

Lager & Hurrell, Summit, N. J

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World.

SANDER, St. Albans, England.

NEW YORK OFFICE: Room 1, 235 Broadway. T. MELLSTROM Agent.

Alternantheras.

Strong rooted cuttings, red and yellow, 50c per 100, or $4.00 per 1000. **Brilliantissima** 60c per 100, or $5.00 per 1000.

DAVIS BROS., Morrison, Ill.

Minneapolis.

STOCK PLENTIFUL.

The Junior ball, February 28, furnished the greatest demand during the past week for flowers. Violets were the favorite, great bunches combined with orchids, roses and lily of the valley being used extensively; sweet peas and roses came next, pink roses were used in abundance. Stock in general is plentiful, and prices are going down. Bulb stock is flooding the market, tulips, etc., selling for $2 and $2.50 per 100.

NOTES.

L. L. May & Co., St. Paul, Minn., invited the Twin City Florists Club to visit their greenhouses at Mayfield February 25, and an interesting afternoon was spent looking over the stock.

E. Nagel called a committee meeting at his greenhouses February 28, to draw up a premium list for the state fair next year, this list to be submitted to the State Horticultural Society. M.

Dracena Indivisa,	4-in....	$ 2.00	per doz.
"	"	5-in.... 3.00	"
"	"	6-in.... 6.00	"
"	"	7-in.... 9.00	"
"	"	8-in.... 12.00	"

DAHLIAS

are becoming more and more popular every season for cut flowers, and every florist should plant liberally of these plants in the spring. By ordering now plants can be propagated in greenhouse.

Single Dahlias.

	Clumps Per 100	doz.
J. Cowan, fine scarlet	$ 6 00	1 00
Fashion, crimson maroon	6 00	1 00
Jno. Downie, crimson	6 00	1 00
Sunningdale, blush white	6 00	1 00
Lustre, cheerful rosy pink, shading to blush at centre	6 00	1 00

Cactus Dahlias.

	Clumps Per 100	doz.
Mrs. A. Beck, twisted petals, rich salmon red with scarlet reflex	$ 6 00	$ 1 00
Prof. Baldwin, cardinal red	6 00	1 00
Countess of Lonsdale, a peculiar but pleasing blending of salmon, pink and amber a color difficult to describe	10 00	1 50
Kriemhelde, pink shading to white at center	10 00	1 50
F. Bartels bright scarlet	10 00	1 50
Miss A. Nightingale bright red shading to golden yellow at center	10 00	1 50

Show Dahlias.

	Clumps Per 100	doz.
A. D. Livoni, a pure quilled pink	$10 00	$ 1 50
Camilla Alba, pure white dwarf and bushy	10 00	1 50
One lot of good varieties of all kinds mixed	3 00	50
One lot mixed yellow	00	50

Decorative Dahlias.

	Clumps Per 100	doz.
Oban, rosy lavender	$10 00	$ 1 50
Iridescent, vivid red tipped with blue	10 00	1 50
Sylvia, pink white to center	10 00	1 50
Lancelot, bright scarlet	6 00	1 00
Mrs. Geo. Reed, purple with white tint	6 00	1 00

The Geo. Wittbold Co., 1657 Buckingham Place, Chicago.

Gladiolus

STRICTLY FIRST SIZE BULBS.

	Per 100	1000
Princeps, medium	$9 00	$
Mrs. Francis King, best scarlet for florists' use	4 00	30 00
America, fine pink	7 50	60 00
Augusta, pure white, blue anthers	2 00	17 00
Brenchleyensis, intense scarlet	1 45	12 00
Ceres, pure white, spotted purplish rose	1 45	12 50
Madam Moneret, delicate rose color	1 75	15 00
May, pure white, flaked rosy crimson	1 75	15 00
"1900," a very rich shade of red	2 50	
Shakespeare, pure white, blotched pink and violet	4 25	38 00
Florist Mixture, made from named light and white varieties; comprises best there is in Gladiolus	1 75	15 00

VAUGHAN'S SEED STORE

CHICAGO. NEW YORK.

CANNAS

Austria, Allemania, Alsace, Bouvier, Capt. Drugeon, C. Henderson, J. D Eisele, Florence Vaughan Kate Gray, Pres. Viger, Pennsylvania, Pres Meyer, Souv. de Ant. Crozy, $2.50 per 100; $20.00 per 1000. David Harum, $4.00 per 100; $35.00 per 1000. Egandale (3-in. pots only), $5.00 per 100 King Humbert, the king of all Cannas an extra large stock from strong 4-in. pots, $25.00 per 100.

Boston Ferns, Scottii, Elegantissima and Whitmanii, we have many thousand to offer from 2¼- to 4-in. at rock bottom prices. Can offer special bargains in R. C. **Beacon Carnations.** Write us for special prices.

W. W. COLES, Kokomo, Ind.

ROOTED CUTTINGS. Prepaid per 100. Heliotrope German Ivy, 75c; Alternanthera 50c; Coleus, Ageratum, 60c; Salvia, 85c. Giant Marguerite Daisy, yellow. Fuchsia, $1.00. Seedling **Verbena,** Mammoth mixed 35c per 100, prepaid. Cash. List Free.

SHIPPENSBURG FLORAL CO. Shippensburg, Pa.

DAHLIAS

J. CHEAL & SONS,

Hybridizers and Growers of all classes of Dahlias.

The Nurseries, CRAWLEY, ENGLAND.

Full descriptive and illustrated catalogue containing all novelties free.

Dry Roots Specially Prepared for Export.

All growers should send for

CHEAL'S CELEBRATED

NEW DAHLIAS

NEW PLANTS

GLADIOLUS Lemoinei and Nancianus.

V. LEMOINE & SON, Nancy, France.

Catalogues on application.

Gladioli....

Write for 1908 trade list of Named Varieties, Color Sections and Choice Mixtures. First-class stock at reasonable prices:

E. E. STEWART, RIVES JUNCTION, MICH.

Easter Plants

Enter your order with us now for the following stock: Lilies, Spireas, Azaleas, Crimson Rambler Roses, Baby Rambler Roses, La France and Madam Souperts, as well as for Bulb stock, such as Hyacinths, Paper Whites, Daffodils, etc.

Write us your wants.

SPECIAL.

To make room this week, we offer a fine lot of 3-in. pots of Petunias in four best varieties at $4.00 per 100; 2 by 2½-in. stock at $2.50 per 100. We can also give you most anything else in soft-wooded plants that you may want. Our stock of Geraniums, in Red, Pink, White and Salmon colors, have a fine lot in 2½-, 3- and 4-in. pots. Write us your wants.

GEO. A. KUHL,

Wholesale Grower for the Trade.

PEKIN, ILLINOIS.

A FEW GOOD THINGS YOU WANT.

Asparagus Sprengerl. 2-in., $2.50 per 100; 3-in., $5.00 per 100. Seedlings, $1.00 per 100,
Geraniums, S. A. Nutt, John Doyle, Perkins, Ricard, Double Gen. Grant, 2-in. pots, $2.50 per 100; Rooted Cuttings, $1.25 per 100. E. H. Trego, Castellane, Poitevine, Viaud, 2-in. pots, $3.00 per 100; rooted cuttings, $1.50 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100; 3-in., $5.00 per 100.
Boston Ferns, 5-in., 30c each.
Vinca Var., 2-inch, $2.00 per 100.
Dracena Indivisa, 2-in. $3.00 per 100.
Gladiolus Bulbs, light colors, $1.00 per 100.
Rex Begonia, $5.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the Express Companies properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

GERANIUMS

ROOTED CUTTINGS.

All engaged until late March or early April, will have a big lot then. Send for list and place order if wanted then.

ALBERT M. HERR, Lancaster, Pa.

6,000 Geraniums Left.

2-inch.....$15.00 per 1000
2½-inch..... 18.00 per 1000

SCHMAUS BROS., Paducah, Ky.

APPLE GERANIUMS...

Strong 2½-in. $4.00 per 100.

TUBEROSES, double Pearl, 1st size, $6.00 per 1000 2nd size, $3.00 per 1000

Cash with order.

BAKER BROS. CO., Ft. Worth, Texas.

Southampton, N. Y.

The second bi-monthly meeting of the Horticultural Society was held February 20, President Clark in the chair. There were four members elected, making a membership of about 100. It was decided to hold a show sometime in August on the art gallery grounds as these have been generously donated, with a tent, for the purpose. The subject of the evening, "Planting Trees and Shrubs," was very ably handled by Treasurer J. King. This led to a very interesting discussion until the meeting adjourned, to meet again March 5, subject "Vegetables and How to Grow Them" by J. Griffin. U. G. A.

PELARGONIUMS.

We have a fine lot of good strong plants in 3 in. pots at $1.50 per doz., $6.50 per 100, such varieties as Purity, Gloriosa Countess of Crew, Tommy Dodd, Duke of Cornwall, Lady Carrington and others.

GERANIUMS.

A splendid stock of fine plants from 2-in. pots, good standard sorts and new varieties at $2.00 per 100 and up to $1.00 each. We will send 1000 in 20 good varieties our selection for $18 50. Our Special descriptive Geranium catalogue describing over 250 varieties of Geraniums and Pelargoniums mailed free to the trade.

HARDY CHRYSANTHEMUMS

Our collection of Hardy Chrysanthemums will compare favorably with any in the country, and we have an immense stock ready for shipment. Small flowered or Button varieties $2.00 per 100; large flowered or Aster type $3.00 per 100. Descriptions will be found in our wholesale list.

DAHLIA ROOTS.

We can still offer about 75 varieties in Cactus, Decorative, Show and Pompon true to name at $5.00 per 100 and up for whole field grown clumps. One thousand, 50 each of 20 varieties, our selection, for $40.00 all good kinds a splendid collection for planting or just the thing for store trade.

	Per 100
Ivy Leaved Geraniums, 6 good kinds	$25.00 per 1000 ..... $3.00
Hardy Chrysanthemums, 75 varieties.....	$2.00 to 3.00
Alyssum, Giant double.....	2.00
Cuphea, Cigar plant.....	2.00
Coleus, Verschaffeltii, Golden Bedder, and other kinds.....	2.00
Fuchsias, Black Prince and Minnesota... Lieutenant Muritz, White and Rose Phenomenal.....	2.00 2.50
Hardy English Ivy, extra strong.....	$15.00 per 1000 2.00

	Per 100
Hollyhocks, strong 3-in. pot plants, dbl. white, pink, red and yellow.....	$3.00
Lantanas, 5 varieties.....	2.00
Lobelia, Crystal Palace Gem.....	2.00
Panicum, Variegated, handsome basket plants.....	2.00
Tradescantia, dark variegated.....	2.00
Verbena, red, white purple and pink.....	2.00
Caladium Esculentum, first size.....	2.00
Second size.....	1.00
Lavender, 2½-in. pots, strong.....	3.00
Swainsona alba.....	2.00

Visitors always welcome.

Cash with order.

R. Vincent, Jr. & Sons Co., WHITE MARSH, Balto Co., MD.

CHRYSANTHEMUMS.

Monrovia, October Sunshine, F. A. Cobbold, Mrs. T. W. Pockett, Col. Appleton, Nellie Pockett, Cheltoni, Lady Hopetoun, White Coombes, Ben Wells and others now ready at $3.00 per 100, $25.00 per 1000; 2¼-in. pots.

If your stock is run down try some of mine and see the difference next fall. Lots of the new singles now ready.

You got my 'mum list, of course?

CHARLES H. TOTTY, Madison, N. J.

SHAMROCKS.

Irish: The Real Thing: Green. Very fine and strong plants, ready now for delivery; perfect beauties. Per 100, $3.00; per 1000, $25.00. 50c per dozen, postpaid. Extras added.

THE HOME OF PRIMROSES.

JOHN F. RUPP, Shiremanstown, Pa.

Express Prepaid on all Rooted Cuttings and satisfaction guaranteed.

Salvias Bonfire, St. Louis...$1.00 per 100, $8.00 per 1000
Lantanas, 8 of the finest varieties, $1.25 per 100; $10. per 1000.
Coleus a grand collection (named) 70c per 100; $6.00 per 1000.
Heliotrope, 10 best varieties... $1.00 per 100; $8.00 per 1000.
Daisies, California (White) Yellow Castle (Yellow), the finest of all daisies. $1.00 per 100; $8.00 per 1000.
Petunias, Dreer's and Henderson's .... $1.25 per 100; $10.00 per 1000.
Alternantheras, red, yellow and Brilliantissima from soil, Sept. struck..70c per 100; $6.00 per 1000
Feverfew,....$1 25 per 100; $10.00 per 1000.
Vincas Variegated, $1.25 per 100; $10.00 per 1000.

C. HUMFELD, Clay Center, Kas.

CHRYSANTHEMUMS

OUR SPECIALTY.

All leading varieties: Commercial Exhibition, Decorative. Let us quote you prices.

ELMER D. SMITH & CO.,

Successors to Nathan Smith & Son,

ADRIAN, MICH.

SALVIA ZURICH.

The Ever-Blooming Salvia.

Propagation from carefully selected stock; absolutely true and of even type. 2-in. $1.00 for 25, $3.00 for 100; $25.00 for 1000. Rooted cuttings $1.75 for 100; $15.00 per 1000.

J. L. Schiller, 929 Prouty Avenue TOLEDO, O.

The Grand New Double Geranium

"FENICAL"

Since I am willing to introduce this new and excellent variety to the public, I am sure it will bring joy, gladness and satisfaction to all who are willing to take hold of it.

IN SIZE IT IS THE LARGEST ON RECORD,

Clusters measuring from three to five and one-half inches in diameter.

BORNE ON LONG STEMS, FROM SIX TO FOURTEEN INCHES LONG. **Color, Bright Sage, stands the weather, foliage is fine, making a nice, bushy, shapely plant.** Plants bear from one to seven clusters at a time. It has become A STANDARD VARIETY. IT HAS BEEN TESTED FOR SEVEN YEARS TO ASSURE ITS QUALITY before being placed on the market.

A large sum has been refused for the sole right of this plant.
Try a lot of them and be convinced.
If you wish something good, now is your chance.
I must sell owing to the crowded condition of my greenhouses.

All plants will be delivered strictly in rotation.

PRICES ARE AS FOLLOWS:

Fine 2½-inch plants.....$2.00 per doz.
Fine 3½-inch plants..... 2.75 per doz.
Fine 5-inch plants..... 3.50 per doz.

Kindly remit with order.

LINUS FENICAL, 448 Spruce Street, MIDDLETOWN, PA., Dauphin County.

Cinerarias

3, 4, 5 and 6 inch pots, 80c, $1.75, $3.00 and $4.75 per doz:

Write for prices on **BEDDING PLANTS.**

Please send cash with order.

CHAS. SHERWOOD,
WATERLOO, IA.

HUTCHINSON, KANS.—N. T. Barrett, the vegetable grower, has just finished one house 48x200 feet, for radishes and lettuce, a part of which is devoted to carnations, making 15,000 square feet in his plant, which is the largest here. He will add more glass the coming season.

DUBUQUE, IA.—Union park has been greatly improved of late and many other improvements are in prospect for the summer. L. D. Mathias, general manager of the company who is running the park, said recently: "One of the aims of the company has been to make Union park so beautiful that it will be one of the attractions of the city, one which people coming here will want to see. We are planning to have beautiful floral designs throughout the park, beautiful flowers and shrubbery that will be one of the sights of the city. During the winter we have built a large greenhouse and are raising plants so that when the time comes we can put out our own plants, and if the first that we set out are killed by a frost, we will have other bulbs and seeds to put in their places."

Stock YOU NEED NOW.

Cannas. We have a large list of standard varieties, including Chas. Henderson, Crimson Bedder, Beaute Poitevine, Florence Vaughan, Queen Charlotte, Souv. de Antoine Crozy, etc.; strong two-eye divisions.....$3.00 per 100; $25.00 per 1000

Dahlias. (Field-grown roots.) Wm. Agnew, Countess of Lonsdale, Nymphæa, Mrs. Wellesley, Admiral Dewey, A. D. Livoni and Fern Leaf Beauty.....$5.00 per 100
Grand Duke Alexis and Kriemhilde..... 7.00 per 100

Marguerites. Queen Alexandra.$3.00 per 100
Coronation..... 3.00 per 100

Boston Ferns. Plants well established, in 2½-inch pots. $4.00 per 100; $30.00 per 1000.

Small Ferns. For Dishes.
.....$2 50 per 100

Asparagus Plumosus Nanus.
2½-inch pots. $3.00 per 100; $25.00 per 1000.

GERANIUMS. Per 100
A. H. Trego, John Doyle, S. A. Nutt, Berthe de Pressily, Mme. Barney.....$2 50
Our choice of varieties, in pink, red and white 2.00

BEGONIAS.
Marjorie Daw, Thurstoni, Metallica, Rubra and Argentea Guttata..... 4.00
Tuberous Rooted, Single, in named colors, white, pink, scarlet, crimson and yellow....$3.00
Mixed..... 2.50
Tuberous Rooted, Double, in named colors, white, pink, scarlet, crimson and yellow.... 5.00
Mixed..... 4 00

Bougainvillea Glabra Sanderiana.
2½-inch, $4.00 per 100; 4-inch, ready to bloom.....$20.00 per 1000

Boxwood. Pyramids, 36 inches high,
.....$1.75 each

Boxwood. Bush form, very heavy, 30 to 36 inches high.....$2.00 each

Rhododendrons. Short, well formed plants for pots, full of buds,
18-inch size.....$ 9 00 per dozen
24-inch size..... 12.00 per dozen

Azalea Mollis Bushy plants, full of buds and easy to force,
12 to 15 inches high.....$25.00 per 100
15 to 18 inches high..... 35.00 per 100

Kentia Palms in all sizes.

Latania Borbonica. 7-inch pot plants, 5 to 6 leaves, 18 to 20 inches high, 75c each; 8-inch pot plants, 6 to 7 leaves, 20 to 22 inches high.....$1.25 each

THE STORRS & HARRISON CO., Painesville, Ohio

PANSY PLANTS.

	Per 1000	100
Giant Flowering	$ 2.50	.50
Alternantheras, Red and Yel. Apl. 10.		2.00
Coleus, 2¼-in pots, 10 varieties		2,00
Canna, C. Henderson, and eight other varieties dry bulbs		2.00
Vinca, Variegated, 2¼-in. pots		2 50
Verbenas, April 15th		2,00

GERANIUMS.

	Per 1000	100
10 varieties 2½-in. pots	$25.00	3.00
10 varieties 3-in. pots, Apl. 1		4.00
Rose Geraniums,		2.00
Double Petunias, Apl. 1		3.00
Asp. Plumosus, Apl. 1		2.00
Asp. Sprengeri, Apl. 1		2.00
Centaurea Gym. Apl. 15		2.00

—CASH—

JOS. H. CUNNINGHAM, Delaware, O.

Berkshire Petunia

A fine, free flowering fringed pink double Petunia. Flowers measuring 3 inches across: a most valuable acquisition, with no "fancy" price attached.

ROOTED CUTTINGS,
$2.50 per 100; $20.00 per 1000: 500 at 1000 rates.

Stock grown at and sent from Pittsfield, Mass.

S. S. SKIDELSKY
1731 N. 18th St., Philadelphia, Pa.

Sprengeri, 2-in. 2c **Swainsona alba,** 2-in., 2c. **Ferns,** Piersoni, Elegantissima, 2-in. 3c.

Rooted Cuttings prepaid per 100: **Flowering Begonias,** $1.25 per 100; **Paris Daisies,** yellow and white, $1.00 per 100: Alexandra $1.25. **Petunia,** double, 10 kinds $1.00: **Swainsona Alba,** $1.00. **Cuphea,** 75c. **Heliotrope,** 3 kinds $1.00. **Fuchsia,** 5 kinds, $1.25. **Vinca Variegata,** 90c. **Hardy Pinks,** 5 kinds, 75c. **Alternanthera,** 3 kinds, 50c. **Coleus,** 10 kinds, **Ageratum,** Gurney, Pauline, White, Inimitable, 60c. **Alyssum,** dbl. 75c **Salvia,** Bonfire, Splendens, 90c. **Feverfew,** Gem, $1.00. **Parlor Ivy,** 75c.

Cabbage Plants, Wakefield, Express, Winningstadt, 50c per 1000.

Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

Neph. Whitmani

2¼-inch......................$ 5.00 per 100
3½-inch...................... 25.00 per 100

Boston Ferns 2¼-inch, $3.00 per 100.

Henry H. Barrows & Son, WHITMAN, MASS.

ARAUCARIAS.

Nice plants from 5-in. pots, 4 to 5 tiers

60c each. $5.50 per dozen.

The Conard & Jones Co. WEST GROVE, PA.

Nephrolepis Amerpohlii

For immediate delivery. Good strong plants from 2½-in. pots, $15.00 per 100.

JANESVILLE FLORAL CO.,
JANESVILLE, WIS.

Vancouver, B. C.

Trade here has been very good of late, but we would be a good deal better off here if retailers would combine a little to prevent the cutting of prices and have something like a uniform standard. Much better prices could have been realised for bulb stock and carnations than have been prevailing here. Landscape work is very active, lots of estates and property changing hands, but there is considerable difficulty in obtaining good nursery stock, partly owing to the stringent regulations regarding inspection. Dutch bulbs have now to be inspected and the worst of it is that the inspection is carried on in many cases by inexperienced cranks who condemn half the goods as well as charge 5 per cent for inspection, and the florist or nurseryman is helpless. This is simply killing one of the best industries. H. C.

TACOMA, WASH.—The construction of the Seymour conservatory, to be erected in Wright park, was commenced February 18, by the breaking of the sod. It is expected that the erection of the $10,000 structure, made possible by W. W. Seymour's donation of that amount, will now be pushed rapidly to completion.

PREPARE FOR EASTER

Araucarias, Azaleas and the Cultivation of Choice Easter Plants Our Specialties.

Never mind hard times. Look for a big Easter trade. Secure your supply early. All our houses are full to their utmost capacity with the choicest plants in **bud.** Just right for Easter—in fine condition; finer than ever before. With a little forcing they can be brought into bloom at any time, according to your requirements.

Araucarias Robusta Compacta and **Glauca,** a perfect marvel and wonder of nature. We are one of the heaviest importers and cultivators of this beautiful decorative plant. Our plants are about the same in height as in width.

Robusta Compacta, 7-in. pots, specimen plants, 6-year-old, 5 tiers, 27 to 30 in. high, $2.00 to $2.50 each.

Excelsa Glauca, specimen 7-in. pots, 6-year-old (the fine bluish-green color makes or gives this variety a fine, striking appearance—sells at sight), 30 to 40 in. high, 4, 5 and 6 tiers, $1.50, $1.75, $2.00, $2.50 to $3.00 each.

Araucaria Excelsa, 6-in. pots, 4 to 5 years old, 20 to 25 in. high, 4, 5 and 6 tiers, 75c to $1.00 each; 5¼-in. pots, 3 years old, 3 to 4 tiers, 7, 8, 10 to 14 in. high, 40c to 50c each.

Azalea Indica. We make a specialty of importing every year an immense stock of the choicest varieties popular in America, grown under contract for us by an Azalea specialist in Ghent, Belgium. If you need Azaleas, don't look around in vain all over the country for bargains, but come or write direct to us. We will be able to supply you with the best obtainable in the American market; full of buds; in good, healthy condition, right for Easter; all planted in October or November in 6 to 7 in. pots.

☞ **Take Notice.** We do not sell Azaleas in the fall, having the best picked out (and having the rubbish left for Easter), but we keep them all full of buds for our customers for Easter. Mme. Van der Cruyssen (2,500 of them), this is the best double pink variety known to the market, round as an apple, covered with buds; Simon Mardner (dbl. pink), Vervæneana (variegated dbl. rose), Bernard Andreas Alba (dbl. white), Niobe (dbl. white), Deutsche Perle (dbl. white), Empress of India (dbl. variegated), Professor Wolters, and about six more varieties. Price: 6-7-in. pots, 60c, 75c, $1.00, $1.25, $1.50, $1.75 to $2.00 each.

Kentia Belmoreana and **Forsteriana,** Belgium and home-grown stock, 4-in. pots, 18 to 20 in. high, 35c: 5¼, 5½ and 6 in. pots, bushy plants, 50c, 60c and 75c each.

Latania Borbonica, 5-in., 30c.

Asparagus Plumosus Nanus Compacta, 4-in. pots, $10.00 per 100.

Dracena Bruanti, from Belgium, full of green foliage from bottom to top, 6-in. pots, 22 to 25 in. high, 40c each

Cineraria Hyb., 4-in., 10c; 5-in., 20c; 6-in., $3.00, $4 00 to $5.00 per doz.

Choice Nephrolepis, all pot-grown.

Boston Ferns, 8-in., as big as a washtub, $1.25 to $1,50 each; 7-in., $1.00; 6-in., 50c; 5 to 5½-in., 35c to 40c.

Whitmani Ferns, 8-in., $1.50; 6-in., 50c.

Scottii Ferns, 7-in., $1.00 to $1.25; 6-in., 50c; 5½-in., 40c.

In Philadelphia there's a florist noted,
  Aschmann his name, his plants beyond compare;
To a sweet girl his heart is all devoted,
  Next rank his Araucarias, passing fair;
When seen together they're a pair so charming—
  Brimful of beauty—both he cannot keep;
So to his heart he'll hold his winsome darling,
  While you may have the Araucarias cheap.

Ficus Elastica or **Rubber Plant,** home grown and Belgium stock, 5, 5½, 6 and 7 in. pots, 30c, 35c, 50c, 60c and 75c each.

Begonia Improved Erfordii, 4-in. pots, very large, $2.00 per doz.; 5¼-in., in bloom and bud, 25c each, or $3.00 per doz. **Begonia Flambeau,** 5½-in. pots, sells on sight, 25c.

Cyclamen Grandiflora, 4-in., in bud and bloom, 20c.

Hydrangea Otaksa, 6 to 7 in pots, in bud, 35c, 50c, 75c and $1.00 each; right for Easter.

EASTER LILIES. Japan Multiflorum. of our own importation, raised from special 10-in. bulbs, 6-in. pots, right for Easter. This year I can say we have the finest lot we ever had. Have about 5,000 to offer. Please send your order in time this year, as we have such a big demand every year for Lilies that some cannot be supplied. Prices as usual. Plants above 5 buds, 10c; plants under 5 buds, 12c per bud. (Medium height).

Spirea Gladstone. 6 to 7-in. pots, large stock, right for Easter, in bud now, 50c to 75c.

Watch adv. for Hyacinths, Tulips and Daffodils later on.

Please mention if in or out of pots. All goods must travel at purchaser's risk. Cash with order, please

GODFREY ASCHMANN, 1012 West Ontario Street, **Philadelphia**

Importer, Wholesale Grower and Shipper of Pot Plants.

FERNS

2¼-inch Boston, extra strong	$ 3 00 per 100;	$ 25 00 per 1000
3 -inch Boston, extra strong	6 00 per 100;	55 00 per 1000
4 -inch Boston, extra strong	10 00 per 100;	95 00 per 1000
3 -inch Scottii and Elegantissima	8 00 per 100;	75 00 per 1000
4 -inch Scottii	12 50 per 100;	100 00 per 1000
2¼-inch Elegantissima	4 00 per 100;	35 00 per 1000
4 -inch Elegantissima	15 00 per 100	
6 -inch Boston and Piersoni	35 00 per 100	

2¼-inch Asparagus Plumosus	$3 00 per 100;	$25 00 per 1000
3 -inch Asparagus Plumosus	5 00 per 100;	45 00 per 1000
2¼-inch Asparagus Sprengeri	2 25 per 100;	20 00 per 1000
3 -inch Asparagus Sprengeri	5 00 per 100;	45 00 per 1000
4 -inch Asparagus Sprengeri	8 00 per 100;	75 00 per 1000

THE MOSBÆK GREENHOUSE CO., ONARGA, ILL.

Send Advts. Early for Best Service.

Boston Ferns.

Nephrolepis Exaltata Bostoniensis.

	Each.	Per doz.	Per 100.
2½ in. pot plants		$ 0.60	$ 5.00
3-in. pot plants		1.50	10.00
4-in. pot plants		2.50	20.00
5-in. pot plants	$ .40	4.00	30.00
6-in. pans plants	.75	6.00	50.00
7-in. pans plants	1.00	9.00	75.00
8-in. pans plants	1.50	15.00	.....
9-in. pans plants	$2.00 to $2.50	.....	.....
10-in. pans plants	3.00 to 3.50	.....	.....
12-in. pans plants	4.00 to 5.00	.....	.....

NEPHROLEPIS WHITMANI.

The Improved Elegantissima.

We have an immense stock of this beautiful fern in all sizes.

	Doz.	100.
2-in. pots	$ .60	$ 4.00
2½ in. pots	.75	5.00
3-in. pots	1.50	10.00
4-in. pots	2.50	20.00
5-in. pots	4.00	40.00
6-in. pots	6.00	50.00
7-in. pots	9.00	
8-in. pots, each	$1.50 to $2.00	

NEPHROLEPIS AMERPOHLII.

	Per doz.	Per 100.
2-in. pots	$ 2.50	$20.00
2½-in. pots	3.50	25.00
3-inch pots	4.00	30.00
4-inch pots	5.00	40.00

ASPARAGUS PLUMOSUS NANUS.

We Are Headquarters.

	Per 100.	1,000
2-in. pots, strong, ready for a shift	$ 3.00	$ 25.00
3-in. pots, strong, ready for a shift	7.00	65.00
4-in. pots, strong, ready for a shift	10.00	100.00
5-in. pots, strong, ready for a shift	20.00	175.00

	Per doz.
Areca Lutescens, 4-in., 3 plants in pot	$ 3.00
Kentias and Phoenix, in all sizes, send for list.	

	Per 100.
Dracaena Indivisa, 4-in. pots	$12.00
Dracaena Indivisa, 5-in. pots	20.00
Dracaena Indivisa, 6-in. pots	40.00
Latania Borbonica, strong seedlings from flats	2.00
Latania Borbonica, 3-in. pots	6.00

Dormant Roses

FOR EASTER FORCING.

2-year old Budded Roses, per doz., $2.00; per 100, $15.00.

American Beauty Kaiserin — Paul Neyron
La France — Soleil d'Or — Gruss an Teplitz
Frau K. Druschki and Hermosa.

The following kinds, 2-year old Budded, per doz., $1.50; per 100, $11.00:

Anna de Diesbach — Fisher Holmes — Magna Charta
Ball of Snow — Gen. Jack — M. P. Wilder
Capt. Christy — Mad. C. Testout — Mrs. J. Laing.
Ulrich Brunner and many other kinds.

	Per 100.
Crimson Rambler, 2-yr., home grown for Easter forcing	$15.00
Crimson Rambler, 2-yr., strong imported stock	12.00
Dorothy Perkins, 2-yr., home grown for Easter forcing	12.00
Lady Gay, 2-yr., budded stock	20.00
Philadelphia Rambler, 2-yr., home grown	12.00
Baby Ramblers, 2-yr., extra strong budded	20.00
White Baby Rambler, 2 1-2 in.	10.00
Red Kaiserin, 2-yr. dormant	25.00

CARNATIONS—ROOTED CUTTINGS.	Per 100.	Per 1,000.
Afterglow, 2-in. pots	$12.00	$100.00
Andrew Carnegie, 2-in. pots	12.00	100.00
Defiance	12.00	100.00
Sarah Hill, 2-in. pots	12.00	100.00
Winona, from sand	12.00	100.00
White Enchantress	6.00	55.00
White Perfection	3.50	30.00
Lady Bountiful, from soil	3.00	25.00
Beacon, ready March 15th	6.00	50.00
Red Chief, ready	5.00	40.00
Red Riding Hood, from soil	5.00	40.00
Victory, from soil	3.00	25.00
Robt. Craig	3.00	25.00
Aristocrat	6.00	50.00
Pink Patten, from soil	2.50	20.00
Mrs. T. W. Lawson	2.00	15.00
Winsor, 2-in. pots	6.00	50.00
Rose Pink Enchantress, from soil	4.00	30.00
Melody	3.00	25.00
Enchantress, from soil or sand	3.00	25.00
Mrs. Patten, from soil	2.50	20.00

Greenhouses and Nurseries: Western Springs, Ill.

VAUGHAN'S SEED STORE,

84-86 Randolph Street, CHICAGO
14 Barclay Street, NEW YORK.

Greenhouses and Nurseries: Western Springs, Ill.

NEW VIOLET BOSTON.

In introducing this new variety to the trade I wish to state that I have been growing it in quantity for the past two years and do not hesitate to state that it is entirely distinct, a strong grower, a free bloomer and the finest single violet in cultivation. Ready for distribution in April and May. Orders booked now. **$2.00** per doz.: **$12.00** per 100; **$100.00** per 1000. 500 at 1000 rates.

WILLIAM SIM, Cliftondale, Mass.

LARGEST STOCK OF ALL

Belgian Plants

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

LOUIS VAN HOUTTE, PERE,
GHENT, BELGIUM.

Toledo, O.

FLORISTS CLUB MEETING.

The special carnation meeting of the club brought out a good attendance. It was held in Peck's Summit street store. The exhibits were very scarce, in fact, it could hardly be called a carnation meeting. John Gratopp had some good flowers of Enchantress, Rose Pink Enchantress, Aristocrat and White Lawson on show. What we lacked on flowers was made up in carnation talk, a never-tiring subject with our growers. I believe they could talk it over every day, it would still be full of interest.

As our outing had been such a success, it was decided that we go as a club to visit some of our home growers next Sunday and the establishments of C. Kaminski, John Gratopp, Harry Heinl and Chas. Koelker & Sons will be looked over. The ladies of the club members sprang a surprise on us treating us to coffee and cake, which were most welcome. SCH.

60 Choice Varieties of **VERBENAS**

PERFECTLY HEALTHY—NO RUST.

ROOTED CUTTINGS, our selection.....$0 75 per 100; $ 6 00 per 1000
PLANTS, our selection, 2¼-inch pots..... 2 50 per 100; 20 00 per 1000

ROOTED CARNATION CUTTINGS

Clean and Healthy...

WHITE VARIETIES.	Per 100	Per 1000
White Perfection	$6 00	$50 00
White Enchantress	6 00	50 00
Lady Bountiful	3 00	25 00
My Maryland	3 00	25 00
The Queen	2 00	17 50
Queen Louise	2 00	17 50
Flora Hill	1 50	12 00
RED VARIETIES.		
Cardinal	$3 00	$25 00
Robert Craig	3 00	25 00
Flamingo	2 50	20 00
Crisis	2 00	17 50
Portia	1 50	12 00
Governor Roosevelt	2 00	17 50
Harlowarden	2 00	17 50

PINK VARIETIES.	Per 100	Per 1000
Enchantress	$3 00	$25 00
Mrs. Thomas Lawson	2 00	17 50
Dorothy	1 50	12 50
Mrs. E. A. Nelson	1 50	12 00
William Scott	1 50	12 00
Mrs. Francis Joost	1 50	12 00
YELLOW VARIETIES.		
Golden Beauty	$2 00	$17 50
Buttercup	2 50	20 00
Eldorado	2 00	17 50
VARIEGATED VARIETIES.		
Jessica	$3 00	$25 00
Mrs. M. A. Patten	2 50	20 00
Judge Hinsdale	2 50	20 00

60,000 Grafted Roses for Forcing

THE FINEST GROWN.

Orders booked for delivery in April, May and June.

	Per 100
Chatenay, Killarney, Richmond, Liberty, La France, rose pots	$15 00
3½-inch pots	18 00
Bride, Bridesmaid, Golden Gate, Kaiserin, rose pots	$10 00
3½-inch pots	15 00
OWN ROOT ROSES	$9 00 and $7 00 per 100

—SEND FOR PRICE LIST.—

J. L. DILLON, Bloomsburg, Pa.

For Best Results Advertisers should mail new advertisements and changes so as to reach us on Mondays.

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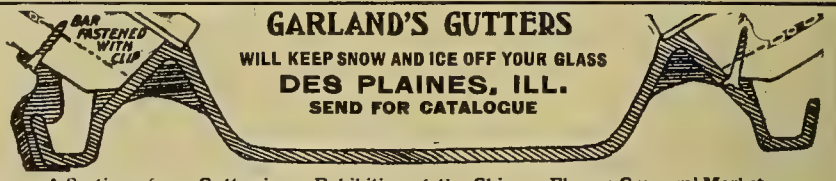

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W. Cloud	1.50	10.00
W. Lawson	2.00	15.00
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Carnations, White Perfection, Rose Pink Enchantress, Victory, Robt. Craig, $3 per 100; $25 per 1,000. White Enchantress, $6 per 100. Enchantress, $2 per 100; $15 per 1,000. Lawson, $1.75 per 100; $15 per 1,000. Helen Goddard, $2.50 per 100. Aristocrat, $5 per 100. Beacon, $6 per 100; $45 per 1,000. Harlowarden, $1.75 per 100; $15 per 1,000. Eli Cross, Grand Rapids, Mich.

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Cinerarias, right for 3, 4, 5 and 6-in., 80c, $1.75, $3 and $4.75 per doz. Chas. Sherwood, Waterloo, Ia.

Cinerarias, strong, 2¼-in., Columbia mix., $2 per 100. Stover Floral Co., Grandville, Mich.

COLEUS.

Coleus, Verschaffeltii, Golden Bedder, etc., $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Coleus, 10 varieties. 2¼-in., $2 per 100. Jos. H. Cunningham, Delaware, O.

Coleus. 10 kinds. Byer Bros., Chambersburg.

CUPHEAS.

Cupheas, 2 kinds, R. C., 75c. Byer Bros., Chambersburg, Pa.

Cupheas, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

CYCLAMENS.

Cyclamens, Craig's strain, twice transp., $4.50 per 100; $40 per 1,000. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Cyclamen grandi., 4-in., 20c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

DAHLIAS.

Dahlias, novelties and standard varieties, true to name. A choice list of the best introductions. Send for catalogue of dahlias, hollyhocks, hardy plants. W. W. Wilmore, Box 382 Denver, Col.

Dahlias, leading vars. J. Cheal & Sons, Crawley, England.

Dahlias, 75 vars. in cactus, decorative, show and pompon, true to name, $5 per 100 up; 1,000, 50 each of 20 vars., our selection, $40. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Dahlias, single. J. Cowan, Fashion, Jno. Downie, Sunningdale, Lustre, $1 per doz.; $6 per 100. Cactus, Mrs. A. Beck, Prof. Baldwin, $1 per doz.; $6 per 100. Countess of Lonsdale, Kriemhelde, F. Bartels, Miss Nightingale, $1.50 per doz.; $10 per 100. Decorative dahlias: Oban, Iridescent, Sylvia, $1.50 per doz.; $10 per 100; Lancelot, Mrs. Geo. Reed, $1 per doz.: $6 per 100. Show dahlias A. D. Livoni, Camilla alba, $1.50 per doz.; $10 per 100; one lot good vars. mixed, 50c per doz.; $3 per 100; mixed yellow, 50c per doz.; $3 per 100. Geo. Wittbold Co., 1657 Buckingham place, Chicago.

Dahlias, field roots, divided; out of 250 varieties under test from America and Europe, I offer for growing on the corn soils of the Mississippi valley and central west 25 varieties out of the "best" standard sorts at $4 per 100; 25 varieties at $8 per 100 out of the finer and newer "best" list; at $3 per 100 out of six colors in white, red, scarlet, pink, purple, yellow, double named valuable sorts. Write Ferndale Nurseries, Harlan, Iowa (near Omaha).

Dahlias, field-grown, Wm. Agnew, Countess of Lonsdale, Nymphæa, Mrs. Wellesley, Admiral Dewey, A. S. Livoni and Fern Leaf Beauty, $5 per 100. Duke Alexis and Kriemhilde, $7 per 100. Storrs & Harrison Co., Painesville, O.

Dahlias, all leading vars., $45 to $50 per 1,000. Dingee & Conard Co., West Grove, Pa.

Dahlias, leading varieties. David Herbert & Sons, Atco, N. J.

DAISIES.

Marguerites. Queen Alexandra, $3 per 100; Coronation, $3. Storrs & Harrison Co., Painesville, O.

DRACENAS.

Dracæna indivisa, 4-in., $2 per doz.; 5-in., $3; 6-in., $6; 7-in., $9; 8-in., $12. Geo. Wittbold Co., 1657 Buckingham place, Chicago.

Dracæna indivisa, 4-in., $12 per 100; 5-in., $20 per 100; 6-in., $40 per 100. Vaughan's Seed Store, Chicago and New York.

Dracæna, indivisa, 4-in., $2 per doz.; 5-in., $3 per doz. Strong plants. C. C. Pollworth Co., Milwaukee, Wis.

Dracæna indivisa, 2-in., $3 per 100. Geo. M. Emmans, Newton, N. J.

Dracæna indivisa, 2¼-in., $2; 3-in., $5 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

FERNS.

Ferns, Nephrolepis Whitmani, 2¼-in., 75c per doz.; $5 per 100; $40 per 1,000. N. Bostoniensis, 2¼-in., 60c per doz.; $4 per 100; $35 per 1,000. N. Todeaoides, 2¼-in., 30c each; $3.50 per doz.; $25 per 100; 4-in., 50c each; $5 per doz.; $40 per 100. Cyrtomium falcatum. C. Fortunei, Davallia stricta, Dicksonia antarctia. Lastrea chrysoloba. L. apaca, Onychium Japonicum. Pteris: adiantoides, argyrea. Wilsoni Cretica alba lineata. Cretica magnifica. Wimsetti, Wimsetti multiceps, Mayii hastata, Onvrardi, serrulata cristata, tremula, Victoriæ, also mixed vars., 2¼-in., $3.50 per 100; $30 per 1,000. Pteris: adiantoides, cretica alba lineata, Mayii, magnifica. Ouvrardi. Wilsoni, Wimsetti multiceps, Lastrea opaca, also mixed vars., 3-in., $6 per 100; $50 per 1,000. Adiantum Croweanum, 3-in., $15 per 100; $140 per 1,000. N. Amerpohlii, 2¼-in., 35c each; $3.50 per doz.; $25 per 100; $200 per 1,000. Fern flats; Cyrtomium falcatum, Pteris Mayii, P. serrulata cristata. P. Cretica alba lineata, P. Harrisoni, P. Wimsetti multiceps, 200 plants to flat, $2 per flat. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Ferns. Boston, 2½-in., 60c per doz.; $5 per 100; 3-in., $1.50 per doz., $10 per 100; 4-in., $2.50 per doz., $20 per 100; 5-in., 40c each; $4 per doz.; $30 per 100; 6-in. pans, 75c each, $6 per doz., $50 per 100; 7-in., $1 each, $9 per doz., $75 per 100; 8-in., $1.50 each, $15 per doz.; 9-in., $2 to $2.50 each; 10-in., $3 to $3.50 each; 12-in., $4 to $5 each. Nephrolepis Whitmani, 2-in., 60c per doz.; $4 per 100; 2½-in., 75c per doz.; $5 per 100; 3-in., $1.50 per doz.; $10 per 100; 4-in., $2.50 per doz.; $20 per 100; 5-in., $4 per doz.; $40 per 100; 6-in., $6 per doz.; $50 per 100; 7-in., $9 per doz., 8-in., $1.50 to $2 each. Amerpohli, 2-in., $2.50 per dozen; $20 per 100; 2½-in., $3.50 per doz.; $25 per 100; 3-in., $4 per doz.; $30 per 100; 4-in., $5 per doz.; $40 per 100. Vaughan's Seed Store, Chicago and New York.

Ferns, my specialty. Ferns for dishes, fine healthy stock from 2¼-in. pots, in 15 best varieties, $3 per 100; $25 per 1,000; 500 at 1,000 rate. Kentia Belmoreana, 2¼-in., $1.30 per doz.; $10 per 100. Assorted, 3-in., $6, 4-in., $12 per 100. Ad. Cuneatum, 2¼-in., $3.50 per 100; $30 per 1,000; 3-in., $6; 4-in., $12 per 100. A. Gracillimum, 2¼-in., $3.50 per 100. Cibotium Schiedei, 4-in., none better, $25 per 100. Fresh fern spores in all the best market varieties, 30c per trade package; $3 per doz. J. F. Anderson, Short Hills, N. J.

Ferns, Boston, 8-in., $1.25 to $1.50 each; 7-in., $1; 6-in., 50c; 5 to 5½-in., 35c and 40c. Whitmani, 8-in., $1.50; 6-in., 50c. Scottii, 7-in., $1 to $1.25; 6-in., 50c; 5½-in., 40c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

If you do not find what you need in our Ready Reference Department, write us about it.

Ferns, Elegantissima, 2¼-in., $6 per 100; 3½-in., $15 per 100; 6-in., 50c each; 8-in., $1 and $1.50 each; 10-in., $2 each. Whitmani, 2¼-in., $6 per 100; 3½-in., $15 per 100; 6-in., 50c and 75c each; 8-in., $1.50 each; 10-in., $2 each. Scottii, 6-in., 50c each. Boston, 2¼-in., $4 per 100; 6-in., 50c each; 8-in., $1 each. Small ferns for pans, $4 per 100; $30 per 1,000. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston, 2½-in., 4c; 3-in., 8c.; 4-in., 15c; 5-in., 25c; 6-in., 40c; 7-in., 65c; 8-in., $1 to $1.50; 10-in., $1.50 to $2. J. W. Dunford, Clayton, Mo.

Ferns, Boston, 2½-in., $4 per 100; $30 per 1,000. Small for dishes, $2.50 per 100. Storrs & Harrison Co., Painesville, O.

Ferns, Whitmani, 2¼-in., $5 per 100; 3½-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Son, Whitman, Mass.

Ferns, N. Amerpohlii, 2½-in., $15 per 100. Janesville Floral Co., Janesville, Wis.

Ferns, Piersoni Elegantissima, 2-in., 3c. Byer Bros., Chambersburg, Pa.

Ferns, Boston, 5-in., 30c each. Geo. M. Emmans, Newton, N. J.

Fern runners, 10,000 Boston, all sizes. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns, Scottii, Elegantissima, Whitmani, 2¼-in. W. W. Coles, Kokomo, Ind.

FICUS.

Ficus pandurata, in tubs, single stems, 6 ft., $7.50 each; branched, 5½ ft., $7.50 each. Robt. Craig Co., Market and 49th Sts., Phila.

Ficus elastica, 5 to 7-in., 30c to 75c each. G. Aschmann, 1012 W. Ontario St., Philadelphia.

FUCHSIAS.

Fuchsias, Black Prince and Minnesota, $2 per 100; Lieut. Muritz, White and Rose Phenomenal, $2.50. R. Vincent, Jr. & Sons Co., white Marsh, Md.

GERANIUMS.

GERANIUMS. Our stock is larger and finer than ever and includes the following SUPERB BEDDERS: S. A. Nutt, greatest crimson; Peter Henderson, grand new semi-double scarlet; Beaute Poitevine, best salmon; Mme. Buchner, the only double white; Jean Viaud, pure pink: strong top cuttings, well rooted and true to name, $1.75 per 100; $16 per 1,000. Cash. The W. T. Buckley Co., Springfield, Ill.

Geraniums, Nutt, Doyle, Perkins, Ricard, dbl. Grant, 2-in., $2.50 per 100; R. C., $1.25 per 100. Trego, Castellane, Poitevine, Viaud, 2-in., $3 per 100; R. C., $1.50 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, Trego, Doyle, Nutt, Bertha de Pressiley, Mme. Barney, $2.50 per 100; our choice in pink, red and white, $2 per 100. Storrs & Harrison Co., Painesville, O.

Geraniums, 2-in., $15 per 1,000; 2½-in., $18 per 1,000. Schmaus Bros., Paducah, Ky.

Geranium Fenical, 2½-in., $2 per doz.; 3½-in., $2.75; 5-in., $3.50. Linus Fenical, 448 Spruce St., Middletown, Pa.

Geraniums, 2½, 3 and 4-in. Geo. A. Kuhl, Pekin, Ill.

Geraniums, 2-in., standard sorts, and new vars., $2 per 100 up to $1 each; 1,000, 20 good vars., our selection, $18.50. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, 10 vars., 2½-in., $3 per 100; $25 per 1,000; 3-in., $4 per 100; rose geraniums, $2 per 100. Jos. H. Cunningham, Delaware, O.

Geraniums, 6 varieties double, S. A. Nutt and others, 2½-in., $2.50 per 100; $22.50 per 1,000. The Krueger Bros. Co., Toledo, O.

Geraniums in standard varieties, 2¼-in., $3 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Geraniums, apple, 2½-in., $4 per 100. Baker Bros. Co., Ft. Worth, Tex.

Geraniums. A. M. Herr, Lancaster, Pa.

Geraniums. E. G. Hill Co., Richmond, Ind.

The American Florist invites attention to the class of business firms in its adv. columns.

GLADIOLI.

Gladiolus, Princeps, medium, $9 per 100; Mrs. Francis King, $4 per 100; $30 per 1,000. America, $7.50 per 100; $60 per 1,000. Augusta, $2 per 100; $17 per 1,000. Brenchleyensis, $1.45 per 100; $12 per 1,000. Ceres, $1.45 per 100; $12.50 per 1,000. Mme. Monneret, $1.75 per 100; $15 per 1,000. May, $1.75 per 100; $15 per 1,000. "1900," $2.50 per 100. Shakespeare, $4.25 per 100; $38 per 1,000. Florist mixture, made from named light and white vars., $1.75 per 100; $15 per 1,000. Vaughan's Seed Store, Chicago and New York.

Gladiolus bulbs, over 15,000 bushels harvested. Groff's hybrids and other strains and named varieties of exceptional merit. Write for 1907 illustrated catalogue. Arthur Cowee, Gladiolus Specialist, Meadowvale Farm, Berlin, N. Y.

Bulbs, Gladiolus primulinus, $8 per doz.; $60 per 100. Primulinus hybrids, $3 per doz.; $20 per 100. J. M. Thorburn & Co., 33 Barclay St., New York.

Gladiolus, Hyacinthus candicans, spotted callas, oxalis, cinnamon vine, German iris, lilies. E. S. Miller, Wading River, N. Y.

Gladiolus America, $6.50 per 100; $60 per 1,000. Write for prices on other stock. Cushman Gladiolus Co., Sylvania, O.

Gladiolus Lemoinei and Nanceianus. V. Lemoine & Son, Nancy, France.

Gladiolus, leading vars. E. E. Stewart, Rives Junction, Mich.

GLOXINIAS.

Gloxinias. L. Van Houtte, Pere, Ghent, Belgium.

GREENS.

Greens, dagger and fancy ferns, $1.75 per 1,000. Bronze and green galax, $1.25 per 1,000. Leucothoe sprays, $1 per 100; $7.50 per 1,000. Sphagnum moss, per bale, $1.25. Boxwood bunches, 35c; 50 lbs., $7.50. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit.

Greens, bronze galax, $8.50 per case of 10,000; green, $7.50. Dagger and fancy ferns, $1.50 per 1,000. Laurel festooning, boxwood, southern wild smilax, Sphagnum moss and green moss, leucothoe sprays, etc. H. M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, cut palmetto and cycas leaves, galax, leucothoe, ferns, mosses, etc. Kervan Co., 113 W. 28th St., New York.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 53 W. 28th St., New York.

Greens, Wild Smilax. R. A. Lee & Co., P. O., Georgetown, Ga., Telegraph Office, Eufaula, Ala.

Greens, smilax, ferns, palm leaves, etc. John P. Scherer, Union Hill, N. J.

Greens, southern wild smilax. E. A. Beaven, Evergreen, Ala.

HARDY PERENNIALS.

Hardy perennials, anemone, aster, campanula, delphinium, funkia, hemerocallis, hepatica, incarvillea, iris, peony, phlox, primula, pyrethrum, tritoma. Royal Tottenham Nurseries, Ltd., Dedemsvaart, Holland.

Hardy pinks, R. C., 5 kinds, 75c. Byer Bros., Chambersburg, Pa.

Perennials. Ours are large field-grown stock. Mosbæk Greenhouse Co., Onarga, Ill.

HELIOTROPES.

Heliotropes, 4 of the best, R. C., $1 per 100; 2¼-in., $2.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Heliotropes, 3 kinds, R. C., $1. Byer Bros., Chambersburg, Pa.

Heliotrope, 4 of the best var. Mosbæk Greenhouse Co., Onarga, Ill.

HOLLYHOCKS.

Hollyhocks, 3-in., double, white, pink, red, yellow, $3 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

HYDRANGEAS.

Hydrangeas, Otaksa and Thos. Hogg, 6-in., 3 to 4 flowering stems, $5 per doz.; $40 per 100; 7-in., 5 to 6 flowering stems, $8 per doz.; $75 per 100. Vaughan's Seed Store, Chicago and New York.

Hydrangeas, American everblooming, H. arborescens sterilis, 1 and 2-yr. E. Y. Teas Co., Centerville, Ind.

Hydrangea Otaksa, 6 to 7-in., 35c to $1 each. G. Aschmann, 1012 W. Ontaria St., Phila.

Hydrangeas, strong plants, 10c. Levant Cole, Battle Creek, Mich.

Hydrangeas. W. & T. Smith Co., Geneva, N. Y.

IVIES.

English Ivy, hardy, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

LANTANAS.

Lantanas, 5 vars., $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

LILACS.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley, high class. Wm. Hagemann & Co., 55 Dey St., New York.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

From Storage.

Lily of the valley, for forcing, $11 per 1,000. W. C. Beckert, Pittsburg, N. S., Pa.

Lily of the valley pips from cold storage, $14 per 1,000; $1.50 per 100. Early forcing pips, $12 per 1,000. H. N. Bruns, 1409-11 W. Madison St., Chicago.

Lily of the valley, for forcing. Vaughan's Seed Store, Chicago and New York.

LOBELIAS.

Lobelias, Crystal Palace Gem, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

MOSS.

Sphagnum moss, 5 barrel bale, $1.25; 2 bales, $2.25; 5 bales, $5; 10 bales, $9.50. H. R. Akers, Chatsworth, N. J.

Sphagnum moss in burlap or wired bales. Write for prices. Vaughan's Seed Store, Chicago and New York.

MUSHROOM SPAWN.

Mushroom spawn, English, per 100 lbs., $6 f. o. b. New York; $6.50 f. o. b. Chicago. Garden City Pure Culture, 100 bricks, $12 f. o. b. Chicago, $12.50 f. o. b. New York. Vaughan's Seed Store, Chicago and New York.

Mushroom spawn. English and pure culture. Weeber & Don, 114 Chambers St., New York.

NURSERY STOCK.

Nursery stock, arbor-vitæ (Thuya occidentalis) 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, trees and shrubs, price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Nursery stock, large trees, oaks, maples, pines and hemlock. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock fruit and shade trees, shrubs, evergreens. W. & T. Smith Co., Geneva, N. Y.

Am. arbor-vitæ hedge plants. Evergreen Nursery Co., Sturgeon Bay, Wis.

Nursery stock, flowering shrubs. E. Y. Teas, Centerville, Ind.

ORANGES.

Oranges, Kinkan. P. J. Berckmans Co., Augusta, Ga.

ORCHIDS.

Orchids, C. Trianæ, C. Mossiæ, C. labiata, C. Schroederæ, C. speciosissima, C. citrina, C. intermedia, C. Gaskelliana, C. Dowiana, C. Warneri, Lælia anceps, L. albida, L. majalis, L. autumnalis, Oncidium crispum, O. varicosum, O. Cavendishianum, O. luridum, Epidendrum vitellinum majus, E. Cooperianum, Odonto, citrosmum, Miltonia vexillaria. Carillo & Baldwin, Secaucus, N. J.

Orchids in superb condition. Cattleya Mossiæ, C. Schroederæ, Lælia anceps, Epidendrum vitellinum, etc. Lager & Hurrell, Summit, N. J.

Orchids, C. Trianæ, C. Percivaliana, C. speciosissima, C. Gaskelliana, Oncidium Kramerianum. Ordonez Bros., Madison, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England. New York office, room 1, 235 Broadway.

Orchids in sheath, bud and flower. Julius Roehrs Co., Rutherford, N. J.

PALMS.

Palms, Kentias, all sizes; Latania Borbonica, 7-in., 5 to 6 leaves, 18 to 20 ins., 75c each; 8-in., 6 to 7 leaves, 20 to 22 ins., $1.25 each. Storrs & Harrison Co., Painesville, O.

Palms, Kentia Belmoreana and Forsteriana, 4-in., 18 to 20 ins., 35c; 5¼., 5½ and 6-in., 50c to 75c each. Latania Borb., 5-in., 30c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. Latania Borb., seedlings from flats, $2 per 100; 3-in., $6 per 100; 4-in., 3 in pot, $3 per doz. Kentias and phœnix in all sizes. Vaughan's Seed Store, Chicago and N. Y.

Latania Borbonica, from 2-in. 3 leaves, $3 per 100. The Perennial Gardens Co., Toledo, O.

Palms. P. J. Berckmans Co., Augusta, Ga.

Palms. L. Van Houtte, Pere, Ghent, Belgium.

PANICUM.

Panicum var., $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

PANSIES.

Pansies from cold frame, strong, in bud, $1.50 per 100; $12 per 1,000. Transplanted, nice stock, $5 per 1,000. F. A. Baller, Bloomington, Ill.

Pansies, giant flowering, 50c per 100; $2.50 per 1,000. Jos. H. Cunningham, Delaware, O.

PELARGONIUMS.

Pelargoniums, 3-in., $1.50 per doz.; $6 per 100. R. Vincent, Jr., & Sons, White Marsh, Md.

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PEONIES.

Peonies, 100 varieties, all classes for florists, 6 or 8 leading kinds, white to crimson, early to late, all named, $1.50 per doz.; $10 per 100. F. A. Baller, Bloomington, Ill.

Peonies, Festiva Maxima, $20 per 100; Queen Victoria. $9 per 100; Fragrans, $6 per 100. Gilbert H. Wild, Sarcoxie, Mo.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Free Peony book and nursery price list. Felix & Dykhuis, Boskoop, Holland.

Wholesale peony list for fall 1908 is now ready. J. F. Rosenfield, West Point, Neb.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies. leading vars. W. &. T. Smith Co., Geneva. N. Y.

PETUNIAS.

Petunia Berkshire, R. C., $2.50 per 100; $20 per 1,000. S. S. Skidelsky, 1731 No. 18th St., Philadelphia.

Petunias, 3-in., 4 vars., $4 per 100; 2-2½-in., $2.50. Geo. A. Kuhl, Pekin, Ill.

Petunias, double fringed, 2½-in., $2.50 per 100; R. C., $1 per 100. The Krueger Bros. Co., Toledo, O.

Petunias, dbl., 10 kinds. R. C., $1. Byer Bros., Chambersburg, Pa.

Petunias, dbl., $3 per 100. Jos. H. Cunningham. Delaware, O.

POINSETTIAS.

Poinsettias, good strong stock, $4 per 100. The Krueger Bros. Co., Toledo, O.

PRIMULAS.

Primula obconica grandi., mixed, 2¼-in., $1.50 per 100. The Stover Floral Co., Grandville, Mich.

PRIVET.

Privet, California and Amoor River, 2½ to 3 ft., $25 per 1,000. Peter's Nursery Co., Knoxville, Tenn.

Privet, California. E. Y. Teas, Co., Centerville. Ind.

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RHODODENDRONS.

Rhododendrons. 18-in., $9 per doz.; 24-in., $12 per doz. Storrs & Harrison Co., Painesville. O.

Rhododendrons. W. & T. Smith Co., Geneva, N. Y.

Rhododendrons, Jacs Smits, Naarden, Holland.

ROSES.

Roses, 4-in., pot, $1 per doz.; $8 per 100; $75 per 1,000: Diesbach, Bonstettin, Ball of Snow, Lyonnaise, Jubilee, Masson, Plantica, Laing, Neyron, P. C. DeRohan, Lamberlin, Caprice, Baby, P. W. and Y. Ramblers, Balto. Belle, P. Queen, Tenn. Belle, Russell's Cottage, Seven Sisters, D. Perkins, Lady Gay, Climbing and Clo. Soupert, Hermosa, A. Rivoire, B. Brown, Balduin, Kaiserin, Chatenay, Gambier, Meteor, Richmond, Carnot, Wellesley, P., R., Str., and W. La France, Teplitz, Emp. of China, Bride, Maid, Brabant, Ivory, Kruger, M. Guillot, M. van Houtte, Rainbow, Safrano, P. and W. Cochets, M. Washington, R. M. Henriette, O. Scarlet. $1.25 per doz.; $9 per 100; $85 per 1,000: Alpes, Dinsmore, Levet, Jacq., Giant of Battles, J. Hopper, Perle, Sunrise, Sunset. $1.50 per doz.; $10 per 100; $90 per 1,000: Am. Beauty, M. Dickson, Mrs. R. G. S. Crawford, Moss, Killarney, Wootton, Peary, Et de Lyon, Yel. Cochet. $2 per doz.; $15 per 100: Druschki, Am. Beauty, Marechal Niel. Leedle Floral Co., Springfield, O.

Roses, 2-yr., budded, per doz., $2; $15 per 100; Am. Beauty, La France, Frau K. Druschki, Kaiserin, Soliel d'Or, Hermosa, Paul Neyron, Gruss an Teplitz, 2-yr., budded, $1.50 per doz.; $11 per 100. Anna de Diesbach, Fisher Holmes, Magna Charta, Ball of Snow, Gen. Jacq., M. P. Wilder, Capt. Christy. Mme. Testout, Mrs. J. Laing, U. Brunner, etc. Crimson Rambler, 2-yr., home-grown, $15 per 100; 2-yr., imported, $12 per 100. Dorothy Perkins, 2-yr., home-grown, $12 per 100. Lady Gay, 2-yr., budded, $20 per 100. Philadelphia Rambler, 2-yr., home-grown, $12 per 100. Baby Rambler, 2-yr., extra strong budded, $20 per 100. White Baby Rambler, 2½-in., $10 per 100. Red Kaiserin, 2-yr., dormant, $25 per 100. Vaughan's Seed Store, Chicago and New York.

Roses, grafted and own root, Kaiserin, Carnot, Killarney. Richmond, Liberty, Bride and Bridesmaid. W. H. Elliott, Brighton, Mass.

Roses, rooted cuttings, guaranteed, Bride, Maid, Richmond, Kaiserin, $8 per 100. Gus. Schlegel, Butler, Pa.

Rose My Maryland, 2½-in., $25 per 100; $200 per 1,000; $5 per doz. John Cook, 318 N. Charles St., Baltimore, Md.

Roses, American Beauty, R. C., $27.50 per 1,000; 2½-in., $6.50 per 100; $60 per 1,000; 3½-in., $80 per 1,000. Maid, Bride, U. John, Richmond, Chatenay, Kaiserin, R. C., $18.50 per 1,000; 2½-in., $4.50 per 100; $40 per 1,000: 3½-in., $60 per 1,000. Mrs. Potter Palmer and Cardinal, 2½-in., $15 per 100; $125 per 1,000; 3½-in., $150 per 1,000. Perle, Sunrise, 2½-in., $5 per 100; $45 per 1,000; Perle, 3½-in., $65 per 1,000. Killarney, R. C., $35 per 1,000; 2½-in., $6 per 100; $55 per 1,000; 3½-in.. $75 per 1,000. **Poehlmann Bros. Co., Morton Grove, Ill.**

Roses, field-grown, Anna de Diesbach, Clio, Frau Karl Druschki, Gen. Jacq., John Hopper, Mme. Luizet, M. P. Wilder, Mrs. J. Laing, Paul Neyron, Prince Camille, U. Brunner, Crimson, white, yellow and Philadelphia Rambler, common sweet briar, Mme. G. Bruant, Wichuraiana. Ellwanger & Barry, Rochester, N. Y.

Roses, rooted cuttings, Bride, Bridesmaid, Ivory. Richmond, Chatenay, Uncle John, $1.50 per 100; $12.50 per 1,000. Sunrise and Kate Moulton, $3 per 100; $25 per 1,000. Perle, $2 per 100; $17.50 per 1,000 Am. Beauty, bench plants, $10 per 100; $75 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Roses, grafted for forcing, Chatenay, Killarney, Richmond, Liberty, La France, rose pots, $15 per 100: 3½-in., $18; Bridesmaid, Golden Gate, Kaiserin, rose pots, $10 per 100; 3½-in., $15 per 100. Own root roses, $9 and $7 per 100. J. L. Dillon, Bloomsburg, Pa.

Roses. grafted, Bride and Maids, $10 per 100; $100 per 1,000. Richmond and Killarney, grafted, $10 per 100; $100 per 1,000. Rhea Reid, grafted. $35 per 100; own root, $30 per 100. E. G. Hill Co., Richmond, Ind.

American Beauties, rooted cuttings, $3 per 100; $25 per 1,000; 2¼-in., $6 per 100; $50 per 1,000. J. F. Wilcox, Council Bluffs, Iowa.

Roses, Bride, Maid, Kaiserin, Killarney, Richmond, Wellesley, $12 per 100; $100 per 1,000. Jackson & Perkins Co., Newark, N. Y.

Roses, American Beauty, Richmond, bench plants, $6 per 100; $50 per 1,000. J. A. Budlong, 37-39 Randolph St., Chicago.

Rose Tausendschon, 3-in., 10 for $1.50; $12 per 100; $100 per 1,000. Dingee & Conard Co., West Grove, Pa.

Roses, Cr. and Baby Rambler, La France, Mme. Soupert. Geo. A. Kuhl, Pekin, Ill.

Rose Newport Fairy. Julius Roehrs Co., Rutherford, N. J.

Roses. E. G. Hill Co., Richmond, Ind.

Roses. W. & T. Smith Co., Geneva, N. Y.

Roses. California Rose Co., Pomona, Cal.

Roses. Geo. A. Kuhl, Pekin, Ill.

SALVIAS.

Salvia Zurich, ever-blooming type absolutely true, 2-in., $1 for 25; $3, 100; $25, 1,000. Rooted cuttings, $1.75, 100; $15, 1,000. J. L. Schiller, 929 Prouty Ave., Toledo, O.

Salvia St. Louis, extra strong 2½-in., $2 per 100; R. C., 75c per 100; $7 per 1,000. W. H. Humfeld Floral Co., Kansas City, Mo.

Salvia Zurich, 2-in., $3 per 100; $25 per 1,000; R. C., $1.75 per 100; $15 per 1,000; now ready. The Krueger Bros. Co., Toledo, O.

Salvia, R. C., 90c per 100; 2¼-in., $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Salvia Zurich, R. C., $1.75 per 100; 2-in., $3. Perennial Gardens Co., Toledo, O.

Salvia Bonfire, Splendens, 90c. Byer Bros., Chambersburg. Pa.

SMILAX.

Smilax, 2½-in., $2.50 per 100; $22 per 1,000; 3-in., $35 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Smilax, fall sown seedlings, 50c per 100; $4 per 1,000. F. A. Baller, Bloomington, Ill.

SEEDS.

Seeds, asters, Vick's branching, 8 colors; Snowdrift, Royal Purple, Lavender Gem, Daybreak, Purity, Sunset, Mikado, Cardinal, Violet King, Florists' novelty collection; Early White Branching, Imperial aster Sunrise, 25c; Violet King, 20c; Cardinal, 25c; Lavender Gem, 25c; Rosy carmine, 25c; How to Grow Asters, 10c. All of above, including book, 90c. Vick's Imperial Sunrise, pkt., 25c; 2 or more, 20c each. Vick's Early Branching, pkt., 25c; 2 or more 20c each. Hohenzollern early and late, White Fleece. Empress Frederick, Semple's Branching Pink. Early Wonder, Giant Comet, Queen of the Market. James Vick's Sons, Rochester, N. Y.

Seeds, Lettuce, Grand Rapids, ¼ lb., 30c; lb., $1; May King, ¼ lb., 40c; lb., $1.25. Cucumber, Evergreen White Spine, ¼ lb., 25c; lb., 75c; Davis Perfect, ¼ lb., 35c; lb., $1.25; Radish, Vaughan's Cardinal Forcing, ¼ lb., 40c; lb., $1.50; Improved Scarlet Globe, ¼ lb., 25c; lb., 70c; 20 Day Forcing, ¼ lb., 20c; lb., 60c. Scarlet Globe White Tip, ¼ lb., 20c; lb., 60c. Tomato, New Globe, ¼ lb., 75c; lb., $3; Comet, pkt., 25c; Sunrise, pkt., 25c. Cauliflower, Earliest of All, pkt., 25c; oz., $2.50. Vaughan's Seed Store, Chicago and New York.

Seeds, bean, beet, cabbage, carrot, kohl rabi, leek, lettuce, onion, pea, radish, spinach, turnip, swede, aster, balsam, begonia, carnation, cineraria, gloxinia, larkspur, nasturtium, pansy, petunia, phlox. primula, scabious, stock, verbena, zinnia, etc. Giant pansy, $5 per oz.; $1.50 per ¼ oz.; 75c per 1-16 oz. Henry Mette, Quedlinburg, Germany.

Seeds, Farm, garden or flower seeds of best quality. Specialties: fancy pansy, carrot, Brussels sprouts, cabbage. Golden Ball turnip. Price list on application from, The Bedfordshire Seed Co., Ltd., Sandy, England.

Seeds, Asparagus plumosus nanus, northern greenhouse grown, per 100 seeds, 60c; 250, $1.25; 1,000, $4; 5,000, $19.50; 10,000, $37.50. Vaughan's Seed Store, Chicago and New York.

Seeds, Primula obconica grandi, blood red, blue, carmine, pink, purple, violet, white, compacta, gigantea, fringed mixed, hybrids, separate, tr. pkt., 50c; 6 pkts., $2.50. O. V. Zangen. Hoboken. N. J.

Seeds, Semple Branching asters, white, rose, shell pink and lavender, 50c per oz.; mixed, 35c per oz. W. H. & C. B. Newman, Akron, N. Y.

Seeds, lawn grass in bulk or pkgs., Dickinsons. Evergreen and Pine Tree brands. Albert Dickinson Co., Chicago and Minneapolis.

Seeds, all kinds. H. H. Berger & Co., 70 Warren St., New York.

Seeds, verbena, mammoth, colors or mixed, ¼ oz., 30c; oz., $1. Salvia splendens, ¼ oz., 35c; oz.. $1.25; Bonfire, ¼ oz., 75c; oz., $2.50. W. C. Beckert, Pittsburg, N. S., Pa.

Seeds, Tomato, the Don, Cauliflower, First and Best. Onion, Ailsa Craig. Lettuce, Ideal. Mignonette. N. Y. Market. Weeber & Don, 114 Chambers St., New York.

Seeds, Conway's White Branching aster, trade pkt., $1; ½ oz., $3; oz., $5. F. A. Conway & Co., Indianapolis, Ind.

Seeds. Tomato Waveland, $1 per pkt., $3 per oz. H. Kuld. Box 193, Norwood, Mass.

Seeds of all kinds. H. E. Fiske Seed Co., 12 and 13 Faneuil Hall Sq., Boston, Mass.

Seeds, pansy, 1,000 seeds, mixed, 25c; 1 oz., $2.25. H. Wrede, Luneburg, Germany.

Seeds, all kinds. Bridgeman's Seed Warehouse, 37 E. 19th St., New York.

Seeds, garden, field and flower. S. D. Woodruff & Sons. 82 Dey St., New York.

Seed potatoes, Red River stock. Onion sets, Vaughan's Seed Store, Chicago.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Seeds, all kinds. St. Louis Seed Co., 784-786 N. 4th St., St. Louis.

Seeds. W. Atlee Burpee & Co., Philadelphia.

Contract Growers.

Seeds. We are now booking orders for Asparagus Sprengeri seed at $4 per lb., 10 lbs., $3.50 per lb. Theodosia B. Shepard Co., Ventura, Cal.

Seeds, onion, lettuce, sweet peas and other California specialties. C. C. Morse & Co., 48 to 56 Jackson St., San Francisco, Cal.

Seeds, bean, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, cabbage and cauliflower. Hjalmar Hartman & Co., 12 Stormgade, Copenhagen; 31 Barclay St., New York.

Seeds, lettuce, onion, sweet pea, aster, cosmos, mignonette, verbena. Waldo Rohnert, Gilroy, Cal.

Seeds, growers for the wholesale trade only. Braslan Seed Grower's Co., San Jose, Cal.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, garden peas and beans. Rogers Bros., Alpena, Mich.

SHAMROCKS.

Shamrocks, $3 per 100; $25 per 1,000; 50c per doz. by mail. John F. Rupp, Shiremanstown, Pa.

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Spirea Gladstone, 6 to 7-in., 50c to 75c each. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Spireas. Jacs Smits, Ltd., Naarden, **Holland.**

Spireas. Geo. A. Kuhl, Pekin, Ill.

STEVIAS.

Stevia. E. T. Wanzer, Wheaton, Ill.

SWAINSONAS.

Swainsona alba, R. C., $1; 2-in., 2c. Byer Bros., Chambersburg, Pa.

Swainsona alba, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

If you do not find what you need in our Ready Reference Department, write us about it.

VEGETABLE PLANTS.

Vegetable plants, tomato: Mayflower, Lorillard, Earliana, Early Jewel, Early June, 30c per 100; $2 per 1,000. Beets: Egyptian and Crosby, 20c per 100; $1.25 per 1,000. Celery: White Plume, Golden Self Blanching, 20c per 100; $1.25 per 1,000. Parsley: Moss Curled, 30c per 100; $2 per 1,000. Cauliflower: Early Snow Ball, 50c per 100. Lettuce; Grand Rapids, $1 per 1,000. Pepper and egg plant, 40c per 100; $2 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Lettuce plants. Grand Rapids and Black Seeded Simpson, $1 per 1,000; $9 per 10,000. B. E. Wadsworth, Box 224, Danville, Ill.

Vegetable plants, cabbage; Wakefield, Express, Winningstadt, 50c per 100. Byer Bros., Chambersburg, Pa.

VERBENAS.

Verbenas, 60 vars., R. C., our selection, 75c per 100; $6 per 1,000; plants, our selection, 2¼-in., $2.50 per 100; $20 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Verbenas, red, white, purple and pink, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Verbenas, $2 per 100. Jos. H. Cunningham, Delaware, O.

VINCAS.

Vinca variegated, R. C., 90c per 100; 2¼-in., $2.50 per 100; 3-in., $10 per 100; 5-in., $15 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Vinca major variegata, 2,500 rooted cuttings, $8 per 1,000; 90c per 100 prepaid for cash. F. W. Meyer, Kalamazoo, Mich.

Vinca variegata, 3-in., ready to shift, $4 per 100; 4-in., $7 per 100. John S. Leach, Hartford City, Ind.

Vincas, large plants for division, 6c to 8c, Levant Cole, Battle Creek, Mich.

Vinca variegata, 2¼-in., $2.50 per 100. Jos. H. Cunningham, Delaware, O.

VIOLETS.

Violets, Boston, $2 per doz.; $12 per 100; $100 per 1,000. Wm. Sim, Cliftondale, Mass.

STOCK WANTED.

I want 300 first-class well-rooted Beacon for which I will give in exchange 600 Rose Pink Enchantress and 200 Roosevelt. Geo. F. Hofmeister, Box 810, Pittsburg, Pa.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Allen, J. K., 106 W. 20th St., New York.
Amling, E. C., 32-36 Randolph St., Chicago.
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Buffalo Cut Flower Co., 468 Washington St., Buffalo, N. Y.
Deamud, J. B. Co., 51 Wabash Ave., Chicago.
Ford Bros., 48 W. 28th St., New York.
Froment, Horace E., 57 W. 28th St., New York.
Guttman, Alex J., 43 W. 28th St., New York.
Harty & Co., 1312 G. St., N. W., Washington.
Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.
Hunt, E. H. 76 Wabash Ave., Chicago.
Kennicott Bros. Co., 48-50 Wabash Ave., Chicago.
Kuehn, C. A., 1122 Pine St., St. Louis.
Langjahr, Alfred H., 55 W. 28th St., N. Y.
McCullough's Son Co., J. M., 316 Walnut St., Cincinnati, O.
McIntyre, John, 1601 Ranstead St., Philadelphia.
McKellar, Chas. W., 51 Wabash Ave., Chicago.
McKissick, W. E., 1619-1621 Ranstead St., Philadelphia.
Michigan Cut Flower Exchange, 30-40 Broadway, Detroit, Mich.
Millang Bros., 41 W. 28th St., New York.
Millang, Frank, 55-57 W. 26th St., New York.
Murdoch, J. B. & Co., 714 Penn Ave., Pittsburg, Pa.
Niessen Co., Leo., 1208 Arch St., Philadelphia.
N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.
Perkins & Nelson, 57 W. 26th St., New York.
Pittsburg Cut Flower Co., Ltd., 222 Oliver Ave., Pittsburg, Pa.
Pittsburg Florists' Exchange, 217-223 Diamond St., Pittsburg, Pa.
Pollworth, C. C. Co., Milwaukee, Wis.
Randall, A. L. Co., 19 Randolph St., Chicago.
Raynor, John L., 49 W. 28th St., New York.
Rice Bros., 128 N. 6th St., Minneapolis, Minn.
Robinson, Henry M. & Co., 11-15 Province St., Boston.
Schluraff, Wm. L., Erie, Pa.
Seligman, John, 56 W. 26th St., New York.
Sheridan, Walter F., 39 W. 28th St., New York.
Smith & Co., D., 111 W. 28th St., New York.
Smith & Co., W. C., 1316 Pine St., St. Louis.
Traendly & Schenck, 44 W. 28th St., N. Y.
Vaughan & Sperry, 58-60 Wabash Ave., Chicago.
Welch Bros., 226 Devonshire St., Boston.
Winterson, E. F. Co., 45-49 Wabash, Chicago.
Young, A. L. & Co., 54 W. 28th St., New York.
Young, Jr., Thos., 500 5th Ave., N. Y.
Young, John, 51 W. 28th St., New York.
Zech & Mann, 51 Wabash Ave., Chicago.

The American Florist invites attention to the class of business firms in its adv. columns.

Growers.

Bassett & Washburn, 76-78 Wabash, Chicago.
Benthey & Coatsworth Co., The, 35 Randolph St., Chicago.
Bruns, H. N., 1409-11 W. Madison St., Chicago.
Budlong, J. A., 37-39 Randolph St., Chicago.
Elliott, W. H., Brighton, Mass.
Hill, The E. G. Co., Richmond, Ind.
Jensen & Dekema, 674 W. Foster Ave., Chicago.
Joy Floral Co., 601 Church St., Nashville, Tenn.
Muskogee Carnation Co., Muskogee, Okla.
Peacock Dahlia Farms, Atco, N. J.
Poehlmann Bros., 35-37 Randolph St., Chicago.
Reinberg, Peter, 51 Wabash Ave., Chicago.
Weiland & Olinger, 128 E. 3rd St., Cincinnati, O.
Weiland & Risch, 59 Wabash Ave., Chicago.
Wietor Bros., 51 Wabash Ave., Chicago.
Wittbold, Geo. Co., 1657 Buckingham Pl., Chicago.
Woodrow, Samuel A., 53 W. 30th St., New York.

RETAIL CUT FLOWERS.

Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree St.
Albany, N. Y.—H. G. Eyers, 11 N. Pearl St.
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Buffalo, N. Y.—Palmer's.
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Dayton, O.—Mathews, 16 W. 3rd St.
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Indianapolis, Ind.—Bertermann Bros. Co., 241 Mass. Ave.
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Kansas City, Mo.—Samuel Murray, Coates House Co., 1017 Broadway.
Los Angeles, Cal.—J. W. Wolfskill, 218 W. 4th St.
Louisville, Ky.—J. Schultz, 644 4th Ave.
New Orleans, La.—U. J. Virgin, 833 Canal St.
Omaha, Neb.—Hess & Swoboda, 1415 Farnum St.
Rochester, N. Y.—J. B. Keller Sons, 25 Clinton St.
St. Louis, Mo.—Fred C. Weber, 4320-28 Olive St.
St. Louis, Mo.—Young's, 1406 Olive St.
St. Paul, Minn.—Holm & Olson.
San Francisco, Cal.—J. B. Boland Co., 47-49 Geary St.
Seattle, Wash.—Woodland Seed & Floral Co., 808 2nd Ave.
Washington, D. C.—Z. D. Blackistone, 14th and H. Sts., N. W.
Washington, D. C.—A. Gude & Bro., 1214 F. St.

ARTIFICIAL FLOWERS.

Artificial poinsettias. J. Schroeder, 2253 Ontario St., Cleveland, O.

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Boilers, corrugated, firebox and sectional greenhouse heating. Hitchings & Co., 1170 Broadway, New York.

Boilers, improved greenhouse boilers, made of best material; shell firebox sheets and heads of steel; water space all around (front, sides and back). Kroeschell Bros. Co., 45 Erie St, Chicago.

Boilers, the Superior improved internal fired boiler. Made in 10 sizes to heat from 2,000 to 6,500 feet of 4-in. pipe. Superior Machine and Boiler Works, 125-133 W. Superior St., Chicago.

Boilers, the Burnham boilers, made for greenhouse heating. Lord & Burnham Co., 1133 Broadway, New York.

Boilers, boilers of high grade for greenhouses. Steam or hot water. Giblin & Co., Utica, N. Y.

Boilers, steel return tubular, steam or water. Johnston Heating Co., 138 E. 31st St., N. Y.

Boilers, water tube steam boilers, King Construction Co., North Tonawanda, N. Y.

Boilers, S. A. Jacobs & Sons, 1365 N. Flushing Ave., Brooklyn, N. Y.

Boilers. Myers & Co., 1122 Betz Bldg., Philadelphia.

BOXES.

Cut flower boxes. Send for prices. Edwards Folding Box Co., Philadelphia, Pa.

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Building material, hotbed sash, cypress, unglazed, 95c each; in doz. lots, 90c; glazed, $1.65 each; doz. lots, $1.60. Pine sash, unglazed, 90c; doz. lots, 85c; glazed, $1.60; doz. lots, $1.55 each. Building hardware, wire and wire fencing, bolts, hatchets, hammers, etc. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Building material, lumber for greenhouse benches, shiplap, drop siding, sheeting flooring, white cedar posts, etc. We are in special position to furnish "Pecky Cypress;" everything in pine and hemlock building lumber. Adam Schillo Lumber Co., cor. Weed and Hawthorn Sts., Chicago.

Building material, cypress sash bars. Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pine fittings and all supplies needed in new or reconstruction work. Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Building material, Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouses and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Building material of all descriptions for all cypress, semi-iron, iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 113 Blackhawk St., Chicago.

Building and propagating sands, fire brick and fire clay, Portland cement, hard wall plaster. Garden City Sand Co., Security Bldg., Chicago.

Building material for U-bar greenhouses, Pierson U-bar Co., Metropolitan Bldg., 4th Ave. and 23rd St., New York.

Building material of all kinds. S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Building material of all kinds. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn.

CUT FLOWER HOLDER.

The Anglais decoration, made in section, can be adjusted to any form desired. "Japana" flower holder, 4¼-in., 50c; 3½-in., 35c; 2½-in., 25c. Garnsey, 131 S. Waiola, La Grange, Ill.

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Dried and ground SHEEP MANURE. Nature's product unadulterated. For particulars address Natural Guano Co., Aurora, Ill.

Wizard brand pulverized sheep manure, large barrel, $4 The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

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Get Diamond G. S. B. brand St. Patrick green for March 17, $1 per quart. Burton-Allison Co., St. Louis.

Green fluid for coloring carnations green for St. Patrick's day, March 17. Get the best. We have it; 50c per pint; $1 per qt. Wm. Murphy, 311 Main St., Cincinnati, O.

Green Carnation Dope, enough for pt., 50c; qt., $1; gal., $3.50. Tromey's Flower Shop, 923 Vine St., Cincinnati.

Emerald Green Carnation Fluid, Ajax Flower Dye, $1 per qt. by express. Winterson's Seed Store, 45-49 Wabash Ave., Chicago.

Green Carnation fluid, $1 per qt. Mrs. F. Beu, 60 Wabash Ave., Chicago.

GLASS.

Glass importers and jobbers; greenhouse glass a specialty. Window glass. James H. Rice, corner Michigan, St. Clair and Illinois Sts., Chicago.

Glass, greenhouse glass a specialty; also window glass. Sprague, Smith & Co., 167-9 Randolph St., Chicago.

Glass. See my low prices on any size window glass you want. Greenhouse glass a specialty. John S. Leach, Hartford City, Ind.

If you do not find what you need in our Ready Reference Department, write us about it.

Glass, A and B quality, single and double strength. Baur Window Glass Co., Eaton, Ind.

Glass for conservatories, greenhouses and gardeners. The Johnston Glass Co., Hartford City, Ind.

Glass. French and American "White Rose," Stenzel Glass Co., 2 Hudson St., New York.

Glass, high grade, double thick, greenhouse glass. Lord & Burnham, 1133 Broadway, N. Y.

Glass, all sizes. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn, N. Y.

Glass of all sizes. S. Jacobs & Sons, 1365 N. Flushing Ave., Brooklyn, N. Y.

Glass of all kinds and sizes. Sharp, Partridge & Co., 22nd and Lumber Sts., Chicago

GLAZING POINTS.

Glazing points; see the point? Holds glass firmly. Peerless glazing points are the best No rights or lefts. Box of 1,000 points, 75c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Siebert's zinc never-rust glazing points, 2 sizes, ⅝ and ⅞, 40c per lb.; 16c extra by mail; 7 lbs., $2.50; 15 lbs., $5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburg, Pa.

Glazing points, Lord & Burnham special glazing nails (points), Lord & Burnham Co., 1133 Broadway, N. Y.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of greenhouses for private estates, institutions, parks, etc. Pierson U-bar Co., Metropolitan Bldg., 4th Ave. and 23rd St., New York.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 113 Blackhawk St., Chicago.

Greenhouse construction of all kinds and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Greenhouse construction, builder of private or commercial greenhouses. Frank Van Assche Fulton and Rose Ave. and Dwight St., Jersey City, N. J.

Greenhouse construction, semi-iron greenhouses, new truss houses iron frame houses. Lord and Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction, builders of every type of greenhouses the most modern designs. Hitchings & Co., 1170 Broadway, N. Y.

Greenhouse construction, builders of modern greenhouses, Myers & Co., 1122 Betz Bldg., Philadelphia.

Greenhouse construction and equipment. King Construction Co., North Tonawanda, N. Y.

GUTTERS.

Gutters. Garland's gutters will keep snow and ice off your glass. A sample of our gutters is on exhibition at Chicago Flower Growers' Market. Geo. M. Garland, Des Plaines, Ill.

Gutters, cast-iron gutters, Lord & Burnham Improved V-shaped gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, New York.

Gutters, Jennings' improved iron gutters. Diller Caskey & Keen, 6th and Berk Sts., Philadelphia.

HOSE.

Hose, garden, ¾-in., 4c per ft. Competition garden hose, ¾-in., 50 ft. lengths with couplings, $2. Standard grade, ¾-in., 50 ft. lengths with couplings, 3 ply. 7c per ft.; 4 ply, 9c; 5 ply, 10c. Hose reels, 75c each. Sprinklers, 25c. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Hose, 50-ft. lengths, ¾-in., 8½c; for heavy work, 12½c. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn, N. Y.

INSECTICIDES.

Fresh tobacco stems; 50c per 100 lbs.; $10 per ton. Scharff Bros., Van Wert, O.

Insecticides, tobacco paper 24 sheets, 75c; 144, $3.50; 288, $6.50; 1,728, $35.10. Nicofume liquid, pint, $1.50; ½ gal., $5.50; gal., $10.50; 5 gals., $47.25. The Kentucky Tob. Product Co., Louisville, Ky.

Insecticides. Carman's Antipest insecticide and fungicide, $1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Fumigating supplies, vaporizing pans for tobacco extract, improved. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Tobacco stems, bales 500 lbs., $1.50. W. C. Beckert, Allegheny, Pa.

Insecticides. Nicotcide Bug Killer, the best bug killer and bloom saver. P. R. Palethorpe Co., Owensboro, Ky.

MISCELLANEOUS.

Split carnations easily mended, no tools required. Pillsbury's Carnation Staple, 50c per 1,000. I. L. Pillsbury, Galesburg, Ill.

The Auto-Spray, fitted with Auto-Pop nozzle. E. C. Brown Co., 74 Jay St., Rochester, N. Y.

Engravings. Best engravings and illustrations of every description for catalogues. Send for estimates. Globe Eng. & Elec. Co., 427 Dearborn St., Chicago.

Iron reservoir vases and lawn settees. McDonald Bros., Columbus, O.

Florists' overdue accounts and bad debts collected by the National Florists' Board of Trade, 56 Pine St., New York.

Printing. Large runs of catalogues a specialty. Write for figures. Regan Printing House. 89-91 Plymouth Pl., Chicago.

Heller's mice proof seed cases and bins. Heller & Co., Montpelier, O.

PAINT, PUTTY, ETC.

R. I. W. damp resisting paint. Garden City Sand Co., Security Bldg., Chicago.

Paint. Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, New York.

Paint, putty, etc. The Jas. H. Rice Co., cor. Michigan, St. Clair and Illinois Sts., Chicago.

Putty, paint, etc. H. M. Hooker Co., 120-128 W. Washington St., Chicago.

PIPE, FITTINGS, ETC.

Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U-bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., Western Ave. and 26th St., Chicago.

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Pipe fittings, etc. S. Jacobs & Sons, 1365 N. Flushing Ave., Brooklyn, N. Y.

Pipes, valve fittings. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

POTS, PANS, ETC.

Pots, standard seed pans, cut flower cylinders, hanging baskets, lawn vases, etc. Hilfinger Bros. Pottery, Ft. Edward, N. Y.

Pots, standard flower pots. The Whilldin Pottery Co., Philadelphia, Pa.; Jersey City, N. J.; Long Island City, N. Y.

Pots, red standards, full size and wide bottoms. Detroit Flower Pot Mfg., 490 Harvard St., Detroit, Mich.

Pots, red standard. Paducah Pottery Co., Paducah, Ky.

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Pots, red standard azalea pots. The Keller Pottery Co., 213-223 Pearl St., Norristown, Pa.

Pots, pots of all kinds. A. H. Hews & Co., No. Cambridge, Mass.; Long Island City, N. Y.

Pot hangers, Kramer's $1 doz. exp., $1.25, mail. I. N. Kramer & Son, Cedar Rapids, Ia.

Paper flower pots, 500,000. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Pots and azalea pans. Twin City Pottery Co., Minneapolis, Minn.

The Red Pot. C. C. Pollworth Co., all roads connect with Milwaukee.

Pots, standard, all sizes. A. F. Kohr, 1521 Leavitt St., Chicago.

Pots, standard red flower. A. J. Marquis, Middleburg, O.

Pots. Syracuse red. Syracuse Pottery Co., Syracuse, N. Y.

Pots. Ionia Pottery Co., Ionia, Mich.

SUPPLIES.

Wire Work—Manufacturers of artistic florists' designs. New price list; large discount. Pittsburg Cut Flower Co., Ltd., Pittsburg, Pa.

Supplies, rustic hanging baskets, rustic pedestals, settees, chairs, tables, bird houses, window boxes, vases, etc. Reed & Keller, 122 W. 25th St., New York.

Supplies, metallic and artificial wreaths for grave decorations, cycas leaves, artificial flowers of all kinds. Carl Netchert, 140 Wabash Ave., Chicago.

Supplies. Cape flowers, cycas leaves, metal designs and all florists' supplies. A. Herrmann, 404-12 E. 34th St., New York.

Supplies, importers and manufacturers of florists' supplies. L. Baumann & Co., 78 Wabash Ave., Chicago.

Supplies, wire designs, etc. The Cleveland Cut Flower Co., 215 Huron Road, Cleveland, O.

Supplies, wire designs. Pittsburg Florists' Ex., 228 Diamond St., Pittsburg, Pa.

Supplies of all kinds and novelties. E. H. Hunt, 76 Wabash Ave., Chicago.

Supplies of all kinds. E. F. Winterson Co., 45-49 Wabash Ave., Chicago.

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RICHMOND, IND.

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WRITE FOR ILLUSTRATED CATALOGUE
QUAKER CITY MACHINE WORKS.
RICHMOND, IND.

Hartford, Conn.

The regular meeting of the Connecticut Horticultural Society was held in County building, February 28, President Huss in the chair. It was "Cyclamen" night and the attendance was unusually large, about 35 members being present. President Huss named Messrs. Sierman, Gerard and Vidbourne as judging committee, and certificates of merit were awarded as follows: For cyclamens, two specimen plants, C. Peterson; collection of six varieties, J. F. Huss; Cineraria stellata, J. F. Huss and A. J. Weber. For Primula obconica, collection of six varieties, P. Zuger was awarded a diploma. W. N. Shumway, Berlin, exhibited for the first time a seedling carnation of the Enchantress type, of which it is a seedling: color deep pink. Mr. Shumway has grown this carnation for five years and says it is practically a non-splitter; a good grower, and in every way as prolific as its parent. A special committee awarded this promising variety a certificate of merit.

F. Roulier read an excellent paper on "Cyclamen Culture," which was of much interest, especially to the amateur members. Mr. Roulier is one of our most successful cyclamen growers, and the skilful way in which he treated his subject was heartily applauded. The paper was followed by a lively discussion on the advisability of saving old bulbs. The general opinion was that while an occasional specimen could be produced from an old bulb, the only profitable way was to grow them annually from seed. The membership of this society is steadily on the increase; 12 new members were voted in at the last meeting. A. C., JR.

SPRINGFIELD, MASS.—The Botanical Society met at the Science Museum, February 21, and heard an address on the diseases of plants, or rather a resume of his 20 lectures on such subjects by Dr. Geo. E. Stone of the Amherst Experiment Station. In an interesting and popular way Dr. Stone drew important lessons from common objects and gave particulars of the great mischief wrought in this country by disease and insects. He then spoke of various antidotes for plant destroyers, detailing a number of those whose value has been proved. He also spoke of the advantages of gardening under glass. In closing he instanced the Bliss peach orchard of Wilbraham as an example of perfect cultivation and mentioned the Miller apple orchard at Haydenville. An interesting discussion followed. The next meeting of the society will be held March 20.

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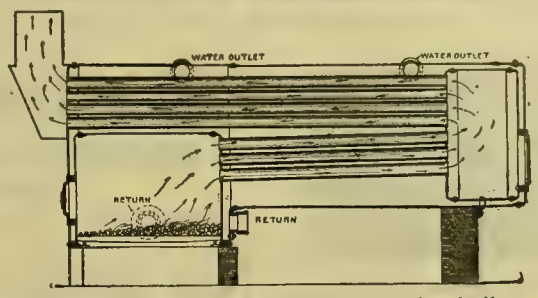
Ask the man that knows. The names are yours for the asking of them.



12 of these were bought and used by one grower. 6 by another grower.

This boiler has given better satisfaction than any other boiler on the market
MADE IN EIGHT SIZES FOR HOT WATER.
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The KROESCHELL BOILER

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(NOT CAST IRON)

Has water in front, sides, top and a water back.

Made in 15 sizes, heating 6,000 to 50,000 square feet of glass to 60° at 15° below zero.

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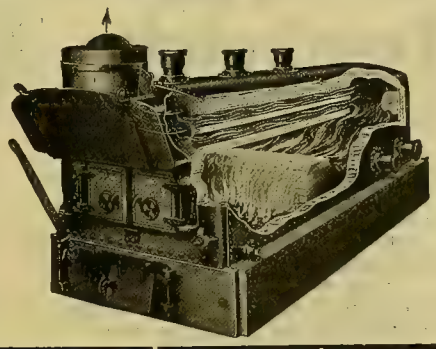

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By Installing a
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Write us for a 30 days' trial. We will place a trap in your heating system and will abide by your decision whether it pays or not. We know once you install a **MOREHEAD** you will never be without one—**Investigate it.**

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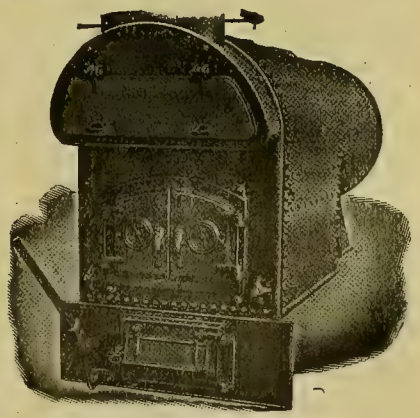

WHAT F. R. PIERSON SAYS:

JOHNSTON HEATING CO., New York City.
Gentlemen—The internally fired steel boilers which you installed last fall are giving us great satisfaction. They heat very quickly and are very economical. We are exceedingly well pleased with them and they have more than met our expectations. Very truly yours, F. R. PIERSON CO.

Johnston Heating Co., 138 East 31st, St. **NEW YORK CITY**
Write for catalogue and prices.

LENOX, MASS.—The annual banquet of the Horticultural Society was held February 15, when covers were laid for 90 guests who sat at one long table in the new colonial dining-room at the Curtis hotel, which was adorned with plants and cut flowers. Many roses, carnations and other flowers of the season were used. At each plate was a handsome gardenia. Alexander McConnachie, a charter member of the society, was toastmaster and ably presented members of the society who reviewed the past history of the organization, last year having been especially notable in growth of membership, interest and exhibitions. It was predicted that some day the society would have its own home and hall where the scope for usefulness will be greater.

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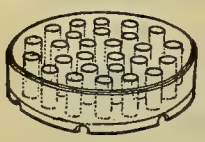

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10,000, $1.75; 50,000, $7.50. Manufactured by
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Sample free. For sale by dealers.

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Florists' Supplies
76-78 Wabash Ave., CHICAGO.
Write for our New Catalogue F. Our prices may interest you.

Cleveland.

STOCK OVER PLENTIFUL.

Trade the past week has been very quiet in all lines. Large shipments are being received, and the end of the week found the wholesale houses loaded with stock and quantities have gone to waste as the cold weather keeps the street men indoors. Roses are coming in crop with almost all the growers and the quality is above reproach; the prices have weakened a little with a further drop in sight. Bulb stock of all kinds, including Easter lilies, is a drug on the market, the only item that has sold well being single violets, home grown. Double violets are in oversupply. Sweet peas were never finer and clean up fairly well. Lily of the valley is hard to move and some lots have gone very cheap.

NOTES.

Chas. Bartels of the Essex Greenhouses, is sending in the finest sweet peas in this market, in all colors, including a new lavender which is very fine. His carnations also are in a class by themselves and are selling up clean in an overstocked market.

Isaac Kennedy of West Park and Lamborn Floral Co., Alliance, are sending the Florists' Exchange some of the finest roses to be seen.

The J. M. Gasser Co. showed a window the past week of old fashioned boquets which attracted a good deal of attention.

Miss Nettie Heideman, bookeeper for the Florists' Exchange, has been on the sick list for the past week.

Visitors: Reed & Keller's representatives, New York; and M. Shattles of Lion & Co., New York; Williams Bros., Lorain; M. Bloy, New Castle, Ind.

FORESTER.

THE KELLER POTTERY COMPANY,
Manufacturers of FLORISTS' RED STANDARD POTS.
Azalea Pots, Bulb and Fern Pans, Etc.
Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

The Ionia Pot is the Best Pot.
That's the reason why it was necessary to double our capacity in 1907 to take care of the trade of 1908. Our factory equipment is the best. Our output is the largest.
Hand your next season's order to Uncle Sam today. Our invoice will be in your hands on his return trip.
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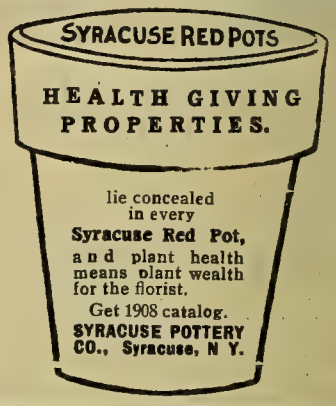

lie concealed in every Syracuse Red Pot, and plant health means plant wealth for the florist.
Get 1908 catalog.
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Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2-in., in crate,	$4.88	120 7-in., in crate,	$4.20
1500 2¼ "	5.25	60 8 "	3.00
		HAND MADE.	
1500 2½ "	6.00	48 9-in., in crate,	$3.60
1000 3 "	5.00	48 10 "	4.80
800 3½ "	5.80	24 11 "	3.60
500 4 "	4.50	24 12 "	4.80
320 5 "	4.51	12 14 "	4.80
144 6 "	3.16	6 16 "	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address
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361-363 Herndon Street, near Wrightwood Ave.,
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Those Red Pots
"STANDARDS"
FULL SIZE AND WIDE BOTTOMS,
BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'F'Y.
HARRY BALSLEY, Rep. DETRIOT, MICH. 490 Howard St

Kramer's Pot Hangers
For Sale by Wholesale Seedsmen, Florists and Supply Dealers.
Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.
I. N. Kramer & Son, CEDAR RAPIDS, IOWA.

Twin City Pottery Mfg. Co.
Minneapolis, Minn.
Plants grow best in our Porous Pots.
STANDARD FLOWER POTS, Azalea Pans, Hanging Baskets, etc.
Send your orders early.

Red Standard Flower Pots
Price list and samples on application.
PADUCAH POTTERY CO., Inc.
PADUCAH, KENTUCKY.

Standard Flower Pots
Porosity and Strength Unsurpassed.
Write for Prices.
A. F. KOHR,
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—a McCray built-to-order refrigerator—Quartered Oak with beveled mirror over display doors.

Best Results With Less Ice

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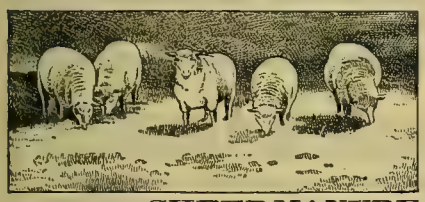
McCray Refrigerators

will give an air of elegance to your store. It will save ice for you daily. It will keep your stock right. It will help sell your stock because it will be kept in such perfect condition. Your refrigeration troubles will be over when you buy a McCray.

McCray Refrigerators are lined with white enamel, tile, opal glass, or with marble or mirrors as you prefer, and are made in a wide range of regular sizes for immediate shipment, or can be built to order for any requirement.

Don't neglect to write at once for our beautiful Catalog No. 71, giving the detail of the full line of McCray Refrigerators for Florists.

McCray Refrigerator Co., 760 Mill St., Kendallville, Ind.



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FLORIST SPECIALTIES 100 lbs., $1.75; 500 lbs., $8.00; 1,000 lbs., $15.00. Ton, 2,000 lbs., $30.00.

HENRY A. DREER, 714 Chestnut St., Phila., Pa.

Los Angeles, Cal.

A Florists' Club was organized here last Saturday, O. M. Morris being chairman and E. C. Morton, secretary. This is something we have needed for some time. A suitable hall will be engaged and regular meetings held which will be of an educating and social nature.

The warm weather is bringing out the flowers. Violets by the thousands are seen on the streets and in department stores five cents per bunch, 60 to 80 in a bunch.

Dr. Houghton, who is managing the coming flower show in April, is very busy these days. The doctor says he is going to have the best show ever held in the city.

J. W. Wolfskill is around again; the boys are glad to see the grand old man, though sorry to see his arm suspended in a sling.

This city is going to have an up-to-date wholesale and commission house for cut flowers, plants and florists' requisites.

Flowers, fruits and vegetables are scarce at this time, owing to the heavy rains, followed by a cold snap.

C. E. Morton at the Redondo Floral Co. has been very busy of late with large orders for funeral work.

The officers of the South California Horticultural Society held a meeting in this city February 25.

A. F. Borden, of Hollywood, is contemplating the erection of three new greenhouses.

O. C. Saakes, Spring street, has built a small greenhouse at his carnation garden.

Visitors: W. D. McRorie, representing W. A. Manda, South Orange, N. J.; A. J. Currie, Milwaukee, Wis., and W. J. Schuch, representing C. C. Pollworth & Co., Milwaukee, Wis. ED.

HOLLYWOOD, CAL.—The Womans Club will hold a flower show April 30 and May 1. The school exhibits are expected to be very interesting.

CARL NETSCHERT

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Metallic and artifical wreaths for grave decoration. Sago leaves, Artifical flowers, Leaves, Plants, Vines of all descriptions.

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Iron Reservoir Vases AND Lawn Settees,

Manufactured by

McDONALD BROS.,

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The largest manufacturers of these goods in America. Send for catalogue.

Garman's Antipest

INSECTICIDE AND FUNGICIDE

For the Garden, Orchard and Greenhouse

Non-poisonous and harmless to vegetation.

Kills Green Fly, Aphides, Bark Lice, Thrips. Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

This is the Grower's Friend, handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. **$1.50 per gallon.** Also in quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO., FLUSHING, N. Y.

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Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florists' Supplies.

SEND FOR PRICES.

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THE BEST Bug Killer and Bloom Saver.

For PROOF Write to

P. R. PALETHORPE COMPANY,

OWENSBORO, KY.

J. SCHROEDER,

— MAKER OF —

Artificial Flowers,

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Increase Crops in Orchard and Field with **THE AUTO-SPRAY**

It is guaranteed to be the most powerful, easily operated, economical hand sprayer made. With it a boy outworks three men with ordinary device. Used by U. S. Government and State Experiment Stations. **Fitted with Auto-Pop Nozzle** it is equal to large operations as well as small. Write if you want agency. Spraying Calendar Free.

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Cattle Manure In Bags

Shredded or Pulverized

Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.

The Pulverized Manure Co., 32 Union Stock Yards, Chicago

GREENHOUSE GLASS

PRICES WAY DOWN! DON'T HESITATE! WRITE TO-DAY!

You have been waiting for just such a time as the present and unless all signs fail, you will make no mistake in buying for present and future needs. Tell us the sizes you use, and we will quote prices that mean business.

HOOKER'S GREENHOUSE WHITE

WHITE AS SNOW. READY FOR USE. TOUGH AS LEATHER.

Years of experience and study have produced this wonderful wearing white and you know it requires just as much time to put on a cheap paint as it does the best.

Half Barrels, (25 Gals.) per gal. $1.40. 5 Gallon Buckets, per gal. $1.50.

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Albany, N. Y.

The Florists' Club held its second annual banquet at the Hotel Belvedere, Beaver street, on February 25. John A. Howe, Jr., formerly county treasurer, acted as toastmaster. During the evening, addresses on trade subjects were made by James Karins, with Henry A. Dreer, Inc., Philadelphia; Fred. A. Danker; Wm. C. King, a former president; Edward P. Tracey, and Fred Henkes, who spoke for the growers. A feature that added to the attractiveness of the banquet was the flowers that many of the members contributed in large vases. These were arranged at regular intervals down the long table and furnished a constant inspiration for discourse. Many prominent men were present. The arrangements for the banquet were in charge of a committee composed of Patrick Hyde, chairman; Edward P. Meaney, and Fred Henkes.

The wedding of Miss Marcia Brady and Carl Tucker of Baltimore, Md., took place at the home of the bride in this city February 27. The decorations were by Eyres and comprised lily of the valley, white lilac, white orchids, southern smilax and Asparagus plumosus in the drawing room where the ceremony took place. The gold room adjacent was decorated with purple lilac. American Beauty roses and smilax were used to decorate the staircase and clusters of this rose adorned the newel posts. The entrance hall was adorned with lilac and Asparagus plumosus and two small reception rooms adjacent were resplendent with white hyacinths. American Beauty roses were used in the dining room.

T. J. Totten of Saratoga Springs has sent to some of the retailers in this city samples of his new seedling carnation which he has not named. The flowers sent are approximately three inches in diameter and of the color of the well known variety Crane.

Amos F. Balfoort is contemplating the building of a small addition to his greenhouses on Second street for azaleas. The improvements will include also a new boiler.

R. D.

Lock the door before the horse is stolen, and insure your glass before it is broken.

For particulars concerning Hail Insurance, address

JOHN G. ESLER, Secretary,
SADDLE RIVER, N. J.

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SINGLE AND DOUBLE STRENGTH

CATCHY PRICES. QUICK DELIVERY.
WELL PACKED. NEAT BOXES.
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HARTFORD CITY, INDIANA,
Manufacturers and Jobbers of
WINDOW GLASS

For Conservatories, Greenhouses and Gardeners.

Special Prices on Hotbed Sizes. Standard Quality. Large Capacity. Lowest Prices.

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GREENHOUSE GLASS

A SPECIALTY.

Window Glass, Paint, Putty, etc.

Office and Warehouse: Corner of Michigan, St. Clair and Illinois Streets, CHICAGO.

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America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXX. **CHICAGO AND NEW YORK, MARCH 14, 1908.** **No. 1032**

THE AMERICAN FLORIST

TWENTY-THIRD YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—FRANK H. TRAENDLY, New York, Pres.; W. N. RUDD, Morgan Park, Ill., Secy.; H. B. BEATTY, Pittsburg, Pa., Treas. Next meeting at Niagara Falls, N. Y., August, 1908.

THE NATIONAL FLOWER SHOW.

CHICAGO, November 6-15, 1908.

Wm. F. Kasting, Buffalo, N. Y., is chairman of the general committee in charge. Chairmen of sub-committees follow:

EXECUTIVE AND FINANCE—Wm. F. Kasting, Buffalo, N. Y.
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FOREIGN EXHIBITS—E. G. Hill, Richmond, Ind.
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TREASURER—I. C. Bertermann, Indianapolis, Ind.

The above chairmen have power to select their various committees from the general committee of 50 or the members of the S. A. F. at large.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition at Chicago, March 25-27, 1908. ROBT. SIMPSON, Clifton, N. J., president; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., secretary.

AMERICAN PEONY SOCIETY.

Fourth annual meeting at Ithaca, N. Y. June 1908. C. W. WARD, Queens, N. Y., Pres.; A. H. FEWKES, Newton Highlands, Mass., Sec'y.

ROSE GROWERS should note the very large list of special premiums to be offered at the forthcoming exhibition of the American Rose Society, to be held at the Art Institute, Chicago, March 25-27.

SUGGESTIONS FOR PLANT GROWERS.

Hydrangeas.

Some growers are apt to forget, when they are flowering hydrangeas under glass, that the plant is practically a hardy one and that forcing, except in so far as it is necessary to get the plants on time, is not good for them. Extra heat leads to soft foliage, weak and poor colored flower trusses, no matter how good the dormant plants were. The Easter plants are now well established and in most cases will be finished for this holiday. Hydrangeas like a moderately cool house and, until the flowers show color, plenty of atmospheric moisture. At night 50° is ample, rising by day by fire heat about five degrees more, according to the weather, on bright days. When it is apparent that the roots are well through the compost and the growth is vigorous feed the plants rather liberally to ensure large, well colored flower heads. Light spraying, taking in the under sides as well as the top of the leaves, is necessary to keep the plants growing freely and discourage insects.

Begonia Gloire de Lorraine.

When potting the young plants from leaf cuttings use a compost of sound fibry loam, leaf mould and a little pounded cow manure, with abundance of clean sharp sand. Such soil will not run together readily and thus the crusting over of the surface, so troublesome with weakly rooted small plants, is to a great extent avoided. Use the smallest pots the plants can be conveniently got into as this will give an opportunity for another shift later, and each shift, if the work is carefully and correctly done, will give the plants a new start. Have everything very clean, pots, soil and benches, and stir a little soot and lime into the ashes or other material on which the plants are to stand. As long as the old leaf remains fresh and sound leave it, but remove every trace of decay at once. In potting, if crocks are not used, take a little of the roughest of the soil and place in the bottom of the pots. Set them up pot thick at first but give them a new stand in about two weeks and see that nothing is clogging up the drainage hole. Keep the largest, medium and smallest plants each by themselves when setting them up or giving them a new stand, to facilitate watering, which must be very judiciously done at this early stage.

Palms for Decoration.

The small pots that palms for decoration are usually grown in, and the amount of fire heat required during cold weather, make frequent examination for water necessary. Palms are easily overwatered, it is true, but they dry out very rapidly when in a healthy, growing condition, and the grower must be around them regularly. Not only is root moisture necessary, the atmosphere of the house must be kept moist, or healthy growth is out of the question. Damp freely all available places, dry spots on the walks and under the benches or any place where several pipes converge and cause a dry atmosphere. But avoid the hot pipes, as a steaming atmosphere is bad for any plants. The experienced plant grower does not need to be told about these things. He has a kind of sixth sense that tells him when a house is the right condition atmospherically, and this should be cultivated by those who would become expert, for nothing is more important than a properly balanced atmosphere as regards heat, air and moisture. Speaking generally, the ventilators should be slightly raised as soon as the sun strikes the house on bright mornings, but not sufficiently to stop the gradual upward trend of the temperature. If this does not rise slightly with a "crack of air" on, close the vents again. Increase the air as it becomes necessary and damp frequently. Then close soon after mid-day, again damping the dry spots. Any plants that have been long in their pots may need feeding, if it is desired to increase their size rapidly. Nitrate of soda may be lightly sprinkled on the surface of the soil in the pots and carefully watered in, or if watering cans are used, the crystals may be dissolved in the water at the rate of an ounce to four gallons, and the plants watered with this. Never water with nitrate when the roots are dry. Go over them first and thoroughly moisten them with clear water. Soot water is also excellent as a feed, made according to directions frequently given

in these columns, and a little scattered about the house mixed with an equal part of lime has also a good effect on the foliage.

Calceolarias.

If not already done, place the calceolarias in their flowering pots. These plants like a free, open compost of good loam, leaf mould, well dried cow manure and sharp sand. Drain the pots well as the roots are very impatient of stagnant moisture. The earliest batch may go into 9-inch or even 10-inch pots if large enough, later batches being given proportionately smaller pots. A very large shift is not desirable but the plants make a lot of growth at the last and should have good room. Great care is necessary with this last potting not to injure the leaves which, on well grown plants, will be close to the soil. Careless help must not be used here or much mischief results. No place is so good for the plants after potting as a cool frame or sunken house, where the heads come close to the light and where the temperature at night can be kept around 48° to 50°. A constantly cool and moist atmosphere, with plenty of air, is needed and only sufficient fire heat to keep the air moving and enable the grower to ventilate daily, especially in dull weather. If no such house or frame is at command stage the plants on a cool bottom of ashes or gravel on a bench as close to the light as possible and endeavor to imitate the above conditions. Just around now the plants often throw up flower spikes; take these out on sight and divert the energies of the plants to producing strong side growths. As these develop place a neat stake and tie to each, drawing them from the center a little, but carefully avoiding snapping them out. This treatment results in the fine spreading heads of flowers so much admired in these beautiful plants.

Plants in Small Pots.

Not only is there a distinct gain to the grower and shipper of pot plants when the pots are kept as small as possible, but the decorator finds his work much simplified. Nothing is more annoying than to have a fine palm or decorative plant in so large a pot that it will not fit into any reasonably sized vase or other receptacle, while decorative stock for the various devices, now so much used around the holidays, is worthless unless the pots are small, for sufficient to make a good display cannot be placed in these if the pots are large in comparison with the size of the plant. The point for the grower to study is how much the size of the pot can be cut down, by feeding the roots, and yet produce a well finished specimen, no matter what the variety may be. One of the greatest helps along this line is a good loam, a soil of a holding character that does not readily part with its moisture yet is not too adhesive or liable to bake and shrink from the side of the pot. Old fashioned gardeners often erred in making their composts too light. There is less risk of making it too heavy, provided, of course, that the man behind the watering can or hose can be depended upon. In a fairly heavy soil, well firmed in the pots, the roots take a good hold and will stand plenty of feeding so that fine, healthy foliage or flowers of good substance are produced, but no grower, however skilled, can produce a good plant in light, unsubstantial soil. Another aid is using broken bones over the drainage hole instead of crocks. By the time the roots get through the compost this far they are able to take hold of the bones, which are a great aid, and they will continue to assist the plant right along to the finishing stage. Chemical manures in the soil are easily overdone. They are good for the stronger rooting subjects, but it is better to leave them out than overdo them in the least. A point sometimes lost sight of in this connection is the power these manures have of breaking down the mechanical condition of the soil, rendering it close and difficult for roots to penetrate. Good, well dried cow manure on the other hand is not only a fine manurial stimulant but, for a time, long enough at least for the roots to obtain a good hold, it forms a real mechanical aid in keeping the soil open. Old, decayed cow manure, however, is not wanted. This is simply the shell that has held the nutriment. Gather the manure and dry it, over a slight heat if necessary, and it is there in a fit state for use without having parted with any of its manurial qualities. We have purposely avoided giving any specific instructions in this note as to separate plants; it is intended as a general hint to be used as circumstances dictate and more specific instructions will be given under the heading of the various plants.

Dahlia Cuttings.

Propagating Dahlias.

Under separate mail I send you a photo which clearly illustrates good dahlia cuttings. There seems to be a good deal of doubt among beginners how to get dahlia cuttings that would produce good tubers, that is, those with no tendency to come blind. Wherever one has a good stock to propagate from, the best way is to simply jerk the young shoots off as soon as of proper size. With a little experience they can be obtained just like those on the picture, which will make excellent stock. We generally throw away the first few cuttings produced, as they are too rank and do not root well. At first glance one would think this method produces but few cuttings; however, in practice, it will be found it is next to impossible to exhaust the roots. There is satisfaction in knowing that every young plant on hand will produce a fine root, against the chances of having grown a lot of fine bushes with nothing to carry over winter, which is often the result from stem cuttings. W.

CHRYSANTHEMUMS

American Varieties Grown in England.

Most of the articles written on this subject are penned at exhibition time, when the commercial or decorative sorts, as they are called, are given little attention. Taking the catalogues of two of the leading English chrysanthemum specialists, we find quite a number of American origin. While these comprise only a minor part of those listed, yet many of them have been introduced for many years, and must possess merit according to their requirements, or they would be discarded.

In the decorative section we find the following: L. Canning (Craig 1888), Ivory (Waterer 1889), Eldorado (Waterer 1891), White Clinton Chalfant; Clinton Chalfant is a yellow sport from Joseph H. White—(Hill 1892), and doubtless has reverted to the original, as the name implies. Niveus and Tuxedo (Smith 1893), Clinton Chalfant (Chalfant 1894), H. W. Rieman (Hill 1895), Agnes L. Dalskov (Pink Ivory), (Hausen 1896), Western King (Smith 1897), Harry A. Parr (Binder 1899), Nagoya (Smith 1889), Goldmine (Smith 1900), Golden Age (Smith 1904), M. F. Plant (Totty 1906). In the incurved section there are, Falstaff (May 1893), Major Bonnaffon (Dorner 1894), Mrs. W. C. Egan (Dorner 1893). Of the anemone varieties still offered, we find J. Thorpe, Jr. (Thorpe 1886), Gladys Spaulding (Spaulding 1888), Mrs. Judge Benedict (Spaulding 1889), Delaware (Pitcher & Manda 1891), Judge Hoitt (Hill 1893), Rider Haggard, disseminated in this country under the name of Mrs. F. Gorden Dexter (Pitcher & Manda 1894), Marcus Jones (Spaulding 1897), Zoriada (Smith 1899) F. J. Taggart (Smith 1903), is the only hairy variety mentioned.

In addition to the foregoing, there are several varieties imported from Japan and sent out in this country, which are still catalogued, such as, Louis Boehmer, Mrs. Alpheus Hardy, and W. H. Lincoln. Among the large flowering Japanese for exhibition use, Simplicity (Smith 1897), is the only sort found. None of the pompons originated in this country, appear in the English lists but we believe that most of these have not been tested on the other side.

In the back of Norman Davis' catalogue, varieties are mentioned for special purposes. Here we find, under the heading of "Hardy Garden Chrysanthemums" selected from all classes and types the sorts, Ivory, white and pink, and Harry A. Parr. In the 12 best for September and October flowering for pots and useful for cutting, Harry A. Parr. Among the 12 best November varieties for pots and cutting, are Ivory, white and pink; 18 for December and winter flowering, Tuxedo, Nagoya, Niveus, Western King, and L. Canning.

All varieties which flower with us after November 1, seem to be much later in England. For instance, A. J. Balfour, Dr. Enguehard, H. W. Rieman, Nagoya, Niveus and Morton F. Plant are mentioned as December flowering. ELMER D. SMITH.

ORCHID NOTES.

Notes in Season.

CATTLEYAS.

Now that orchid flowers are a recognized factor in commercial horticulture, the demand increasing each year, there are few progressive establishments that do not carry these plants in stock. The probabilities are, too, that the future will see rapid strides made both in the space devoted to orchids commercially and also by amateurs.

Cattleyas have always taken the lead here and cannot be surpassed for rich coloring, they are also the cheapest to buy and easiest to grow, and, judging by the importations promised the coming season, are as easily obtained as in the past; certainly they are promised in as large quantities as in old times. It is not intended at this time to treat on newly imported plants, this can wait until later on when they arrive, but the present is the best possible season of the year to attend to the needs of the established plants such as are in poor shape at the roots.

A cattleya should be repotted at least once in two years, in individual plants perhaps oftener, the intention being to give as often as needed material for the new roots to run into, rather anticipating this than being forced to it. Roots that are within the pot, pan, or basket, are always secure of moisture and this under modern intelligent cultural methods means food, which should always be present in the water applied. There is in this country no such time as a period of rest for cattleyas, and the quicker this is appreciated the better the success in their culture. The plants are always at work, either getting ready to bloom or recuperating after it; stint at any time shortens their lives. It is also the belief of the writer after 17 years culture of the same individual plants, many of which were years established when obtained, that some cattleyas may be induced to go on "from time into eternity" as a noted cultivator once said when asked this question. The whole truth should, however, be told, that others, say of the same batch of C. Trianæ or C. Mossiæ, will retrogress from the time they first begin to lose their old bulbs and no skill that can be applied will save them, they being constitutionally unfitted to withstand the vicissitudes of our indoor culture. The same also holds true of seedlings raised under glass; millions of germs perish before they are separable by the naked eye, but they start to grow, others pass on in the thalloid stage, and so on up to the flowering age and even here there are plants raised out of the same pod of seed that seem to hate to live. The great majority, however, attain rude health never enjoyed by imported plants.

TEMPERATURE.

The majority of cattleyas and also lælias are grown too warm in winter. We have proved that on cold zero nights, L. purpurata will grow vigorous and strong, even though the temperature falls below 50° several degrees, and this lælia is considered to need more heat than the cattleyas, coming as it does from Brazil. A maximum of 55° should be allowed in ordinary winter weather, dropping to 50° with strong fire heat, giving air when possible, and, in summer, leaving the ventilators open full at night with doors also open by day. The white Lælia anceps can be made to bloom as freely as the type by being placed outdoors all summer in partial shade, such as that of trees during midday, and all cattleyas indoors grow stouter with plenty of air and flower freely in consequence.

C. labiata will now be starting to grow and needs attention first of any. If the old material is decayed, remove it all for there will be no live roots among it, cut off all old leafless bulbs; they are no help but a decided hindrance for the growing end has to pump back vigor to them year after year if retained; indeed some clever and progressive cultivators retain three bulbs only back of the "business end," and while we are not yet converted to this, they are surely on the right track. The best medium for cattleyas to grow in is osmunda root fiber, and the same remark applies to all other orchids. We have seen the coming and going of many other materials, but our osmundas are now being exported to England in large quantities for orchid culture there, and now also the Belgians are converted to its use, and we used to send to Belgium for leaf mould—at least others did.

The use of sphagnum moss is not permissible, unless it will grow; the average hose water is death to it owing to the lime and iron present, and dead moss is most detrimental to healthy root action. Thus we see the material is simplicity itself—straight fern root. This should last four years before decaying. If sphagnum will live and thrive it is good practice to use it, furnishing an unfailing index as to the presence or absence of moisture and consequent need or otherwise. Firm potting is always desirable, pressing the material as firmly as possible around the plant. This obviates the danger of too much water being held in suspension to the exclusion of air at the roots. An inverted pot should always be used at the bottom, never a flat crock that will exclude air, and this remark leads to another, that all cattleyas do best when suspended; this has been proved many times, though suspension was first adopted in our case for the formation of a hospital for sick patients. They were beyond criticism because out of the line of vision, but they usually got well. Then difficult ones were given the privilege as well as those that were shy to bloom, and this worked well; then specially choice plants were suspended until most everything worth seeing was "out of sight."

It is the old story over again of more light needed, and add to this the better circulation of air and freedom from creeping pests, each root made being retained at least until it had performed its functions. Cattleya roots are pretty much of annual duration; lælias retain them for a longer period. Thus, at this time, before new roots commence to grow, see to it that good fresh material is ready to receive them. Water very carefully for a month or two, and if drip has saturated a plant remove to a safe place. We never tear the fiber to pieces before using, but chop it into cubes or triangles to fit the situation; nature put it together much better than we could do it. Use the dark fiber for the lower layer over drainage and the brown grade for the surfacing; the new roots take to it very kindly.

When C. labiata is repotted, C. Trianæ is usually out of bloom and may be attended to. We usually repot C. Mossiæ and C. Mendelii before blooming; they come in so late it would be wrong to disturb them, as the roots would all be active, get injured, and be an extra strain on the plants directly after blooming. The one cardinal principle is to repot all orchids when it can be done with the least injury to the roots, and the time is from now on to April 1. Seedlings and natural hybrids inherit a go-as-you-please way of living, making it essential to give them a shift when necessary, even if it be twice a year during their earlier progress; but after maturity, while they may bloom twice a year, it will be found that any necessary attention at the roots may be given during the early months of the year.

E. O. O.

CORYANTHES MACULATA.

Coryanthes Maculata.

Coryanthes maculata, meaning a spotted helmet, in reference to the helmet-like appendage, is commonly called the bucket orchid, owing to its peculiar shaped labellum. It is now in flower at the Missouri Botanical Garden, St. Louis. The genus were first described by Sir. W. J. Hooker. The species are all natives of tropical America and are dispersed over the vast territory that stretches from Santa Catherina in southern Brazil to Mexico, where they are found growing on branches of trees inhabiting the hot valleys or near the low-lying seashore, with their flower spikes pendulous and relying exclusively upon insects for their fertilization.

The genus requires considerable attention for successful cultivation. When imported plants are received they should be placed on moss in a warm house, taking care to choose a shady corner. After a few weeks, when the plants become established, they may be placed on blocks of wood or baskets, but on no account should pots be used for these plants because their flower spikes invariably penetrate through the bottom of the basket. The potting material should consist of equal parts of osmunda fiber and sphagnum moss with a little charcoal to keep the soil sweet. A plentiful supply of water should be given especially in the growing season. The plants grow admirably with us, suspended in the vanda house where there is a humid atmosphere.

The fertilization of this extraordinary genus is very interesting. Quoting Dr. Cruger's observation of Trinidad: "Large humble bees, noisy and quarrelsome, are attracted at first by smell of the flower, but the smell probably only gives notice to the insect; the substance they come for is the interior lining of the labellum, which they gnaw off with great industry. They may be seen in great numbers disputing with each other for a place on the edge of the hypochile. [I.] Partly by the contents, partly, perhaps, intoxicated by the matter they are indulging in, they tumble down in to the "bucket" (epichile) [II.] which is full of the fluid secreted by the horn-like organs at the base of the column. [III.] They then crawl along the anterior inner side of the "bucket" where there is a passage for them [IV.]. If one is early on the lookout, as these hymenoptera are early risers, one can see on every flower how fecundation is performed. The humble bee in forcing its way out of its involuntary bath has to exert itself considerably as the mouth of the epichile [A], and the face of the column [B], fit together exactly and are very stiff and elastic. The first bee that is immersed will have the gland of the pollen masses glued to its back. The insect that generally gets through the passage [IV] comes out with their peculiar appendage to return almost immediately to its feast when it is generally precipitated a second time into the bucket passing through the same aperture [IV] and so inserting the pollen masses into the stigma while it forces its way out and thereby impregnating either the same or some other flower. I have often seen this, and sometimes so many of these humble bees assembled that there is a continual procession of these through the passage specified." For convenience I have numbered the different parts of the flower so as to demonstrate the route of the humble bee.

The pseudo-bulbs are strongly ribbed and clustered and from three to five inches long, tapering upwards, bearing two lanceolate leaves 12 to 15 inches long. The flowers are of a dull brown with purple spots. The hypochile is of a bright yellow in some species according to the variety. The column is pure white. When the flowers first open, the sepals resemble a bat's wing, but in the course of a few hours they collapse as seen in the illustration. In my observation of the plant in flower at the garden the bucket is filled with the watery secretion when the flower first opens and is kept filled by the continual dripping of the hollow appendages from three to four days. G. H. P.

WREATH, BY JOHN MANGEL, CHICAGO.

Sunrise Roses and Asparagus Sprengeri over White Carnations.

THE RETAIL TRADE

Wreath by John Mangel, Chicago.

The wreath shown in the accompanying illustration by John Mangel, Chicago, was a very beautiful one, consisting of Sunrise roses over white carnations and arranged with Asparagus Sprengeri. The wreath is an excellent sample of the work carried out by this clever florist who has good ideas and carries them out well. Quite recently in this store we noted a lovely wreath of Enchantress carnations alone with a long trailing spray of violets on one side of the wreath. The upper portion had carnations standing well out and tastefully arranged with maiden-hair fern. Unfortunately there was no time to photograph this fine wreath which was one of the best we have seen for a long time, and typical of the bold and striking effects carried out here.

Fine Funeral Designs.

A truly remarkable exhibit of floral offerings was seen at the funeral of Assistant Fire Chief Kruger, of New York, at St. Thomas, P. E. Church, on February 16. The assistant chief was killed while in the discharge of his duty at a fire on Canal street on February 14. The various designs were executed from the best stocks to be found in the market. A wreath of flowers and the chief's cap were the only things on the coffin within the hearse. Two electric trucks draped in black carried great masses of flowers sent to the house. Among the tributes was a huge cross sent by the Baltimore fire department, a pillar of roses from the fire chiefs of Kings and Queens, wreaths from Commissioner Bonner, Mayor McClellan, the Liederkranz, the Short Hills, N. J., department, Col. Jacob Ruppert, Jr., and floral designs from every engine and truck company in the greater city.

Lenten Business in Chicago.

Experienced wholesalers and growers always look for a quiet time and superabundance of certain classes of stock around the first weeks in March, after which it usually improves, especially should Easter be early. This year, Easter falling late, it is difficult to forecast what will happen for the next few weeks but there is an optimistic feeling both among the wholesalers and retailers. Just now, with one or two notable exceptions, the better class stores are feeling the pinch worse than those who cater to a cheaper class of trade. Their rents and running expenses are high; they cannot afford to buy cheap stock as their customers always look for the best and such stock is always held at a good figure. Nor can they afford to offer "bargain" stock to the class of customers who are looking for it.

Still it is pleasing to note that in two, at least, of the leading Chicago stores, the early Lenten sales and the general business at the end of February have been away above the average and that, owing to reasonable prices in carnations of good quality, the profits have been better than usual. Funeral work has been the saving of many the last few weeks, using up a lot of stock that otherwise would have gone to waste. Bulbous stock, pot and cut flowers, is in most cases a drug and we shall be surprised if as much of this is grown next season. Regarding the pot stock many retailers are doubtless at fault in their methods of handling. A pot of hyacinths, tulips, lily of the valley or other flower cannot be called a very attractive object, nor are lines of them with their pots either showing or just hidden with crepe paper much better. To make such plants attractive they must be arranged in an attractive way either in baskets or some other devices. Though some attempts are made along this line really attractively shown bulb pot stock would be very difficult to find in this city, though the flowers are good and the plants excellently grown in every respect. There is room for attractively put up bulb stock without a doubt and the demand is likely to increase rather than decrease as the season advances.

Many of the less prominent stores and doorway florists are having an elegant time. A wrangle with the wholesaler in the morning seems to give a kind of fillip to the day's trade and after getting a few cents off their bill they return to work with an idea that their morning has not been wasted. The prices at which stock is marked up are ridiculously low, but doubtless this is, in a manner, a good thing for trade as a whole. People of moderate means who will not enter a florist's store in the ordinary way yet who love flowers are induced by the low figures at which they are marked up to purchase a few and the amount of stock sold at these low rates is enormous. It brings some kind of a price to the grower and is better than dumping it which would doubtless be the fate of much of it otherwise, especially at a time like the present when a facetious wholesaler was speaking of offering carnations in "carload lots, cheap to clear."

LEANING CROSS, BY JOHN MANGEL, CHICAGO.
Red Carnations and Asparagus Sprengeri over White Carnations.

WITH THE GROWERS

Wm. C. Blackman, Evansville, Ind.

The story of the growth of a florist's business is well told in the life of Wm. C. Blackman, senior member of the firm of the Wm. C. Blackman Floral Co., Evansville, Ind. Mr. Blackman was born in Mepal, Cambridgeshire, Eng., in 1837, and arrived in this country in July, 1856. In 1868 he started his present floral business, the first in this city, although J. D. Carmody's greenhouse, built in 1870, was the first of importance—with six greenhouse sash. Considering that the plant now includes 10 acres of ground and 75,000 feet of glass, the greater portion of it thoroughly up-to-date in structure and appointments, the growth of the business in a city with a present population of 75,000, is truly marvelous. Indicative of the progressive spirit of the firm, we noted a Morehead steam trap, installed some time ago. This device gives entire satisfaction.

Mr. Blackman's first lessons in floriculture were taken under Wm. G. Newitt, later of Grand boulevard, Chicago. The first greenhouses were built on borrowed capital bearing interest at the rate of eight per cent. From the outset Mr. Blackman enjoyed the confidence of everyone with whom he transacted business and that he merited this confidence is shown by the fact that the indebtedness was speedily cleared off. In his early efforts Mr. Blackman, himself a hard working and thoroughly conscientious man, was most ably assisted by a devoted wife, who died November 6, 1904. Mr. Blackman suffered paralysis of the limbs three years ago, but while no longer able to walk he enjoys excellent health and attends daily to much of the firm's business with the aid of his horse and buggy. Two sons are now his able lieutenants, Geo. H., as manager of the city store, and E. S., as superintendent at the greenhouses. In the third generation, Walter C., son of Geo. H., has charge of a very creditable section of carnations.

The greenhouses are situated on the outskirts of the city and a general line of greenhouse cut flower stock is grown. In addition to the regular city retail trade, a thriving business is done in shipping floral designs and cut flowers to points within 100 miles. Ten acres of ground have been added recently to supply soil and Mr. Blackman is considering the propriety of establishing a dairy farm which will yield needed manure, which is high in price here and difficult to secure. Good greenhouse coal (bituminous) can be had here at $1.90 per ton, delivered.

An extensive plot of peonies is cultivated and as the plants bloom early in this comparatively mild section, the returns from Chicago, to which city the flowers are shipped, are considered good.

Mr. Blackman is pardonably proud of the record that in all his 40 years' experience he or his firm have never lost $5 worth of stock by neglect.

That is the reward of keeping everlastingly at it.

Wietor Bros., Chicago.

Right now the most interesting sections of a large, modern greenhouse establishment are those devoted to carnations and the houses devoted to the day are being placed in sand and ultimately this season's plants will number at least 1,000,000, the majority of which will be sold to other growers in all parts of the country.

ESTABLISHMENT OF WM. BLACKMAN CO., EVANSVILLE, IND.
Partial View of Greenhouses.

bringing on of young stock. Wietor Bros.' place is typical and the excellent cultural conditions always maintained bring into prominent notice a few things not evidenced in many other ranges. For instance, Thos. Lawson carnation is already considered a back number. The management here also realizes that the blood of this best moneymaker of any carnation heretofore introduced is now becoming somewhat thin and that sooner or later it will have to be permanently retired. But, as seen at the present time at this place, Lawson has hardly been seen in any better form, color or other good quality. House after house is producing up to its best of other years and Lawson will be kept until another variety clearly supplants it; 43,000 plants is the number now grown and the same number will be benched this coming season. Rose Pink Enchantress, Aristocrat and Winsor share equal honors here, 5,000 each being grown. White Lawson is being propagated as heavily as possible and there will be 10,000 plants in the benches next season; the same number of White Perfection will be grown. A few White Enchantress will also be grown. About 5,000 each of White Cloud and Boston Market completes the list of whites.

Enchantress naturally continues to be a prime favorite and bench room for 25,000 plants will be accorded it. Victory is the red to which Wietor Bros. are partial; 5,000 plants are now in the benches and this number is to be just doubled. Two thousand Harlowarden concludes the list.

The roses have already set bud for a new crop. Enough are already coming in for present demands, but a very heavy crop is promised as soon as a few bright days come to fill out the buds. Interest now naturally centers in the young stock. Our illustration shows a part of the 150,000 plants that have been put into 2-inch pots. Wietor Bros. are no advocates of grafting tea roses and none are being grafted this year. Having for many years grown American Beauty so successfully it will be no surprise to learn that there are 60,000 young plants of this variety in soil. E. G. Hill's Rhea Reid (5,000 plants) and Robt. Scott & Son's Mrs. Jardine are the only novelties to be grown here this year.

Being famed as the world's largest chrysanthemum growers, the propagating benches for chrysanthemums attract all visitors. Upwards of 5,000 cuttings each

At John Scheepers & Co., New York.

The illustration herewith shows a fine batch of lily of the valley in a trial house at John Scheepers & Co.'s establishment, New York. This firm makes a distinct specialty of lily of the valley pips for the trade and owing to careful trials of the several strains from various German farms the experts know exactly which are best and most suitable for early or late forcing and for cold storage purposes and the firm is always in a position to supply the best and most suitable pips for every occasion. Scheepers & Co. strongly advise trade growers to buy the best and instance the fact of a large English grower, who annually handles 10,000,000 pips, often outbidding other firms in the open market to obtain only the best.

Then the re-selection that goes on after the pips come into the firm's hands is very rigid, in some cases only 10 per cent of the bulk turning out really first class stock. But after all, the best pays; less of such pips are needed than of poorer quality to produce a given number of fine flowers and it would doubtless be a good thing if less pips and of better quality were imported to this country. Where growers for the sake of a dollar or so per 1,000 buy and grow a poor grade of pips they have only themselves to thank if their crops turn out poor. Scheepers & Co. challenge the world as to quality. They handle only the very best and we can strongly advise growers who have had trouble in the past with their pips to give this noted firm a trial order.

LILY OF THE VALLEY TESTING HOUSE OF JOHN SCHEEPERS & CO., NEW YORK.

Soil and the Florist.

Synopsis of a paper read by L. C. Corbett, of the Bureau of Plant Industry, Washington, D. C., before the New York Florists' Club, March 9.

Natural soils do not answer the purpose of the florist and the greenhouseman. We cannot afford to take nature's product, because in few instances are we able to secure an ideal combination, strange as it may seem, for the particular crop with which we are dealing. Nature builds not for special purposes but for general purposes, hence when we specialize in the cultivation of a particular crop and place it under extreme conditions where great profit must be derived it requires other factors than those found in nature. In field practice as well as under glass, too little attention is given to ideal mechanical conditions of the soil. The mechanical condition of the soil determines, first, the water-holding capacity of the soil, and the water-holding capacity of the soil which is dependent upon the mechanical condition determines the availability of the plant food which the soil contains, provided of course the plant food is there in sufficient quantity. Other considerations are freedom from weeds, freedom from detrimental insects and germs of disease. By special methods in the handling and preparation of greenhouse soils, these requirements and difficulties can be largely attained or overcome as the case may be. The mechanical consistency of the soil can be produced by a proper combination of sand, of compost, leaf mold, peat, loam, and manure, depending upon the ideal to be attained. The available plant food can be supplied through the use of thoroughly decomposed manure, of nitrates, potash salts, and the phosphates. In general, however, it should be the aim to combine the ingredients entering into a compost several months in advance of the time when it is to be used in the greenhouse in order that nature may have opportunity to prepare the materials contained in it for use by the plant. In other words, the materials which are to be combined in the greenhouse soil should be thoroughly composted before they are used in the benches or in the pots.

SOIL BACTERIA.

Soil bacteria are of all classes, those which are beneficial and those

which are injurious to crops, to man and to animals, and it is fortunate that these are confined to the surface soil and that the water-bearing strata of the earth is comparatively free from them. In other words, the water of the soil drawn from a strata 10 or more feet below the surface is comparatively free from contamination by soil bacteria or surface bacteria, provided there is no surface drainage to it, hence the value of the deeper soil providing an uncongenial place for these organisms. In soils to which new supplies of organic matter are not frequently added these organisms after years of continuous action deplete the quantity of humus contained so that it has been found that the rich prairie soils when taken up for agricultural purposes may contain as high as 20 per cent of humus and after 20 years of cultivation this supply was reduced to 2 or 2½ per cent. An important function which these organisms play in cultivated soil is to bring the organic forms of nitrogen into forms

ESTABLISHMENT OF WIETOR BROS.. CHICAGO.
House of White Cloud Carnations.

available for plant use, which is that of nitrates. Without going into the discussion of the methods by which this is accomplished it is sufficient to say that these organisms thrive best in soils where there is an abundant supply of moist organic matter which does not become highly acid. The benefits from the use of lime, gypsum and other materials which correct acidity may largely be attributed to the benefit which they work upon these minute organisms in the soil.

The alkaline condition brought about by the application of lime and gypsum gives a more congenial home for the bacteria than do the acid conditions which are brought about by fermentation and decomposition. These bacteria work only upon the products of decomposition and fermentation and transform them into those forms of nitrogen which are available to plants. All of these steps are essential, but if one is excessive the other suffers in consequence. This operation of transforming the products of decomposition and combustion is called nitrification. If our compost heaps are made somewhat in advance of the period at which the soil is to be used in the greenhouse opportunity will be given for this digestive operation, which is carried on by the soil bacteria, to take place. Nitrification will take place, but in order that nitrification may go on it is essential that the compost heap be made not too deep and that it be kept moist rather than dry. Excessive heat is detrimental to their existence and causes a cessation of nitrification. Excessive cold operates in the same way. The height of the work is accomplished under July and August heat conditions with the normal moisture. Excessive moisture is quite as detrimental as lack of moisture so that attention should be given to the condition of the soil while it is in the compost heap in order to make an ideal greenhouse soil.

SOIL ANALYSIS.

Years ago it was thought that the chemists could supply us information concerning the composition of our soils and the requirements of the plant. True it is, he can analyze plant products and tell us of what they are composed; he can analyze the soils and tell us what they contain but his analysis is so far reaching that it does not tell us the relation which the constituents of the soil bear to the living organism—the plant. The fertility of the soil cannot be determined by chemical analysis. The plant alone is the only means of telling us what the soil contains so far as plant requirements are concerned. Mechanical analysis can tell us the fineness of the soil, the proportion of sand and of clay and of organic matter but it can go no further. For the ultimate analysis in which we are most interested we must constantly return to the plant and by noting its behavior, its growth and its color, determine from experience what the soil lacks in order that we may secure the growth desired.

As noted, the mechanical condition of the soil determines to very great extent its moisture holding properties, or in other words, its drainage. This is a very important consideration for upon the moisture content of the soil depends the soil solution which is the minute quantity of water which surrounds the soil particles and which carries in solution the plant foods. In many agricultural operations, including greenhouse work, proper moisture conditions for the plant determine more than any other factor the resultant crop, for if everything else is satisfactory, temperature, sunlight, food supply, and moisture alone lacking, none of these have any beneficial effects. In fact, as soon as the moisture supply is withheld the beneficent action of the sun becomes deleterious, the heat which we attempt to supply to stimulate growth becomes injurious and the large amount of available plant food in the soil, instead of proving a benefit becomes a factor of unrest. The temperature of the water, so long as it is above the freezing point, has no very marked influence upon the character or growth of the product. In fact, plants watered with water at 32° and those watered with water at a temperature of 70° show very little difference in the rate of growth, maturity or yield of product. The benefit which might be expected to come from the addition of warm water to the soil is only temporary. The temperature is only temporarily raised by the amount of water necessary for the requirements of the plant. When cold water is applied the temperature of the soil is for the time being slightly reduced, but it soon recovers its normal, and in the case of the use of very warm water the temperature is temporarily increased, but very quickly returns to the normal, whatever that may be, according to the

ESTABLISHMENT OF WIETOR BROS., CHICAGO.
Young Rose Plants in 2-inch Pots.

temperature at which the house is maintained, so that it has been found that the time and expense necessary in heating water for use on greenhouse crops is not justified.

SOIL STERILIZATION.

In those portions of the United States, where the soil does not freeze during the winter months, or freezes only slightly, low organisms, called nematodes, are able to maintain themselves in the soil throughout the winter. Under such environments these organisms have become parasites upon a great variety of plants and interfere seriously with the commercial cultivation of many crops throughout the southern portion of the United States, and in other sections where winter conditions of the character above described prevail. These little eel worms, by attacking the tissue of the roots of the plants, cause galls or enlargements to appear upon the roots and the normal function of the root is interfered with. In the open there is no satisfactory way of combating these organisms except in the development of resistant strains of plants. On small areas it is possible to add materials which are more or less effective in the control of these organisms, and in some instances it is possible to sterilize the soil by means of heat, but on large commercial areas this is a different question. In greenhouses, however, the problem is quite different. As has been noted the soil is prepared artificially and the question of keeping it free from nematodes is much more easily handled than in field practices. It has been determined that by freezing the soil in which nematodes were abundant they could be destroyed and a clean crop then grown in the same soil, but as not all the soil which is used in the greenhouse can be annually frozen, the idea of sterilizing the soil by heat took hold upon the growers and has been practiced with good results. The first idea was to sterilize the soil by heating it over an open fire in a shallow pan. This is effective for sand to be used in propagating beds and for sand to be scattered upon the surface of seed pans and flats where germinating seeds or spores are to be handled.

This practice is, however, almost abandoned for the seeming better one of sterilizing the soil by the use of live steam. This work can be done either upon the benches when proper provision for doing the same has been provided, or it can be accomplished by means of a specially constructed sterilizing box. If the work is to be done upon the benches it can be accomplished by the use of drain tile laid at intervals lengthwise or crosswise of the benches and provided with an opening through which a pressure hose carrying live steam can be inserted. The steam passes through the tile and out into the soil, heating it to a sufficiently high degree to destroy these organisms. One difficulty with this method is that it requires a large amount of steam and it is not easy to cover the bed so as to hold the temperature in the surface soil at the same point that it is in the deeper layers. It has this advantage, that it does not necessitate the removal of the soil, but in ordinary greenhouse practice where raised beds are used and the soil is annually removed, this advantage is of little consequence.

STERILIZING BOXES.

The specially constructed sterilizing box is undoubtedly the most satisfactory system of soil sterilization. The boxes, of which there should be two, can be constructed of such size as to enable the operation of filling and emptying to go on simultaneously; that is, while one is being sterilized the other can be emptied and refilled so that while the soil in one box is becoming thoroughly cooked the other will be ready for the admission of the steam. In the construction of boxes different plans have been followed and those best suited to the particular conditions will of course be adopted by the grower. In general, however, a box 2½ feet deep, 6 feet wide, and 12 to 16 feet in length will be found satisfactory. The steam can be admitted either through drain tiles laid in the bottom of the box, or perhaps better through 1½-inch pipes perforated 6

F. H. Kramer.
President-elect Washington Florists' Club.

inches apart, with 3/16-inch holes. The holes in the pipes should all be made along one side and in line and when the pipes are placed in the manifold from which the steam is to be drawn the orifices should all look down; the pipes being arranged at intervals sufficiently wide apart to admit of the use of a standard size shovel or spade between, and the rows about 1 or 1½ inches from the bottom of the box. The object in placing the holes downward is to prevent them becoming clogged by earth packed about the pipes. The customary method of determining the point to which sterilization should be carried is to place a medium size potato in the surface two inches of the soil and when it has become cooked by the heating the soil is considered to be sufficiently sterilized.

High pressure steam is more effective than low pressure steam for this work and the conditions usually recommended are 40 to 60 pounds pressure which gives a drier steam and does the cooking more rapidly than does low pressure. These organisms are of a low order and like all low forms of life multiply very rapidly. It, therefore, requires but a small number of nematodes to be introduced into a bench or greenhouse to thoroughly infest the entire bench or house. If it is found that the plant is infested by these enemies the precaution should be taken to not only sterilize the growing soil; but the potting soil and the sand in the propagating bench, as well, should all be thoroughly sterilized. If any one of these steps is omitted it becomes an easy matter for the nematodes to be introduced either from the sand adhering to the roots of the plants when they are transferred from the propagating bench, or through the soil used in the first handling before the rooted cuttings are finally transferred to the field or growing bench. It is necessary in the latitude of New York to make compost heaps that are to be exposed in this way not more than 12 or 15 inches in depth and 10 inches would be better.

There is an objection to this: if the heaps are exposed to the weather more leaching takes place than in deeper and more compact heaps so that it is undoubtedly a wise plan to follow the customary system of composting to make sure of freedom from nematodes by the use of steam fertilization. This of course can be carried on quite economically in greenhouses heated by steam, but where a supplemental boiler must be provided in order to secure steam at proper pressure a very considerable item of expense will be incurred. There is, however, an added advantage in sterilizing the soil over that of mere freedom from nematodes, weeds, and disease germs, all of which, or a large percentage of which, are destroyed by sterilization. Sterilized soil when steam is employed has been observed to produce a more luxuriant growth than similar soil not so treated. The process of sterilization seems to hasten the liberation of plant foods and to render the physical condition of the soil better than that not so treated. In a great majority of cases the natural processes are beneficial. Only when they become excessive in some particular, do they delay or interfere with the preparation and liberation of plant food. The grower should be on the alert to take advantage of every opportunity offered him to supplement and to stimulate the work of nature for his own benefit.

Frederick H. Kramer.

Frederick H. Kramer, president of the Florists' Club of Washington, was born at Alexandria, Va., 41 years ago. His parents were natives of Germany, and possessed that spirit of industry and thrift which is characteristic of the fatherland. Fred, as he is generally spoken of by his intimates, learned the cigar-making trade and worked at it for eight years. At the expiration of that time he went into the florist business in a small way in his home city of Alexandria. He, however, longed for a wide field and leaving the business he had worked up with his parents, went to Washington and secured employment with Nicholas Studer at $8 per month, with board. After several years with Mr. Studer he bought several greenhouses from A. Gude & Bro., and has since made additions till he now has over 50,000 square feet of glass. In addition, he conducts a store at 916 F street, N. W., and has stalls in Center Market. He is a successful grower of roses, chrysanthemums and other stocks and is an energetic salesman. Mr. Kramer is an enthusiastic sportsman and was chairman of the committee on ladies' bowling for the S. A. F. convention tournament in 1905. About five years ago he gave a handsome silver cup to be contested for jointly by the Philadelphia, Baltimore and Washington teams. At a meeting of the florists' club, July 24, 1905, he presented another silver cup to be contested for by the teams

at the convention. He is a member of the Masonic and Knights of Pythias fraternities, and on the reorganization of the Washington Florists' Club, over three years ago, was elected vice-president.

American Rose Society.

SPECIAL PREMIUMS AT CHICAGO.

For 50 blooms American Beauty Rose, the American Rose Society's prize.—$50; $25.

For display of cut roses, all varieties.—The Dorrance challenge prize, valued at $250, offered by Benjamin Dorrance; the winner to hold the prize a year and on relinquishing it to the society for another competition at the end of that period to receive a silver shield suitably engraved, as a permanent record of his having held the prize. The names of the winners will be engraved consecutively on the prize.

For outdoor roses in bloom, in pots.—First prize, by Philip Breitmeyer, of Detroit, $200 cash; also $100 cash for second prize, by Arthur T. Boddington, of New York. Exhibits to consist of 150 plants, not more than five plants of one variety; each to be correctly labeled, but may include all types and classes suitable for outdoor planting.

For best vase of Richmond, not less than 100 flowers.—By E. G. Hill Co., Richmond, Ind., $50 in gold.

For 50 blooms of any variety of American origin now in commerce.—Silver cup, value $25, offered by Alexander Montgomery, Natick, Mass.

For the largest and most varied collection of cut roses of all classes, one or more blooms in a vase, the variety to count 65 points.—Silver cup or $25 in gold, offered by W. A. Manda, South Orange, N. J.

For 25 blooms La Detroit.—Prize of $25, offered by John Breitmeyer's Sons, Detroit, Mich.

For the vase of roses showing the most artistic arrangement in the exhibition.—Prize of $25, offered by Welch Bros., Boston, Mass.

For the most beautiful exhibit in the hall; each lady visiting the show to cast a vote on leaving the hall and the exhibit receiving the largest number of votes to receive the prize.—Twenty dollars offered by Miss M. I. Hammond, Fishkill-on-Hudson, N. Y.

For 100 blooms of Killarney, $50 is offered by Robert Simpson, Clifton, N. J.

For 50 blooms of Liberty, $25 is offered by Adolph Farenwald, Hillside, Pa.

For 50 blooms of Killarney, $25 is offered by Dingee & Conard Co., West Grove, Pa.

For 50 blooms of Bridesmaid, $25 is offered by Traendley & Schenck, New York.

For 50 blooms of Bride, $25 is offered by Emil Buettner, Park Ridge, Ill.

For 50 blooms of Liberty, $25 is offered by the John Davis Co., Chicago.

For 50 blooms of Kaiserin Augusta Victoria, $25 is offered by The Globe Coal Co., Chicago.

For 50 blooms of Golden Gate, $25 is offered by J. A. Budlong, Chicago.

For 50 blooms of Ivory, $25 is offered by J. F. Wilcox, Council Bluffs, Ia.

For the best 100 blooms of pink roses in the show, $50 is offered by Poehlmann Bros. Co., Chicago.

For 50 blooms of red roses, Richmond and American Beauty excluded, $25 is offered by Poehlmann Bros. Co., Chicago.

For 100 blooms of Richmond, $50 is offered by Poehlmann Bros. Co., Chicago.

For 100 blooms of Kate Moulton, $25 is offered by Wietor Bros., Chicago, as first prize; $25 is offered by Geo. Reinberg, Chicago, as second prize.

For 100 blooms of Uncle John, $25 is offered by Wietor Bros., Chicago.

For 100 blooms of Mme. A. Chatenay, a silver cup, value $25, is offered by Vaughan's Seed Store, Chicago.

For 50 blooms of American Beauty, $50 is offered by The Mogg Coal Co., Chicago.

For 100 blooms of Bride, $25 is offered by The Pulverized Manure Co., Chicago.

For 100 blooms of Sunrise, $25 is offered by The Florists' Review, Chicago.

For the 25 blooms of Bridesmaid exhibited by growers with less than 50,000 square feet of glass, $25 is offered by Bassett & Washburn, Chicago.

For 25 blooms of Bride exhibited by growers with less than 50,000 square feet of glass, $25 is offered by Bassett & Washburn, Chicago.

For 100 blooms of Mrs. Potter Palmer, $50 is offered by S. Freeman & Sons, Chicago.

For the best new rose not in commerce and never exhibited before the American Rose Society—vase to contain not less than 12 and not more than 25 blooms.—Silver cup, value $25, offered by F. R. Pierson Co., Tarrytown, N. Y.

For 50 blooms of American Beauty.—Cyclopedia of American Horticulture by Prof. L. H. Bailey, value $30, offered by THE AMERICAN FLORIST Co., Chicago.

For 25 blooms of pink roses not disseminated prior to 1908.—Silver cup, value $15, offered by J. B. Deamud Co., Chicago.

For 25 blooms of Bridesmaid, $10 is offered by Geo. Keller & Son, flower pot

For 25 blooms of Richmond, $10 is offered by Geo. Keller & Son, flower pot manufacturers, Chicago.

For 25 blooms of Sunrise, $10 is offered by Leonard Kill, Chicago.

For 25 blooms of Uncle John, $10 is offered by F. R. Newbold, New York.

For 25 blooms of Killarney, $10 is offered by Kroeschell Bros. Co., Chicago.

For 25 blooms of Bride, $10 is offered by A. Dietsch Co., Chicago.

For 50 blooms of Mme. A. Chatenay, $10 is offered by Weiland & Olinger, New Castle, Ind.

For 50 blooms of American Beauty, two tons of florist bone are offered by Darling & Co., Chicago.

For 12 named varieties, of hybrid perpetuals in pots, $10 is offered by Kroeschell Bros. Co., Chicago.

For 25 blooms of Killarney, $10 is offered by Holten & Hunkel, Milwaukee, Wis.

For the best exhibit of cut roses, four varieties, 12 blooms of each variety, open to private gardeners only, $25 is offered by Harry O. May, Summit, N. J.

For the best 200 lily of the valley, $10 is offered by H. N. Bruns, Chicago, as first prize; $8 is offered by Poehlmann Bros. Co., Chicago, as second prize.

For 50 roses never before exhibited for competition, Heller Bros., New Castle, Ind., offer a silver cup, value $20.

Crane & Co., Jefferson street, Chicago, offer $100, the disposition of this being left to the executive.

A. L. Randall Co., Chicago, offers $10, the disposition of this being left open.

The above prizes are in addition to those already published and we look for still further additions.

BENJAMIN HAMMOND, Sec'y.

To be Done Now.

IN THE GREENHOUSES.

Avoid over-watering Chinese primulas. Keep the atmosphere fairly moist except in dull weather or where seed sowing is in progress.

Watch the seeds that are covered up and see the covering is not left on after germination has begun.

Look under the leaves of cyclamens and other plants for insects as well as on top.

Never cut back geraniums to the hard wood after the plants commence growth in spring if this can be avoided.

Pinch the young fuchsias frequently if bush plants are needed. For pyramid or naturally grown plants take the flower buds only and never pinch the growth.

Let the asparagus benches dry out well occasionally. It will not harm the plants, but will greatly help the roots.

Where hot water is used see that the fires are not driven hard on bright mornings even though the temperature may be low.

Thin the shoots a little on tuberous rooted begonias, gloxinias, gesneras and other bulbous plants of this nature.

Do not allow young carnations to get hard in the small pots. If the benches are not ready give them a small shift into larger pots.

IN THE STORE.

When using ribbon in connection with flowers see to it that it either matches in color or is a good contrast.

Plants of Azalea mollis, with their bright, yet soft colored flowers are excellent for associating with bulb stock in the windows.

Boxes that fall open when the cover is removed, showing a bunch of violets or other choice flowers, have been good sellers.

When decorating large halls or rooms always use flowers and foliage of a bold character. Large numbers of smaller flowers or foliage have not such a good effect.

OBITUARY.

L. D. Robinson.

L. D. Robinson, of Springfield, Mass., and a former member of the legislature died suddenly, February 26, at his home, 175 North Main street, of heart failure, following grip. His death was entirely unexpected, though he had been ill for some time and had lately been confined to his room. He was taken with the grip about four weeks before his death and later erysipelas developed. Death came as Mr. Robinson sat up in bed. He fainted and did not again recover consciousness.

Richard C. Carroll.

Richard C. Carroll, for 19 years superintendent of horticulture at the State Agricultural School, Hamline, Minn., died at his home, 1315 Cleveland avenue north, St. Paul, February 26. His associates at the college declare the results of his years of constant endeavor to multiply and develop the rare and beautiful flowers had its effect in leaving the reflection upon the beauty of his nature. They say he loved all that was beautiful in the world, and was never so happy as when surrounded by sunshine and the fragrant buds and blossoms that he loved so well. His work was fully appreciated by the faculty of the college, many of whom accompanied the body to Lake City.

Robert B. Lenchars.

Robt. B. Lenchars, founder of the Burns memorial fund and first president of the Burns memoral association, died March 3 at his home in Brookline, Mass., following a prolonged illness. He was 85 years old and had lived in Boston and its vicinity about 50 years. Mr. Lenchars was at one time an expert landscape gardener and following his retirement about 25 years ago became well known for his prolific writings on matters pertaining to horticulture, floriculture and arboriculture. In his earlier days. Mr. Lenchars laid out a large number of private parks in New York state. His services were in great demand and he frequently worked for prominent families along the Hudson river. He served his apprenticeship with his father in Scotland, was later bound out to another gardener and still later did work on some of the finest estates in England.

THE AMERICAN FLORIST

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MAVOURNEEN is one of the names that has been suggested for the rose White Killarney. We approve of this name or any name that has distinction and no incumbrance. The practice has grown of late years, of calling plants or flowers by their color, White Lawson, Red Lawson, etc., and these names are to be condemned, because of the confusion and expense (telegraphic) which arises from their use.

THE National Sweet Pea Society of England will hold its annual show in London July 24.

WHAT will happen to Rhinebeck growers if this connection between violets and the divorce court keeps up?

MULTIFLORUM LILIES show a greater disposition to give way at the tips of the leaves than other varieties.

WHITE PERFECTION is perhaps the most sought for white carnation today and in the opinion of some growers young stock is worth more money than is being asked for it.

ROBT. CAMERON, of the Harvard Botanic Garden, in a recent address said that annuals are the poor men's plants and give more pleasure, are cheaper and easier to grow than any other class of plants.

CARDINAL is a superb rose without doubt. The fine flowers, produced on long vigorous stems, and deep green, handsome foliage that are now being sent to the Chicago market are about the high water mark of rose stock.

COMPRESSED AIR as a means of getting rid of the old leaves at this time on American Beauty roses is being used in one of the large growing plants near Chicago. The air is forced through the water service pipes and the hose attached in the usual way to the faucets.

THE St. Louis Horticultural Society is out with its first bulletin, a business-like looking little booklet of 16 pages, setting forth the aims of the society and giving concise instructions to home makers and gardeners, followed by a planting table for flowers, vines, trees and shrubs and plans of a 100-foot city lot, treated in various ways. The spring show of this society is in progress this week and a report of it will be found elsewhere in this issue.

The Argentine Ant.

ED. AMERICAN FLORIST:—

I wish to call the attention of your readers, and particularly that of all florists and nurserymen in the southern states, to the danger which threatens their business in the introduction of the Argentine ant. This insect has already become established at New Orleans and vicinity and while it is not known how far north it will thrive in the open air, it certainly is greatly to be feared as a pest in northern greenhouses. It is very injurious to many cultivated flowers and ornamentals, destroying the calyces, while in the south it threatens the fruit growing industry as it feeds upon fruit buds as well as fruit.

The Argentine ant is also a fearful pest in the household, and indirectly favors the development of many species of coccidæ and aphididæ. Its dissemination in shipments of groceries, foodstuffs and household goods cannot well be prevented, but precaution should be taken against its introduction in greenhouse plants and nursery stock. It is reported upon reliable authority that in many greenhouses in the infested region every plant has more or less of the ants upon it, and serious losses may result if greenhouse plants are purchased in New Orleans or vicinity.

L. R. TAFT.

Agricultural College, Mich., March 6, 1908.

Dutch Bulb Growing at Bellingham, Wash.

Various reports, some of them misleading and all more or less inaccurate, have been circulated by the Bellingham chamber of commerce, and newspapers of that locality, respecting the establishment by the government of bulb farms there. We are indebted to Dr. B. T. Galloway, chief of the Bureau of Plant Industry, Washington, D C., for the accompanying letter which shows exactly what has been done in the matter and what the prospects are:

ED. AMERICAN FLORIST:—

This department has for a number of years been trying to determine where the various classes of bulbs can be commercially produced in this country. Our results show that Holland bulbs seem to be best adapted to the Puget Sound region in the state of Washington, although very good results have been secured as far east as Spokane. We have experimental work going on at Spokane, Bellingham, and Tacoma. It is our plan at present to do some special propagating work at Bellingham on a bulb farm furnished to us by the citizens for the purpose. It will be leased by the government at a nominal rental for a period of 10 years for work in experimental bulb and seed culture.

While we believe this region to be well adapted to the culture of hyacinths and tulips and perhaps some other classes of Dutch bulbs, we have not said and do not expect that "it will within a short time become the center of the bulb industry of the world." The methods of culture must be modified if possible, so as to demand less labor, which is not at present available on the Pacific coast. More machinery must be used; transportation rates must be lowered; a class of men experienced in bulb culture must be developed. It is an industry which requires intelligence and skill, which can only be gained by experience. Even if we can demonstrate that the bulbs can be profitably grown in this territory, it will be some time before the section will supply the bulb markets of even the western portion of the United States. B. T. GALLOWAY.

Meetings Next Week.

Boston, Mass., March 17.—Gardeners' and Florists' Club of Boston,

Boston, Mass., March 21, 11 a. m.—Massachusetts Horticultural Society, Horticultural Hall, 300 Massachusetts avenue, spring show.

Des Moines, Ia., March 17, 8 p. m.—Des Moines Florists' Club,

Detroit, Mich., March 17, 8 p. m.—Detroit Florists' Club, 38 Broadway.

Grand Rapids, Mich., March 16.—Grand Rapids Gardeners' and Florists' Club, Board of Trade rooms, Pearl street.

Hamilton, Ont., March 17, 8 p. m.—Hamilton Gardeners' and Florists, Club, office of member.

Lake Geneva, Wis., March 21, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, News building.

Montreal, Que., March 16.—Montreal Gardeners' and Florists' Club, Alexandria rooms, 404 St. Catherine street,

New Orleans, La., March 19, 8 p. m.—New Orleans Horticultural Society, 125 St. Charles street.

Providence, R. I., March 16, 8 p. m.—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street.

Salt Lake City, Utah, March 18.—Salt Lake Florists' Club, Huddart Floral Co., 114 East Second South street.

San Francisco, Cal., March 21.—Pacific Coast Horticultural Society.

Seattle, Wash., March 17.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia

Toronto, March 17, 8 p. m.—Toronto Gardeners' and Florists' Association, St. George's hall, Elm street.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Every paid subscriber to the AMERICAN FLORIST for the year 1908 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—On private place as general gardener, age 35, married, lifetime experience; good references.
Key 465, care American Florist.

Situation Wanted—By young German; good designer and decorator, steady and reliable, good references. J. S., care American Florist.
1133 Broadway N. Y.

Situation Wanted—As foreman or assistant on good private place; good experience in cut flowers fruit and general stock. Address
Box 744, Mamaroneck, N. Y.

Situation Wanted—By florist with 15 years experience growing roses, carnations and general stock; age 30; please state wages.
Key 455, care American Florist.

Situation Wanted—As rose, carnation, 'mum and violet grower by youeg married man; no children; state wages; good reference. Address
Key 457, care American Florist.

Situation Wanted—Single man, good grower of roses, carnations and general stock; honest and sober; wants position on retail place; able to take charge. Key 472, care American Florist.

Situation Wanted—By expert rose grower on place where first-class stock is wanted; best of references; near Chicago is preferred; good wages expected. Key 469, care American Florist.

Situation Wanted—By practical florist; single strictly sober; 12 years' experience as grower, decorater and designer; Chicago; retail place preferred; state wages.
Key 468, care American Florist.

Situation Wanted—First-class rose gower. 10 years' experience with wholesale and retail establishments; married; at liberty after April first. CHAS. WAKELING CHATOGUE GREENHOUSES, Mobile, Ala.

Situation Wanted—By thorough practical grower, competent in all branches 16 years, experience best references as to capability and respectibility, married.
Key 467, care American Florist.

Situation Wanted—By orchid grower; 15 years' experience in first-class private and tradeestablishments in England; seedling growing a specialty; please state wages.
Key 447, care American Florist.

Situation Wanted—By German Gardener, 17 years' experience five in this country: understands everything to be done in a greenhouse and can take charge of small place; 30 years old.
Address FLORIST, 24 Walnut St., Shelby, O.

Situation Wanted—As foreman or manager of large commercial place where roses are grown as a specialty for cut flowers; experienced also in other lines; first class references
J., care of The Nebraska Seed Co.,
1613 Howard St., Omaha, Neb.

Situation Wanted—Thoroughly experienced, middle aged grower of all kinds of cut flowers and general line of plants and nursery stock wants situation, commercial or private, with glass, or institution; best references.
Key 471, care American Florist.

Situation Wanted—As head gardener on public place or private estate; also able to take full charge of commercial establishment; am a thoroughly competent grower, florist and landscape gardener; middle age, no family.
Key 452, care American Florist.

Situation Wanted—By a young married man as foreman and grower of carnations, 'mums, violets and general stock: 8 years' experience, best of references; will be at liberty June 1st. New York, Penna., or Md preferred. Address
Key 466, care American Florist.

Situation Wanted—By a thoroughly reliable florist experienced in growing first-class cut flowers and plants, and store management; sober, attentive to business and trustworthy in every respect, successful manager of help, best of references, age 31, married.
Key 470, care American Florist.

Situation Wanted—As responsible florist; thoroughly understands the management of private estates; 12 years' experience in public institutions; life experience in greenhouse flowers and vegetables; first class carnation and rose grower; strictly temperate; Ameican; married, small family; best of references; state full particulars in first letter.
Key 458, care American Florist.

Situation Wanted—Working foreman and manager 36 years of age, German, single, hustler, strictly sober and intelligent, 22 years' practical experience in roses, carnations, ferns, 'mums, violets, bulbs, bedding plants, Xmas and Easter plants, design decorating, landscape; first class references; disengaged April 1st or later; good wages expected. Address
Key 473, care American Florist.

Situation Wanted—Young German florist, single, 14 years' experience in all kinds of pot plants, especially cyclamen and ferns; held a responsible position in a large Eastern establishment for the last two years wants a position in an up-to-date commercial place, with chance for advancement; also experienced in cut flower and landscape.
FLORIST, 161 Bergenline Ave., Union Hill, N. J.

Help Wanted—Competent rose and carnation grower. Send full particulars at once.
Key 464, care American Florist.

Help Wanted—A man to work in rose section, also two men for general greenhouse work; state wages without board. Address
Key 340, care American Florist.

Help Wanted—By April 1st, young man, single, as assistant on private place, $35.00 per month, board and room; 28 miles from Chicago.
Address, J. W. S. Box 61 Lake Forest, Ill.

Help Wanted—Single all around man at once for private place, must understand vegetables also help in greenhouses; steady place, apply stating wages including board and room.
C. J. REARDON, Box 498, Hinsdale, Ill.

Help Wanted—First man to grow bedding plants bulb stock and chrysanthemums; good potter and planter; steady place good wages for sober, industrious man. CASSIDY & SONS,
Calvary Cemetery, Greenpoint Ave.,
Long Island City, N. Y.

Help Wanted—A good grower of carnations and bedding plants; must understand his business; steady place for the right man; German preferred. Address R. O. LOMMATZSCH,
Hillside near Oak Ridge Cemetery,
P. O. La Grange, Ill., R. F. D. No. 1.

Help Wanted—Experienced gardener for private place; no greenhouse; must have knowledge of trees, shrubs and perennials; must be good worker; permanent position at $60.00 per month.
MEHL & MUSKOFF,
23 Euclid Building, St. Louis, Mo.

Help Wanted—Neat, single man to care for greenhouses in rear of store; must have good knowledge of plants, and able to intelligently meet customers when necessary; permanent position with future to right man; salary $60.00 per month. WASHINGTON FLORISTS Co.,
13th and F Sts., Washington, D. C.

For Sale—Do you want to go west and coin money in the greenhouse and florist business? Capital required, $3 000; can be cleared every year. IRA B. STURGES, Baker City, Ore.

For Rent—In one of the busiest sections of New York a very desirable room for a small flower shop and stand; rent very reasonable.
Address, S. & S., care American Florist.
1133 Broadway, N. Y.

For Sale—20,000 square feet of glass, well stocked; three acres of ground; six-room house; all modern, in good condition, and a money-making place in best city of Indiana; $4,500 required. Details to parties meaning business.
Key 427, care American Florist.

For Sale—Greenhouses and stock; about 20,000 feet of glass, well stocked with all kinds of bedding plants, ferns, palms and cut flowers; for terms inquire of Mrs Hugo Book, College street, Worcester, Mass., or L. Midgley, Worcester Conservatories, Worcester, Mass.

For Sale—A retail florist business consisting of 4500 feet of glass well stocked, store building with living rooms above; on 2 lots 44x136 feet located in the heart of a residence city; county seat of 10,000 inhabitants less than 50 miles from Chicago with good surrounding towns. Address
Key 434, care American Florist.

For Sale—A retail florist business, 5 greenhouses, about 5000 feet of glass, store barn, 8 room house, lot 100 feet front, over 200 feet deep, located in fine neighborhood; a good opportunity for two young men who understand the business with small capital to start; good reason for selling; party must have $5 000, balance to suit purchaser.
G. F. THRUN, 8707 Cedar Ave., Cleveland, O.

For Sale—A large modern and successful florist establishment, the oldest established in the city, carrying a complete line of cut flowers potted plants, seeds, poultry supplies, etc. This place must be seen to be appreciated, and under proper management, is a money maker. Will be sold at a price that is right. For further information address C. EDWIN OYSTER,
507-8 Dollar Bank Bldg., Youngstown, Ohio.

To Lease or Run on Shares.

The owner of a small nursery and well stocked greenhouse and flower shop now doing business in Northampton; will make a liberal business offer (based on lease or shares) with an enterprising nurseryman and florist of training and experience. Apply to the
Home-Culture Clubs, Labor Exchange,
Northampton, Mass.

For Lease.

A prominent corner on Madison Street in Austin; 100 feet on Madison Street by 140 feet in depth.

J. J. HAYES, 303 Dearborn St., **Chicago.**

WANTED.....

Position as Manager or Superintendent of Pea and Bean growing or responsible position in Garden Seed Department. Am thoroughly experienced and competent:

E. L, OLMSTED, Petoskey, Mich.

To Growers.

We want a good grower of carnations and roses and will pay a good salary to the right man. We prefer one who has had some experience in the South, although this is not absolutely essential. State age and give full particulars of previous employment. Address

Key 460, care American Florist.

Store Man Wanted.

The advertiser wants a good man who can attend to general store work and decorating and also grow palms, ferns and like decorative stock. He must be an experienced packer of cut flowers for shipping. Give references and experience.

Key 459, care American Florist.

Wanted.

A man to grow lettuce, onions and celery for a stock company at Shiocton, Wis., for an assured market; house furished and good wages guaranteed to a hustler. Apply giving reference to
JOHN TIPLADY, Lake Geneva, Wis.

Help Wanted.

Onion set grower wanted in the west. Will give right man good opening.

Key 453, care American Florist.

A Undeveloped Gold Mine at a Bargain.

A snap for a live practical florist having a small amount of cash capital; my greenhouse plant and residence is offered for the next 60 days at a sacrifice; it is well located in the best city of its size in Michigan, having 14 profitable tributary towns and only one other greenhouse within 30 miles; first-class cut flower and plant business. Write for particulars.

A. W. TWEEDIE, Cadillac, Mich.

Wanted....

First-class Store Man. Must be competent decorator and thoroughly capable designer. This is a good opening for the right party. With full particulars Address

Key 461, care American Florist;

Roses Enough for All.

New cuts now coming on of Fancy **KILLARNEY** and **RICHMOND.** Other Roses in good supply.

Carnations also in good supply. We grow our own **Lily of the Valley, Fancy Mignonette, Freesias, Tulips, Daffodils,** and all other seasonable flowers. **Green Goods** a specialty. All at market prices day of shipment.

Poehlmann Bros. Co. Office and Salesroom 33-35-37 Randolph St. Long Distance Phone Randolph 35. **Chicago.**

HENRY M. ROBINSON & CO., Wholesale Commission Florists. Hardy Cut Evergreens and Florists' Supplies.

BRONZE GALAX, best quality...$8.50 per case, 10,000 **GREEN GALAX** best quality...$7.50 per case, 10,000
DAGGER AND FANCY FERNS.....$1.50 per 1000

Laurel Festooning, Boxwood, Southern Wild Smilax, Sphagnum and Green Moss, Leucothoe Sprays, etc.

15 Province St. and 9 Chapman Place, BOSTON, MASS.

St. Louis.

BUSINESS DULL.

The week just ended, the first of the Lenten season, proved to be a very dull one. All kinds of flowers are now coming in. Roses and carnations are very plentiful, and prices are, therefore, down. Long stemmed American Beauty roses seem to be scarce. Lilies and bulbous stock are plentiful. Good fancy ferns are now bringing $3 per 1,000. Violets have been very plentiful and sell from 75 cents to $1.50 per 1,000. The blooms are daily becoming smaller, and it is only a question of a little time and they will be done for this season. Sweet peas are much more plentiful. At the market, flowering plants of all kinds are coming in and from now on to Easter we can look for an increasing supply. Asparagus Sprengeri and A. plumosus bunches are selling well, but trade, as reported generally by the retailers, is very slow. There has been a lack of funeral work the past week.

SPRING FLOWER SHOW.

The second annual spring exhibition given by the Horticultural Society was opened March 11 at noon at the Grand Avenue Masonic Temple, Otto G. Koenig and other officers being in attendance. The hall was very tastefully decorated and the display of palms and flowering plants was fully up to the standard. Exceptionally beautiful were the displays of F. C. Weber, Koenig Floral Co., Wm. Schray & Sons, and the Bentzen Floral Co., while the baskets of F. H. Weber and the corsage bouquets of Theo, Miller were works of art. The attendance for the first day was good. The judges were Robt. F. Tesson, A. Meyer, Sr., and Alexander Waldbart, who gave general satisfaction. Their awards follow:

PLANTS.

Collection of bulbous plants in flower, accessories admissible.—Wm. Schray & Sons, first; Koenig Floral Co., second; Geo. B. Windler, third.

Fifty foliage and flowering plants.—Wm. Schray & Sons, first; A. Young & Sons, second; Koenig Floral Co., third.

Ten geraniums in flower.—Koenig Floral Co., first.

Twelve mignonette.—John Held, first.

Twelve cyclamens.—John Held, first.

Specimen flowering plant. — Wm. Schray & Sons, first; Koenig Floral Co., second.

Display of lily of the valley.—Wm. Schray & Sons, first.

Display of pansies.—Geo. B. Windler, first.

Display of violets—Wm. Schray & Sons, first; Koenig Floral Co., second.

Fancy and Dagger FERNS $1.75 per 1000

Discount on large orders.

New Crop Galax, Bronze or Green, $1.25 per 1000: 10,000, $7.50. **Wild Smilax,** 50-lb. case, $6.00.
Sphagnum Moss, large bales.....$1.25
Leucothoe Sprays.....$1.00 per 100: 1000, 7 50
Boxwood.....35c per bunch; 50 lbs.. 7,50

Florists in the Middle and Western States can save money by placing their fern orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,
WHOLESALE COMMISSION FLORISTS,
38-40 Broadway, All Phone Connections. **DETROIT, MICH.**

CUT FLOWERS.

Display of bulbous flowers—Weiland & Olinger, New Castle, Ind., first.

Five vases of carnations distinct, 25 blooms in a vase.—Chicago Carnation Co., Joliet, Ill., first; Weiland & Olinger, second; Galagher Flower Shop, third.

Fifty white carnations.—Chicago Carnation Co., first and second; Galagher Flower Shop, third.

Fifty light pink.—Chicago Carnation Co., first; Galagher Flower Shop, second; J. F. Ammann, Edwardsville, Ill., third.

Fifty dark pink.—Chicago Carnation Co., first; J. F. Ammann, second.

Fifty red.—Chicago Carnation Co., first.

Fifty any other color.—J. F. Ammann, first; Galagher Flower Shop, second.

Four vases of roses, distinct, 25 in a vase.—Koenig Floral Co., first; F. H. Meinhardt, second.

Twenty-five American Beauty.—Koenig Floral Co., first; Weiland & Olinger, second.

Twenty-five pink roses.—J. F. Ammann, first; Weiland & Olinger, second.

Twenty-five white.—J. F. Ammann, first; Weiland & Olinger, second.

Twenty-five red.—J. F. Ammann, first.

Display of lily of the valley.—F. H. Meinhardt, first.

Display of violets.—Koenig Floral Co., first.

Floral basket.—F. H. Weber, first with Killarney rose; same exhibitor second and third.

Display of cut flowers in vases.—Wm. Schray & Sons, first; Koenig Floral Co., second.

MISCELLANEOUS EXHIBITS.

Geo. A. Kuhl, Pekin, Ill., had a fine display of hydrangeas and ferns, showing stock that will be in fine condition for Easter, and a good line of soft wooded plants.

Theo. Miller, 4832 Delmar avenue, showed five corsage bouquets, four antique vases of spring flowers and a collection of antique ware.

H. J. Weber & Sons Nursery Co.,

H. J. Smith
HARDY CUT FERN DEALER,
Write for prices for what you want.
HINSDALE, MASS.

George Cotsonas & Co.
Wholesale and Retail Dealers in all kinds of
Evergreens.
Fancy and Dagger Ferns, Bronze and Green Galax.
Phone 1202 Mad. Sq.
Main Store. 50 W. 28th St.. NEW YORK.

E. A. BEAVEN
Southern Wild Smilax,
Log Mosses,
Natural and Perpetuated — at Wholesale,
EVERGREEN, ALABAMA.

John P. Scherer
UNION HILL, NEW JERSEY.
New York Branch: 463 Sixth Ave., bet. 28th and 29th Sts.. **New York.** Telephone **6237** Mad. Sq.
SMILAX, FERNS, PALM LEAVES
and all kinds of **GREEN GOODS.**

THE KERVAN COMPANY,
113 West 28th St., NEW YORK
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves Galax, Leucothoe, Ferns, Mosses and all Decorative Evergreens.

Sphagnum Moss and Cedar Poles.
Moss, 5 barrel bale, $1 25: 2 bales, $2.25; 5 bales $5.00; 10 bales, $9.50. **Poles,** 2-in. butt, 8 ft. long, $15.00 per 1000; 2½-in. butt, 10 to 12 ft. long, $22.50 per 1000; 1½-in. butt, 5 to 7 ft. long, $10.00 Cash.
H. R. AKERS, Chatsworth, N. J.

Roses from Grafted Plants

Are much finer in the spring than own-root stock, for the grafted plants have rested during the winter. All of our

Maids, Brides, Richmonds and Killarneys

are grafted plants. Our **Beauties** have started on the new **spring crop of flowers and are exceptionally fine.** Plenty of **Greens, Carnations** and **Bulb Stock.**

BASSETT & WASHBURN,

Greenhouses: Hinsdale, Ill. **Store: 76 Wabash Ave., Chicago.**

For Easter Supplies and Novelties

E. H. HUNT, CHICAGO

We carry in stock a full line of **Baskets, Bulb** and **Plant Boxes, Vases** and **Hanging Baskets,** made in Twig, Birch Bark and Cocoa fibre ware.

Real Chicks and Ducks, stuffed, at $1.50 per doz.

All kinds of **Pot Covering, TOO, Porto Rico Mats, Waterproof Pleated Paper, Machet Crepe** and **Two-Tone Crepe. Tissue Pot Covers,** ready for use, all shades, for 5 and 7 in. pots, $1.10 per 100; for 7 and 9 in. pots, $1.35 per 100.

We are agents for **Hart's Handy Handles** (same price).

Gauze Ribbon, Chiffon and Netting for Plants.

Write us to-day to mail you a 1908 Easter Catalogue, in which you will find many more new useful Novelties and Supplies. **E. H. HUNT, 76-78 Wabash Ave., Chicago.**

Rothenheber's Nurseries, and Sander's Nurseries all had fine exhibits of nursery stock.

Mehl & Muskopf had a special display of deciduous and evergreen trees, magnolias and hedge plants arranged as a miniature landscape which was much admired.

NOTES.

The Horticultural Society is certainly doing a great work in floral education and building up the trade. Special prizes are offered from April 1 to November 1 for best garden, front yard, back yard, etc., and plant and window boxes. By this means the officers are building up what this society is intended to be, one of floricultural education.

Martin Moran, well known both in the wholesale and retail trade and for years in the employ of Ayres Floral Co., is now with the St. Louis Seed Co., in the retail department. It is to be very much regretted that this company, owing ing to the rush of business, will be unable to make an exhibit at the flower show this week.

Isaac Cooper a widower 63 years old, who worked for Ben Schloomer at 7221 Florissant avenue fell dead at midnight on Monday while at his work.

The Florists' Club will meet next Thursday. A rose show will be the feature.

Ellison Floral Co. was very busy with a ball last week at the Louis club.

Visitor: Geo. A. Kuhl, Pekin, Ill.

W. F.

Grand Rapids, Mich.

BUSINESS GOOD.

February certainly was the worst month of the winter by all odds; no let up from beginning to the end. Blizzard after blizzard, rain, snow, then 10° to 20° below zero. Every florist in this vicinity had plenty of work to keep warm, but no fatalities except some minor instances from heavy snow. Business has been very good so far and St. Valentine's Day brought an extra good trade. There is now at all the stores and greenhouses a heavy stock of carnations, and as there is very little outside trade just now, quite a number goes to waste. Bulb stock simply wont go; usually the output has been Chicago, but that market is simply out of the question. One firm who has 20,000 lilies, says they do not bring two cents a flower; that means a great loss. The department stores are handling a great many carnations and bulbous flowers which helps some, but they are sold in large quantities and at such very low prices that it hurts the regular store trade.

NOTES.

Eli Cross, has a very fine house of 10,000 lilies which will be in steady crop until Easter. He has thrown out one house of carnations and planted it to early cucumbers. A house of California violets are extra fine.

Crabb & Hunter Floral Co. is very busy just now with out-of-town orders. Arthur Crabb, secretary of the company says that trade so far this winter has been very satisfactory.

Henry Smith has just planted a 300-foot house to Kaiserin, La France and Richmond for summer bloom; they are very busy at the store on funeral work.

Peter Kunst's Sons are sending in some very fine Lady Bountiful and Lawson carnations. They are very busy with bedding stock.

James Schols states he has had so far a good season in violets. James Schols, Jr., has spent a week in Detroit with his sister.

WE ARE ON WITH A BIG CROP OF

EXTRA FANCY RICHMONDS

All other **Roses** in big supply. **Carnations,** too, are in full crop with us.
We can take care of your orders, large or small. Let us have your regular orders.

OUR PRICE LIST.

	Per doz.
American Beauties,	
Extra long stems,	$6.00
30-inch stems	5.00
24-inch stems	4.00
18-inch stems	3.00
15-inch stems	2.00
12-inch stems	1.50
Short stems	.75 to 1.00

	Per 100.
Mrs. Marshall Field and Killarney.	
Best	$10.00 to $15.00
Short to medium	6.00 to 8.00
Liberty and Richmond	
Best	8.00 to 10.00
Short to Medium	5.00 to 7.00
Golden Gate Select..	8.00 to 10.00
Short to medium	4.00 to 6.00
Perle	4.00 to 8.00

	Per 100
Chatenay Select	$10.00 to $12.00
Short to medium	6.00 to 8.00
Bride and Bridesmaid	6.00 to 10.00
Sunrise	6.00 to 10.00
Uncle John	6.00 to 10.00
Ivory	6.00 to 10.00
Carnations	2.00 to 3.00
Lily of the Valley	3.00 to 4.00
Asparagus Plumosus	2.00 to 3.00

ROSES, OUR SELECTION, short to medium stems, all fresh stock, $4.00 per 100.

CARNATIONS. Well Rooted Cuttings. Ready for Shipment.

PINK.	Per 100	1000
Lawson	$1.50	$12.50
Enchantress	2.00	15.00

WHITE.		
White Lawson	$2.00	$15.00
Boston Market	1.25	10.00

RED.		
Robt. Craig	$2.50	$20.00
Cardinal	2.00	17.50

Rose Cuttings.

Strong, well rooted Cuttings.

	Per 100	1000
Ivory, Richmond, Chatenay and Uncle John	$1.50	$12.50
Sunrise and Kate Moulton	3.00	25.00
Perle	2.00	17.50

American Beauty, bench plants, now ready **$10** per 100; **$75** per 1000.

PETER REINBERG, 51 Wabash Ave., Chicago.

The Grand Rapids Floral Co. does not make a very loud noise, but is doing a very nice business. B. S.

HORTICULTURAL SOCIETY.

The Grand River Valley Horticultural Society held its March meeting at the home of John B. Martin, with "Glass Farming" as the general topic, under the leadership of Chas. W. Garfield. In opening the discussion Mr. Garfield referred to the possibilities in gardening under glass for the young man who has energy and industry with a good knowledge of the business, and mentioned several who, starting with nothing but willing hands and good head-pieces, had within 10 years accumulated from $10,000 to $20,000.

Miss Jennie Livingston spoke on "My Experience in a Small Greenhouse" in which she had been very successful in growing violets, sweet peas, pansies, lettuce and seedling flower and vegetable plants. The violets were transplanted into the houses in July and by September flowers began to show on the single varieties. Lettuce was grown in 2-inch pots between the violets. Clarence Hills spoke of "The Window Garden as a House Accompaniment," and told how flowers could be grown in window boxes. He had also built a small greenhouse in which he was able to grow quite a variety of flowers and to force vegetables for his table. He had even been able to grow a large collection of orchids with considerable success.

"The Hotbed" was the subject of the talk of Thos. Gunson, the instructor in floriculture at the Michigan Agricultural College. After explaining the methods of constructing the beds and preparing the heating material, he told of the use of the hotbed for growing lettuce, radishes and other vegetables in the spring, as well as for starting various bedding and vegetable plants. The hotbed was treated as a very useful adjunct to the greenhouse for a florist or gardener, as well as being almost indispensable to the amateur.

Miss Madge Dolan told "How I Came to Start My Greenhouse and What I Am Doing with It." Although busy during the day as a bookkeeper, she had always had a love for plants and spent her spare time in the garden. Believing a small greenhouse would not only prove a profitable venture, but afford her pleasure, especially during the winter, she has erected a small house in which she is growing a variety of crops for which she finds a ready sale at remunerative prices.

"Some of the Forward Movements in Glass Farming" were enumerated by Prof. L. R. Taft, who spoke of the increase in the acreage devoted to the production of vegetables and flowers, and the developments along the line of greenhouse architecture, such as the introduction of iron for posts and purlins, as well as for gutters, rafters, sills, and even for the ridge and sash-bars in some cases. Cement is now being extensively used for walls, beds and benches, and the size of the glass multiplied nearly tenfold from what it was 40 years ago. This enables the florist, with improved heating and ventilating apparatus, to give each variety of plants the exact conditions it should have for its perfect development, and by proper attention to supplying the proper soil, and to giving the plants the amount of water and plant food required, the development has been so great that it is hard to recognize some of the new and improved varieties of today.

Frank J. Cook, in speaking of "The Outlook, Who Will Succeed?" claimed that although the prices rule low at the present time, it is caused by the hard times. This condition cannot last long and everything indicates a great increase in the demand and better prices in the near future. The man with up-to-date ideas, who makes a study of his trade will succeed. Eugene Davis and other speakers spoke in a hopeful way of the future of the greenhouse industry in this locality. SPECTATOR.

The Florist Mariner.

The swarthy bee is a buccaneer,
A burly velveted rover,
Who loves the booming wind in his ear
As he sails the seas of clover.

His flimsy sails abroad on the wind
Are shivered with fairy thunder;
On a line that sings to the light of his wings
He makes for the lands of wonder.

He harries the ports of the hollyhocks,
And levies on poor sweetbrier;
He drinks the whitest wine of phlox,
And the rose is his desire.

He woos the poppy and weds the peach,
Inveigles daffodilly,
And then like a tramp abandons each
For the gorgeous Canada lily.

There's not a soul in the garden world
But wishes the day were shorter,
When Mariner B. puts out to sea
With the wind in the proper quarter.

Or, so they say; But I have my doubts;
For the flowers are only human,
And the valor and gold of a vagrant bold
Were always dear to woman.

Out in the day, hap-hazard, alone,
Booms the old vagrant hummer,
With only his whim to pilot him
Through the splendid vast of summer.

He drones along with his rough sea-song
And the throat of a salty tar,
This devil-may-care, till he makes his lair
By the light of a yellow star.

He looks like a gentleman, lives like a lord,
And works like a Trojan hero;
Then loafs all winter upon his hoard,
With the mercury at zero.

—VAGABONDIA.

CLEVELAND, O.—The Home Gardening Association began its distribution of seeds in every public and parochial school in the city March 2.

GREENHOUSEMEN!

The Perry Pneumatic Water System.

THE Perry Pneumatic System absolutely eliminates the storage of water. Consider what this means; consider what must be the interior state of a tank that has done duty for years. One glance at the inside of such tank would be the most convincing argument and the strongest object lesson that we could give in favor of the Perry Non-Storage System.

The distribution of water under pressure, **without storage**, was made possible through the invention of the Perry Pneumatic Pump. Placed in the well, or any source of water supply, this pump is operated by compressed air, which, by means of an automatic valve, forces the water alternately out of the two cylinders, producing a steady, continuous flow at high pressure.

It is the only pump that will maintain an evenly high pressure of water at the faucets. It operates only when water is drawn, starting automatically when a faucet is opened and stopping when it is closed.

The equipment consists of any motive power capable of one-half h. p. or more, a small air compressor, a storage tank for air, a Perry Pneumatic Pump and the required piping and faucets.

The Power, Compressor and Tank may be located at any convenient place. The Pneumatic Pump is submerged in the well. Having connected these properly and started the Compressor, the air is stored in the tank to any pressure desired, then the Compressor is stopped. This compressed air is now stored power, which operates the pump and is used only when water is drawn from the faucets. The Compressor need not again be started until the tank requires recharging. A pressure Reducer on the air line maintains an even pressure of water at the faucets, regardless of the amount of air pressure in the tank.

Now, the questions naturally arise — What is the efficiency of the Perry System, and how does its capacity compare with that of others?

The Perry System has a much greater capacity than any water storage system can possibly have, for the simple reason that the entire volume of the tank is charged with air to a tension that will deliver much more water than the tank would hold. With the water storage system only two thirds, at most, of the volume of the tank is water and, therefore, that is all that can be delivered.

To demonstrate — Suppose we use a 500-gallon tank for our air storage and charge it to a pressure of 70 pounds, and assume that we must deliver the water thirty feet above the source of supply: This 500-gallon tank, with one charging, will deliver over 1,000 gallons of water. At a lift of ten feet this same tank, at like pressure, will deliver nearly 1,700 gallons. By increasing the pressure to 100 pounds, 2,500 gallons can be delivered with this 500-gallon tank.

The element of "elasticity" in the Perry Pneumatic Water System is perhaps its strongest feature in point of practicability. If a Perry System has been installed to supply well water, and at any time it is desired to have soft water in the house, it is merely necessary to add the required air and water piping and a Pneumatic Pump for the cistern; or, more wells may be added to the water supply, making the System as extensive as there is need for, using the ONE ORIGINAL POWER STATION.

With a water storage system, this would be impossible, as it would require two separate and distinct water reservoirs or hard and soft water.

POWER

The power necessary to operate a Perry Pneumatic Water System of minimum capacity (500 gallons per hour), in very few cases exceeds one-half h. p. and this work can always be added to the load of an existing power equipment. In cases where new power is installed, the expenditure is very low, as only the smallest type of engine or motor need be used.

For larger Perry Plants the power required is proportionately small, as 10 h. p. operates a system having a capacity of 300,000 gallons per day.

When a Wind Mill is used, it need not be placed over the well, but may be located at any distance necessary for good exposure. We make a special, patented air compressor for wind mills that adjusts itself automatically to the speed of the wind, taking in a large volume of air in a high wind and diminishing the amount of air compressed as the wind decreases.

When the Compressor is operated by an Electric Motor, a much smaller air reservoir may be used, as our Automatic Electric Controller keeps the air pressure up to any given tension. For instance, if it is desired to keep the pressure between a minimum of 40 lbs. and a maximum of 60 lbs., the motor will stop automatically when 60 lbs pressure is reached, and will start automatically when 20 lbs. pressure has been used. This Controller operates perfectly at any adjustment, and can be set to "cut in" and "cut out" at a variation of 1 lb. if desired.

The Perry Pneumatic system is adapted to a varied number of conditions. We have associated with us an Engineer who has been recognized by the United States Government as an authority on water problems. His advice and experience are yours for the asking.

United Pump & Power Co.

Old Colony Building, CHICAGO. **Works, CLYDE, ILL.**

Chicago.

MARKET VERY QUIET.

The market conditions of the past week have only been a logical development of those of the week previous. The carnations were more than plentiful and roses were coming on. Carnations are still over-plentiful, although the supply does not quite reach the proportions of the glut of a week or 10 days ago. White are, in some instances, held back in the hope of realizing better prices for St. Patrick's Day. Prices are still at a very low level, excellent stock being offered in 1,000 lots as low as $10 and $12.50 to make a sale. Of course strictly fancy and selected stock brought better prices, white, Lawson and Enchantress hold up best. Roses are at last coming in big quantities, all growers seeming to be in crop at once. Long American Beauty is fine in quality with prices weaker. Bride, Bridesmaid, Richmond and Killarney are also of excellent grade and prices shaded a bit from those of a week ago. The demand for bulbous stock does not seem to improve much if any. Callas and Harrisii lilies are particularly noticeable, all ice boxes storing more or less of them. The milder weather seems to have created some demand for violets, commission dealers having sold out more closely than for several weeks past. While prices are still low they are slightly firmer. Taking the market as a whole and very much in all classes of stock the volume of trade is about as large as it was a year ago, but prices are much lower, especially in carnations which average about one-half their values of a year ago; consequently sales do not total the money expected by growers.

THE CLUB MEETING.

The Union hotel, the new meeting place of the Florists' Club, attracted a good attendance to the special meeting held March 5. This special meeting was called primarily to discuss the matter of changing the place of meeting and to change the meeting night from the second Thursday to the first Thursday of the month. The members in attendance voted in favor of the proposed changes and they will be adopted when the amendment to the by-laws, as to the time of the meeting, has been voted upon at three regular meetings. The new meeting place is located at 111 Randolph street, second floor.

Among the new members elected were John Kruchten, 51 Wabash avenue; Herman Schiller, 897 W. Madison street; A. G. Schillo, 218 Mohawk street; W. G. Hening, of Blue Island. Applications for membership were filed as follows: John Michelson, 32 Randolph street; R. Schiller, 890 W. Madison street; Chris. Peterson, 1551 Kenmore avenue; Harry P. Prescott, Twenty-second and Halsted streets; Henry C. Blewitt, Des Plaines; Emil Pielke, Geneva, and A. Aggerholm, Onarga.

Aug. Poehlmann, for his committee, reported on the coming annual exhibition and convention of the American Rose Society, to be held at the Art Institute March 25-27, in co-operation with the Florists' Club, stating that in addition to the numerous special prizes already announced, amounting to over $600 in value, there had been received one amounting to $100 from R. T. Crane Co., $10 from the A. L. Randall Co., and silver cup from Heller Bros., New Castle, Ind. The banquet, to be held in connection with the exhibition, was also discussed.

The committee on the rose show met Monday noon at the Union restaurant to further final arrangements for the exhibition, including the matter of tickets and advertising. August Poehlmann, J. C. Vaughan, Leonard Kill, Geo. Asmus, Jas. Burdett, T. E. Waters and N. H. Carpenter were present. The committee will meet again next Monday at 12 m. at the same place.

Growers may obtain entry blanks for the exhibition of the American Rose Society to be held March 25, 26 and 27, by addressing T. E. Waters, secretary of the Florists' Club, 21 East Randolph street.

NOTES.

Windland & Keimel is the title of a new firm of wholesale growers at Elmhurst, which has secured 4½ acres of land and is erecting four houses thereon 25x200 feet, for rose growing, making specialties of Richmond and Killarney. Mr. Keimel, formerly with Poehlmann Bros. for a considerable period, is managing partner of the concern, and is well known as a successful rose grower. The present condition of the building operations indicate that the place will be in working order about May 1. Grafted stock will be used exclusively.

Mrs. George S. S. McReynolds, whose alleged extravagances in the operation of a violet farm at Highland Park are said to have been in part responsible for her husband's downfall, was granted a divorce March 5 by Judge Gibbons. Mr. McReynolds, formerly a well-known board of trade man, was convicted of issuing fraudulent grain receipts, and is serving a term in the Joliet penitentiary.

The J. B. Deamud Co. has been showing a vase of A. E. Hunt's new salmon pink seedling carnation. This is a splendid keeper and is known to have attained a diameter of 4¼ inches. The petals are fringed.

Wm. McGovern, formerly with growers at Chatham and Madison, N. J., is now with Poehlmann Bros., succeeding W. J. Keimel. Mr. McGovern is favorably known as a rose grower in the east.

Wietor Bros. will have a fine lot of white carnations for St. Patrick's Day. They also have an excellent crop of American Beauty roses to cut from.

The Geo. Wittbold Co.'s giganteum lilies for cutting at Easter are coming along in fine shape and promise an excellent cut at just the right time.

Superintendent Jensen of West parks entertained a committee of the Peoria Park Board last week who visited the city inspecting playgrounds.

Forty carloads of Umbach's tufa stone have been used by Superintendent Jensen in the rockery work of the new conservatories at Garfield park.

The spring crop of American Beauty roses is now coming in with Bassett & Washburn and a large quantity of long stems are being cut daily.

Lacey Young, who had been confined to his room for 10 days with grippe, was out again Monday. He left that night for Thompsonville, Mich.

John Sinner, of Sinner Bros., instead of growing Killarney roses as so many growers are now doing or about to do, will grow more Bride.

Phil. Foley, despite the many worries incident to his business, is not losing any flesh, turning the scales now at 335 pounds.

Judging from the way that supply orders are coming in it appears that florists are preparing for a good Easter trade.

Geo. Reinberg is still cutting some fine Cattleya Schroederæ. Bride, Bridesmaid, and Richmond roses are all in excellent crop.

Frank Johnson, of the A. L. Randall Co., left Monday night for a two weeks' business trip.

Peter Reinberg has a fine crop of Mrs. Marshall Field roses coming on.

WEILAND & RISCH
Wholesale Growers and Shippers of
CUT FLOWERS
59 Wabash Ave., CHICAGO.
'Phone Central 879.
Write for our wholesale price list.
WHOLESALE FLORISTS

Kennicott Brothers Company,
WHOLESALE
CUT FLOWERS.
48-50 Wabash Ave.,
CHICAGO.

Klehm's Novelty Tulips
50 in the box, $2.00 per box.

We will have anything in the line of
Cut Flowers and Greens
that you may want if anybody has at Chicago market prices on day of shipment.

KENNICOTT BROS. CO.
L. D. PHONE, CENTRAL 466.
48-50 Wabash Ave., CHICAGO.

"THE BUSIEST HOUSE IN CHICAGO."

J. B. DEAMUD CO.

FANCY FERNS, WILD SMILAX, and all FLORISTS' GREENS and CUT FLOWERS in Season.

Long Distance Phone Central 3155.

51 Wabash Ave., Chicago.

Lily of the Valley

Surplus of Early Forcing Pips.

$10.50 per 1000; $25.00 per case of 2500; $1.50 per 100.

These Will Be Splendid FOR EASTER FORCING,

and will make very desirable Easter plants with 12, 25 or 50 in a pot or pan.

ORDER NOW.

Finest Cold Storage Pips, $14.00 per 1000; $1.75 per 100.

Fancy Cut Valley Always on Hand.

H. N. BRUNS,

1407-1411 W. Madison St., CHICAGO.
Long Distance Phone. Kedzie 1196.

Roses, Violets, Carnations and other CUT FLOWERS of best quality

E. H. HUNT

SEND FOR PRICE LIST.
76 Wabash Avenue, CHICAGO.

Florists' Supplies AND Novelties.

Chas. W. McKellar

51 Wabash Ave.
CHICAGO.

ORCHIDS
A Specialty

Fancy Stock in VIOLETS VALLEY, ROSES, BEAUTIES, CARNATIONS and a full line of all Cut-Flowers, Greens, Wire-Work and FLORISTS' SUPPLIES.

Send for Complete Catalogue.

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO, Mar. 11.

Roses, Beauty, extra fancy....$	6.00
Roses, Beauty, 24 to 30-in. stems	5.00
Roses, Beauty, 12 to 20-in. stems.	1.25@ 4.00
Roses, Beauty, short stems.....	.75@ 1.00
Roses, Kilarney	6.00@15.00
Roses, Bride, Maid Ivory, Gate..	6.00@10.00
Roses, Liberty, Richmond.....	6.00@15.00
Roses, Chatenay, Perle.....	6.00@12.00
Carnations	1.50@ 3.00
Violets	.25@ .75
Lilium Harrisii, per doz.....	1.00@ 1.50
Callas, per doz., per doz.....	1.00@ 1.50
Lily of the valley.....	2.00@ 4.00
Smilax, per doz.....	2.00
Asp. Plu. & Sprengeri, bunch...	.50
Asparagus strings, each.....	.50
Adiantum, per 100.....	.75@ 1.00
Leucothoe sprays	.75@ 1.00
Ferns, per 1000.....	2.00
Galax, green, per 1000.....	1.00
Galax, bronze, per 1000.....	1.50
Boxwood, per bunch.....	.35

E. C. AMLING

THE LARGEST, BEST EQUIPPED, MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.

32, 34, 36 Randolph Street, CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Mention the American Florist when writing

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO

Telephone, Central 3284.

Mention the American Florist when writing

Vaughan & Sperry,

Wholesale Florists,

58 and 60 Wabash Ave., CHICAGO.

WRITE FOR SPECIAL PRICES.

DAILY SHIPMENTS OF

Cut Flowers

From 40 to 60 Growers.

"Greens" Our Specialty.

E. F. Winterson Co.,

45-47-49 Wabash Avenue. CHICAGO.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of CUT FLOWERS

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

Fancy White Lilac
$1.25 per bunch; 5 bunches for $6.00.
Our present White Lilac is very fine stock
FOR ST. PATRICK'S DAY.
Will have plenty of good **White Carnations**
$2.00 to $4.00 per 100.

Genuine Green Dye
FOR ST. PATRICK'S DAY.
That will color your carnations and other flowers just the shade you want. 50c per pint. $1.00 per quart.

Growers contemplating building or repairing, give us the opportunity to figure with you before placing your order for **GREENHOUSE GLASS.**

A. L. Randall Co. 19-21 Randolph St., **Chicago.**

Emerald Green Flower Coloring
That's absorbed through the stem. Non poisonous. Gives a true fresh green color to the flower. In fluid or powdered.
Manufactured by the **Stewart Chemical Works, 860 So. Lawndale Ave., Chicago.** For Sale by
NATIONAL SEED CO., 117 5th Ave., CHICAGO.

Chicago Notes.

John T. Withers, of Jersey City, N. J., gave a most interesting lecture on the care of trees at the Academy of Sciences, Lincoln park, on the evening of March 7, to a very attentive and deeply interested, though not large, attendance. So busy was Mr. Withers answering questions after the lecture that it was very difficult to get hold of him, showing the great interest that trees have for a number of people. We refer to his lecture more fully in the nursery trade news, page 352.

Barney Myers, manager of W. J. Palmer & Sons' greenhouses, at Lancaster, N. Y., who spent a few days in the city visiting the leading growers, returned to his home March 9 well pleased with his visit. Mr. Myers, who is trustee of his township, has been 24 years with his present employers and is not now looking for a new job. That is a record which speaks well for Barney as well as his employers.

The E. H. Hunt corporation has just received a consignment of silk ribbons in a variety of new shades, including Enchantress, Killarney, Uncle John and American Beauty. All these ribbons show a skilful blending of the lightest and darkest shades in each class.

Visitors: H. Will and Ralph T. Latham, of Will Bros., Minneapolis, Minn.; Joseph Pollworth and Will Kennedy of C. C. Pollworth Co., Milwaukee, Wis.; J. T. Withers, Jersey City, N. J.; I. C. Kemble and wife, Marshalltown, Ia.

Kansas City.

TRADE FAIR.

The most noticeable feature of last week's trade conditions was the general falling off in business, marking the Lenten season, the observance of which is becoming more strict each year. In the small retail stores, the conditions appear altogether different, the effect hardly being noticable. Perhaps it is well that the period occurs at this time of the year, giving the craft opportunity to rest and prepare for the days and nights of hard work in handling the rush of business at Easter. Prospects are for a prosperous condition at that time. A glance into the "flower factories" will convince one that conditions are more promising there than ever before. At present stock is in good form, especially the staples. Roses in all classes, save American Beauty, are plentiful and remarkably good. Carnations are better than at any time this season, but not so plentiful as they have been, which accounts for their upward inclination in price. Bulb stock cannot be very highly commented upon, although a slight improvement is apparent. Some growers assert their intentions of cutting out this class if an improvement in both quality and demand is not soon occasioned. Violets have begun to show the effects of the bad weather and unless a change comes they will be out altogether in a few weeks. Sweet peas have been in good demand and some good stock has been noted. Smilax is scarce at present.

Alpha Elberfield and wife returned recently from a short vacation spent in the south, which included a visit to New Orleans for the festivities. Mr. Elberfield reports a fine trade during his absence.

It is rumored that a florist has the option on one of the rooms in the Scarritt arcade on Walnut street. In one instance this location proved a good one and there is no reason why it should not be more desirable at present on account of the great improvement in the locality.

K. C.

Carnation Exhibition at Ithaca, N. Y.

The horticultural department of Cornell University held its fourth annual carnation exhibition March 4-6. The exhibit was in charge of the students in floriculture, who managed, staged, and judged the blooms. The exhibit was purely for educational purposes and no prizes were offered. However, many growers took advantage of the opportunity to place their stock before a class of interested students.

The exhibition was well advertised about the city and many visitors were present during the three days. After the exhibition the blooms were put to good use by the students, in packing demonstrations, design making, etc. At the weekly meeting of the Horticultural Club (Lazy Club), carnations were the subject of discussion. An interesting talk on carnation breeding was given by Dr. Weber, and the varieties from a commercial point of view were discussed by L. D. Batchelor.

Among the exhibitors were C. W. Ward, of Queens, whose two winners at the Washington show, Mrs. C. W. Ward and Alma Ward caused a great deal of comment and expressions of admiration from the visitors. His President and Beacon also showed excellent growing.

R. Witterstaetter, of Cincinnati, O., exhibited Afterglow which showed itself to be one of the coming varieties.

The excellent scarlet variety, Andrew Carnegie, was exhibited by the Chicago Carnation Co., Joliet, Ill. The blooms made a fine showing and were much admired by the visitors.

F. R. Pierson, Tarrytown on Hudson, sent a very creditable exhibit of Variegated Lawson, Enchantress, Winsor, Beacon and Red Lawson.

The horticultural department of New Hampshire College exhibited a very interesting lot of seedlings with their pedigrees attached. Many of these give promise of becoming good commercial varieties. They made a very creditable showing for the plant breeding department of that institution.

John E. Haines, Bethlehem, Pa., exhibited a fine lot of well grown blooms. Among the most prominent were Pink Imperial and Variegated Imperial which showed a remarkable stem and very durable bloom. His bright scarlet variety, John E. Haines, White Perfection and Light Pink Seedling No. 102, made an especially creditable showing.

James D. Cockcroft, Northport, exhibited Carnation Harvard in excellent form.

Frank H. Kimberley, New Haven, Conn., staged an attractive class of Enchantress and White Enchantress, also the violet Marie Louise.

Among the varieties exhibited by the horticultural department of Cornell were Harlowarden and Mrs. Thos. W. Lawson.

W. H. ARNOLD.

Emerald ..GREEN
CARNATION FLUID
For St. Patrick's Day
GREEN CARNATIONS
USE AJAX FLOWER DYE
The only Dye on the market that will color a beautiful **Emerald Green** and still allow the flower to retain its natural appearance. Money refunded if not satisfactory. Complete instructions free.
Per quart by express, $1.00.
Can only be had from
WINTERSON'S Seed Store,
45-47-49 Wabash Ave. **CHICAGO, ILL.**

New Castle, Ind.

We have experienced some very bad weather of late. March to date has been decidedly gloomy, raining or snowing almost continuously with occasional sunshine. The dark weather has had practically no effect on the stock in this locality and a visit to the various establishments found everything (with the possible exception of American Beauty roses) in a very healthy and good growing condition.

B.

We can take care of all your orders and can promise
Cut Flowers that will please you. Try us.

HOLTON & HUNKEL CO.

462 Milwaukee Street, MILWAUKEE, WIS.

The Best Equipped Wholesale House in the West.

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations and all kinds of Seasonable Flowers in stock.

WM. F. KASTING CO. Wholesale Commission Florists.

BUFFALO, N. Y.

Florists' Supplies and Wire Designs.

—THE—

J. M. McCullough's Sons Co.

Wholesale Commission Florists.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

MILFORD, CONN.—Roger Comstock is ill at his home.

PATTERSON, N. J.—The Second Ward Dahlia and Flower Growers' Association entertained a large number of friends at a smoker and entertainment in Mungersdorf's hall, 106 Redwoods avenue, February 28. This was the first affair of the kind given under the auspices of the association and it was a success. Walter Hickson, president of the association, acted as chairman for the evening.

BUFFALO, N. Y.—The practice of collecting and selling frames that have been used for floral designs from the cemeteries outside the city has become frequent and the health authorities are taking the matter up as they say it constitutes a grave danger to health. There was formerly a law forbidding this practice, but it was repealed in 1886. The health authorities are satisfied that such floral frames, which have been on caskets and in rooms containing the body of a person who has died of a contagious or infectious disease, are capable of retaining disease germs and of spreading disease on that account. Hence, an appeal is to be made to the state health authorities to have the old law revived.

Wholesale Flower Markets

BUFFALO, Mar. 11.

Roses, American Beauty	7 00@50 00
" Bride, Bridesmaid, Meteor	4 00@10 00
Carnations	1 50@ 4 00
Lily of the valley	2 00@ 4 00
Smilax	15 00
Adiantum	50@ 1 50
Lilies	4 00@15 00
Galax, per 1000, $1 50	
Ferns, per 1000, 2 00	
Violets	40@ 75
Mignonette	2 00@ 5 00
Narcissus	2 00@ 3 00
Sweet peas	40@ 1 00
Hyacinths	2 00@ 3 00
Tulips	2 00@ 3 00
Daffodils	2 00@ 3 00
Asparagus Sprengeri, per bunch,	25 50
Asparagus plumosus, per bunch,	25@ 50
Freesias	2 00@ 3 00

MILWAUKEE, Mar. 11.

Roses, Beauty	75@ 5 00
" Liberty, Chatenay	3 00@10 00
" Bride, Bridesmaid	3 00@10 00
" Meteor, Golden Gate	3 00@10 00
" Perle	4 00@ 6 00
Carnations	1 00@ 3 00
Smilax, $1 50 per doz.	
Asparagus, sprays	3 00
" Sprengeri	2 00@ 3 00
Lily of the valley	2 00@ 3 00
Adiantum	1 50
Violets	50@ 75
Common ferns, $2 00 per 1000	
Harrisii lilies, $2 00 per doz.	
Paper White narcissus	2 00@ 3 00
Roman hyacinths	2 00@ 3 00
Tulips	3 00
Daffodils	3 00
Sweet peas	50@ 1 50

ST LOUIS, Mar. 11.

Roses, Beauty, long stems	2 50@ 3 00
" " medium stems	1 50@ 2 00
" " short stems	2 50@ 1 00
" Bride	3 00@ 8 00
" Bridesmaid	3 00@ 8 00
" Chatenay, Richmond	3 00@ 8 00
" Killarney	3 00@ 8 00
Carnations, common	1 00@ 1 50
" best	1 50@ 2 00
Smilax	12 50
Asparagus Sprengeri	1 00@ 2 00
plumosus, strings	25 00@40 00
" cut sprays	1 00@ 2 00
Ferns, fancy, per 1000, $2 00	
Lily of the valley	2 00@ 3 00
Violets, California	20@ 25
Narcissus	2 00@ 3 00
Callas	6 00@10 00
Sweet peas	25@ 40
Roman hyacinths	1 50@ 2 00

CINCINNATI, Mar. 11.

Roses, Beauty, $1 00@$ 4 00	
" Bride, Bridesmaid	3 00@ 6 00
" Richmond	3 00@ 6 00
" Golden Gate	3 00@ 6 00
" Ivory	3 00@ 6 00
Carnations	1 00@ 3 00
Lily of the valley	2 00@ 4 00
Violets	50@ 1 00
Daisies	50
Callas	10 00@12 50
Harrisii	15 00
Dutch hyacinths	3 00@ 4 00
Narcissus	3 00
Smilax	12 50@15 00
Daffodils	2 00@ 3 00
Tulips	2 00@ 4 00
Asparagus plumosus and Sprengeri in bunches, per bunch 25c	
Eastern Ferns, per 1000, $2 00	
Galax, Green and Bronze, $1 00.	

PORTLAND, ORE.—Paul de Longpre, of Pasadena, Cal., is considering the advisability of opening a studio here for the week of the rose festival.

Buffalo Cut Flower Co.

468 Washington St.,
BUFFALO, N. Y.
J. N. BAILEY, Manager.

WE HANDLE
Roses, Carnations, Violets,
and other Seasonable Flowers.
Also Wire Designs and Supplies.
CONSIGNMENTS SOLICITED.

Long Distance Phone: Frontier 3607; Bell Sen. 3762. Open daily from 7 a. m. to 7 p. m. Sunday 8:30 to 12 m.

Weiland & Olinger,

128 E. Third St., CINCINNATI, OHIO.

Wholesale Growers and Shippers of Cut Flowers.

Greenhouses, NEW CASTLE, IND.

WM. C. SMITH & CO.

WHOLESALE FLORISTS.

Bell, Main 2018. Kinloch, Cent. 410.
1316 PINE St., ST. LOUIS, MO.

H. G. BERNING,

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

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Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

RICE BROTHERS

Wholesale Florists and Supplies,
115 N. 6th St., MINNEAPOLIS, MINN.

CUT FLOWERS received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities.

JACKSONVILLE, FLA.—Sawyer & Payne have completed arrangements to erect in Evergreen cemetery five large greenhouses for the growth of flowers and plants. This firm has also secured the services of A. N. Duncan, who has till recently been employed by C. D. Mills, a thoroughly good grower of plants and trees.

New York.

LENTEN BUSINESS.

The advent of Lent has made no marked change in the condition of the cut flower market. There have been days in which conditions were below the average, poor as that is, due more to bad weather and other incidentals than to the donning of sack-cloth and ashes by the society folk. Prices seem about as low as they can get and nothing short of a miracle can raise them again this season, possibly excepting a few Easter stocks. Between the beginning of Lent and an increase in the supply of American Beauty roses, the price of the best, has dropped from 50 cents to 25 cents. It was supposed some time ago that nearly everything had struck bottom, but it appears that there were depths not then sounded. Further comments on the condition of the market, would merely be platitudes, excepting that other stocks are in the same dismal condition. There was considerable activity on Saturday, but it was a mere scramble to unload, values being out of the question.

FLORISTS' CLUB MEETING.

The monthly meeting of the club was held on the night of March 9, in the Murray Hill lyceum, President Weathered in the chair. While the attendance was fair it was not what it should have been considering the previous announcements that Prof. Corbett, horticulturist, of the Department of Agriculture, Washington, D. C., would lecture on the preparation of soil for greenhouse purposes.

What the meeting lacked in numbers, however, was supplied in the interest and enthusiasm of those present over the speaker's masterly treatment of his subject. At the close of Prof. Corbett's address there were questions and discussion, W. R. Du Rie, John Birnie, E. V. Hallock and Patrick O'Mara participating. Again taking the floor, Prof. Corbett said, among other good things, that the department with which he is connected is at all times ready and willing to assist the growers of New York or any other state, in scientifically solving problems that may confront them in the selection and preparation of soils. He advised some form of co-operation among florists, to the end that the services done for a few would benefit many. He was tendered a vote of thanks.

Chairman Sheridan of the committee having in charge the recent club banquet made his report, from which it appeared that in proportion to membership in the club, there is no wild and tumultuous enthusiasm for banquets. Vice-president Marshall and others talked of the club's outing which will be held July 1 at Witzel's Point Grove. A hearty co-operation in this affair will be sought from the members of horticultural societies and clubs in the vicinity of greater New York. There was considerable talk on bowling, with no definite conclusions, though it seems plain that on this question the club has cold feet.

Anton Schultheis of College Point, exhibited fine plants of his imported polyantha rose Apple Blossom. William Eccles, gardener to Mortimer Schiff, Northwood, Oyster Bay, exhibited remarkably large blooms of Beacon carnation. W. A. Manda exhibited his pink seedling carnation No. 20. Arthur T. Boddington exhibited primulas "Queen of the Whites."

NOTES.

The sales of the Fruit Auction Co., Franklyn street, will present an opportunity for the proper disposal of the product of the growers hitherto unequalled. Evidently the sales will be conducted with due regard to the rights of the consignor as well as the purchaser and the establishment will doubtless prove a great help in disposing of stock.

Hanft Bros., are now well settled in their new store corner of Sixty-second street and Madison avenue. Viewed from the avenue, it is a broad expanse of plate glass; a crystal palace is not an exaggerated term for it. The firm deserves and is receiving hearty congratulations on their splendid enterprise.

Roger W. Peterson, son and representative of J. A. Peterson of Cincinnati, O., spent some time in this city during the past week. The Peterson range has attained national celebrity for the quality and beauty of the flowering and foliage plants which it sends out.

E. H. Smith who has taken the store on Twenty-ninth street formerly occupied by Chas. Millang, has got everything in good shape and opened with a good stock of cut flowers, flowering and foliage plants.

Russin & Hanfling, the supply firm of 114 West Twenty-eighth street, have had a force of carpenters at work enlarging their facilities to handle the Easter business. They are busy and do not talk hard times.

Wm. Elliott & Sons' spring plant auctions will be inaugurated March 17, in the morning, and shamrocks and many other good things will be plentiful.

There is considerable complaint from the growers who force bulbs for this market that a large proportion have turned out worthless.

Buffalo.

TRADE VARIABLE.

Weather conditions are about as variable as the trade. Lent is with us and society away from us. Funeral work has been quite good and plenty of stock. Prices are away down on some certain article every day which has a good effect as far as drawing a crowd and making the florists think they are busy.

NOTES.

On Friday evening the annual election of the Florists' Club was held at Kastings' hall. After routine business and the election of 23 new members, making a total of 43 new ones the club got down to the election of officers when the following were elected for the ensuing year: Chas. H. Sandiford, president; David J. Scott, vice-president; J. Roland Cloudsley, secretary; E. C. Brucker, financial secretary; Wallace Eiss, treasurer. Trustees—W. F. Kasting, W. A. Adams, C. H Keitsch. The only contest was for vice-president, when D. J. Scott was opposed by Geo. McClure, Jr.

After the election the committee on entertainment gave the members a good time by having two good boxing bouts and a wrestling match, also some fine singing. At the conclusion of the entertainment all adjourned to the banquet room where a bounteous repast was served. When the cigars were lighted Ex-President Neubeck who acted as toastmaster, in a few well chosen remarks on hybridizing and the results with the B. F. C., introduced Wm. Scott, Sr., who honored us with his presence and replied to the toast of "The Second President of the Club."

The remarks of Messrs. Kasting and McClure on what the club should do were timely and should be followed. The attendance was about 75, the largest in many years. It was in the wee sma' hours when a toast was drank to Wm. Scott as the oldest living president of the club and as ex-President of the S. A. F., followed by the song "For He's a Jolly Good Fellow," the meeting adjourned and all voted it a good entertainment and a good time.

The dog show last week gave Palmer and Anderson a good chance to decorate their windows. At Palmer's upper store there was a bull dog made of violets and held with a chain by a dashing society lady dressed in the latest fashion. At Anderson's there was a frame about eight feet long and six feet wide with a large pointer dog in the center made of white and red carnations which was so natural that other canines on the street were continually barking at it.

It was a great pleasure to have Mr. Scott with the club after his long illness. Speeches were also made by W. F. Kasting, Wm. Legg, C. H. Keitsch, Edward Slattery, Chas. H. Sandiford, president-elect, George McClure, Jr., D. J. McCarty, Lockport, N. Y., and Wallace Eiss.

At the next meeting of the club President Sandiford will announce his committees for the year. With the 43 new members and the old members there is every indication of big meetings and a good paper on some subject at nearly every meeting.

The automobile show this week will be an excuse for decorating the windows with automobiles.

Visitors: R. J. Irwin of H. H. Berger & Co., New York; S. B. Green of H. B. Bayersdorfer & Co., Philadelphia, Pa.; White Bros., Gasport; D. J. McCarty, Lockport. BISON.

Rochester, N. Y.

This city has a new organization of the florists and allied trades—the Rochester Commercial Florists Association. After holding several preliminary meetings a permanent organization has been effected, with officers as follows: Fred W. Vick, president; Fernando J. Keller, vice president; Geo. B. Hart, secretary and treasurer. Meetings will be held the second Monday of each month at 24 Stone street. At these meetings the officers will endeavor to have for inspection and discussion the newer varieties of carnations, roses, and other items in the flower and plant line, that will be of interest to the members. And it is one of the objects of the new club to bring together the growers and retailers for the good of the business.

A look in at Geo. B. Hart's, our local commission man, convinced us that there is plenty of stock for all. George says that he manages to clean up pretty well. Hart's handy handles for florists are a feature at this place, and the demand for them is heavy.

We are glad to announce that Miss Daisy Fry, the popular bookkeeper of Vick & Hill Co., will soon be back at her desk. Miss Fry has been confined to the house for several weeks suffering from a severe attack of grip.

The store window display is certainly a credit to the firm of Salter Bros., as A. Salter takes a pride in keeping a good stock of both flowering and ornamental plants on exhibition.

It was quite a surprise to Jacob Thomans' many friends when they read his advertisement in a recent trade paper offering his business for sale.

Chas. Suhr is heavy on bulbous stock; his tulips are hard to beat.

F. W.

DERRY, N. H.—Wm. J. Kingsbury has engaged Wm. Ferguson to take charge of his greenhouses.

HUNTINGTON, N. Y.—The annual carnation show of the Horticultural and Agricultural Society was held February 25. The winners in the carnation classes were H. T. and A. H. Funnel, White Bros., of Gasport; Chas. Weber, of Lynbrook; Henry Weston, of Hempstead; August Heckscher (Adolph Alins, gardener), and Walter Jennings (Richard Cartwright, gardener). A. Heckscher was given the award for tea roses. Walter Jennings was placed first for double and single violets. A. Heckscher won for mignonette and for best flowering plant with Begonia Gloire de Lorraine; Dracæna Lindenii from his greenhouse took first for foliage plants. The greenhouse vegetable display was a tempting one. The premium went to A. Heckscher; second to W. Jennings. The exhibits included cauliflower, tomatoes, string beans, mushrooms, radishes, lettuce and parsley.

Traendly & Schenck,
WHOLESALE FLORISTS,
44 West 28th Street, Phones, 798 and 799. New York City.

Alexander J. Guttman,
THE WHOLESALE FLORIST OF NEW YORK
43 WEST 28th STREET
PHONES, 1664-1665 MADISON SQUARE
ENOUGH SAID

J. K. ALLEN, Wholesale Commission Florist.
Consignments Solicited.
Open every day at 6:00 a. m. Telephone, 167 Madison Square.
106 W. 28th Street, NEW YORK CITY.

A. L. YOUNG & CO.
WHOLESALE FLORISTS-
54 West 28th Street, NEW YORK
Consignments of Choice Cut Flowers Solicited. Prompt Payments. Give us a Trial. Telephone 3559 Madison Square.

—FLOWERS SHIPPED BY
JOHN I. RAYNOR
Are the best product of the best growers for the New York Market.
Adiantum Croweanum sold here exclusively.
49 W. 28th St., NEW YORK.
Tel. 1998 Madison Square.

ALFRED H LANGJAHR
WHOLESALE FLORIST
55 W. 28th Street, NEW YORK.
All flowers in season. Consignments of first-class stock solicited.
Telephones, 4626 and 4627 Madison Sq.

FORD BROS.
Receivers and Shippers of
Fresh Flowers
48 West 28th St. NEW YORK.
Telephone 3870-3871 Madison Sq.

J. Seligman. Joseph J. Levy.
John Seligman & Co.
WHOLESALE FLORISTS,
56 West 26th Street, NEW YORK.
Opposite N. Y. Cut Flower Co.
Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best Prices. Satisfaction guaranteed. Tel. 4878 Madison.

SPOKANE, WASH.—A card party with all the adjuncts of a Washington's birthday celebration was enjoyed by about 40 members of the Spokane Floral Association at the home of Mrs. W. R. McRoberts, E418 Indiana avenue, February 23, the house being decorated with red, white and blue, with the word "Welcome" over the door. The souvenirs were cardboard hatchets adorned with cherries. Prizes at cards were bouquets of jonquils and daffodils.

PORTLAND, ORE.—President E. B. McFarland of the Rose Society has made plans to have the coming rose show eclipse that of the previous year in every respect, having a far greater range of varieties in the display, with a correspondingly greater number of cash prizes and trophies. To avoid needless confusion, time, and expense the gathering of roses for decorative and display purposes will be accomplished by dividing the city into districts where the members of the society residing in that district will be held responsible for the collection of the flowers.

Charles Millang. August Millang.
MILLANG BROS.
Wholesale Commission Florists,
41 West 28th Street, Telephones 3860-3861 Madison, New York.

Wholesale Flower Markets

NEW YORK, Mar. 11,

Roses, Beauty, special	20 00@30 00
" " fancy	10 00@15 00
" " extra	6 00@ 8 00
" " No. 1	4 00@ 5 00
" " Nos. 2 and 3	1 00@ 3 00
" Richmond	2 00@15 00
" Bride, Bridesmaid, G. Gate Special	5 00@ 8 00
" No. 1	3 00@ 5 00
" No. 2	1 00@ 2 00
Carnations, fancy	2 00
" common	50@ 1 00
Lilies	5 00@ 6 00
Lily of the valley	1 00@ 2 00
Asparagus plumosus strings	30 00@50 00
" per doz. bunches	2 00@ 3 00
Smilax	8 00@10 00
Cattleyas	35 00@50 00
Cypripediums	8 00@10 00
Violets	15@ 40
Gardenias	5 00@20 00
Callas.....per dozen 75	
Paper White Narcissus	50@ 1 00
Roman hyacinths	50@ 75
Mignonette.....per doz., 50@ 75	
Jouquils	1 00@ 1 50
Sweet peas	50@ 75
Tulips	1 00@ 1 50
Freesias	40@ 50
Lilac	40@50 per bunch
Snapdragon	2 00@ 3 00

FRANK MILLANG,
Wholesale Commission Dealer in
CUT FLOWERS
55-57 W. 26th Street, Coogan Building. NEW YORK.
Telephone call, 299 Madison Square.

D. Smith & Co.
Wholesale Florists,
111 West 28th Street,
New York.

John Young
WHOLESALE FLORIST,
51 West 28th St., NEW YORK CITY
Long Distance Telephone, 4463-4 Madison Sq.

HORACE E. FROMENT
WHOLESALE COMMISSION.
American Beauty Roses a Specialty. Roses, Violets, Carnations, Valley, Lilies, Etc.
57 West 28th St., NEW YORK CITY
Telephones: 2200 and 2201 Madison Square.

Walter F. Sheridan
WHOLESALE FLORIST,
Telephones: 3532 and 3533 Madison Sq.
39 West 28th St., NEW YORK

Moore, Hentz & Nash,
Wholesale Commission Florists,
55 and 57 West 26th Street,
Telephone No. 756 Madison Square. New York.

N. Y. Cut Flower Exchange
Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable Wall Space to Rent for Advertising.
V. S. DORVAL, JR., Secretary.

Thomas Young, Jr.
FLORIST,
500 5th Ave., NEW YORK.
Telephone: 847 Bryant.

Tel. 1009 Madison Sq. Established 1872
PERKINS & NELSON
Wholesale Florists
57 West 26th Street, Cor. 6th Avenue. NEW YORK.

Samuel A. Woodrow
WHOLESALE
PLANTSMAN AND FLORIST
53 W. 30th St., NEW YORK.
Out of town orders a specialty.
Telehone 2083 Madison, Cons

Fancy Carnations

We have **big cuts of the Finest Carnations** seen on this market in years, our prices are down to **$1.50 to $2.50 per 100**; according to grade. **LONG BEAUTIES** also in good supply. **ROSES,** of A1 grade and in good crop. Note the following prices.

	Per doz.
American Beauties, extra long stems	$5 00
30-inch stems	4 00
24-inch stems	3 50
20-inch stems	3 00
18-inch stems	2 00
15-inch stems	1 50
12-inch stems	1 25
8-inch stems	75c to 1 00

	Per 100
Bride,	$ 6 00 to $10 00
Bridesmaid, fancy	6 00 to 10 00
Killarney, fancy	10 00
" good	5 00 to 7 00
Kate Moulton, fancy	10 00
" " good	5 00 to 7 00
Richmond, fancy	10 00 to 15 00
" good	6 00 to 8 00

	Per 100
Chatenay, fancy	$10 00 to $12 00
" good	6 00 to 8 00
Uncle John, fancy	6 00 to 10 00
Perle	4 00 to 8 00

ROSES, Our Selection, $4.00 per 100

	Per 100
CARNATIONS, fancy	$2 50
" good	1 50

All other stock at lowest market rates. No charge for packing. Prices subject to change without notice.

WIETOR BROS.,

Wholesale Growers of ..... **CUT FLOWERS** **51 Wabash Ave., CHICAGO**

ACACIA PUBESCENS $2.00 and $2.50 PER BUNCH.

THE CHOICEST NOVELTY ON THE MARKET.

THE LEO NIESSEN CO., Wholesale Florists, **1209 Arch St., Philadelphia, Pa.**

Boston.

BUSINESS VERY POOR.

The outlook is very discouraging in all branches of the business, and with only one reason, the commencement of the Lenten season. No further dependence can this year be placed in other than the demand for funeral work. This is the unfailing standby and without this no house can be successful. We have heard much of this present depression, but with the very satisfactory progress of the season until February, strong hopes were held out that a recovery rather than further plunging would occur to the benefit of the business world. While curtailing expenses where possible it is most commendable to the spirit of employers that, so far, there has been no reduction either in number or wages of conscientious employes. The market is heavily burdened and but sparingly patronized. Consignors have become greatly alarmed at the meagre returns received from their representatives. Roses of all varieties are abundant and vast quantities of carnations are coming in, a large portion of which bring less than half their usual market value. Bulb stock of every description is being handled in quantities and moves slowly.

NOTES.

Norris F. Comley of Lexington, was the contractor for furnishing the hall decorations for the automobile exhibition. Marking the aisles of the main building were hedges of laurel and privet growing in boxes built for the purpose. Trellised arches were erected in places of advantage and through these were hung a combination of southern smilax and artificial wisteria clusters producing a most pleasing and suitable arrangement, calling forth many favorable comments.

One of the most attractive wagons exhibited at the automobile show is that built and owned by the firm of Pierce Bros., Waltham. Weighing two tons with a carrying capacity of three, the car is capable of traveling 25 miles an hour and is driven by a 40 h. p. engine of four cylinders. This firm is the first to provide a practical use of the combined van and auto facilities of an up-to-date delivery system.

Fine Bros., retailers, who have in the past conducted stores in different sections of the city are now located on Massachusetts avenue in the block cornering Boylston street in the Back Bay district.

Max Bros., the well known Tremont street retailers, have added to their always attractive window display a unique and artistic fountain, the body of which is colored glass, and when sprinkled with the light spray of water a most interesting result is obtained.

B.

Baltimore.

PRICES A LITTLE BETTER.

The weather of the past ten days or so has been full of the usual eccentricities of the season, alternating snow, wind and hail, with balmy air and southern skies. Except for a few weddings and one or two largely attended funerals, where flowers were profusely in evidence, the demand for cut stock has been very moderate, and Lent, that season of abeyance from display and luxuries, seeming to be this year celebrated with much of its old-time vigor. The big dances are over and the majority of social events is made up of quiet teas, receptions and card parties where, as a rule, the decorations by the florist are not large or imposing. The great glut of carnations seems over, and this makes some improvement, though it is due rather to more restricted supplies than to larger demands.

NOTES.

Our park system, thanks to the efforts of Major Venable, the president of the commission, who lately resigned his place, has been so largely extended that the chain of parks pretty nearly surrounds the city. Recently, in the northeastern section of the city, 152 acres have been acquired along the Harford road and Herring Run, at a cost of about $90,000. This addition makes the recent increase to our municipal pleasure grounds aggregate nearly 950 acres. The new purchase includes some very picturesque scenery, and lends itself readily to improvements in accord with the remainder of the system. A parterre, which is level and well adapted to the purpose, will be fitted up for playgrounds for young men and boys. Similar provisions will be made in other parks. The city will have soon eight large parks with connecting boulevards, and the results will equal in effectiveness, it is claimed, those of any other American city.

Wm. Madsen, of Govanstown, long one of our best rose growers, and who formerly was celebrated for the high quality of his American Beauty, has discontinued the production of that variety and confines himself to Bride, Bridesmaid, Ivory and Golden Gate, all of which are in the best of condition. On these, this intelligent cultivator concentrates his attention, growing nothing outdoors. He is one of the very few gardeners who has reduced the area of glass on his place, instead of extending it, as is the tendency of the day.

J. J. Harty & Company

Wholesale and Commission

.FLORISTS.

1312 G St., N. W., Washington, D. C.

Phone Connection Main 5011

The exhibition of the National Society of American Sculptors will be held in this city in the Armory of the Fifth regiment of the Maryland National Guard, from April 5 to 26, and the members of the Gardeners' Club and others interested have offered to contribute largely of plants and flowers, potted evergreens, bay trees, etc., to decorate the immense building, which covers about 60,000 square feet of floor space. Chas. L. Seybold is chairman of the committee having the matter in charge.

Early next winter there will be, in the Armory, a display of horticultural and orchard products by the Maryland State Horticultural Society, an association which, in effect, is a state institution, being maintained by appropriations from the public treasury, and whose members are not called on for any fees. A spring show of the same organization will take place at the place of R. Vincent, Jr., & Sons Co. at White Marsh, a few miles from this city.

Wm. Fisher, for more than 50 years gardener at Evergreen, the beautiful estate of the Buckler family near this city, died a few days ago, to the regret of all who knew and respected this faithful worker. Instances of such long service in one place are very rare in this country, and deserve notice.

Anders Anderson, of Govanstown, devotes his space to American Beauty, Richmond and General MacArthur roses. His success with Richmond has been so marked that he will hereafter devote more of his space to that variety. He is raising grafted plants, doing his own grafting.

CARNATIONS.

Very low prices on large lots.

BULB STOCK.

The finest in this line at right prices.

PITTSBURG FLORISTS' EXCHANGE, Pittsburg, Pa.

AMERICAN BEAUTIES

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

GRAFTED AND OWN ROOT ROSES

KAISERIN, CARNOT, KILLARNEY, RICHMOND, LIBERTY, BRIDE and BRIDESMAID.

—Send For Prices—

W. H. ELLIOTT, BRIGHTON MASS.

Pittsburg Cut Flower Co.

(Limited)

WHOLESALE FLORISTS

222 Oliver Ave. PITTSBURG, PA.

CARNATIONS in quantity. Special prices on large orders.

ABSOLUTELY THE BEST POSSIBLE SERVICE.

W. E. McKissick

WHOLESALE FLORIST,

Business Hours 7 a.m. to 8 p.m. 1619-1621 Ranstead St., PHILADELPHIA, PA.

J. B. Murdoch & Co.

714 Penn Avenue, PITTSBURG, PA.

All Seasonable Flowers.

WANTED

Consignors of Trailing Arbutus and Southern Lilac.

JOHN W. McINTYRE,

1601 Ranstead St., PHILADELPHIA.

The business done by the Florists' Exchange for the month of February, notwithstanding the general dullness and financial stringency, exceeded by about 10 per cent the volume of the corresponding month of last year—certainly a very encouraging result.

James Hamilton, of Mount Washington, who has now one of the largest plants in this vicinity, is turning more of his space to roses and is sending the Exchange some good Bridesmaid and Golden Gate.

S. B.

Pittsburg.

NOTHING DOING.

There is still nothing moving in the cut flower line; in fact, business is at a standstill. The oldest person in the business cannot remember such a bad market this time of the year. The commission men seem hit the worst, as they cannot reduce their supply, no matter how poor business is. Carnations and lilies are the worst features, as they do not seem to move at any price. Other bulb stock, excepting daffodills, are about the same. Roses fare a little better. American Beauty is not so much in evidence, but it is just as well, as there is little demand.

CLUB MEETING.

The Florists' Club at its regular meeting March 3 discussed bulb stock and seasonable plants. Ernest Fisher, manager of the South View Floral Co., had a magnificent vase of callas, which were awarded special mention. J. Burch also had a nice collection of these. John Walker, Youngstown, O., gave an interesting talk on a strain of callas he is growing, saying they were far superior to the California stock. John Bader had a nice collection of ferns and azaleas. H. Hein had Baby Rambler roses and azaleas. He was awarded a first prize certificate on the latter. A table of very fine cinerarias, from the Phipps Conservatories, caused much favorable comment. David Fraser got a special mention on Primula obconica. N. C. Madsen, Sewickley, showed the finest Cineraria radia ever shown in this city, for which he was awarded special mention. H. L. Blind & Bros. had azaleas and tulips taking first and second prizes, respectively.

In commenting on the tulips a lively and interesting discussion of tulip bulbs took place between John W. Jones, of Phipps Conservatories, and a Dutch bulb agent. The latter had little to say after Mr. Jones stated the amount of bulbs he had planted and the actual experience he has had with them from when they were planted until they were thrown out. Mr. Jones brought a wagon load of plants from the park—all of them a treat—which included Lilium Harrisii, crown imperials, gesneras, tulips, Dutch, Roman and grape hyacinths. In narcissi he showed Ajax Princeps, Von Sion, Henry Irving, Sir Watkin, Emperor, Paper White and Rugulosus.

NOTES.

Ernest Ludwig and family returned from California March 9 via New Orleans, taking in the Mardi Gras. While away Mr. Ludwig overlooked nothing of interest to florists, and tells of some interesting things in this line.

Chas. Erheart spent several days in Cleveland last week attending the funeral of his father-in-law, who died at Mr. Erheart's residence here.

F. H. Westhoff, De Haven, is disposing of a large lot of carnation cuttings. He is also building a small house for young stock.

A. Weaver, Massillon, O., stopped off a couple of days on his way home from Philadelphia. J.

Wholesale Flower Markets

PHILADELPHIA, Mar 11.

Roses, Tea	6 00@ 8 00
" " extra	12 00@15 00
" Liberty	10 00@25 00
" Queen of Edgely, extra	50 00@75 00
" " first	25 00@40 00
" Beauty, extra	50 00@75 00
" first	25 00@40 00
Carnations	2 50@ 6 00
Lily of the valley	3 00@ 5 00
Asparagus, bunch	50 00
Smilax	15 00@20 00
Adiantum	1 00@ 1 50
Violets, single	50@ 75
" double	1 00@ 1 50
Cattleyas	50 00@60 00
Cypripediums	5 00
Lilium Harrisii	12 00@15 00
Mignonette	3 00@ 6 00
Sweet peas	75@ 1 00
Freesias	2 00@ 4 00
Gardenias	35@ 50

PITTSBURG, Mar. 11.

Roses, Beauty, specials	50 00@60 00
" " extras	35 00@40 00
" " No. 1	15 00@20 00
" " ordinary	6 00@10 00
" Bride, Bridesmaid	6 00@12 00
" Chatenay	6 00@12 00
" Richmond	6 00@12 00
" Perle	6 00@ 8 00
" Killarney	6 00@15 00
Carnations	1 00@ 2 00
Lily of the valley	3 00@ 4 00
Smilax	12 50@15 00
Asparagus, strings	50 00
" Sprengeri	3 00@ 4 00
Lilies	8 00@12 50
Adiantum	75@ 1 00
Violets	50@ 75
Cattleyas	75 00
Paper White Narcissus	2 00@ 3 00
Roman hyacinths	2 00@ 3 00
Sweet peas	50@ 1 00
Daffodils	00@ 3 00

BOSTON, Mar. 11.

Roses, Beauty, best	35 00@50 00
" " medium	20 00@25 00
" " culls	6 00@12 00
" Bride, Bridesmaid	1 00@ 2 00
" Extra	4 00@ 8 00
" Liberty	8 00@12 00
Carnations	1 00@ 3 00
" Fancy	3 00@ 5 00
Smilax	8 00@12 00
Adiantum	75@ 1 25
Asparagus	35 00@ 0 00
Harrissi	10 00@12 00
Callas	8 00@12 00
Daffodils	2 00@ 4 00
Narcissus	1 00@ 3 00
Sweet peas	50@ 1 00

PHILADELPHIA, PA.—Leslie W. Miller, president of the Pennsylvania Museum and School of Industrial Art, delivered an illustrated lecture, February 19, on "Philadelphia of the Future," before the City History Club in the lecture room of the Normal school. The keynote of Mr. Miller's remarks was to build boulevards or imposing avenues radiating from common centers, as well as playgrounds and to take advantage of the natural beauties of the scenery in the immediate vicinity of the city. "The hideous gods of flatness and the gridiron system of streets worshipped here since the founding of the little village by Penn," said Mr. Miller, "must be departed from. In the present haphazard way of doing things the city sprawls out into the suburbs. There is no careful planning for the city beautiful, the city convenient to traverse or the city healthful." With the aid of lantern slides Mr. Miller explained the beauties of Paris and Washington, and told how the latter city was carefully and scientifically planned while yet a dream.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

Milwaukee.

CARNATIONS IN OVER SUPPLY.

During the week there has been an over supply of carnations due to the fact that every grower is now in full crop. The growers all state that the present heavy cut is of only short duration, when we will again be down to normal conditions. There has been a slight drop on roses. Bulbous flowers are slow sale at present.

NOTES.

The carnation exhibition held by the Florists' Club, March 5, was a decided success. The hall was crowded with carnations, roses, bulbous flowers, etc. Only the stock of the local growers was up for competition, with the following results:

Twenty-five red carnations.—N. Zweifel first, with Victory, and second with Robt. Craig. August Manke & Sons third, with Craig.

Twenty-five white carnations.—N. Zweifel first, with White Perfection; Heitman & Baerman second, with White Perfection; C. C. Pollworth Co. third, with Lady Bountiful.

Twenty-five Enchantress.—N. Zweifel first; Aug. Manke & Sons second; Mueller and Schroeder third.

Twenty-five pink carnations, Scott color.—Heitman & Baerman first, with Rose Pink Enchantress; N. Zweifel second, with Winsor, and third, with Rose Pink Enchantress.

The flowers shipped in by out-of-town growers were not judged, but particular mention was made of the splendid showing made by carnations Winona, from F. Dorner Co., La Fayette, Ind.; Afterglow, from E. G. Hill Co., Richmond, Ind.; Lucille, from Fritz Bahr, of Highland Park, Ill., and Aristocrat, White Enchantress and Andrew Carnegie, from the Chicago Carnation Co., Joliet, Ill. Poehlmann Bros., Morton Grove, Ill., showed Mrs. Potter Palmer, and the E. G. Hill Co. Rhea Reid roses, both of which were much admired. Other exhibitors were: Alex. Klokner, with stocks, snapdragon and mignonette; F. P. Dilger, a variety of bulbous flowers; Holton & Hunkel Co., Bride and Bridesmaid roses of splendid quality; Wm. Edlefsen, four vases of carnations; C. C. Pollworth Co., lily of the valley and assorted roses; Heitman & Baerman, bulbous flowers; Hunkel's Seed Store, bulb exhibit. The entertainment committee had provided for liberal refreshments, which were much enjoyed by all present.

Both Heitman & Baerman and F. P. Dilger, who grow the majority of the bulbous flowers in this vicinity, are cutting immense quantities every day. Holton & Hunkel Co. are handling this stock. This firm is also receiving splendid cut Bride and Bridesmaid roses.

The money realized at the florists' dance will be used by the entertainment committee at the coming May dance.

Mrs. Baumgarten, of West Water street, has been forced to remain at home on account of sickness.

Nic. Zweifel is now right in the midst of a crop of carnations, and the stock is of extra quality.

Wm. Edlefsen intends replacing the greenhouse in the rear of his store by a modern structure.

John Rost intends adding one more house during the coming summer.

Robt. Zepnick is sending in some very fine pansies. H.

DAYTON, O.—There was a meeting of the Florists' Club, March 2, in the establishment of J. E. Young, on Fifth street. Business of a routine nature was transacted and the following officers were elected for the ensuing year: H. H. Ritter president; Mrs. Elizabeth Young, vice-president; George Bartholemew, treasurer, and H. Frank, secretary.

Detroit, Mich.
John Breitmeyer's Sons
Cor. Miami and Gratiot Aves.
Artistic Designs.
High Grade Cut Blooms.
We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Omaha, Neb.
Hess & Swoboda,
FLORISTS,
1415 Farnum St. TELEPHONES 1501 and L 1582

Kansas City, Mo.
Samuel Murray
...FLORIST...
1017 Broadway Coates House Conservatory
Both Phones 2670 Main.
Write, Telephone or Telegraph. All orders given prompt attention.

Los Angeles, Cal.
J. W. Wolfskill,
FLORIST,
Telegraph Orders a Specialty. 218 W. 4th St.

Boston, Mass.
HOUGHTON & CLARK,
FLORISTS
Telephone Connection. 396 Boylston St.

Seattle, Wash.
Woodland Seed & Floral Co.,
808 Second Avenue.
Will fill all orders for Cut Flowers, etc. for steamers for Japan and Alaska or any part of the Pacific coast. A. L. AABLING, Gen. Mgr.

Louisville, Ky.
JACOB SCHULZ,
644 FOURTH AVENUE.
Cut Flowers of BEST QUALITY in season, delivered promptly to any address.
Write, Telegraph or Telephone
Cumberland and Home Phones 223 and 984

Nashville, Tenn.
Joy Floral Co.,
610 CHURCH STREET.

Atlanta, Ga.
ATLANTA FLORAL CO.
41 PEACHTREE STREET.

Brooklyn, N. Y.
Robert G. Wilson
Fulton St. and Greene Ave.
Greenhouses: Short Hills, N. J.
— Deliveries in —
Greater New York, Long Island and New Jersey.
Trade orders from all parts of the country filled for delivery at residence, steamer, hotel, or theater on wholesale basis. Satisfaction guaranteed. Wire or telephone.

Evansville, Ind.
THE
Wm. Blackman Floral Co.,
402 MAIN STREET.
Prompt attention given to all mail, telephone and telegraph orders.

Galveston, Tex.
Mrs. M. A. Hansen
—FLORIST—
Special attention to Telegraph or Telephone orders. 'Phone 1912.

St. Paul, Minn.
HOLM & OLSON,
ST. PAUL.
THE LEADING FLORISTS OF THE NORTHWEST
Orders will be well cared for anywhere in MINNESOTA AND THE DAKOTAS.

Rochester, N. Y.
J. B. KELLER SONS,
FLORISTS,
25 Clinton Avenue, N.
Rochester Phone 506. Long Dis. Bell Phone 2189.

Washington, D. C.
Blackistone
14th and H Streets.

New Orleans
CUT FLOWERS
For Tourists and General Trade.
Wire or mail. Highest Grade Stock Only.
URIAH J. VIRGIN, 838 CANAL ST.

Denver, Colo.
FLORAL DESIGNS AND FLOWERS
Best Quality on Shortest Notice
DANIELS & FISHER
Order by mail, telephone, telegraph or cable. Cable address: "Daniels, Denver."

Louisville.

BUSINESS DULL.

Business conditions the past week have been very slow, nothing moving very lively with the possible exception of green goods, which are still scarce. Roses are in good supply. They are of good quality and find a fair demand. Carnations are of very good quality, and are in good supply, but the demand is very slow. Violets and lily of the valley are in good supply, but have little demand. Bulbous stock, especially narcissi, is very plentiful, and brings a very low price. The only encouragement we find is that other markets are in about the same shape.

SOCIETY MEETING.

The regular monthly meeting of the Kentucky Society of Florists was held at Fred L. Schulz's wholesale house last Tuesday, with an unusually good attendance, which was very gratifying to the officers, who have been working hard to have the meetings well attended. The show was discussed for some time, and it is hoped the members will have more to report at the next meeting than the last. It will never be a success if three or four are depended on to do all the work, the balance doing nothing but criticising. The secretary was the subject of some very uncalled-for remarks at the last meeting, which the real live and hard working members denounced. When it came to the subscriptions received for the show, it was found that the secretary was not sleeping, and that he had about three or four times as much subscribed as the balance of the members together. This kind of knocking does not do much good, and the secretary is not discouraged, but will work with all his might to make this show a credit to the society, and one long to be remembered.

F. L. S.

Cincinnati.

STOCK OVER PLENTIFUL.

The least said about business the better. Flowers pour in from all directions and are sold for whatever they will bring. There are no fixed values with the possible exception of good American Beauty roses and fancy violets. The carnation glut still continues and roses are in over supply. Bulbous stock is sold at any old price just to get rid of it. Callas and Harrisii lilies are plentiful with little or no demand for them. Smilax, Asparagus Sprengeri and A. plumosus are in good demand and are pretty well cleaned up every day.

NOTES.

Edward Ellison who for years conducted a greenhouse establishment out in the beautiful suburb of Clifton has returned from England whither he went last November with the intention of spending his declining years there. He states that conditions in England are a great deal worse than in this country.

Our old friend Henry Schwarz of Norwood, came down town last Saturday, the first time we have seen him in several weeks and says business has been so good with him that he could not spare the time to get away.

George & Allan claim that despite the immense amount of disease in the Easter lilies, they will have enough to go around as they planted enough bulbs to counteract all losses by disease.

F. C. Ludwig and his son of Allegheny, Pa., stopped off on their way home from California and were delighted with their trip, stating it was money well spent.

C. J. Ohner of Gillett's is again at his desk after a two weeks' tussle with tonsilitis and other complications.

S.

SANDUSKY, O.—The city greenhouse is in a very bad way, on its last legs in fact, and a new one is badly needed. The board of public service is seeking an appropriation for a new one, to be located in one of the parks.

ASPARAGUS, BOSTONS, AZALEAS,

Plumosus Nanus, 2½-in., $3.50 per 100, $30.00 per 1000; 3-in., 6c; 3½-in., 10c; 4-in., 12c; 5-in., 20c; 6-in., 30c. Comorensis, 2-in., 2c; 2½-in., 3c; 3½-in., 6c. Sprengeri 2½-in., 3c; 3½-in., 8c; 4-in., 10c.

Bostons, 2½-in., 4c; 3-in., 8c; 6-in., 40c; 7-in., 65c; 8-in. $1.00 to $1.50; 10-in. $1.50 to $2.00.

Azaleas. We are now booking orders for Easter delivery. Our stock is the best in the west.

Phones Bell Forest 1453. Kinloch, Delmar 474 L.

J. W. DUNFORD, Kingshighway and Page Blvd., Greenhouses at Clayton, Mo. St. Louis, Mo.

Cut Flowers or Designs

Will be delivered for the Trade on Wire or Mail. Orders in Best Qualities and Prices.

St. Louis, Mo.

Fred C. Weber,

FLORIST,

Established 1873. Bell, Lindell 676. 4320-4328 Olive St.

San Francisco, Calif.

J. B. Boland Co.

Successors to Sievers & Boland.

FLORISTS,

47-49 Geary Street.

Cleveland, O.

The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in NORTHERN OHIO.

New York.

MYER, FLORIST,

609-611 MADISON AVE.

Phone 5297 Plaza.

WASHINGTON D. C.

Gude's.

St. Louis, Mo.

WRITE, WIRE OR PHONE YOUR ORDERS TO

YOUNGS,

1406 Olive Street.

Regular discount allowed on all orders, either Plants or Cut Flowers.

Phones Bell, Main 2306. Kinloch, Central 4981.

Dayton, O.

Matthews,

—FLORIST—

16 W. 3rd Street.

Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones

Chicago.

HAUSWIRTH FLORIST

M. C. and J. E. Hauswirth.

Auditorium Annex.

Mail, telegraph or telephone orders filled promptly in best style.

Kansas City, Mo.

WILLIAM L. ROCK Flower Co.,

Will carefully execute orders for Kansas City and any town in

Missouri, Kansas or Oklahoma.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in WISCONSIN.

Indianapolis, Ind.

Bertermann Bros. Co.

FLORISTS

.....241 Massachusetts Ave:

Albany, N. Y.

EYRES

Flowers or Design Work.

DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.

11 NORTH PEARL STREET,

Denver, Colo.

The Park ...Floral Co.

J. A. VALENTINE, President.

Muskogee, Okla.

The Muskogee Carnation Co.

Wholesale and Retail in Cut Flowers.

We grow all our own Cut Flowers. Funeral work orders our specialty. Wire or mail order. Prompt attention.

Kansas City, Mo.

GEO. M. KELLOGG,

906 Grand Avenue.

KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

Buffalo, N. Y.

Palmer's

W.J Palmer & Son, 304 Main St.

The Seed Trade.

American Seed Trade Association.

Geo. S. Green, Chicago, Pres.; M. H. Duryea, New York, First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-sixth annual convention, June 23 to 25, at Hotel Ponchartrain, Detroit, Mich.

WISCONSIN seedsmen are nervous over the possibilities of prosecution under the new law.

SEED ORDERS by mail are reported coming in freely everywhere and counter trade is making a start.

A CRUSADE has been organized in Texas to eradicate mistletoe which has became a serious menace to the forests of the state.

IT is reported that the Braslan Seed Growers' Co. has booked three individual orders for lettuce seed which together total 43,000 pounds.

OUR New York representative states that there is considerable complaint from the growers who force bulbs for that market, a large proportion having turned out worthless.

NEW YORK.—Wm. Elliott & Sons will move May 1 from Fulton street to 42 Vesey street. The change is made necessary by the requirements of their large and increasing business.

THE FRENCH BULB crop, according to advices dated February 22, gives little indication yet of the probable harvest and it is thought that firm prices will be fixed late in the season and undoubtedly depend considerably on what the advance demand is from the United States for this stock.

THE pure seed bill introduced in the Maryland legislature by Chas. A. Duvall is designed to insure against the selling of adulterated, impure or weak seeds. The general plan of the bill follows the line pursued by the fertilizer and pure food law which commands the manufacturer and dealer to have a guarantee placed on their packages and it places upon the director of the experiment station the work of doing as much inspection as is necessary to see that the guarantees are carried out.

New Seed Growing Firm in California.

Articles of incorporation of the California Seed Growers' Co. were filed in the county clerk's office recently. The company is capitalized at $100,000 and the principal place of business is Gilroy. Following are the directors and the amounts they have subscribed: Ah Him, $15,000; H. M. Wolfe, $10,000; Ed Rohi, $5,000; L. W. Wolfe, $2,500; John J. Wolfe, $2,500.—San Jose Mercury.

[Ah Him, the first named incorporator, has been for years connected with Kellogg & Morse and C. C. Morse & Co., as foreman-grower on certain ranches. Ah Him plans a six months' trip to China returning in the autumn.]

Braslan Seed Growers' Co.

Growers for the Wholesale Trade Only.

SAN JOSE, CAL.

Destructive Fire at Clinton, Wis.

Respecting the serious fire that occurred at the L. L. Olds Seed Co.'s establishment at Clinton, Wis., March 5, we have received the following from Messrs. Olds: "The fire started on the second floor of our main 3-story warehouse at about 6:30 Thursday evening. How it originated we do not know, but think it started in a private room of our watchman. We had been out of the building but a few minutes when the alarm was given. The fire company turned out promptly and we have a fairly good water supply, but it was difficult to locate the fire. At one time it was thought everything was under control, but later the flames burst through the roof and it was then evident that the building was doomed. We saved all our office furniture, mailing list, safe, etc., and a few bags of seeds on the first floor. The total loss is probably about $30,000, fairly well covered by insurance."

AFTER THE FIRE AT L. L. OLDS SEED CO., CLINTON, WIS.

Boston.

Trade has opened up well this year and we look forward to a good season, though the florists' trade around here has been quiet of late.

James H. Cheyne, who has been employed by Schlegel & Fottler for a few years severs his connection with them to take a position in the office of E. L. Beard, landscape architect, 155 Milk street, Boston, Mass.

Peter Miller, secretary of the Thomas J. Grey Co., attended a reception of the Caledonian Society in New York March 6 as representative of this city. G.

Chicago.

Grass seed contract prices on the board of trade March 10 are noted as follows: Prime timothy, $4.75 (no bids); medium red clover, $20; choice white clover, $15.

Onion set prices for immediate delivery are about as follows: Yellow, $2.50; red, about $2.75; white, $3 for 32 pounds.

Visitor: Chas. P. Braslan, San Jose, Cal.

Wholesale Seedsmen's League.

THE NOMENCLATURE QUESTION.

A special meeting of the directors of the league, F. W. Bruggerhof presiding, was held February 18, consequent on the following communication received from Messrs. Dreer and Burpee:

"Philadelphia, February 8, 1908.

Mr. Burnet Landreth, Secretary Wholesale Seedsmen's League, Bristol, Pa.

"Dear Sir:—Through a misunderstanding, an unfortunate difference of opinion arose between our two houses as to the cataloguing of the 'Fordhook Bush Lima Beans,' which has been amicably adjusted; but, to prevent any confusion or difficulties of this kind in the future among the seed trade, both houses feel that the executive committee of your league should take up this question immediately, and endeavor to formulate a plan which shall control the naming, cataloguing and selling new varieties of seeds, so that the proprietary rights of the original discoverer or introducer of such new varieties shall be recognized and protected in the best interests of the seed trade.

"Yours very truly,
"W. ATLEE BURPEE & Co.,
"HENRY A. DREER, INC."

At this special meeting there were passed the following resolutions:

"Whereas, The Society of American Florists as long ago as 1891 accepted the report of the committee of nomenclature on 'The Right to pre-empt the Names of New Plants,' worded as follows:

" 'In the case of new species of plants, the first published botanical name takes precedence, but this publication must be technical and made in a recognized botanical or horticultural periodical or work, and not in a trade catalogue. In the case of florists' varieties, or garden varieties as they are more commonly termed, a botanical description is unnecessary, but the plant should be pointedly described, and the first authenticated name published, either in the way of reading matter or as an advertisement in a general horticultural or floral magazine or widely circulated trade catalogue, or officially noted when the plant is exhibited at some prominent horticultural exhibition, or before some regularly organized public body of horticulturists should be recognized as the true varietal name, and no matter should the same variety originate elsewhere, the originator in the second case must not disseminate his stock under any other than the original name.'

"Resolved, That as the business of growing, selling and distributing seeds has become such an important pursuit, it now seems absolutely necessary that those of us having the interests of the business at heart should recommend our fellow seedsmen to respect the energies

PETER'S NURSERY COMPANY

Growers and Importers of Hardy Plants

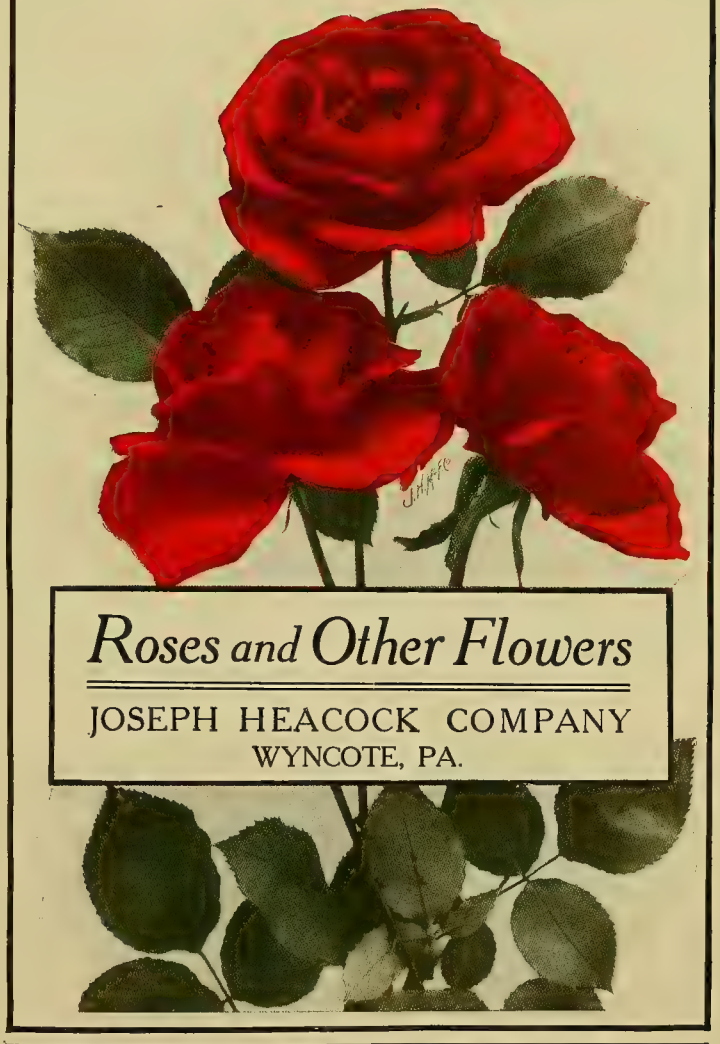
CABLE ADDRESS
"PENUCO"

KNOXVILLE TENN.

This letterhead can be equaled by our processes in any one of a multitude of different flowers It is a tremendously attractive thing, and will be found worth all it costs.

Price, f. o. b. Harrisburg: First thousand, $22; additional thousands, $9 each. Cash with the order.

THE McFARLAND PUBLICITY SERVICE
HARRISBURG, PA.



Roses and Other Flowers

JOSEPH HEACOCK COMPANY
WYNCOTE, PA.

This shows a cover of a very effective combination announcement and booklet. Top part of design may be used to splendid advantage for letterheads and postcards, Booklet contains eight pages and covers, other pages in one color only, printed on coated paper.

Price, f. o. b. Harrisburg: First thousand, $60; additional thousands, $15 each. Cash with the order.

Postcards in full colors are most effective in building trade for florists. They never escape the attention of the persons who receive them, and they are economical from a postage standpoint. In full colors on the back and one color on the front. If ordered with booklet—

Price, f. o. b. Harrisburg: First thousand, $20; additional thousands, $7.50 each. Cash with the order.

Letterheads, four colors, ordered with booklet and cards, $22 for first thousand; $9 for additional thousands. Cash with the order.

THE McFARLAND PUBLICITY SERVICE
HARRISBURG, PA.

Such a letterhead as that shown here will give tone to the business of any florist—and sell stuff. We have in stock Rose, Carnation and Violet designs.

Price f.o.b. Harrisburg: First thousand, $7; additional thousands $4 each. Cash with the order.

BAKER BROS. CO., Inc.

TREES, PLANTS, SEEDS

Office and Seed Store, 508 Houston Street
Nursery and Greenhouses, Riverside

Fort Worth, Texas, _____ *190*

The Picture's the Thing in Selling Flowers

TASTY printed matter, reproducing flowers from photographs, will create increased demand for the flowers themselves. If the photographic reproductions are made in the natural colors, by modern processes, an even greater increase in demand will result.

The live and up-to-date florist has stationery and printed matter in harmony with his stock. The McFarland organization makes such stationery for this kind of florists. The average job printer cannot begin to do it—he doesn't know how and hasn't the facilities.

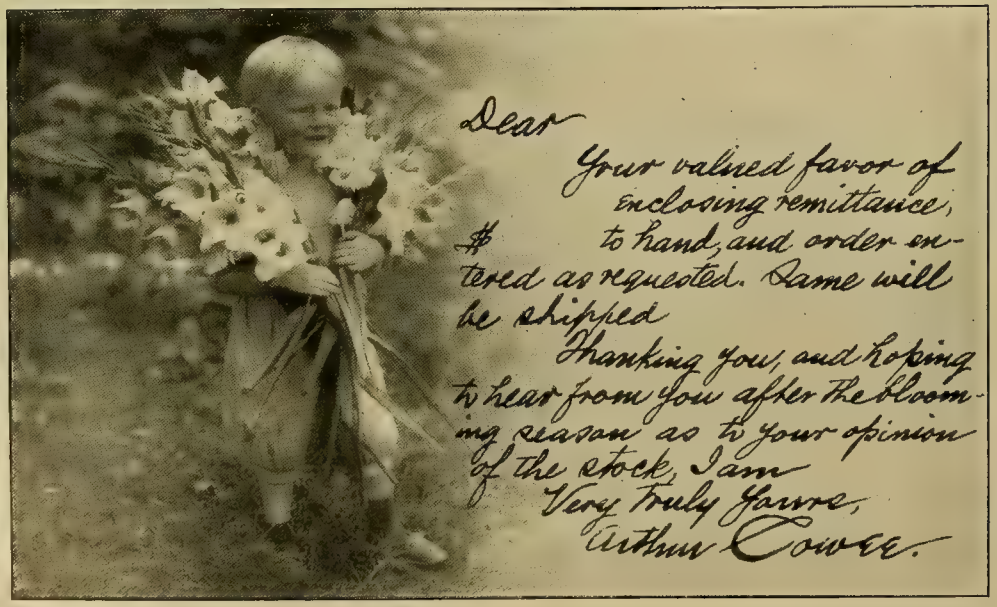
The surpassing equipment and trained men at our service enable us to turn out work of a quality not obtainable elsewhere at any price—whether on a job of 500 postcards or 100,000 big catalogues.

Here are some specimens with prices. Over 10,000 photographs of other good subjects from which to choose are awaiting your call. Further information cheerfully supplied.

There's a form of printed matter your business needs. Ask The McFarland Publicity Service!

A couple of cents spent in giving every order the courtesy of acknowledgment will help you to secure additional business from chance and regular customers. Postcards are the ideal form.

Price f.o.b. Harrisburg: First thousand, $15; additional thousands, $3.50 each. Cash with the order.



Postcards are a splendid medium through which to tell the people where you are and what you sell. All the back and one-half of the front of the card may be used for your message.

Price f.o.b. Harrisburg: First thousand, $15; additional thousands, $3.50 each. Cash with the order.

We have in stock a large number of engravings suitable for the illustration of postcards. When these are used, with a type instead of an engraved message, we can give better figures.

Price f.o.b. Harrisburg: First thousand, $6.50; additional thousands, $3 each. Cash with the order.

In our stock of over 10,000 original horticultural photographs, there are thousands which no florist in your section has used. These photos enable us to give endless variety to postcards.

Only a few examples of our designs can be shown hereon. Write us, and we will submit others to suit your needs.

THE McFARLAND PUBLICITY SERVICE, HARRISBURG, PENNSYLVANIA

and progressive methods of each other; and it is further

"Resolved, That the originator, discoverer, or introducer of a new variety of seed, grain or plant has the sole right of naming said variety, and that this name should be the one under which this variety is to be known in the trade thereafter, and the name not altered (except that it may be optional to leave off the name of the individual or firm, when used as a prefix) or changed in any way until it is absolutely demonstrated by continued selection the variety has been so improved or changed as to warrant its being given a new name.

"Resolved, That where a seedsman spends time and money in search of new and distinct varieties of seeds, that it is his right to name any variety he may discover which has merit and which has not heretofore been catalogued or offered by the American seed trade.

"Resolved, That we, the board of directors of the Wholesale Seedsmen's League, hereby express our strong disapproval of the practice that has occasionally obtained with some dealers of offering under new names such varieties of seeds, or plants, which should be known only under the names given to them by their introducers; which original names may be fairly considered as trademarks, and the property of the originator or introducer.

"Resolved, That we hereby pledge the influence and the support of The Wholesale Seedsmen's League to the end that, when introducers of newly discovered or improved varieties of seeds shall have disseminated the same under special names, they should be protected against unwarranted and unfair competition through the offering of these novelties by others under other names than those given to them by the originators or introducers.

"Resolved, That the secretary of the league be instructed to take up this subject with the American Seed Trade Association, with a view to having said association pass suitable resolutions at the next annual meeting in June, to the effect that every new variety of seeds, either vegetable, flower or grain, that may be introduced and catalogued hereafter by an American seedsman should be registered under its proper name, with a full description and source of origin, with the secretary of either the Wholesale Seedsmen's League or the American Seed Trade Association, as may be decided upon after conference of committees to be appointed by the presidents of the two organizations, said joint committee being authorized to fix the amount of the nominal charge to be made to cover cost of such registration and attendant expenses. It is recommended that either said joint committee or a special committee, be made a standing committee to consider all questions in dispute as to the naming of varieties, and if impossible to adjust same amicably between the disputants, to submit reports to the board of directors of both organizations.

"Resolved, That copies of these resolutions be sent to each member of the Wholesale Seedsmen's League, and that a sufficient number of copies be sent to the secretary of the American Seed Trade Association for mailing to each member thereof.

"Such distribution of copies of these resolutions to be accompanied by an explanation from the secretary that we seek the co-operation of all honorable houses, in the interests of all, in an earnest endeavor to fix firmly the usages of the American seed trade upon the highest plane of business ethics."

The secretary was instructed to mail a copy of this action to all members of the league, and to other seedsmen in close affiliation.

BURNET LANDRETH, Sec'y.

Bristol, Pa., February 20, 1908.

ONION SETS.

WE ARE HEADQUARTERS

YELLOW - RED - WHITE

WRITE FOR PRICES.

SEEDS Leonard's Vegetable Seeds Are The Market Gardeners' Standard.

Largest Growers of Peas, Beans, and Garden Seed in the Central West.

Catalogue Now Ready. Send For It.

Leonard Seed Co., - CHICAGO.

LAWN GRASS SEED in Bulk and Packages

Dickinsons, Evergreen, and Pine Tree Brands

SPECIAL MIXTURES SEED FOR GOLF GROUNDS

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Royal Netherlands Bulb Nurseries and Export Trade.

HILLEGOM, HOLLAND.

Wholesale growers of the leading sorts of Hyacinths. Tulips, Narcissus Crocus, Spiræas, Gladiolus, Pæonies, etc., etc. We further ask your attention to our superior quality and special prices of French Bulbs, Roman Hyacinths, Paper White Gr., etc. Ask quotations from our traveler

MR. G. HYLKEMA,

care of Messrs. Maltus & Ware,

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Who will also send you, on demand, catalogue and special prices of all

HOLLAND BULBS AND PLANTS.

HJALMAR HARTMANN & CO.

Growers for the Wholesale Trade Only.

31 Barclay St. NEW YORK. 12 Stormgade, COPENHAGEN.

CAULIFLOWER and CABBAGE SEED

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SPECIALTY GROWERS.

Purest Strains GARDEN PEA and BEAN SEED.

For the Wholesale Trade. ALPENA, MICH.

Peas AND Beans

Alfred J. Brown Seed Co.,

GRAND RAPIDS, MICH.

ONION Sets

Write for samples and prices

Seed Potatoes, Red River Stock.....

VAUGHAN'S SEED STORE, Chicago.

MICE PROOF SEED CASES.

SEND FOR BOOKLET.

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S. M. ISBELL & CO.

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Contract Seed Growers,

Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.

Correspondence Solicited.

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Catalogue or special quotation on request.

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Wholesale Seed Grower

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Address all communications to our permanent address

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ONION, LETTUCE, SWEET PEAS. and other California Specialties.

W. J. Eldering & Son,

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OVERVEEN. HAARLEM. HOLLAND.

Headquarters for High Grade Hyacinths, Tulips and Narcissi. We do not sell at Retail. Write for special quotations on large quantities.

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Am. Seed Trade Association

$2.00

In either stiff or flexible cover. Address orders to AMERICAN FLORIST CO., CHICAGO.

THE WORLD'S GREATEST ASTER.....
MISS KATE LOCK
Colors, Enchantress Pink or White, 50c per trade pkt. No checks. Instructions, "How to Grow Asters" with every order. Not guaranteed unless bearing my signature.
J. H. LOCK, Aster Specialist, 41 Manchester Ave., Toronto, Ont.

MARKET GARDENS.

AILSA CRAIG onion is a very profitable variety—start early in hotbeds.

A GLUT in the cantaloupe crop the coming season is predicted. California and Arizona will furnish the earliest, and, it is said, the best quality; one Tennessee cantaloupe association has given up truck growing for 1908.

Prices of Indoor Vegetables.

The prices of indoor vegetables at leading points March 7 were as follows: New York, cucumbers, No. 1, $1.50 to $1.87 per dozen; No. 2, $3 to $5 per box; lettuce, 15 cents to 60 cents per dozen; mushrooms, 25 cents to 55 cents per pound; mint, 50 cents to 75 cents per dozen bunches. Chicago, cucumbers, $1.35 to $2 per dozen; radishes, 30 cents to 45 cents per dozen bunches; mushrooms, 25 cents to 85 cents per pound. Cincinnati, cucumbers, $2 to $2.25 per dozen; mushrooms, 40 cents to 50 cents per pound. Pittsburg, cucumbers, $15 to $18 per box. Boston, tomatoes, 30 cents to 40 cents per pound; cucumbers, $9 to $12. St. Louis, cucumbers, $1.25 to $1.75 per dozen. Minneapolis, cucumbers, $2 per dozen. Denver, cucumbers, $2.50 per dozen.

Green Fly on Lettuce.

ED. AMERICAN FLORIST:—

I am troubled with green fly destroying the lettuce in my greenhouse. I have tried a good many things, such as whale oil soap, tobacco extract and tobacco juice, also Carman's Antipest; the latter I used first as directed, but it did not destroy the fly, so I increased the mixture from 1 to 80 to 1 to 30, but yet I found many of the pests alive after the last application. Would you kindly inform me what to use to get rid of the plague? D. W.

Greenfly on lettuce is easily controlled if done timely, that is, never given any headway; once this pest has a good start on lettuce of fair size, it is quite difficult to dislodge. There are so many twists and hollows in a lettuce leaf that the insects find an almost impenetrable hiding place. To attack them with anything like spraying is useless because most of them will not be reached. The only way is to poison the air they breathe, and this must be done in such a way that the long duration will finally reach every nook and corner. For this purpose there is nothing so cheap, safe and sure as tobacco smoke properly made. As generally applied it is ineffective against an established brood of greenfly; the quick burning will force the heat and smoke to the roof and the best part is lost; what is needed is a slow, steady smoke of long duration, to overcome every insect, no matter how well hidden.

I would advise you to thoroughly study instructions given in these columns last fall [See issue of September 28, 1907, page 517. ED.] for using chopped tobacco stems in stove-pipe smoker. You should use these every night for one week; if at all possible, have them refilled each night, to give two charges a night. Then twice a week; then once a week thereafter. A course like that, faithfully carried out, will do the work. To succeed with lettuce, you must learn to start with clean plants, and then keep them clean, which can be done by faithfully smoking once a week. The rule should be to have not a single greenfly on the place. It can be done and is the cheapest way. Further, to allow lettuce to dry out badly, or to permit temperatures to run too high, or to fluctuate much, or to have poor soil; all these will breed greenfly almost faster than they can be killed. Insects do not like well fed and well cared for plants.

MARKETMAN.

Imports.

During the week ending March 7, imports were received at New York as follows:

McHutchison & Co., 234 cases plants, four bls. plants, six cases flower roots.

P. Ouwerkerk, 168 cases trees.

Frank H. Darrow, 61 cases, nine bls. plants.

Rolker & Sons, 23 cases plants.

Wm. Elliott & Sons, 13 cases plants.

Vaughan's Seed Store, 11 cases plants, four cases bulbs, two pkgs. two cases seed.

P. Henderson & Co., four pkgs. plants, three pkgs. seed, 10 bags seed.

J. M. Thorburn & Co., six cases, two pkgs. plants; one case, two bags seed.

Elliott Nursery Co., four pkgs flower roots.

A. T. Boddington, one case bulbs.

To others, 526 cases plants, 74 pkgs. 60 bls. plants, 34 cases trees, 39 cases flower roots, 18 cases bulbs, one bskt. flower roots, 159 pkgs. 93 bgs. six cases seed, 205 bags sunflower seed, 100 bags poppy seed, 300 bags clover seed.

FRANCIS BRILL, Grower and Dealer,
Hempstead, Long Island, New York.
—Choice Seed for Gardeners, Truckers and Plant Growers.—
Long Island Cabbage Seed, Cauliflower, Egg, Pepper, Tomato, Etc.
Quality Finest. Price Lists Free. Wholesale and Retail.

ASTER SEED
Our descriptive price list of High Grade Aster Seed is now ready, and will be sent free on application.
It will soon be time to sow your main crop of Aster Seed. Give our strain a trial. None better.
"Pointers on How to Grow Asters Successfully" sent free with every order.
VICK & HILL CO.
P. O. Box 613, Rochester, N. Y.

Vegetable Plants.

	Per 100	1000
Tomato, Mayflower, Lorillard, Earliana, Early Jewel, Early June Pink	$0 30	$2.00
Beets, Egyptian and Crosby's	.20	1.25
Celery, White Plume and Golden Self Blanching	.20	1.25
Parsley, Moss Curled	.30	2.00
Cauliflower, Early Snowball	.50	
Lettuce, Grand Rapids		1.00
Pepper and Egg Plants, ready for transplanting	.40	2.00

R. VINCENT, Jr. & SONS CO.,
WHITE MARSH, MD.

VEGETABLE SEEDS
SOW NOW.

	Per ¼ lb.	Per lb.
Lettuce, Grand Rapids Forcing	$ .30	$1.00
May King	.40	1.25
Cucumber, Evergreen White Spine	.25	.75
Davis Perfect	.35	1.25
Radish, Vaughan's Cardinal Forcing	.40	1.50
Improved Scarlet Globe	.25	.70
20 Day Forcing	.20	.60
Scarlet Globe White Tip	.20	.60
Tomato, New Globe	.75	3 00
Comet pkt., $ .25		
Sunrise pkt., .25		
Cauliflower, Earliest of All pkt., $ .25; oz., $2.50		

Vaughan's Seed Store, CHICAGO. NEW YORK.

RELIABLE SEEDS.
SOW NOW
Primula Obconica Grandiflora
New Hybrids as:
Blood Red, Blue, Carmine, Pink, Purple, Violet, Pure White, Compacta, Gigantea, Fringed mixed Hybrids, each separate. Trade pkt, 50c. 6 Trade pkts. $2 50. My new price list will guide you through reliable seeds.
Ask for same.
O. V. ZANGEN, SEEDSMAN, Hoboken, New Jersey.

FISKE SEED CO.
Can supply new, fresh seed to the florists for immediate use.
ASTER SEED A SPECIALTY.
Special florist list free.
H. E. FISKE SEED CO.,
12 and 13 Faneuil Hall Sq., BOSTON, MASS

Tuberose Bulbs
GENUINE MEXICAN EVERBLOOMING
1st size,.....$8.00 per 1000
2nd size..... 6.00 per 1000
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QUALITY SEEDS BULBS PLANTS
SEND FOR CATALOGUE.
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VAUGHAN'S
FLORISTS' FLOWER SEEDS.

PRIMULA OBCONICA SEED CHOICEST STRAIN IN EXISTENCE.

Obconica, the type		1- oz.,	$0.50	Trade Pkt.	$0.15
"	Grandiflora, mixed	1-16 oz.,	1.00	"	.25
"	" Fimbriata	1-32 oz.,	1.00	"	.50
"	" Bright Rose	1-32 oz.,	1.00	"	.25
"	" Kermesina	1-32 oz.,	2.00	"	.50
"	" White	1-32 oz.,	1.00	"	.25
"	Gigantea Rosea, new	1-32 oz.,	3.00	"	.50
"	Kermesina, new, crimson			"	.35

10 per cent. Special Cash Discount. On orders over $2.00 for Flower Seeds if the cash is enclosed. **10 per cent.** This discount does **not** apply to Asparagus Seed. Cash discount on this is 2 per cent.

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For Prices on any thing in our Line.

St. Louis Seed Co.

"The Home of Pure and Sure Seeds."

784-786 N. 4th St. St. Louis, Mo.

Trouble with Easter Lilies.

ED. AMERICAN FLORIST:—

What can we do to get our Lilium longiflorum multiflorum to grow taller? They are only from two and one-half to nine inches high and are already showing buds. How will they come for Easter? We keep our house about 65°-68° at night and about 70°-72° by day. Would nitrate of soda help them or would that bring the buds out too soon?

R. P.

There are often a few bulbs that come in the way you describe, but, if there is a large percentage, either the bulbs were of poor quality or they were not well rooted before bringing them into heat. Plants showing flowers now will be in time for Easter if kept in quite a cool house and in the heat you are keeping up will probably be too early. Nitrate of soda will not help you any now. The best thing you can do is to let them come along as slowly as possible in the coolest house you have and not attempt high feeding.

G.

Trimming Bay and Box Trees.

ED. AMERICAN FLORIST:—

When is the best time to trim bay and box trees?

SUBSCRIBER.

Unless the plants will be exposed to frost do it now. If they are to go outdoors trim them as soon as danger of frost is past.

G.

WE ARE SPECIALISTS IN
LILY OF THE VALLEY

Therefore please buy your **Lily of the Valley** from us. All orders for import are packed under our personal supervision on the farms in Germany while we can ship from New York from cold storage from our stock until the same is exhausted. Be sure and give us your full orders early enough and you will be satisfied. The small profits we make on this article forbid us to allow more than 3 months credit.

	Per 1000		Per 1000
Exhibition, reassorted Valley	$13.00	Superior Valley, for late forcing and cold storage	$10.50
Excellenta Valley	12.00		

Special large orders for import. Prices upon application.

JOHN SCHEEPERS & CO.,

4 and 6 Old Slip, NEW YORK.

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HENRY METTE QUEDLINBURG, GERMANY.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: **Beans,** Beets, Cabbages, **Carrots,** Kohl Rabi, Leek, Lettuces, **Onions, Peas, Radishes,** Spinach, Turnips, Swedes, **Asters,** Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspurs, Nasturtiums, **Pansies,** Petunias, Phloxes, Primulas, Scabious, **Stocks,** Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, mixed), the most perfect and most beautiful in the world, $5.00 per oz.; $1.50 per ¼ oz.; 75c per 1-16 oz. Postage paid, Cash with order.

All seeds offered are grown under my personal supervision on my own grounds of more than 3,000 acres. and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

List of my novelties in flower seeds for 1908 sent on application.

The Nursery Trade

American Association of Nurserymen.
J. W. Hill, Des Moines, Ia., President; C. M Hobbs, Bridgeport. Ind., Vice-President; George C Seager, Rochester, N. Y., Sec'y.
Thirty-third annual convention to be held at Milwaukee, Wis., June, 1908.

BEAUMONT, TEX.—The Southeastern Nursery Co. has been incorporated with capital stock $6,000. The incorporators are E. McMickin, J. W., T. A. and A. S. Sporlock.

Miami Valley Nurserymen Meet.

The Miami Valley Nurserymen's Association met February 28, at the Phillips house, Dayton, O. Theodore Densmore, of Tippecanoe City, was chosen president, and William M. Scarff, of Yellow Springs, secretary. J. W. McNary, of Dayton, Charles Peters, of Troy and M. F. Barnes, of Hamilton, were chosen as the executive committee.

Chicago.

The rapid growth of the landscape department of the Peterson Nursery has been such that the firm has found it necessary to establish branch offices at Detroit, Mich., and Toledo and Cleveland, O. The firm has also been fortunate enough to have recently secured room enough on the thirteenth floor of the Stock Exchange building to unite its local landscape office with the general offices, at the same time increasing its force. This broadening out of the work is directly due to the rapid extension of landscape work in the west. To this same cause is also due the fact that the business depression seems to have had no effect on this line of trade.

Visitors: J. H. Mumm, president and manager of the Spokane Nursery Co., Spokane, Wash., which is adding a range of 12 greenhouses each 35x100 feet to its nursery; John T. Withers, Jersey City, N. J.

John T. Withers on the Care of Trees.

John T. Withers, the well known landscape architect of Jersey City, N. J., gave a most interesting and instructive address on the care of trees at the Academy of Sciences, Lincoln park, Chicago, on the evening of March 7. Commencing with some very beautiful slides of trees of historic and general interest, he passed to the effects of trees upon the landscape in various positions, showing how trees give an excuse for winding a walk; how they round out a beautiful picture, form a background for flower beds and make otherwise unattractive streets beautiful. He speaks with all the earnestness of a tree lover and later he tells in plain and simple language, illustrated by views of the trees during every stage of the process, how to repair the ravages of time in our monarchs of the forest. And here, as a practical man of long experience, is where Mr. Withers shines more particularly. His methods and the reasons for practicing them are so clearly explained that no one of ordinary mental capacity could fail to grasp them.

Among the notable trees shown on the screen were the famous Charter oak of Connecticut which is in a very bad state of preservation but which, Mr. Withers said, could have been saved had proper measures been taken. A grand specimen oak at Ogden, N. J., was also shown and the magnificent red oak growing at Graceland cemetery, Philadelphia, the finest specimen perhaps in the country. The live oak of Florida was also shown, single specimens and a fine avenue with the moss hanging from their branches in the manner characteristic of the tree. The weeping elm was shown and Mr. Withers states that there are not as many distinct species of this tree as is sometimes thought. seedlings raised by himself having shown great mutation. The pin oak he instanced as doing well

John T. Withers, Jersey City, N. J.

at Rochester, N. Y., and other eastern points and recommended it as a fine street tree. The tulip tree (Liriodendron tulipifera) he says does better in the state of Maryland than anywhere else either north of there or in the Carolinas and Alabama.

Many trees were shown that are growing at Mt. Vernon, having been planted by George Washington, and also fine specimens and avenues at Washington, D. C. The Ginkgo, with its characteristic habit of spreading lower branches and erect top was among these and the oriental plane, the red maple and a number of others were given. The rock maple makes too many shoots and needs a deal of pruning, but the pin oak, red maple and oriental plane Mr. Withers thinks highly of as street and shade trees. The lovely yellow wood (Virgilia lutea or Cladrastis tinctoria) of which a fine tree was shown, Mr. Withers referred to as very handsome "But," he said, "it does not flower every year." Mr. Withers later paid a very high tribute to the parks at Hartford, Conn., and showed us many beautiful views therein, each showing the value of the tree in different aspects of the landscape. Other lovely peeps were given down the Hudson river and beautiful instances of wild gardening where the tree helps to protect and also to enhance the beauty of hardy ferns and other plants. The grand clumps of Rhododendron maximum from eastern gardens make Chicago growers envious as this finest of all hardy shrubs will not thrive where lime is so plentiful in the soil as in many parts of Illinois and Wisconsin. The Carolina poplar was described as a quick grower and useful as a nurse for better trees, but should, the lecturer remarked, be cut out early and not left to damage the permanent plantings.

Coming down to practice Mr. Withers was even more interesting. Photographs of the great Liberty tree of Annapolis, Md., were shown and he explained in detail the measures adopted to preserve it. The great specimen tulip tree had an immense hole in its trunk. For a great part of its height, in fact, it was completely rotten inside and only 13 inches of wood, cambium and bark remained of its original immense bulk. This decayed wood was all taken out, the inside scraped and thoroughly washed with a solution of copper sulphate and lime. Iron rods were then driven into the ground and taken up the hollow tree; a brick wall was built in front as a form and the whole of the interior filled with cement concrete, 53½ tons being used in this tree alone. It is easy to see that this grand old tree will now be safer from storm than it has ever been, the great strength of the artificial heart forming a safeguard in this way and also

LARGE TREES.
OAKS and MAPLES.
PINES and HEMLOCKS.
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA

Am. Arbor Vitae Hedge Plants
at Wholesale to Florists.
Best Evergreen Hedge Plant in the World.
EVERGREEN NURSERY CO.,
STURGEON BAY, WIS.

Hardy Roses
American Grown—Superior to Imported
We have unsold at the present time the following varieties—all field grown plants, grown in our nurseries at Rochester, N. Y.:

Anne de Diesbach	Prince Camille
Clio	Ulrich Brunner
Frau Karl Druschki	Crimson Rambler
General Jacqueminot	White Rambler
John Hopper	Yellow Rambler
Mme. C. Lutzet	Philadelphia Rambler
Marshall P. Wilder	Common Sweet Briar
Mrs. John Laing	Mme. G. Bruant
Paul Neyron	Wichuriana (The Type)

These plants are in our storage cellars and can be shipped at any time. Prices on request.
ELLWANGER & BARRY
Nurserymen—Horticulturists
Mount Hope Nurseries, Rochester, N. Y.

HYDRANGEA
American Everblooming
(H. arborescens sterilis). The largest stock in America of strong 1 and 2-year nursery grown plants of this best of all hardy flowering shrubs.
THE E. Y. TEAS CO., ***Centerville, Ind.***

keeping out disease and decay. The front wall has been colored like bark and the cement roughened to imitate it, and Mr. Withers calculates that in about 18 years the bark will have again covered up the wound entirely. We have not space to go into all the details of tree surgery as Mr. Withers explained it, but it was quite an education along this line. He deprecates the use of tar for covering old wounds; tin nailed over them is also bad as the extremes of temperature draw the nails and loosen the tin. Board is also unsuitable as it cannot be so closely fitted as to exclude air. Good metallic paint of a slate color he regards as best for clean cuts and the concrete for cavities. One frequent mistake Mr. Withers cited was that of allowing the concrete to extend too far out. It should come to the inner surface of the bark to enable this to spread naturally over it. Many other intensely interesting topics were touched on by Mr. Withers, who received the hearty thanks of an interested and appreciative audience. R.

Privet Cuttings.

A sample 1,000 sent on receipt of $1.00.

HARRY B. EDWARDS, Little Silver, N. J

The True Amoor River Privet

Ligustrum Amurense

2½ to 3 feet, strong, field-grown plants, any quantity, $25.00 per 1000.

California same size and price.

Peter's Nursery Co., Knoxville, Tenn.

AZALEAS (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Jacs Smits, Ltd. NAARDEN, (Holland.)

Price list free on demand.

BOBBINK & ATKINS,

Rutherford, N. J.,

Bay Trees, Palms, Buxus, Azalea Indica, Rhododendrons, Evergreens, Herbaceous Plants, Roses, Trained Fruit Trees, Greenhouse Grape Vines. Ask for catalogue.

PEONIES.

Festiva Maxima	$20.00 per 100
Queen Victoria (Whitleyi)	9 00 per 100
Fragrans (Late Rose)	6.00 per 100

For 1000 rates and other varieties, write

GILBERT H. WILD, Sarcoxie, Mo.

NEW

Surplus Shipping List

NOW OUT.

Send for one. Low prices. Fine stock.

PETERSON NURSERY,

Lincoln and Peterson Avenues, CHICAGO.

ARBOR VITÆ

(Thuya Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.

Write for descriptions and prices.

THE WM. H. MOON CO.,

Morrisville, Pa.

Wittbold FLORIST

SPECIAL OFFER OF

NURSERY

STOCK, HARDY

PERENNIALS

SPRING BEDDING AND POT PLANTS.

DAHLIAS.

These are large field clumps.

Cactus.	Per 100
Mrs. A. Beck, rich salmon, twisted petals, scarlet reflex	$1.00
Charles Woodbridge, bright crimson	1.00
Miss A. Nightingale, bright red, shading to golden yellow at center	1.00
Kriemhilde, pink, shading to white at center	1.50
Countess of Lonsdale, a peculiar blending of salmon, pink and amber	1.50
F. Bartels, bright scarlet	1.00
Decorative.	
Zulu, black maroon	1.00
C. W. Bruton, a fine yellow, tall grower	1.50
Oban, rosy lavender	1.00
Iridescent, vivid red, tipped with blue	1.00
Sylvia, pink, white to center	1.50
Mrs. Geo. Reed, purple, with white tint	1.00
Show Dahlias.	
A. D. Livoni, a pure quilled pink	1.50
Cameliaflora, pure white dwarf	1.00
Single Dahlias.	
J. Cowan, a fine scarlet	1.50
John Downie, crimson	1.50
Sunningdale, blush white	1.00
Mixed Colors.	
Good varieties, all colors	.75
" " mixed yellow	.75

MISCELLANEOUS LOT OF BULBS.	Per 100
Gladiolus, mixed	$1.00
Amaryllis Formosissima	5.00
Zephyranthes Alba	2.00
" Rosea	2.00
Pancratium Spider Lily	5.00
Ismene Calathina, 1st size	6.00
" " 2nd size	4.00
" " buiblets	2.00
Tritoma Hybrids, asst. 1 year old, largest size	4.00
Tritoma Hybrids small size	2.00

ROSES IN POTS AND OUTDOOR.

Prairie Queen, 3 to 5 feet, 15 to 35c each.

	Per 100
Ramblers, Crimson, 2 feet, 15c.	
" Baby, 3½-inch pots	$ 6.00

Sweet Brier, 2 to 3 feet, 10c to 25c each.

1 Lot Hybrid Perpetual, 5-inch, asst. varieties, pot grown	15.00

TREES.

	Per 100
Box Elder, from 1 to 2½-inches, 6 to 10 feet, 35c to $1.00 each.	
Catalpa, 1½ to 2 inches, 8 to 10 feet, 75c each	$75.00
Elm American, 2 to 4 inches, 6 to 12 feet, $1.00 to $3.00 each.	

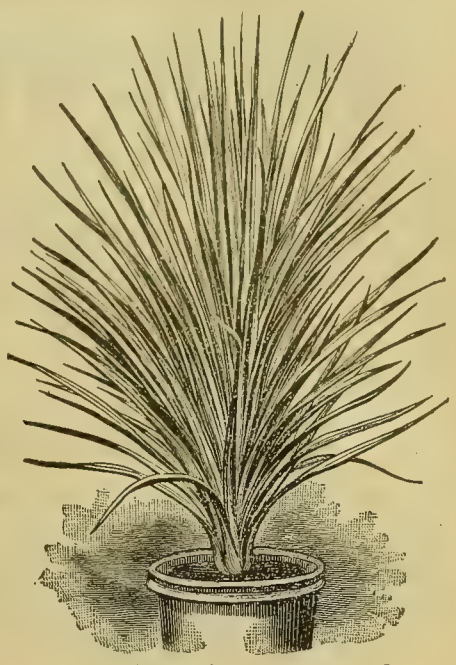
PERENNIALS.

From December, 1907, sowing. Have been replanted into flats. Any at $10.00 per 1000 until replanted again.

Myosotis (Forget-me-nots).
Stokesia Cyanea (Stokes aster).
Bellis (Daisy).
Eulalias.
Erianthus Ravennæ.
Aster Bessarabicus.
Achillea (The Pearl).
Lobelia Cardinalis.
Pentstemon (Beard-Tongue).
Rudbeckia Triloba.
Tritoma, asst. Hybrids.
Campanulas, under name and asst.
Digitalis, " " " "
Yucca Filamentosa.
Delphinium, asst. Hybrids.
Sweet William, single mixed.
Lychnis Chalcedonica, also Haageana Hybrids.
Dianthus Plumarius, mixed.
Shasta Daisy Alaska.
Ampelopsis Veitchii.
Veronica Longifolia Subsessilis.
Gaillardia Grandiflora, also Kelway's Hybrids.

Araucarias.

4-inch	50 cents each
5 "	75 " "
6 "	$1.00 each



DRACAENA INDIVISA

This most useful plant is always in great demand in spring. Better secure your stock now. Fine plants in the following sizes and prices:

		Per doz.	Per 100
Dracaena Indivisa,	4-inch	$ 2.00	$12.00
" "	5-inch	3.00	20.00
" "	6-inch	6.00	40.00
" "	7-inch	9.00	
" "	8-inch	12.00	

Perennials in Pots, One Year Old.	Per 100
Dianthus, Sweet William, 5-inch pots	$10.00
Coreopsis Lanceolata, 5-inch pots	8.00
Campanula, asst., 6-inch pots	12.00
	Per 1000
Grave Myrtle, 2¼-inch pots	$25.00
" " 3-inch pots	40.00

Perennial Clumps from Field.

12c per clump except where specified.

Iris Germanica, all colors under name, 10c
" Kaempferi, blue, tall, 10c
Bachelor's Buttons, yellow, 2 feet, 10c.
Campanula, assorted.
Chrysanthemum Uliginosum, 3 feet.
" Shasta Daisy.
Coreopsis Lanceolata.
Day Lily, 5 feet.
Gaillardia.
Golden Glow (or Rudbeckia), 8c.
Lychnis Chalcedonica.
Delphinium or Larkspur.
Phlox, all colors, under name.
Pentstemon, assorted.
Polemonium Cæruleum (Jacob's Ladder).
Physostegia Speciosa, grand, mixed.
Yucca Filamentosa (Adam's Needle), 25c.

SHRUBS, ETC.

Ampelopsis Quinquefolia, or American Ivy, 15c each.
Berberis Thunbergii (Japanese Barberry), 1 to 3 feet, 10c to 50c each.
Hydrangea Paniculata, 2 to 3 feet, 15c to 35c each.
Symphoricarpus Racemosus alba (Snowberry), 2 to 5 feet, 10c to 50c each.
Symphoricarpus Vulgaris rubra (Indian Currant), 2 to 4 feet, 10c to 35c each.
Lilacs, Persian, also German, in white and light and dark purple, 3 to 6 feet, 25c to $2.00 each.
Viburnum Opulus (Snowball), 2 to 5 feet, 10c to 50c each.
American Arbor-vitæ, 2 to 3 feet, 10c to 25c each.
Matrimony Vine, 10c to 50c each.
Spiræa Sorbifolia (white), 3 feet, 25c.
" Thunbergii, 2 to 3 feet, white, 15c to 25c.
" Regalis, 3 feet, 35c.
Syringa (Philadelphus) Lemoineii, 3 to 4 feet, 25c to 35c each.
Cut-leaf Elder, 3 to 6 feet, 10c to 25c.

PEONIES.

In variety, 10c to 50c each.

Cycas Revoluta.

4-inch	25 cents each
5 "	35 " "
6 "	50 " "
7 "	75c to $1.00 each
8 "	$1.25 to $1.50 "

If we do not confine ourselves to the exact size of pot specified, we shall see that stock of good value for the money is sent on every order.

The GEO. WITTBOLD CO.

1657 Buckingham Place, Chicago

WINONA

The True Pink Carnation for 1908.

A Color that Attracts Attention. Once Seen, Always Wanted.

Comes nearest to Fiancee, but is a different type flower. **Never Bursts—Every Calyx Perfect.** Good, shapely, active growth. Blooms early and in quantity. A grand commercial variety. Give it a trial and compare the returns. We have a large stock, clean and healthy. Will guarantee every cutting to be first class. Order now for early de ivery. **Price: $12.00 per 100; $100.00 per 1000.** La·ger lots, prices on application. With our additional glass we have more than doubled our stock of Carnation Plants, and can fill orders for rooted cuttings to even better satisfaction than in past years.

FOR FEBRUARY DELIVERY AND LATER.

	Per 100	1000
Red Chief, bright scarlet	$5 00	$40 00
Bonnie Maid pink, edged white	5 00	40 00
Aristocrat cerise	6 00	50 00
Winsor pink	6 00	50 00
Beacon, orange scarlet	6 00	50 00
White Enchantress white	$6 00	$50 00
White Perfection, pure white	3 00	25 00
Rose-Pink Enchantress pink	3 00	25 00
Enchantress light pink	3 00	25 00
Lady Bountiful, white	$3 00	$25 00
Victory scarlet	3 00	25 00
Dorothy Whitney, yellow	4 00	30 00
Mrs. Patten, variegated	3 00	
Harry Fenn, crimson	3 00	

F. DORNER & SONS CO., La Fayette, Ind.

SPLENDOR

Color: Light pink. Between Mrs. T. Lawson and Winsor. Nothing finer ever introduced as a commercial variety at any price.

Strong healthy cuttings guaranteed. March delivery. **PRICE: $10.00 per 100; $75,00 per 1000; 500 at 1000 rates.**

Stevenson Bros.,
GOVANSTOWN, BALTIMORE, MD.

CARNATIONS

Rooted Cuttings. Healthy stock.

	Per 100	1000
Winsor, Helen M. Gould Beacon	$6.00	$50.00
White Enchantress	7.00	60.00
Melody, Victory	4.00	
Enchantress, Lady Bountiful, Red Lawson, Variegated Lawson, White Lawson, Daheim	3.00	25.00
Mrs. T. W. Lawson, Boston Market	2.00	15.00

Send for Catalogue.

WOOD BROTHERS
FISHKILL, N. Y.

Orange, N. J.

The regular monthly meeting of the New Jersey Floricultural Society was held March 6. Carnation night was observed with 29 exhibits of this flower alone, and roses and other displays. W. A. Manda sent a vase of 100 of his new seedling No. 20, soon to be introduced by John N. May. John E. Haines, of Bethlehem, Pa., sent his specialties, Imperial, the new striped, and John E. Haines, red. James D. Cockroft, of Northport, N. Y., sent Harvard, a dark red, and Oscar Carleson, of Fairfield, Conn., a new pink seedling, No. 14.

Among those exhibiting carnations were: Chas. Munn, John Hayes, gardener; T. A. Gillespie, George Oakley, gardener; Colgate brothers, William Reed, gardener, first prize; Wm. Runkle, D. Kindsgrab, gardener, second prize: Chas. Hathaway, Max Schneider, gardener, third prize: John Crosby Brown, Peter Duff, gardener, and Chas. Bausher, Philip Cox, gardener. Roses and sweet peas were shown by A. C. Van Gaasbeck, John Gervan, gardener: Antirrhinum by T. A. Edison, Frank Drews, gardener: Cineraria, cyclamen and violets by Chas. Hathaway, Max Schneider, gardener.

Lager & Hurrell, Summit, showed Odontoglossum crispum and O. Cervantesi, Dendrobium splendidissimum and D. nobile Rothwellianum, Laelio-Cattleya Pallas and Oncidium fuscatum. Julius Roehrs Co., Rutherford, showed Cattleya Schroderæ, Surprise and Rose Newport Fairy. A strong sentiment prevailed to continue the special flower nights and W. A. Manda placed $10 in the treasurer's hands to be used for cash prizes.

J. B. D.

CARNATIONS ROOTED CUTTINGS.

Now ready for shipment. Healthy Stock.

	Per 100	1000		Per 100	1000
Enchantress	$3.00	$25.00	Robert Craig	$3.00	$25.00
Rose Pink Enchantress	3.50	30.00	Vesper	2.50	20.00

ASPARAGUS PLUMOSUS.

Fine bushy plants.

	Per 100	1000		Per 100	1000
From 3-in. pots	$7.00	$60.00	From 2¼-in pots	$4.00	$35.00

CYCLAMEN, Craig's Famous Strain, from seeds of our own saving, twice transplanted, 100, $4.50; 1000, $40.00.

FICUS PANDURATA, (in tubs), magnificent plants. single stems, 6-ft. high $7.50 each. Magnificent plants, branched, 5½-ft. high $7.50 each.

ROBERT CRAIG COMPANY,
Market and 49th Sts. PHILADELPHIA, PA.

LLOYD Will Not Disappoint You.

The only ever blooming **White Carnation** in existence. It is the bread and butter white of the future. Size and stem of Enchantress, with the freedom of McGowen. Easy Rooted. Excellent keeper and shipper. Best seller of any carnation on the market.

Rooted Cuttings, **$2.00** per doz., **$12.00** per **100, $100.00** per 1000; unrooted **$6.00** per **100, $50.00** per **1000.**

H. A. JAHN, New Bedford, Mass.

CARNATION CUTTINGS.

We are in unusally good postion to supply exceptionally well-rooted, healthy stock. We have such a large quantity of flowering plants that we propagate only from heel cuttings from flowering shoots. Our cuttings are rooted in light, sunny, airy, houses, and we are sure will satisfy the most critical buyer.

A prominent carnation grower writes: "You seem to be **the only firm in the business that knows how to pack stock and have it reach the buyer in good condition,** and I have always found your cuttings cheaper than the same varieties at much lower figures.

While our prices may not always be the cheapest, we certainly can give, quality considered, as good value if not better, than is obtainable anywhere.

WINSOR, which we introduced last year has proved to be the finest novelty introduced in years. We think it is the most profitable variety grown to-day, considering its fine color, splendid keeping qualities and productiveness. When properly grown it leaves little to be desired, and almost every one succeeds with it.

White Enchantress, the best all-round White Carnation, on account of its large size, long stem, earliness and productiveness. Our White Enchantress exhibited at the Carnation Convention at Washington, was the only White Enchantress exhibited that received an award.

Strong rooted cuttings, now ready for delivery, from sand, $6.00 per 100, $50.00 per 1000; from soil, $7.50 per 100, $60.00 per 1000.

We offer, also, **Beacon** and **Red Chief,** from sand, $6.00 per 100, $50.00 per 1000; from soil, $7.50 per 100, $60.00 per 1000, also **Victory, Melody** and **White Perfection,** from sand, $4.00 per 100, $35.00 per 1000; from soil, $6.00 per 100, $45.00 per 1000; **Variegated Lawson, White Lawson** and **Red Lawson,** from sand, $3.00 per 100, $25.00 per 1000; from soil, $4.00 per 100, $35.00 per 1000. We can supply, also, **Winona** and **Afterglow,** at $12.00 per 100, $100.00 per 1000.

Buyers will find transplanted stock offered from soil well worth the difference in price.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

St. Paul.

LENT STARTS WELL.

If the Lenten trade continues as well as it has started out, nobody here will have any complaint to make. Stock continues plentiful with some surplus in bulbous flowers and violets. Carnations also are rather in oversupply, but we have not heard of any cut prices on local grown flowers as yet.

NOTES.

The next club meeting will be held at Holm & Olson's store March 17, and a continuance of a big attendance is hoped for; some interesting committee reports will be made. Jim Souder will read a paper on "Easter Stock From the Retailers' Point of View" and J. Jorgensen on the same subject from the wholesalers' side of the question.

The main topic in the trade here last week was the opening of a new flower store. The firm name is Leeb & Co., and is located at 370 Minnesota street, and in addition to flowers will handle fruit. The two young ladies making the venture were formerly employes of E. F. Lemke.

Holm & Olson have been favored with lots of funeral work of late; G. A. Colberg has recently taken charge of the conservatory and the windows and L. G. Venzka is the designer.

L. L. May & Co., report business as very good with hardly enough stock to take care of orders. O.

TRINIDAD, COL.—The Trinidad Floral Co., composed of Henry Klein, president; J. H. Drury, treasurer and business manager; and L. R. Gottleib, secretary, have about 18,000 feet of glass largely devoted to roses and carnations. The firm has an excellent location and will increase its glass plant to 25,000 feet in the spring. The company was incorporated in 1906.

CHRYSANTHEMUMS

The Best Commercial.
The Largest Exhibition Varieties.
Largest set of Florists' Pompons
singles and other Decorative sorts.

Let us select for you. **20 years' Experience.**

WE ARE ORIGINATORS AND DISSEMINATORS OF AMERICA'S BEST.

190A Catalogue, a Model of our Specialty; Free for the asking.

A large stock of sturdy Plants of the Present Day Novelties and Standard Sorts NOW READY for delivery. SPECIAL PRICES for immediate orders. For further particulars, See issue of February 29, or drop us a card.

Elmer D. Smith & Co. Successors to Nathan Smith & Son. **Adrian, Mich.**

CHRYSANTHEMUMS.

Monrovia, October Sunshine, F. A. Cobbold, Mrs. T. W. Pockett, Col. Appleton, Nellie Pockett, Cheltoni, Lady Hopetoun, White Coombes, Ben Wells and others now ready at $3.00 per 100, $25.00 per 1000; 2¼-in. pots.

If your stock is run down try some of mine and see the difference next fall. Lots of the new singles now ready.

You got my 'mum list, of course?

CHARLES H. TOTTY, Madison, N. J.

THE NEW ...CARNATION **AFTERGLOW**

WAS AWARDED A

Gold Medal by the Rhode Island Horticultural Society, at Providence, Nov., 1907.
(Exhibited by Wm. Nicholson)

Craig Silver Cup by the Penn. Horticultural Society at Philadelphia. Nov., 1907.
(Exhibited by Dailledouze Bros.)

First Prize by the St. Louis Horticultural Society at St Louis, Mo., Nov., 1907.
Exhibited by The E. G. Hill Co.)

First Prize by the State Florists' Association of Indiana at Indianapolis, Nov., 1907.
(Exhibited by the Originator.)

Scored the highest number of points of any seedling exhibited at the Toronto Exhibition of the A. C. S. Jan., 1907, after arriving 24 hours late from Framingham, Mass.

Aside from these honors, the fact that it has been grown successfully wherever it has been tried is the best proof of its commercial value. Orders now booked by the undersigned, to be filled in rotation for well grown, well rooted cuttings at

$2.00 per doz.; $12.00 per 100; $100.00 per 1000.

WILLIAM NICHOLSON, Framingham, Mass. | THE E. G. HILL CO., Richmond, Ind. | DAILLEDOUZE BROS., Flatbush, Brooklyn, N. Y. | R. WITTERSTAETTER Originator, Sta. F., Cincinnati, Ohio

DEFIANCE

The only scarlet with the real velvet color. It is there for quantity and quality. Let us have your order for early delivery.

$12.00 per 100; $100.00 per 1000.

JENSEN & DEKEMA, —674— W. Foster Ave., **Chicago.** | **W. N. RUDD, Morgan Park, Ill.**

JOHN E. HAINES,

BETHLEHEM, PA.,

is the place to order rooted cuttings of the following varieties for 1908.

	Per 100	Per 1000
John E. Haines, red	$6.00	$50.00
Imperial, variegated	6.00	50.00
Pink, Pink	6.00	50.00
Enchantress, Light pink	6.00	50.00

Rooted Cuttings

	Per 100	1000
Lady Bountiful	$2.00	$18.00
Enchantress	2.00	18.00

Cash with order. Good stock guaranteed.

Pettit & Sharpnack, SALEM, OHIO.

Rooted Carnation Cuttings

White.	Per 100	1000
White Perfection	$3 00	$25 00
White Enchantress	6 00	
Pink.	**Per 100**	**1000**
Enchantress	$2 00	$15 00
Rose Pink Enchantress	3 00	25 00
Lawson	1 75	15 00
Helen Goddard	2 50	
Aristocrat	5 00	
Red.	**Per 100**	**1000**
Beacon	$6 00	$45 00
Victory	3 00	25 00
Robt. Craig	3 00	25 00
Crimson.	**Per 100**	**1000**
Harlowarden	$1 75	15 00

ELI CROSS,

Cor. Ashland Ave. and Page Street. **Grand Rapids, Mich.**

CLEAN and Well Rooted Carnation Cuttings

	100	1000
White Perfection	$3 00	$25 00
Enchantress	2 00	15 00
Rose Pink Enchantress	3 00	25 00
Pink Lawson	1 75	15 00
Robt. Craig	3 00	25 00
Harlowarden	1 75	15 00
Vesper	2 00	15 00
Marion	1 75	15 00
Prosperity	1 75	15 00
Patten	1 75	15 00
Lady Bountiful	3 00	25 00

MIAMI FLORAL CO., Dayton, Ohio.

White Enchantress.

ROOTED CUTTINGS
$6.00 per 100; $50.00 per 1000.

E. SCHRADER, New Springville,
RICHMOND BOROUGH, N. Y.

QUEEN $10.00 per 1000.

White Enchantress, $5.00 per 1000.
Strong, well Rooted Cuttings.

PHILIP SCHUPP,
37 Randolph St., CHICAGO.

Express Prepaid on all Rooted Cuttings and satisfaction guaranteed.

Salvias Bonfire, St. Louis...$1.00 per 100. $8.00 per 1000
Lantanas, 8 of the finest varieties, $1.25 per 100; $10. per 1000.
Coleus a grand collection (named) 70c per 100: $6.00 per 1000.
Heliotrope, 10 best varieties... $1.00 per 100; $8.00 per 1000.
Daisies, California (White) Yellow Castle (Yellow), the finest of all daisies. $1.00 per 100; $8.00 per 1000,
Petunias, Dreer's and Henderson's .... $1.25 per 100; $10.00 per 1000.
Alternantheras, red, yellow and Brilliantissima from soil, Sept. struck..70c per 100; $6.00 per 1000
Feverfew,....$1 25 per 100; $10.00 per 1000.
Vincas Variegated, $1.25 per 100; $10.00 per 1000

C. HUMFELD, Clay Center, Kas.

A FEW GOOD THINGS YOU WANT.

Asparagus Sprengeri, 2-in., $2.50 per 100; 3-in., $5.00 per 100. Seedlings, $1.00 per 100.
Geraniums, S. A. Nutt, John Doyle, Perkins, Ricard, Double Gen. Grant, 2-in. pots, $2.50 per 100; Rooted Cuttings, $1.25 per 100. E. H. Trego, Castellane, Poitevine, Viaud, 2-in. pots, $3.00 per 100; rooted cuttings, $1 50 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100; 3-in., $5.00 per 100.
Boston Ferns, 5-in., 30c each.
Vinca Var., 2-inch, $2.00 per 100.
Dracena Indivisa, 2-in. $3.00 per 100.
Gladiolus Bulbs, light colors, $1.00 per 100.
Rex Begonia, $5.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the Express Companies properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

GERANIUMS

ROOTED CUTTINGS.

All engaged until late March or early April, will have a big lot then. Send for list and place order if wanted then.

ALBERT M. HERR, Lancaster, Pa.

DANBURY, CONN.—Theo H. Judd is making arrangements for the erection of another new large greenhouse on Grand street to adjoin his other houses. Mr. Judd now has six large houses, one of which was completed only a few months ago. The new house will be devoted exclusively to roses and violets.

NEW YORK.—The Sun has a long and interesting illustrated article on the business career of Le Moult, the Bowery florist. It is quite an historical sketch going back over the 30 odd years that have passed since he began business at a flower stall on Tenth street and tells of his poetic advertising in the early days, of the theatrical celebrities who were among his first customers and other interesting and readable happenings.

PITTSBURG, PA.—Hugh McCall, aged 60 years, gardener for H. J. Heinz and H. C. Frick, died March 4, at his home on Hamilton avenue, Homewood, from a complication of diseases, after a short illness. He was a native of Sterling, Scotland, where he lived until 40 years ago, when he came to Pittsburg. He had been employed as landscape gardener for the last six years by H. C. Frick and for the last three years by H. J. Heinz. Eighteen years ago he married Miss Mary McKee, who survives with one son, Alexander Ray McCall, at home.

Extra Fancy Carnation Blooms

Shipped direct to all points. Special attention to telegraph orders. Give us a trial and be convinced.

J. D. THOMPSON CARNATION CO., Joliet, Ill.

Orchids

The largest importation of Orchids ever received in this country will arrive next spring from Brazil, Venezuela and Colombia. If you intend putting in a stock wait for these to arrive and we will quote you the lowest prices in America.

ORDONEZ BROS.

Madison, N. J.

ORCHIDS.

Arrived in superb condition: C. Trianæ, C. Mossiæ, C. labiata, C. Schroederæ, C. speciosissima, C. citrina, C. intermedia, C. Gaskelliana, Laelia anceps, L. albida, L. majalis, L. autumnalis, Oncidium crispum, O. varicosum, O. Cavendishianum O. luridum, Epidendrum vitellinum majus, E. Cooperianum, Odonto. citrosmum. To arrive in a few weeks time: C. aurea, C. Dowiana, C. Warneri, Miltonia vexillaria.

CARRILLO & BALDWIN, Secaucus, N. J.

Orchid Importations

Write for Prices

FOR 1908 DELIVERY.

JULIUS ROEHRS COMPANY.

The Orchid Nurseries. RUTHERFORD, N. J.

Orchids!

Orders booked now for delivery 1908 of all the leading kinds of Orchids at greatly reduced prices. We have also just received the following: Oncidium tigrinum, O. sarcodes, O. Forbesii, Sophronitis grandiflora and coccinea. Write us.

Lager & Hurrell, Summit, N. J.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World.

SANDER, St. Albans, England.

NEW YORK OFFICE: Room 1, 236 Broadway. **T. MELLSTROM** Agent.

PORTLAND, ORE.—Good prizes are to be given to nurserymen in the open classes at the coming rose show in June including $200 in premiums for a general exhibit of roses and shrubbery. Mrs. Herbert Holman is the secretary of the Rose Society here.

SPOKANE, WASH.—Fireproof concrete buildings, over 23,000 square feet under glass and fine grounds, with private water system, to be completed at an outlay of between $50,000 and $60,000 are included in the plans of the Spokane Nursery Co. for its plant on the north side. Plans have been completed and work has begun for the most modern buildings, show rooms and greenhouses. The ground has been secured at an outlay of about $20,000, and with the improvements and stock will represent an investment of about $100,000. The officers of the company are: J. H. Mumm, president; H. C. Rice, treasurer, and J. M. Harris, secretary.

"THE TEST is what TELLS THE STORY."

When growers who buy by the 100 the first season order thousands the next—**IT MEANS MERIT.**

BEACON CARNATION

occupies this enviable position; as an all winter blooming scarlet **IT HAS NO EQUAL.**

Strong, vigorous, healthy cuttings, ready now, Per 100, $6.00; per 1000, $50 00.

Winsor.....Per 100, $6.00; per 1000 $50.00
White Perfection.. " " 4 00; " " 35 00
Rose Enchantress..Per 100, $4.00; per 1000, $35 00
Enchantress ..... " " 3.00; " " 25.00

Send Money Orders on Norwood, Mass.

PETER FISHER, Ellis, Mass.

100,000

STRONG WELL ROOTED **Carnation Cuttings.**

of ENCHANTRESS, BOSTON MARKET, MRS. T. W. LAWSON

READY FOR IMMEDIATE SHIPMENT.

If you desire well-rooted cuttings that are free from disease and of a vigorous constitution, that have been grown cool are guaranteed to give satisfaction as to quality and to please you as to prices. Then write me, for it will both pay you and please you.

List of novelties and leading standard varieties sent on application.

A. F. LONGREN, Des Plaines, Ill.

CUTTING SPECIALIST.

CARNATION CUTTINGS.

Well Rooted. Ready Now.

SPECIAL PRICES

To clean out benches while this lot lasts.

	Per 1000	Per 100
Enchantress	$15 00	$2 00
Lawson	10 00	1 50
J. E. Haines	15 00	2 00
Pink Imperial	$30 00	$3 50
Pink Patten	15 00	2 00
White Perfection	25 00	3 00
Winsor	50 00	6 00

ALBERT M. HERR, Lancaster, Pa.

FINE HEALTHY BENCH PLANTS

AMERICAN BEAUTY, RICHMONDS,

$6.00 per 100; $50.00 per 1000.

J. A. BUDLONG, 37-39 Randolph St., **...CHICAGO.**

CARNATIONS—Rooted Cuttings.

Immediate Delivery.

	Per 100	1000
Winsor	$6.00	$50.00
Aristocrat	6.00	50.00
Victory	3.00	25.00
Enchantress	2.00	20.00
Lawson (pink)	1 75	15.00
Lawson, (white)	2.00	18.00

STEVIA, R. C., $1.00 per 100.

Or will exchange the above for Montmort, Perkins, Poitevine or Viaud Geraniums.

Satisfaction guaranteed. **E. T. WANZER, Wheaton, Ill.**

CARNATIONS ROOTED CUTTINGS.

Aristocrat	Per 100, $ 5 00	Enchantress	Per 100, $ 2 00
Winsor	" 5 00	Lady Bountiful	" 2 00
Perfection (White)	" 2 75	Victory	" 2 75

Rose Pink Enchantress, $2.75 per 100.

SALVIA ZURICH. The Ever-blooming Salvia. Rooted cuttings, $1.75 per 100; 2-in. $3.00 per 100.

The Salvia Zurich was first introduced by us.

PERENNIAL GARDENS CO., Toledo, Ohio.

YOUNG ROSES

Propagated from wood taken in the field.

Send for price-list today.

California Rose Co.

Pomona, Cal.

NEW NEW

RAMBLER ROSE

"NEWPORT FAIRY"

To be disseminated Spring 1908. Ask for illustrated pamphlet and prices.

JULIUS ROEHRS CO., Rutherford, N. J.

NEW ROSE

Kaiserin Goldiflora

2½-in., $2.50 per doz.; $20.00 per 100; $175.00 per 1000; 3-in. $35.00 per 100; 4-in. $50.00 per 100

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO

Alternantheras.

Strong rooted cuttings, red and yellow, 50c per 100, or $4.00 per 1000. **Brilliantissima** 60c per 100, or $5.00 per 1000.

DAVIS BROS., Morrison, Ill.

SALVIA ZURICH.

The Ever-Blooming Salvia.

Propagation from carefully selected stock; absolutely true and of even type. 2-in. $1.00 for 25, $3.00 for 100; $25.00 for 1000. Rooted cuttings $1.75 for 100; $15.00 per 1000.

J. L. Schiller, 929 Prouty Avenue TOLEDO, O.

Rooted Cuttings

	Per 100	1000
Coleus, plenty of variety	$ .70	$6.00
Heliotrope, Salvias,	1.00	8 00
Petunias, double	1.25	10.00
Alyssum, double	1.00	8 00
Ageratums,	.60	5 00
Pelargoniums,	2.50	

Everything named. Express paid. Cash with order

S. D. BRANT, The Clay Center Florist, CLAY CENTER, KAN.

6,000 Geraniums Left.

2-inch.....$15.00 per 1000

2½-inch..... 18.00 per 1000

SCHMAUS BROS., Paducah, Ky.

Grafted Roses

FOR FORCING.

Bride, Kaiserin, Richmond,
Bridesmaid, Killarney, Wellesley,

$12.00 per 100; $100.00 per 1000.

JACKSON & PERKINS COMPANY

WHOLESALE FLORISTS AND NURSERYMEN,

Newark, Wayne County, **New York.**

TAUSENDSCHON.

or in English, **THOUSAND BEAUTIES,** is the sensational new Climbing Rose of the year. Every florist should have it. Is not excelled for forcing purposes and for general planting by any Climbing Rose now known, **not even barring Crimson Rambler.** This is the coming forcing Rose. Get your stock early. It is beautifully illustrated in ten colors and gold in **Our New Guide to Rose Culture,** for 1908, the Leading Rose Catalogue of America. Copy **free** for the asking.

Strong plants of Tausendschon from 3-in. pots, 10 for $1.50; $12.00 per 100; $100.00 per 1000.

Single Hyacinths, all the leading named varieties King of the Blues, Czar Peter, Norma, etc., $3.00 per 100.

Single Hyacinths, all colors mixed, $2.00 per 100.

Double Named Hyancinths, Goethe, Lord Raglan, Pure d'Or, Blolksbergeb, etc., $3.00 per 100.

Crocus, Named Varieties, $3.00 per 1000; Mixed Yellow, Mixed Purple and Blue, $2.50 per 1000.

Dahlias, all the leading varieties $45.00 to $50.00 per 1000. Send for list.

Cannas, all the leading varieties $10.00 per 1000 and upwards. Ask for list.

Rex Begonias, largest and cleanest stock in the country, $5.00 per 100; $45.00 per 1000

The Dingee & Conard Co., West Grove Pa.

Mrs. Potter Palmer 2½-in., $15.00 per 100; $125.00 per 1000; 3½-in., $150.00 per 1000.

	R. C. per 1000	2½-in. per 100	2½-in. per 1000	3½-in. per 1000
American Beauties	$30.00	$3.50	$60.00	$80 00
Maids, Brides	18.50	4.50	40.00	60.00
Uncle John	18.50	4.50	40.00	60.00

Cardinal 2½-in., $15.00 per 100; $125.00 per 1000; 3½-in., $150.00 per 1000.

	R. C. per 1000	2½-in. per 100	2½-in. per 1000	3½-in. per 1000
Chatenay	18.50	4.50	40.00	60.00
Perles		5.00	45.00	65.00
Sunrise		5.00	45.00	
Kaiserin	18.50	4.50	40.00	60.00

CARNATIONS.

	Rooted Cuttings per 100	2½-inch per 1000	per 1000
White Lawson	$2.00	$20.00	$35.00
Pink Lawson	2.00	20.00	35.00
Variegated Lawson	2.20	20.00	35.00
Victory	3 00	25.00	40.00
Winsor	5.00	45.00	60 00
Rose Pink Enchantress	3.00	25.00	40.00

	Rooted Cuttings per 100	2½-inch per 1000	per 1000
Enchantress	3.00	25 00	40.00
White Enchantress	5.00	45.00	60.00
Aristocrat	5.00	45.00	60.00
White Perfection	4.00	35.00	50.00

We have an exceptionally large stock of the Lawsons, Victory, Winsor and Beacon.

Asparagus Plumosus, 6-in. stock for benching. $15.00 per 100; $125.00 per 1000.

Chrysanthemums in season. Price list mailed on application.

POEHLMANN BROS. CO., Morton Grove, Ill.

New "MY MARYLAND" Rose

"My Maryland" Has More Good Commercial Points Than Any Other Rose.

PRICE: 2½-inch pots, $25.00 per 100; $200.00 per 1000; $5.00 per dozen.

JOHN COOK, 318 N. Charles St., Baltimore, Md.

Nashua, N. H.

Business has been very quiet during the past week. Stock of all kinds is plentiful, in particular carnations, which are hard to move, and a market has to be found out of town. The weather has been and is very favorable for a large crop.

NOTES.

August Gaedeke & Co. are preparing for a large Easter trade. Lilies are looking fine, also carnations, Baby Rambler and other roses, azaleas and all kinds of bulb stock in pans.

Geo. E. Buxton is cutting some fine carnations which in part go to the commission houses in Boston.

Stephen Chase is busy planting early vegetables and is already picking some fine cucumbers.

A. G.

ROOTED CUTTINGS. Prepaid per 100. Heliotrope German Ivy, 75c; Alternanthera, 50c; Coleus, Ageratum, 60c; Salvia, 85c, Fuchsia, $1.00. Seedling **Verbena,** Mammoth mixed 35c per 100, prepaid, Cash. Special price on 1000. List Free.

SHIPPENSBURG FLORAL CO. Shippensburg, Pa

DREER DAHLIAS.

We can still supply in undivided field-grown roots, varieties as listed below. All are desirable cut flower sorts.

	Per doz.	Per 100.
A. D. Livoni (Quilled). Pink	$1.00	$ 8.00
Aegir (Cactus). Cardinal red	1.00	8.00
Alba Superba (Single). Fine large white	1.25	10.00
Arabella (Show). Light, sulphur-shaded peach	1.25	10.00
Admiral Dewey (Decorative). French purple	1.00	8.00
Amos Perry (Cactus). Free fiery red	2.50	15.00
Bon Ton (Show). Rich garnet	1.00	8.00
Black Diamond (Decorative). Purplish garnet	1.00	8.00
Blackbird (Single). Black velvety maroon	1.00	8.00
Chameleon (Fancy). Flesh, pink and yellow	1.25	10.00
Cornucopia (Cactus). Vermillion carmine	1.00	8.00
Capstan (Cactus). Soft orange scarlet	1.00	8.00
Cuban Giant (Show). Large bright maroon	2.50	20.00
Catherine Duer (Decorative). Red	1.00	8.00
Clifford W. Bruton (Decorative). Yellow	1.00	8.00
Crimson Century (Single). Crimson and rose	1.25	10.00
Duchess of Cambridge (Show). Pink tipped crimson	1.25	10.00
Else (Cactus). Amber and rose	2.50	15.00
Emily (Show). Solferino rose	1.25	10.00
Fire-rain (Decorative). Brilliant red	1.00	8.00
Frank Smith (Fancy). Maroon tipped white	1.25	10.00
Frau Hermine Marx (Cactus). Silvery rose	2.50	18.00
Frute (Cactus). Peach and cream	1.25	10.00
Flora (Cactus). Pure white	2.50	15.00
Floradora (Cactus). Blood red	1.25	10.00
Florence M. Stredwick (Cactus). White, fine form	1.25	10.00
Fanny Purchase (Show). Yellow	1.25	10.00
Gracie (Single). Delicate blush	1.00	8.00
Gen. Buller (Cactus). Red, tipped white	1.00	8.00
Gottelinde (Cactus). Yellow	1.00	8.00
Grand Duke Alexis (Quilled). Ivory white	1.00	8.00
Henry Patrick (Decorative). White	1.00	8.00
H. W. Sillem (Cactus). Cardinal red	2.50	15.00
Harbor Light (Cactus). Brilliant cochineal red	2.50	15.00
Horn of Plenty (Cactus). Deep carmine purple	1.00	8.00
J. H. Jackson (Cactus). Crimson maroon	1.25	10.00
John Thorpe (Show). Solferino rose	1.25	10.00
Kriemhilde (Cactus). Pink	1.00	8.00
Landrath, Dr. Schiff (Cactus). Rosy apricot	1.00	8.00
Lenau (Cactus). Coral red and apricot	2.50	15.00
Lyndhurst (Decorative). Bright red	1.00	8.00
Mme. Alfred Moreau (Show). Pink	1.25	10.00
Mrs. Roosevelt (Giant). Pink	2.00	15.00
Maroon Century (Single). Rich velvety maroon	2.50	20.00
Miss May Loomis (Show). White suffused rose	1.25	10.00
Queen Victoria (Quilled). Yellow	1.00	8.00
Queen of Yellows (Show). Yellow	1.25	10.00
Ruckert (Cactus). Bright red	1.00	8.00
Red Hussar (Show). Cardinal red	1.25	10.00
Reliable (Cactus). Carmine and salmon	2.50	15.00
Ringdove (Cactus). Carmine with white edge	1.00	8.00
Scarlet Century (Single). Scarlet	2.50	20.00
Shooting Star (Cactus). Golden yellow	2.50	15.00
Souvenir de Gustave Doazon (Giant). Pure scarlet	3.50	25.00
Standard Bearer (Cactus). Fiery scarlet	1.25	10.00
Sylvia (Decorative). Soft pink	1.00	8.00
Twentieth Century (Single). Pink	1.25	10.00
Uncle Tom (Cactus). Deep maroon	1.00	8.00
Walthari (Cactus). Sulphur yellow, white edges	2.50	15.00

One each of the fifty-nine varieties for $6.00

HENRY A. DREER, 714 Chestnut Street, Philadelphia, Pa.

Thr above prices are for the trade only.

GLADIOLI

Madeira Vine,

Hyacinthus Candicans,

Spotted Calla,

Oxalis, summer blooming, Cinnamon Vine Roots, German Iris, Delphinium Formosum, Lilies, etc.

—Write for Price List.—

E. S. MILLER, Wading River, N. Y.

STREATOR, ILL.—The Hill Floral Co. has leased part of a building on North Vermillion street as a retail store and has moved in.

DETROIT, MICH.—An unusually beautiful display of flowering plants is to be seen in the horticultural building on Belle Isle now and thousands of people visit the place every day. The Easter stock is coming along nicely. Lilies, azaleas, hyacinths, tulips, narcissi and other seasonable plants will be the main features.

MADISON, WIS.—Contracts were closed March 4, for another addition to the Capital City Greenhouses, Baldwin and Williamson streets. The new part will be 83½ feet on Baldwin and 100 feet on Jenifer, occupying the vacant corner. The new structure will be constructed almost entirely of steel and glass, the only wood being that used for window casings. Seven years ago the Capital City Greenhouses were established by Fred Rentschler at the present location. The business has steadily increased and additions to the original plant have been made annually. The contract for the new greenhouse which is intended for roses will cost $8,000.

Gladiolus

STRICTLY FIRST SIZE BULBS.

	Per 100	1000
Princeps, medium	$9 00	$
Mrs. Francis King, best scsarlet for florists' use	4 00	30 00
America, fine pink	7 50	60 00
Augusta, pure white. blue anthers	2 00	17 00
Brenchleyensis, intense scarlet	1 45	12 00
Ceres, pure white. spotted purplish rose	1 45	12 50
Madam Moneret, delicate rose color.	1 75	15 00
May, pure white. flaked rosy crimson	1 75	15 00
"1900." a very rich shade of red	2 50	
Shakespeare, pure white, blotched pink and violet	4 25	38 00
Florist Mixture, made from named light and white varieties; comprises best there is in Gladiolus	1 75	15 00

VAUGHAN'S SEED STORE

CHICAGO. NEW YORK.

CANNAS

Austria, Allemania, Alsace, Bouvier, Capt. Drugeon, C. Henderson, J. D. Eisele, Florence Vaughan. Kate Gray. Pres, Viger. Pennsylvania, Pres Meyer, Souv. de Ant. Crozy. $2.50 per 100; $20.00 per 1000. David Harum, $4.00 per 100; $35.00 per 1000. Egandale (3-in. pots only). $5.00 per 100 King Humbert, the king of all Cannas. an extra large stock from strong 4-in. pots, $25.00 per 100.

Boston Ferns, Scottii. Elegantissima and Whitmanii, we have many thousand to offer from 2¼- to 4-in. at rock bottom prices. Can offer special bargains in R. C. **Beacon Carnations.** Write us for special prices.

W. W. COLES, Kokomo, Ind.

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,

Successors to L. K. Peacock, Inc., ATCO, N. J.

DAHLIAS

J. CHEAL & SONS,

Hybridizers and Growers of all classes of Dahlias.

The Nurseries, CRAWLEY, ENGLAND.

Full descriptive and illustrated catalogue containing all novelties free.

Dry Roots Specially Prepared for Export.

All growers should send for

CHEAL'S CELEBRATED NEW DAHLIAS

NEW PLANTS

GLADIOLUS Lemoinei and Nancianus.

V. LEMOINE & SON, Nancy, France.

Catologues on application.

Gladioli....

Write for 1908 trade list of Named Varieties, Color Sections and Choice Mixtures. First-class stock at reasonable prices:

E. E. STEWART, RIVES JUNCTION, MICH.

Asparagus Plumosus Nanus

We handle this Asparagus both in seeds and plants of all sizes, in very large quantities and make very close prices on larger amounts on application. Our seed is pure fresh, of best germinating quality and extraordinary vitality

Northern Greenhouse-Grown Seed. Per 100 seeds, **60c;** 250 seeds **$1.25;** 1000 seeds, **$4.00;** 5000 seeds **$19.50;** 10,000 seeds, **$37.50.** Price for larger lots on application.

Vaughan's Seed Store Chicago and New York

Lilies For Easter.

Fine 3, 4 5 and 6 buds. Place orders at once. Have them shipped now.

Hydrangeas.

6-, 7-, 8- and 9-inch plants, 6 to 15 heads. Place orders now and name date you want shipped.

Spireas.

4 varieties, fine large plants.....**35, 50, 75**

Crimson Ramblers, 5- and 6 in.
Baby Ramblers, 2½-, 3-, 4- and 5-in.
Madam Soupert Roses, 3- and 4-inch.
Primrose Obconica, 2½-, 3- and 4-in.

Will all be in for Easter. All kinds of **BULB STOCK.** Write

GEO. A. KUHL,

Wholesale Grower. **PEKIN, ILL.**

Albany, N. Y.

The Florists' Club the past week contributed two handsome designs for the funerals of relatives of the members. A large standing wreath of lily of the valley and roses was made and sent to the funeral of Mrs. George Sambrook at Watervliet. Mrs. Sambrook was the wife of one of the oldest growers in this vicinity and mother of the Sambrook brothers, Fulton street, Troy, and of Mrs. William Hannell, Watervliet. The club also contributed a handsome cross of lily of the valley and violets for the funeral of the mother-in-law of Fred Henkes in Troy.

The Young Men's republican club of Proctor, Vt., on March 5 sent a telegraphic order to Eyres for a 36-inch wreath for the funeral of United States Senator Redfield Proctor which took place on the following afternoon at 3 o'clock at the Proctor homestead. The wreath was of bronze galax, seven dozen Richmond roses, and 500 violets, tied with a bow of No. 120 violet ribbon. The design had to be made very quickly to catch a train in time for delivery the following morning. R. D.

PELARGONIUMS.

We have a fine lot of good strong plants in 3 in. pots at $1.50 per doz., $6.50 per 100. such varieties as Purity, Gloriosa Countess of Crew, Tommy Dodd. Duke of Cornwall, Lady Carrington and others.

GERANIUMS.

A splendid stock of fine plants from 2-in. pots, good standard sorts and new varieties at $2.00 per 100 and up to $1.00 each. We will send 1000 in 20 good varieties our selection for $18 50. Our Special descriptive Geranium catalogue describing over 250 varieties of Geraniums and Pelargoniums mailed free to the trade.

HARDY CHRYSANTHEMUMS

Our collection of Hardy Chrysanthemums will compare favorably with any in the country, and we have an immense stock ready for shipment. Small flowered or Button varieties $2.00 per 100; large flowered or Aster type $3.00 per 100. Descriptions will be found in our wholesale list

DAHLIA ROOTS.

We can still offer about 75 varieties in Cactus, Decorative, Show and Pompon true to name at $5.00 per 100 and up for whole field grown clumps. One thousand, 50 each of 20 varieties, our selection, for $40.00 all good kinds a splendid collection for planting or just the thing for store trade.

	Per 100
Ivy Leaved Geraniums, 6 good kinds $25.00 per 1000	$3.00
Hardy Chrysanthemums, 75 varieties	$2.00 to 3.00
Alyssum, Giant double	2.00
Cuphea, Cigar plant	2.00
Coleus, Verschaffeltii, Golden Bedder, and other kinds	2 00
Fuchsias, Black Prince and Minnesota... Lieutenant Muritz, White and Rose Phenomenal	2.00 2.50
Hardy English Ivy, extra strong	$15.00 per 1000 2.00

	Per 100
Hollyhocks, strong 3-in. pot plants, dbl. white, pink, red and yellow	$3.00
Lantanas, 5 varieties	2.00
Lobelia, Crystal Palace Gem	2.00
Panicum, Variegated, handsome basket plants	2.00
Tradescantia, dark variegated	2.00
Verbena, red white purple and pink	2 00
Caladium Esculentum, first size	2.00
Second size	1.00
Lavender, 2½-in. pots, strong	3.00
Swainsona alba	2.00

Visitors always welcome. Cash with order.

R. Vincent, Jr. & Sons Co., WHITE MARSH, Balto Co., MD.

60 Choice Varieties of

VERBENAS

PERFECTLY HEALTHY—NO RUST.

ROOTED CUTTINGS, our selection.....$0 75 per 100; $ 6 00 per 1000
PLANTS, our selection, 2¼-inch pots..... 2 50 per 100; 20 00 per 1000

ROOTED CARNATION CUTTINGS

Clean and Healthy...

WHITE VARIETIES.	Per 100	Per 1000
White Perfection	$6 00	$50 00
White Enchantress	6 00	50 00
Lady Bountiful	3 00	25 00
My Maryland	3 00	25 00
The Queen	2 00	17 50
Queen Louise	2 00	17 50
Flora Hill	1 50	12 00
RED VARIETIES.		
Cardinal	$3 00	$25 00
Robert Craig	3 00	25 00
Flamingo	2 50	20 00
Crisis	2 00	17 50
Portia	1 50	12 00
Governor Roosevelt	2 00	17 50
Harlowarden	2 00	17 50

PINK VARIETIES.	Per 100	Per 1000
Enchantress	$3 00	$25 00
Mrs. Thomas Lawson	2 00	17 50
Dorothy	1 50	12 50
Mrs E. A. Nelson	1 50	12 00
William Scott	1 50	12 00
Mrs. Francis Joost	1 50	12 00
YELLOW VARIETIES.		
Golden Beauty	$2 00	$17 50
Buttercup	2 50	20 00
Eldorado	2 00	17 50
VARIEGATED VARIETIES.		
Jessica	$3 00	$25 00
Mrs. M. A. Patten	2 50	20 00
Judge Hinsdale	2 50	20 00

60,000 Grafted Roses for Forcing

THE FINEST GROWN.

Orders booked for delivery in April, May and June.

	Per 100
Chatenay, Killarney, Richmond, Liberty, La France, rose pots	$15 00
3½-inch pots	18 00
Bride, Bridesmaid, Golden Gate, Kaiserin, rose pots	Per 100 $10 00
3½-inch pots	15 00
OWN ROOT ROSES	$9 00 and $7 00 per 100

—SEND FOR PRICE LIST.—

J. L. DILLON, Bloomsburg, Pa.

LARGEST STOCK OF ALL

Belgian Plants

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

LOUIS VAN HOUTTE, PERE,
GHENT, BELGIUM.

DALLAS, TEX.—A horse belonging to the Texas Seed & Floral Co., ran away February 26, the wagon to which it was harnessed colliding with a buggy in which two ladies were driving. Fortunately the lady who was driving managed to swerve her horse in time and both of them escaped injury.

NEW VIOLET BOSTON.

In introducing this new variety to the trade I wish to state that I have been growing it in quantity for the past two years and do not hesitate to state that it is entirely distinct a strong grower, a free bloomer and the finest single violet in cultivation. Ready for distribution in April and May. Orders booked now. **$2.00** per doz.; **$12.00** per 100; **$100.00** per 1000. 500 at 1000 rates.

WILLIAM SIM, **Cliftondale, Mass.**

KNOWLTON, QUE.—The directors of the Horticultural Society conferred with the citizens in regard to holding the annual exhibition here instead of in Brome. It was decided to move here if the society could secure enough financial assistance.

Notice to Florists

THE FRUIT AUCTION COMPANY, New York City, beginning at an early date this spring, will inaugurate Daily Auction Sales at wholesale of Plants, etc.

Exceptional facilities provided in our new building, centrally located at **200, 202** and **204 Franklin Street** (corner Washington Street). Date of initial sale will be announced in next issue of this paper. For terms and all other detailed information address:

THE FRUIT AUCTION CO.

P. O. Box 640, NEW YORK CITY.

Correspondence and personal interviews cordially invited. Payments will be made to sellers of plants the day following sale.

The movement to sell Plants by Auction at Wholesale has the support and commendation of Leading Growers and Importers.

Cinerarias

3, 4, 5 and 6 inch pots, **80c, $1.75, $3.00** and **$4.75** per doz:

Write for prices on **BEDDING PLANTS.**

Please send cash with order.

CHAS. SHERWOOD,
WATERLOO, IA.

Red Bank, N. J.

The fourth annual banquet of the Monmouth County Floricultural Society was held at the Sheridan hotel March 3, and it was the best the society ever had. The proprietor, Fred Fisk, eclipsed all previous efforts in the dinner he prepared. It was the unanimous opinion of the guests that they had never sat down to a finer spread. The decorations were splendid and admired by everybody. They were made by Wm. Turner, Geo. Hale, H. S. Kettel and N. Butterbach.

Following the feasting there was a short season of speech-making. Every one was only permitted five minutes. Among the speakers were: A. Herrington, Madison; Rev. J. A. Reynolds, Red Bank; J. Kenney, Henry Wood, G. Steele, H. S. Kettel and N. Butterbach. The Rickards brothers entertained us with the newest songs. Visitors were: The Scollay brothers, Dr. E. Fields, Rev. J. A. Reynolds, W. Woods, W. L. Rementer, of Vaughan's Seed Store, New York; Geo. Corliss, R. Stryker, Hardiall, N. Y., and many others, about 65 in all.

B.

Stock YOU NEED NOW.

Cannas. 2 and 3 eyes. Austria, Allemania, Chas. Henderson, Fair Hope, Progression, Shenandoah, $2.00 per 100; $17.00 per 1000.
Beaute Poitevine, Crimson Bedder, Egandale, Florence Vaughan, Papa Nardy..... .....$3 00 per 100; $25.00 per 1000
King Humbert.....$10 00 per 100

Dahlias. (Field-grown roots.) Wm. Agnew, Countess of Lonsdale, Nymphæa, Mrs. Wellesley, Admiral Dewey, A. D. Livoni and Fern Leaf Beauty .... $5.00 per 100
Grand Duke Alexis and Kriemhilde..... 7.00 per 100

Marguerites. Queen Alexandra $3.00 per 100
Coronation..... 3.00 per 100

Boston Ferns. Plants well established, in 2½-inch pots $4.00 per 100; $30.00 per 1000.

Small Ferns. For Dishes. .....$2 50 per 100

GERANIUMS. Per 100
A. H. Trego, John Doyle, S. A. Nutt, Berthe de Pressily, Mme. Barney.....$2 50
Our choice of varieties, in pink, red and white 2.00

BEGONIAS.
Marjorie Daw, Thurstoni, Metallica, Rubra and Argentea Guttata..... 4.00
Tuberous Rooted, Single, in named colors, white, pink, scarlet, crimson and yellow....$3.00
Mixed..... 2.50
Tuberous Rooted, Double, in named colors, white pink, scarlet, crimson and yellow.... 5.00
Mixed..... 4 00

Bougainvillea Glabra Sanderiana.
2½-inch, $4.00 per 100; 4-inch, ready to bloom .. .. $20.00 per 1000

Boxwood. Pyramids, 36 inches high, ...$1.75 each

Boxwood. Bush form, very heavy, 30 to 36 inches high.....$2.00 each

Rhododendrons. Short, well formed plants for pots, full of buds,
18-inch size.....$ 9 00 per dozen
24-inch size..... 12.00 per dozen

Azalea Mollis Bushy plants, full of buds and easy to force,
12 to 15 inches high.....$25.00 per 100
15 to 18 inches high..... 35.00 per 100

Kentia Palms in all sizes.

Latania Borbonica. 7-inch pot plants, 5 to 6 leaves, 18 to 20 inches high, 75c each; 8-inch pot plants, 6 to 7 leaves, 20 to 22 inches high.....$1.25 each

THE STORRS & HARRISON CO., Painesville, Ohio

PANSY PLANTS.

	Per 1000	100
Giant Flowering	$ 2.50	.50
Alternantheras, Red and Yel., Apl. 10		2.00
Coleus, 2¼-in pots, 10 varieties		2.00
Canna, C. Henderson, and eight other varieties dry bulbs		2 00
Vinca, Variegated, 2¼-in. pots		2 50
Verbenas, April 15th		2.00

GERANIUMS.

	Per 1000	100
10 varieties 2½-in. pots	$25 00	3.00
10 varieties 3-in. pots, Apl. 1		4.00
Rose Geraniums,		2.00
Double Petunias, Apl. 1		3.00
Asp. Plumosus, Apl. 1		2.00
Asp. Sprengeri, Apl. 1		2.00
Centaurea Gym. Apl. 15		2.00

—CASH—

JOS. H. CUNNINGHAM, Delaware, O.

Berkshire Petunia

A fine. free flowering. fringed pink double Petunia. Flowers measuring 3 inches across; a most valuable acquisition, with no "fancy" price attached.

ROOTED CUTTINGS,
$2.50 per 100; $20.00 per 1000; 500 at 1000 rates.

Stock grown at and sent from Pittsfield, Mass.

S. S. SKIDELSKY
1731 N. 18th St., Philadelphia, Pa.

Sprengeri, 2-in. 2c **Swainsona alba,** 2-in.. 2c **Heliotrope,** 2-in. 2c. **Feverfew,** 2-in. 2c. **Coleus** 2-in. 2c. **White Ageratum,** 2½-in. 2c. **Ferns,** Piersoni. Elegantissima. 2-in. 3c,

Rooted Cuttings prepaid per 100: **Flowering Begonias,** $1.25 per 100; **Paris Daisies,** yellow and white, $1.00 per 100; Alexandra $1.25. **Petunia,** double. 10 kinds $1.00; **Swainsona Alba,** $1.00. **Cuphea,** 75c. **Heliotrope,** 3 kinds $1.00, **Fuchsia,** 5 kinds. $1.25. **Vinca Variegata,** 90c. **Hardy Pinks,** 5 kinds. 75c. **Alternanthera,** 3 kinds. 50c. **Coleus,** 10 kinds, **Ageratum,** Gurney. Pauline. White. Inimitable, 60c. **Alyssum,** dbl. 75c **Salvia,** Bonfire. Splendens 90c. **Feverfew,** Gem. $1.00. **Parlor Ivy,** 75c **Impatiens,** 3 kinds, $1.00

Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

Neph. Whitmani

2¼-inch........................$ 5.00 per 100
3½-inch........................ 25.00 per 100

Boston Ferns 2¼-inch, $3.00 per 100.

Henry H. Barrows & Son, WHITMAN. MASS.

ARAUCARIAS.

Nice plants from 5-in. pots. 4 to tiers

60c each. $5.50 per dozen.

The Conard & Jones Co. WEST GROVE, PA.

Nephrolepis Amerpohlii

For immediate delivery. Good strong plants from 2½-in. pots. $15.00 per 100.

JANESVILLE FLORAL CO.,
JANESVILLE, WIS.

Columbus, O.

TRADE DULL.

There have been no society events of any importance during the past week; all stock is moving slowly and prices are low. Carnations are bringing anything from 25 cents to 75 cents per dozen. Violets are fine but the demand light. Bulbous stock is very plentiful and the demand fair. There has been an over supply of primroses on hand lately and plants are being sold at almost any price to get rid of them. Plants that would under ordinary circumstances bring 50 to 75 cents are now being run off at 15 cents each. Azaleas and callas are looming up in fine shape, but unless trade picks up there will be a slight over supply of the former. Cut callas seem to be very popular this year for both vases and flat sprays. There has been a very heavy demand for fernery plants this winter and in some cases the demand exceeded the supply. Cinerarias are coming into flower now, plants selling at about 25 cents each.

Livingston Seed Co. have been running Saturday specials for some time. Carnations were last Saturday's special.

CARL.

PREPARE FOR EASTER

Araucarias, Azaleas and the Cultivation of Choice Easter Plants Our Specialties.

Never mind hard times. Look for a big Easter trade. Secure your supply early. All our houses are full to their utmost capacity with the choicest plants in **bud.** Just right for Easter—in fine condition; finer than ever before. With a little forcing they can be brought into bloom at any time, according to your requirements.

Araucarias Robusta Compacta and **Glauca,** a perfect marvel and wonder of nature. We are one of the heaviest importers and cultivators of this beautiful decorative plant. Our plants are about the same in height as in width.

Robusta Compacta, 7-in. pots, specimen plants, 6-year-old, 5 tiers, 27 to 30 in. high, $2.00 to $2.50 each.

Excelsa Glauca, specimen 7-in. pots, 6-year-old (the fine bluish-green color makes or gives this variety a fine, striking appearance—sells at sight), 30 to 40 in. high, 4, 5 and 6 tiers, $1.50, $1.75, $2.00, $2.50 to $3.00 each.

Araucaria Excelsa, 6-in. pots, 4 to 5 years old, 20 to 25 in. high, 4,5 and 6 tiers. 75c to $1.00 each; 5¼-in. pots, 3 years old, 3 to 4 tiers, 7, 8, 10 to 14 in. high, 40c to 50c each.

Azalea Indica. We make a specialty of importing every year an immense stock of the choicest varieties popular in America, grown under contract for us by an Azalea specialist in Ghent, Belgium. If you need Azaleas, don't look around in vain all over the country for bargains, but come or write direct to us. We will be able to supply you with the best obtainable in the American market; full of buds; in good, healthy condition, right for Easter; all planted in October or November in 6 to 7 in. pots.

☞ **Take Notice.** We do not sell Azaleas in the fall, having the best picked out (and having the rubbish left for Easter), but we keep them all full of buds for our customers for Easter. Mme. Van der Cruyssen (2,500 of them), this is the best double pink variety known to the market, round as an apple, covered with buds; Simon Mardner (dbl. pink), Vervæneana (variegated dbl. rose), Bernard Andreas Alba (dbl. white), Niobe (dbl. white), Deutsche Perle (dbl. white), Empress of India (dbl. variegated), Professor Wolters, and about six more varieties. Price: 6-7-in. pots, 60c, 75c, $1.00, $1.25, $1.50, $1.75 to $2.00 each.

Kentia Belmoreana and **Forsteriana,** Belgium and home-grown stock, 4-in. pots, 18 to 20 in. high, 35c; 5¼, 5½ and 6 in. pots, bushy plants, 50c, 60c and 75c each.

Latania Borbonica, 5-in., 30c.

Asparagus Plumosus Nanus Compacta, 4-in. pots, $10.00 per 100.

Dracena Bruanti, from Belgium, full of green foliage from bottom to top, 6-in. pots, 22 to 25 in. high, 40c each

Cineraria Hyb., 4-in., $5.00 per 100; 5-in., 20c each; 6-in., $3.00, $4 00 to $5.00 per doz.

Choice Nephrolepis, all pot-grown.

Boston Ferns, 8-in., as big as a washtub. $1.25 to $1,50 each; 7-in., $1.00; 6-in., 50c; 5 to 5½-in., 35c to 40c.

Whitmani Ferns, 8-in., $1.50; 6-in., 50c.

Scottii Ferns, 7-in., $1.00 to $1.25; 6-in., 50c; 5½-in., 40c.

In Philadelphia there's a florist noted,
Aschmann his name, his plants beyond compare;
To a sweet girl his heart is all devoted,
Next rank his Araucarias, passing fair;
When seen together they're a pair so charming—
Brimful of beauty—both he cannot keep;
So to his heart he'll hold his winsome darling,
While you may have the Araucarias cheap.

Ficus Elastica or **Rubber Plant,** home grown and Belgium stock, 5, 5½, 6 and 7 in. pots, 30c, 35c, 50c, 60c and 75c each.

Begonia Improved Erfordii, 4-in. pots, very large, $2.00 per doz.; 5¼-in., in bloom and bud, 25c each, or $3.00 per doz. **Begonia Flambeau,** 5½-in. pots, sells on sight, 25c.

Cyclamen Grandiflora, 4-in., in bud and bloom, 20c.

Hydrangea Otaksa, 6 to 7 in. pots, in bud, 35c, 50c, 75c and $1.00 each; right for Easter.

EASTER LILIES. Japan Multiflorum, of our own importation, raised from special 10-in. bulbs, 6-in. pots, right for Easter. This year I can say we have the finest lot we ever had. Have about 5,000 to offer. Please send your order in time this year, as we have such a big demand every year for Lilies that some cannot be supplied. Prices as usual. Plants above 5 buds, 10c; plants under 5 buds, 12c per bud. (Medium height).

Spirea Gladstone. 6 to 7-in. pots, large stock, right for Easter, in bud now, 50c to 75c.

Watch adv. for Hyacinths, Tulips and Daffodils later on.

Please mention if in or out of pots. All goods must travel at purchaser's risk. Cash with order, please

GODFREY ASCHMANN, 1012 West Ontario Street, **Philadelphia**

Importer, Wholesale Grower and Shipper of Pot Plants.

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2¼-inch Boston, extra strong	$ 3 00 per 100;	$ 25 00 per 1000
3 -inch Boston, extra strong	6 00 per 100;	55 00 per 1000
4 -inch Boston, extra strong	10 00 per 100;	95 00 per 1000
3 -inch Scottii and Elegantissima	8 00 per 100;	75 00 per 1000
4 -inch Scottii	12 50 per 100;	100 00 per 1000
2¼-inch Elegantissima	4 00 per 100;	35 00 per 1000
4 -inch Elegantissima	15 00 per 100	
6 -inch Boston and Piersoni	35 00 per 100	
2¼-inch Asparagus Plumosus	$3 00 per 100;	$25 00 per 1000
3 -inch Asparagus Plumosus	5 00 per 100;	45 00 per 1000
2¼-inch Asparagus Sprengeri	2 25 per 100;	20 00 per 1000
3 -inch Asparagus Sprengeri	5 00 per 100;	45 00 per 1000
4 -inch Asparagus Sprengeri	8 00 per 100;	75 00 per 1000

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The Grand New Double Geranium

"FENICAL"

Since I am willing to introduce this new and excellent variety to the public, I am sure it will bring joy, gladness and satisfaction to all who are willing to take hold of it.

IN SIZE IT IS THE LARGEST ON RECORD,

Clusters measuring from three to five and one-half inches in diameter.

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A large sum has been refused for the sole right of this plant.
Try a lot of them and be convinced.
If you wish something good, now is your chance.
I must sell owing to the crowded condition of my greenhouses.

All plants will be delivered strictly in rotation.

PRICES ARE AS FOLLOWS:

Fine 2½-inch plants.....$2.00 per doz.
Fine 3½ inch plants..... 2.75 per doz.
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Kindly remit with order.

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Pot Grown Shrubs which will bloom in 3 to 4 weeks after placed into heat.

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Lilac, Chas. X and Marie LeGray.....	$ 1.00	$10.00
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Prunus Triloba, Bushy grown, 18 in. high	.50	5.00
Prunus Triloba, Simplex & Georgica, 18 in. high	.50	5.00
Malus, in 3 sorts Floribunda, Atrosanguinea and Scheideckeri, bushy pot grown plants, 2½ ft.....	1.00	10.00
Azalea Mollis, full of buds.....	.50	4.50
Deutzia Gracilis, 7 in. pots.....	.15	1.50
Deutzia Lemoine, 7 in. pots.....	.25	2.50
Rhododendrons, 8-12 buds.....	.75	9.00
Rhododendrons, 12-18 buds.....	1.25	12.00

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FOR EASTER FORCING.

2-year old Budded Roses, per doz., $2.00; per 100, $15.00.
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La France Soleil d'Or Gruss an Teplitz
Frau K. Druschki and Hermosa.

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Ball of Snow Gen. Jack M. P. Wilder
Capt. Christy Mad. C. Testout Mrs. J. Laing.
Ulrich Brunner and many other kinds.

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Crimson Rambler, 2-yr., strong imported stock....	12.00
Dorothy Perkins, 2-yr., home grown for Easter forcing	12.00
Lady Gay, 2-yr., budded stock.....	20.00
Philadelphia Rambler, 2-yr., home grown	12.00
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White Baby Rambler, 2 1-2 in.....	10.00
Red Kaiserin, 2-yr. dormant	25.00

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Andrew Carnegie, 2-in. pots	12.00	100.00
Defiance	12.00	100.00
Sarah Hill, 2-in. pots	12.00	100.00
Winona, from sand	12.00	100.00
White Enchantress	6.00	55.00
Lady Bountiful, from soil	3.00	25.00
Red Chief, ...	5.00	40.00
Red Riding Hood, from soil	5.00	40.00
Victory, from soil	3.00	25.00
Robt. Craig	3.00	25.00
Aristocrat	6.00	50.00
Pink Patten, from soil	2.50	20.00
Mrs. T. W. Lawson	2.00	15.00
Winsor, 2-in. pots.....	6.00	45.00
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Enchantress, from soil or sand	3.00	25.00
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BROOKLINE, MASS.—James Quinn of Harvard street is a candidate for the office of selectman. Mr. Quinn's sympathy will be with the working and small business classes.

OWENSBORO, KY.—The Nanz Floral Co. will move from its present location to the corner of Main and Allen streets, the building having been remodelled to suit the trade of the firm.

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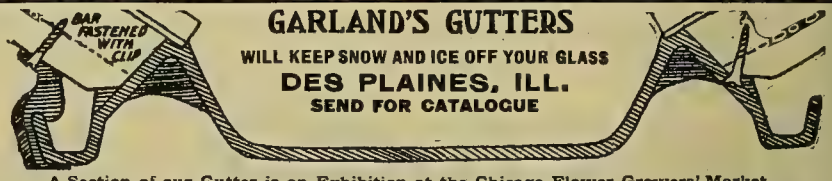

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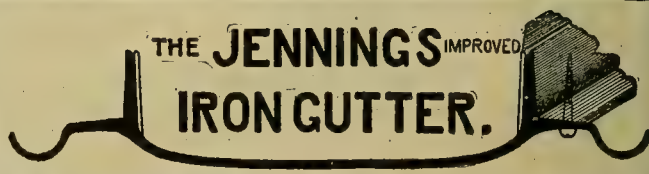

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Ageratums, 60c per 100; $5 per 1,000. S. D. Brant, Clay Center, Kans.

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Alternantheras, R. C., red, and yellow, 50c per 100; $4 per 1,000. Brilliantissima, 60c per 100; $5 per 1,000. Davis Bros., Morrison, Ill.

Alternantheras, 3 kinds, 50c. Byer Bros., Chambersburg, Pa.

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Alyssum, giant double, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Alyssum, dbl., R. C., $1 per 100; $8 per 1,000. S. D. Brant, Clay Center, Kans.

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Ampelopsis Veitchii, strong, well rooted plants, 20 to 30-in. tops, well graded, $2.50 per 100; $20 per 1,000; 1-year-old for transplanting; 12 to 24-inch, $1.50 per 100; $12 per 1,000; 2,000 for $20. For sample send 25c, which will be credited on the first order. Charles Black, Hightstown, N. J.

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Water hyacinths, $2 per 100; $10 per 1,000, also Fish grasses or any other water plants. B. M. Wichers & Co., Gretna, La.

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Araucarias, robusta compacta, 7-in., 5 trs., 27 to 30 ins., $2 to $2.50 each. Excelsa glauca, 7-in., 30 to 40 ins., 4 to 6 trs., $1.50 to $3 each. Excelsa, 6-in., 4 to 6 trs., 20 to 25 ins., 75c to $1; 5¼-in., 3 to 4 trs., 7 to 14 ins., 40c to 50c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Araucarias, 4-in., 50c each; 5-in., 75c; 6-in., $1. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Araucarias, 5-in., 4 to 5 tiers, 60c each; $5.50 per doz. Conard & Jones Co., West Grove, Pa.

Araucarias. L. Van Houtte, Ghent, Belgium.

ASPARAGUS.

Asparagus plumosus, 2½-in., $3.50 per 100; $30 per 1,000; 3-in., 6c; 3½-in., 10c; 4-in., 12c; 5-in., 20c; 6-in., 30c. Comorensis, 2-in., 2c; 2½-in., 3c; 3½-in., 6c. Sprengeri, 2½-in., 3c; 3½-in., 8c; 4-in., 10c. J. W. Dunford, Clayton, Mo.

Asparagus plumosus, 2-in., $2.75 per 100; $25 per 1,000; seedlings, $1.25 per 100; $9 per 1,000. Wm. F. Kasting Co., Buffalo, N. Y., or Erie Floral Co., Erie, Pa.

Asparagus plumosus, 3-in., $7 per 100; $60 per 1,000; 2¼-in., $4 per 100; $35 per 1,000. Robt. Craig Co., Market and 49th Sts., Phila.

Asparagus plumosus, 6-in., for benching, $15 per 100; $125 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Asparagus plumosus, 3-in., $5 per 100. Buffalo Cut Flower Co., Buffalo, N. Y.

Asparagus plumosus, 4-in., $10 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus plumosus, $2 per 100; Sprengeri, $2 per 100. Jos. H. Cunningham, Delaware, O.

Asparagus Sprengeri, 2¼-in., extra strong plants ready to shift into 3½-in., $2.50 per 100. The Perennial Gardens Co., Toledo, O.

Asparagus Sprengeri, 3-in., 4c. Plumosus nanus, 3-in., 4c. J. D. Thompson Carnation Co., Joliet, Ill.

Asparagus Sprengeri, 2-in., 2c. Byer Bros., Chambersburg, Pa.

AZALEAS.

Azaleas, Mme. Van der Cruyssen, Simon, Mardner, Vervæneana, Bernard Andreas alba, Niobe, Deutsche, Perle, Empress of India, Prof. Wolters, etc., 6 to 7-in., 60c to $2 each. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Azalea mollis, full of buds, 12 to 15 ins., $25 per 100; 15 to 18 ins., $35 per 100. Storrs & Harrison Co., Painesville, O.

Azalea mollis, full of buds, 50c each; $4.50 per doz. Vaughan's Seed Store, Chicago and New York.

Azaleas. J. W. Dunford, Clayton, Mo.

Azaleas. Geo. A. Kuhl, Pekin, Ill.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

Azaleas. Jacs Smits, Ltd., Naarden, Holland.

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Bay trees. L. Van Houtte, Pere, Ghent, Belgium.

Bay trees. W. & T. Smith Co., Geneva, N. Y.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

BEGONIAS.

Begonias. Marjorie Daw, Thurstoni, Metallica, Rubra and Argentea guttata, $4 per 100. Tuberous rooted, single, named colors, $3 per 100; mixed $2.50 per 100; double, $5 per 100; mixed, $4 per 100. Storrs & Harrison Co., Painesville, O.

Begonia, improved Erfordii, 4-in., $2 per doz.; 5¼-in., in bloom, 25c each. Flambeau, 5½-in., 25c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Rex begonias, $5 per 100; $45 per 1,000. Dingee & Conard Co., West Grove, Pa.

Begonias, flowering, R. C., $1.25 per 100. Byer Bros., Chambersburg, Pa.

Begonia Gloire de Lorraine, 2¼-in., $15 per 100; $140 per 1,000. Wm. F. Kasting, Buffalo.

Begonias, L. Van Houtte, Pere, Ghent, Belgium.

BOUGAINVILLEAS.

Bougainvillea glabra Sanderiana, 2½-in., $4 per 100; 4-in., ready to bloom, $20 per 100. Storrs & Harrison Co., Painesville, O.

BOXWOOD.

Boxwood, pyramid, 36 ins., $1.75 each. Bush form, 30 to 36 ins., $2 each. Storrs & Harrison Co., Painesville, O.

Boxwood; Jacs Smits, Ltd., Naarden, Holland.

BULBS, American.

Tuberoses, true dwarf Excelsior strain. Excelsior Pearl, 1st size bulbs, $1 per 100; $9 per 1,000. Begonias, tuberous rooted single white, yellow, scarlet and pink, 35c per doz.; $2.50 per 100. Double white, yellow, scarlet and pink, 60c per doz.; $4.50 per 100. Gloxinias, sep. colors. 50c per doz.; $3.50 per 100. Vaughan's Seed Store, Chicago and New York.

Bulbs. Mexican tuberoses, 1st size, $8 per 1,000; 2nd size, $6 per 1,000. Furrow & Co., Guthrie, Okla.

Bulbs of all kinds. A. T. Boddington, 342 W. 14th St., New York.

BULBS, Imported.

Bulbs, hyacinths, single, King of the Blues, Czar Peter, Norma, etc., $3 per 100; mixed, $2 per 100; double: Goethe, Lord Raglan, Pure d'Or, Bloksberg, etc., $3 per 100; Crocus, named, $3 per 1,000; mixed yellow; mixed purple, $2.50 per 1,000. Dingee & Conard Co., West Grove, Pa.

Bulbs, Lilium Harrisii; also Spiræa Gladstone, Lilium Auratum, Speciosa album, S. rubrum; Japan iris. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs. French bulbs; Japan lilies; Lilium Harrisii. Wm. Hagemann & Co., 55 Dey St., New York.

Bulbs, hyacinths, tulips, narcissus, crocus, spiræas, gladiolus. Van Zanten Bros., Hillegom, Holland.

Bulbs, hyacinths, tulips and narcissus. W. J. Eldering & Son, Overveen, Haarlem, Holland.

CALADIUMS.

Caladium esculentum. 1st size, $2 per 100; 2nd size, $1. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Caladiums, elephants ear, 7-9-in., $3.50 per 100; $32 per 1,000; 9-12-in., $6 per 100; $55 per 1,000; 12-in. and up, $14 per 100. Vaughan's Seed Store, Chicago and New York.

CANNAS.

Cannas, Austria, Allemania, Alsace, Bouvier, Capt. Drugeon, C. Henderson, J. D. Eisele, F. Vaughan, Kate Gray, Pres. Viger, Pennsylvania, Pres. Myer, Sonv. de A. Crozy, $2.50 per 100; $20 per 1,000; David Harum, $4 per 100, $35 per 1,000. Egandale (3-in. pots only) $5 per 100. King Humbert, 4-in., $25 per 100. W. W. Coles, Kokomo, Ind.

Cannas, 2 and 3 eye, Austria, Allemania, Chas. Henderson, Fair Hope, Progression, Shenandoah, $2 per 100; $17 per 1,000. B. Poitevine, Crimson Bedder, Egandale, F. Vaughan, Papa Nardy, $3 per 100; $25 per 1,000. King Humbert, $10 per 100. Storrs & Harrison Co., Painesville, O.

Cannas. J. M. Thorburn & Co., 33 Barclay St., New York.

Cannas, dormant, 2-eyes, Chas. Henderson, the best red; Florence Vaughan, 2c; $1.90 per 100. W. H. Humfeld Floral Co., Kansas City.

Cannas. See our display advertisement for varieties and prices. Mosbæk Greenhouse Co., Onarga, Ill.

Cannas, leading vars., $10 per 1,000 up. Dingee & Conard Co., West Grove, Pa.

Cannas, Chas. Henderson, $2 per 100. Jos. H. Cunningham, Delaware, O.

CARNATIONS.

Carnations, White Perfection, White Enchantress, $6 per 100; $50 per 1,000. Lady Bountiful, My Maryland, Cardinal, Craig, Enchantress, Jessica, $3 per 100; $25 per 1,000. The Queen, Q. Louise, Crisis, Gov. Roosevelt, Harlowarden, Mrs. T. Lawson, G. Beauty, Eldorado, $2 per 100; $17.50 per 1,000. Flora Hill, Portia, Mrs. Nelson, Wm. Scott, Joost, $1.50 per 100; $12 per 1,000. Flamingo, Buttercup, Mrs. Patten, Judge Hinsdale, $2.50 per 100; $20 per 1,000. Dorothy, $1.50 per 100; $12.50 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Carnations, rooted cuttings, Afterglow, Andrew Carnegie, Defiance, Sarah Hill, Winona, $12 per 100; $100 per 1,000. White Enchantress, $6 per 100; $55 per 1,000. Lady Bountiful, Victory, Robt. Craig, Melody, Enchantress, $3 per 100; $25 per 1,000. Aristocrat, Winsor, $6 per 100; $45 per 1,000. Red Chief, Red Riding Hood, $5 per 100; $40 per 1,000. Pink Patten, Mrs. Patten $2.50 per 100, $20 per 1,000. Mrs. T. W. Lawson, Prosperity $2 per 100; $15 per 1,000. Rose Pink Enchantress, $4 per 100; $30 per 1,000. Vaughan's Seed Store, Chicago and New York.

Carnations. Winsor, White Enchantress, from sand, $6 per 100; $50 per 1,000; from soil, $7.50 per 100; $60 per 1,000. Beacon and Red Chief, from sand, $6 per 100; $50 per 1,000; from soil, $7.50 per 100; $60 per 1,000. Victory, Melody, White Perfection, from sand, $4 per 100; $35 per 1,000; from soil, $6 per 100; $45 per 1,000. Variegated Lawson, White Lawson, Red Lawson, from sand, $3 per 100; $25 per 1,000; from soil, $4 per 100; $35 per 1,000; Winona and Afterglow, $12 per 100; $100 per 1,000. F. R. Pierson Co., Tarrytown, N. Y.

Carnations. White Lawson, Pink Lawson, R. C., $2 per 100; $20 per 1,000; 2½-in., $35 per 1,000. Var. Lawson, R. C., $2.20 per 100; $20 per 1,000; 2½-in., $35 per 1,000. Victory, Rose Pink Enchantress, Enchantress, R. C., $3 per 100; $25 per 1,000; 2½-in., $40 per 1,000. Winsor, White Enchantress, Aristocrat, R. C., $5 per 100; $45 per 1,000; 2½-in., $60 per 1,000. White Perfection, R. C., $4 per 100; $35 per 1,000; 2½-in., $50 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

CARNATIONS.

	100	1,000
Enchantress	$2.50	$20.00
Lawson	2.00	15.00
Robt. Craig	2.50	20.00
W. Cloud	1.50	10.00
W. Lawson	2.00	15.00
Nelson Fisher	2.50	20.00

WIETOR BROS., 51 Wabash Ave., Chicago.

Carnations, Winsor, Helen Gould, Beacon, $6 per 100; $50 per 1,000. White Enchantress, $7 per 100; $60 per 1,000. Melody, Victory, $4 per 100. Enchantress, Lady Bountiful, Red Lawson, V. Lawson, W. Lawson, Daheim, $3 per 100; $25 per 1,000. Mrs. Lawson, B. Market, $2 per 100; $15 per 1,000. Wood Bros., Fishkill, N. Y.

Carnation Lloyd, R. C., $2 per doz.; $12 per 100; $100 per 1,000; unrooted, $6 per 100; $50 per 1,000. H. A. Jahn, New Bedford, Mass.

If you do not find what you need in our Ready Reference Department, write us about it.

Carnations, Winona, $12 per 100; $100 per 1,000. Red Chief, Bonnie Maid, $5 per 100; $40 per 1,000. Aristocrat, Winsor, Beacon, White Enchantress, $6 per 100; $50 per 1,000. White Perfection, Rose Pink Enchantress, Enchantress, Lady Bountiful, Victory, $3 per 100; $25 per 1,000. Dorothy Whitney, $4 per 100; $30 per 1,000. Mrs. Patten, Harry Fenn, $3 per 100. F. Dorner & Sons, La Fayette, Ind.

Carnations, White Perfection, Rose Pink Enchantress, Victory, Robt. Craig, $3 per 100; $25 per 1,000. White Enchantress, $6 per 100. Enchantress, $2 per 100; $15 per 1,000. Lawson, $1.75 per 100; $15 per 1,000. Helen Goddard, $2.50 per 100. Aristocrat, $5 per 100. Beacon, $6 per 100; $45 per 1,000. Harlowarden, $1.75 per 100; $15 per 1,000. Eli Cross, Grand Rapids, Mich.

Carnations, Lawson, $1.50 per 100; $12.50 per 1,000. Winsor, $5 per 100; $40 per 1,000. Rose Pink Enchantress, $3 per 100; $25 per 1,000. Enchantress, White Lawson, Lady Bountiful, $2 per 100; $15 per 1,000. B. Market, $1.25 per 100; $10 per 1,000. Beacon, $5 per 100; $40 per 1,000. Robt. Craig, $2.50 per 100; $20 per 1,000. Cardinal, $2 per 100; $17.50 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Carnations, Enchantress,, J. E. Haines, P. Patten, $2 per 100; $15 per 1,000. Lawson, $1.50 per 100; $10 per 1,000. Pink Imperial, $3.50 per 100; $30 per 1,000. White Perfection, $3 per 100; $25 per 1,000. Winsor, $6 per 100; $50 per 1,000. A. M. Herr, Lancaster, Pa.

Carnations. Winsor, Aristocrat, $6 per 100; $50 per 1,000. Victory, $3 per 100; $25 per 1,000. Enchantress, $2 per 100; $20 per 1,000. Lawson, $1.75 per 100; $15 per 1,000. White Lawson, $2 per 100; $18 per 1,000. E. T. Wanzer, Wheaton, Ill.

Carnations. Beacon. Winsor, $6 per 100; $50 per 1,000. White Perfection, Rose Enchantress, $4 per 100; $35 per 1,000. Enchantress, $3 per 100; $25 per 1,000. Peter Fisher, Ellis, Mass.

Carnations. Pure White Enchantress, Beacon, Winsor, Aristocrat, strong healthy, well rooted cuttings, $6 per 100; $50 per 1,000. Satisfaction guaranteed. A. J. Stahelin, Redford, Mich.

Carnation cuttings, clean, healthy, well-rooted, the best in their colors: Rose Pink Enchantress (select stock) $3.50 per 100. White Enchantress. $6 per 100; Winsor $5 per 100; Enchantress $2.50 per 100. Harkett's Floral Nursery, Dubuque, Iowa.

Carnations, Enchantress, $3 per 100; $25 per 1,000. Rose Pink Enchantress, $3.50 per 100; $30 per 1,000. Robert Craig, $3 per 100; $25 per 1,000. Vesper, $2.50 per 100; $20 per 1,000. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Carnations, well rooted cuttings, good stock, White Enchantress and Aristocrat, $6 per 100; $50 per 1,000. Winsor and Helen Gould, $5 per 100; $40 per 1,000. Geo. F. Eakas, Sta. E., Baltimore, Md.

Carnations, Aristocrat, Winsor, $5 per 100; W. Perfection, $2.75; Enchantress, Lady Bountiful, $2; Victory, $2.75; Rose Pink Enchantress, $2.75. Perennial Gardens Co., Toledo, O.

Carnations, Victory, Imperial, Pink Imperial, Aristocrat, Winsor, Welcome, White Perfection, Lieut. Peary, Rose Pink Enchantress. Guttman & Weber, 42 W. 28th St., New York.

Carnations, rooted cuttings of all the new and leading commercial varieties. Send for price list. Wm. Swayne, Box 226, Kennett Square, Pa.

Carnations, Andrew Carnegie, $12 per 100; $100 per 1,000. Aristocrat, $6 per 100; $50 per 1,000. Chicago Carnation Co., Joliet, Ill.

Carnations, rooted cuttings, Fair Maid, Queen, $1 per 100; $8 per 1,000. Napoleon Lemay, 325 Hillman St., New Bedford, Mass.

Carnations, Lady Bountiful, Enchantress, $2 per 100; $18 per 1,000. Pettit & Sharpnack, Salem, O.

Carnation Splendor, $10 per 100; $75 per 1,000. Stevenson Bros., Govanstown, Balto,

Carnations, Enchantress, Boston Market, Lawson, etc. A. F. Longren, Des Plaines, Ill.

Carnation, Defiance, $12 per 100; $100 per 1,000. Jensen & Dekema, 674 W. Foster Ave., Chicago, or W. N. Rudd, Morgan Park, Ill.

Carnations. John E. Haines, Imperial and Pink Imperial, Enchantress, $6 per 100; $50 per 1,000. John E. Haines, Bethlehem, Pa.

Carnations, 4,000 extra fine Winsor, 2½-in., $6 per 100; $50 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, Queen. $10 per 100. White Enchantress, $5 per 100. Philip Schupp, 37 Randolph St., Chicago.

Carnation Afterglow, $2 per doz.; $12 per 100; $100 per 1,000. R. Witterstaetter, Sta. F., Cincinnati, O.

Carnations, White Enchantress, $6 per 100; $50 per 1,000. E. Schrader, New Springville, N. Y.

Carnation Beacon, R. C. W. W. Coles, Kokomo, Ind.

Carnations. E. G. Hill Co., Richmond, Ind.

CHRYSANTHEMUMS.

CHRYSANTHEMUMS.

White.	Per 100	Pink	Per 100
Oct. Frost	$3.00	Monogram	$2.00
Estelle	2.00	Lady Harlett	3.00
Polly Rose	2.00	Balfour	2.50
Robinson	2.00	Mary Mann	2.00
Merry Xmas	2.00	Mrs. Perrin	2.00
Yanoma	2.50	Dr. Enguehard	2.00
A. Byron	2.50	Maud Dean	2.00
W. H. Chadwick	3.00	Yellow	
T. Eaton	3.00	Appleton	$2.00
C. Touset	2.00	Golden Beauty	3.00
Beatrice May	3.00	Golden Wedding	2.50
Kalb	2.00	Oct. Sunshine	2.00
W. Bonnaffon	2.00	Chas. Cronin	2.00
Wanamaker	2.00	Maj. Bonnaffon	2.00
Red		Y. Eaton	3.00
Intensity	$2.00		
Black Hawk	2.00		

WIETOR BROS., 51 Wabash Ave., Chicago.

Chrysanthemums, rooted cuttings: White, Timothy Eaton, Mrs. Geo. S. Kolb, fine early; Estelle, White Bonnaffon, Alice Byron, Ivory, C. Touset, Jeannie Nonin, October Frost. Pink: Glory of the Pacific, Mary Mann, Dr. Enguehard, Maud Dean, Rosiere. Yellow: Major Bonnaffon, Yellow Eaton, Cremo, Robt. Halliday, Yellow Jones, "Baby" small yellow. Wm. Swayne, P. O. Box 226, Kennett Square, Pa. hibition. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemum cuttings, fine, strong, healthy stock, true to name and well rooted. October Frost, Touset, Rosiere, Alice Byron, Diana, Beatrice May, $1.25 per 100; $12.00 per 1,000. 2-in. stock, $3.00 per 100; $25.00 per 1,000. Ready now. Cash with order or C. O. D. Gunnar Teilmann, Marion, Ind.

Chrysanthemums, Monrovia, Oct. Sunshine, F. A. Cobbold, Mrs. Pockett, Col. Appleton, Nellie Pockett, Cheltoni, Lady Hopetoun, White Coombes, Ben Wells, etc., $3 per 100; $25 per 1,000; 2¼-in. Chas. H. Totty, Madison, N. J.

Chrysanthemums, hardy, small flowered, $2 per 100; large flowered or aster type, $3 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Chrysanthemums, leading commercial and exhibition vars. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums. R. C., leading vars., $1, $1.50 and $2 per 100. Schmalzl & Hembreiker, Lincoln, Ill.

The American Florist invites attention to the class of business firms in its adv. columns.

CINERARIAS.

Cineraria hybrida, 4-in., 10c; 5-in., 20c; 6-in., $3 to $5 per doz. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Cinerarias, right for 3, 4, 5 and 6-in., 80c, $1.75, $3 and $4.75 per doz. Chas. Sherwood, Waterloo, Ia.

COLEUS.

Coleus, Verschaffeltii, Golden Bedder, etc., $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Coleus, 10 varieties, 2¼-in., $2 per 100. Jos. H. Cunningham, Delaware, O.

Coleus, R. C., 70c per 100; $6 per 1,000. S. D. Brant, Clay Center, Kans.

Coleus, 2-in., 2c. Byer Bros., Chambersburg, Pa.

CUPHEAS.

Cupheas, 2 kinds, R. C., 75c. Byer Bros., Chambersburg, Pa.

Cupheas, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

CYCLAMENS.

Cyclamens, Craig's strain, twice transp., $4.50 per 100; $40 per 1,000. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Cyclamen, finest vars., $4 per 100; transplanted stock, $3 per 100. E. Fryer, Johnstown, Pa.

Cyclamen grandi., 4-in., 20c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

DAHLIAS.

Dahlias, field-grown, Wm. Agnew, Countess of Lonsdale, Nymphæa, Mrs. Wellesley, Admiral Dewey, A. S. Livoni and Fern Leaf Beauty, $5 per 100. Duke Alexis and Kriemhilde, $7 per 100. Storrs & Harrison Co., Painesville, O.

Dahlias, 75 vars. in cactus, decorative, show and pompon, true to name, $5 per 100 up; 1,000, 50 each of 20 vars., our selection, $40. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Dahlias, novelties and standard varieties, true to name. A choice list of the best introductions. Send for catalogue of dahlias, hollyhocks, hardy plants. W. W. Wilmore, Box 382 Denver, Col.

Dahlias, leading vars. J. Cheal & Sons, Crawley, England.

Dahlias, all leading vars., $45 to $50 per 1,000. Dingee & Conard Co., West Grove, Pa.

Dahlias, A. D. Livoni, Aegir, Admiral Dewey, Bon Ton, Black Diamond, Blackbird, Cornucopia, Capstan, C. Duer, C. W. Bruton, Firerain, Gracie, Gen. Buller, Gottelinde, Grand Duke Alexis, Henry Patrick, Horn of Plenty, Kriemhilde, Landrath, Dr. Schiff, Lyndhurst, Queen Victoria, Ruckert, Ringdove, Sylvia, Uncle Tom, $1 per doz.; $8 per 100. Alba Superba, Arabella, Chameleon, Crimson Century, Duchess of Cambridge, Emily, Frank Smith, Frute, Floradora, Florence M. Stredwick, Fanny Purchase, J. H. Jackson, John Thorpe, Mme. A. Moreau, Miss May Loomis, Queen of Yellows, Red Hussar, Standard Bearer, Twentieth Century, $1.25 per doz.; $10 per 100. Amos Perry, Else, Flora, H. W. Sillem, Harbor Light, Lenau, Reliable, Shooting Star, Walthari, $2.50 per doz.; $15 per 100. Cuban Giant, Maroon Century, Scarlet Century, $2.50 per doz.; $20 per 100. Frau Hermine Marx, $2.50 per doz.; $18 per 100. Mrs. Roosevelt, $2 per doz.; $15 per 100. Souv. de Gustave Doazon, $3.50 per doz.; $25 per 100. One each of 59 var., $6. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Dahlias, field clumps; cactus: Mrs. A. Beck, C. Woodbridge, Miss A. Nightingale, F. Bartels, $1 per doz. Kriemhilde, Countess of Lonsdale, $1.50 per doz. Decorative: Zulu, Oban, Iridescent, Mrs. Geo. Reed, $1 per doz.; C. W. Bruton, Sylvia, $1.50 per doz. Show: A. D. Livoni, $1.50 per doz.; Cameliaflora, $1 per doz. Single: J. Cowan, Jno. Downie, $1.50 per doz.; Sunningdale, $1 per doz. Mixed colors: All colors, good var., 75c per doz.; mixed yellow, 75c per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Dahlias, field roots, divided; out of 250 varieties under test from America and Europe, I offer for growing on the corn soils of the Mississippi valley and central west 25 varieties out of the "best" standard sorts at $4 per 100; 25 varieties at $8 per 100 out of the finer and newer "best" list; at $3 per 100 out of six colors in white, red, scarlet, pink, purple, yellow, double named valuable sorts. Write Ferndale Nurseries, Harlan, Iowa (near Omaha).

Dahlias, leading varieties. David Herbert & Sons, Atco, N. J.

DAISIES.

Marguerites. Queen Alexandra, $3 per 100; Coronation, $3. Storrs & Harrison Co., Painesville, O.

DEUTZIAS.

Deutzia gracilis, 7-in., 15c each; $1.50 per doz.; Lemoine, 7-in., 25c each; $2.50 per doz. Vaughan's Seed Store, Chicago and New York.

DRACENAS.

Dracæna indivisa, 4-in., $2 per doz.; $12 per 100; 5-in., $3 per doz.; $20 per 100; 6-in., $6 per doz.; $40 per 100; 7-in., $9 per doz.; 8-in., $12 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Dracæna, indivisa, 4-in., $2 per doz.; 5-in., $3 per doz. Strong plants. C. C. Pollworth Co., Milwaukee, Wis.

Dracæna indivisa, 2-in., $3 per 100. Geo. M. Emmans, Newton, N. J.

Dracæna indivisa, 1-yr., transplanted, $2 per 100, cash. E. Fryer, Johnstown, Pa.

Dracæna indivisa, 2¼-in., $2; 3-in., $5 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

EUONYMUS.

Euonymus radicans, 1, 1½-ft., $6; 2, 2½-ft., $8 per 100; bushy plants. Brae-Burn Nursery, West Newton, Mass.

FERNS.

Ferns, my specialty. Ferns for dishes, fine healthy stock from 2¼-in. pots, in 15 best varieties, $3 per 100; $25 per 1,000; 500 at 1,000 rate. Kentia Belmoreana, 2¼-in., $1.30 per doz.; $10 per 100. Assorted, 3-in., $6, 4-in., $12 per 100. Ad. Cuneatum, 2¼-in., $3.50 per 100; $30 per 1,000; 3-in., $6; 4-in., $12 per 100. A. Gracillimum, 2¼-in., $3.50 per 100. Cibotium Schiedei, 4-in., none better, $25 per 100. Fresh fern spores in all the best market varieties, 30c per trade package; $3 per doz. J. F. Anderson, Short Hills, N. J.

Ferns, Elegantissima, 2¼-in., $6 per 100; 3½-in., $15 per 100; 6-in., 50c each; 8-in., $1 and $1.50 each; 10-in., $2 each. Whitmani, 2¼-in., $6 per 100; 3½-in., $15 per 100; 6-in., 50c and 75c each; 8-in., $1.50 each; 10-in., $2 each. Scottii, 6-in., 50c each. Boston, 2¼-in., $4 per 100; 6-in., 50c each; 8-in., $1 each. Small ferns for pans, $4 per 100; $30 per 1,000. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston, 8-in., $1.25 to $1.50 each; 7-in., $1; 6-in., 50c; 5 to 5½-in., 35c and 40c. Whitmani, 8-in., $1.50; 6-in., 50c. Scottii, 7-in., $1 to $1.25; 6-in., 50c; 5½-in., 40c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns, Whitmani, small from bench, $3 per 100; 2½-in. pots, $5 per 100; 3-in., $5 per 100; 4-in., $25 per 100; 6-in., $50 per 100; 8-in., $1.50 per 100. Full pots and perfect plants. B. M. Wichers & Co., Gretna, La.

Ferns, Scottii, Elegantissima, Whitmani, 2¼-in. W. W. Coles, Kokomo, Ind.

If you do not find what you need in our Ready Reference Department, write us about it.

Ferns, Boston, 2½-in., 4c; 3-in., 8c.; 4-in., 15c; 5-in., 25c; 6-in., 40c; 7-in., 65c; 8-in., $1 to $1.50; 10-in., $1.50 to $2. J. W. Dunford, Clayton, Mo.

Ferns, Whitmani, 2½-in. plants, sturdy and strong, $3.50 per 100; $30 per 1,000. Memphis Floral Co., 145 S. Main St., Memphis, Tenn.

Ferns, Boston, 2½-in., $4 per 100; $30 per 1,000. Small for dishes, $2.50 per 100. Storrs & Harrison Co., Painesville, O.

Ferns, Whitmani, 2¼-in., $5 per 100; 3½-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Son, Whitman, Mass.

Ferns, N. Amerpohlii, 2½-in., $15 per 100. Janesville Floral Co., Janesville, Wis.

Ferns, Piersoni Elegantissima, 2-in., 3c. Byer Bros., Chambersburg, Pa.

Ferns, Boston, 5-in., 30c each. Geo. M. Emmans, Newton, N. J.

Fern runners, 10,000 Boston, all sizes. Mosbæk Greenhouse Co., Onarga, Ill.

FEVERFEW.

Feverfew, 2-in., 2c. Byer Bros., Chambersburg, Pa.

FICUS.

Ficus pandurata, in tubs, single stems, 6 ft., $7.50 each; branched, 5½ ft., $7.50 each. Robt. Craig Co., Market and 49th Sts., Phila.

Ficus elastica, 5 to 7-in., 30c to 75c each. G. Aschmann, 1012 W. Ontario St., Philadelphia.

FUCHSIAS.

Fuchsias, Black Prince and Minnesota, $2 per 100; Lieut. Muritz, White and Rose Phenomenal, $2.50. R. Vincent, Jr. & Sons Co., white Marsh, Md.

GERANIUMS.

GERANIUMS. Our stock is larger and finer than ever and includes the following SUPERB BEDDERS: S. A. Nutt, greatest crimson; Peter Henderson, grand new semi-double scarlet; Beaute Poitevine, best salmon; Mme. Buchner, the only double white; Jean Viaud, pure pink; strong top cuttings, well rooted and true to name, $1.75 per 100; $16 per 1,000. Cash. The W. T. Buckley Co., Springfield, Ill.

Geraniums out of 2½-in. pots, 6 to 8 ins. tall, sturdy plants ready to shift: A. Ricard, E. H. Trego, Hiawatha, Jean Viaud, $2.50 per 100; $22.50 per 1,000. Memphis Floral Co., 145 S. Main St., Memphis, Tenn.

Geraniums, Nutt, Doyle, Perkins, Ricard, dbl. Grent, 2-in., $2.50 per 100; R. C., $1.25 per 100. Trego, Castellane, Poitevine, Viaud, 2-in., $3 per 100; R. C., $1.50 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, Trego, Doyle, Nutt, Bertha de Pressiley, Mme. Barney, $2.50 per 100; our choice in pink, red and white, $2 per 100. Storrs & Harrison Co., Painesville, O.

Geraniums, 2-in., standard sorts, and new vars., $2 per 100 up to $1 each; 1,000, 20 good vars., our selection, $18.50. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, 10 vars., 2½-in., $3 per 100; $25 per 1,000; 3-in., $4 per 100; rose geraniums, $2 per 100. Jos. H. Cunningham, Delaware, O.

Geraniums, 6 varieties double, S. A. Nutt and others, 2½-in., $2.50 per 100; $22.50 per 1,000. The Krueger Bros. Co., Toledo, O.

Geraniums, 2-in., $15 per 1,000; 2½-in., $18 per 1,000. Schmaus Bros., Paducah, Ky.

Geraniums in standard varieties, 2¼-in., $3 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Geraniums, 2½, 3 and 4-in. Geo. A. Kuhl, Pekin, Ill.

Geraniums. A. M. Herr, Lancaster, Pa.

Geraniums. E. G. Hill Co., Richmond, Ind.

The American Florist invites attention to the class of business firms in its adv. columns.

GLADIOLI.

Gladiolus, Princeps, medium, $9 per 100. Mrs. Francis King, $4 per 100; $30 per 1,000. America, $7.50 per 100; $60 per 1,000. Augusta, $2 per 100; $17 per 1,000. Brenchleyensis, $1.45 per 100; $12 per 1,000. Ceres, $1.45 per 100; $12.50 per 1,000. Mme. Monneret, $1.75 per 100; $15 per 1,000. May, $1.75 per 100; $15 per 1,000. "1900," $2.50 per 100. Shakespeare, $4.25 per 100; $38 per 1,000. Florist mixture, made from named light and white vars., $1.75 per 100; $15 per 1,000. Vaughan's Seed Store, Chicago and New York.

Gladiolus bulbs, over 15,000 bushels harvested. Groff's hybrids and other strains and named varieties of exceptional merit. Write for 1907 illustrated catalogue. Arthur Cowee, Gladiolus Specialist, Meadowvale Farm, Berlin, N. Y.

Bulbs, Gladiolus primulinus, $8 per doz.; $60 per 100. Primulinus hybrids, $3 per doz.; $20 per 100. J. M. Thorburn & Co., 33 Barclay St., New York.

Gladiolus, Hyacinthus candicans, spotted callas, oxalis, cinnamon vine, German iris, lilies. E. S. Miller, Wading River, N. Y.

Gladiolus America, $6.50 per 100; $60 per 1,000. Write for prices on other stock. Cushman Gladiolus Co., Sylvania, O.

Gladiolus Lemoinei and Nanceianus. V. Lemoine & Son, Nancy, France.

Gladiolus, leading vars. E. E. Stewart, Rives Junction, Mich.

GLOXINIAS.

Gloxinias. L. Van Houtte, Pere, Ghent, Belgium.

GREENS.

Greens, dagger and fancy ferns, $1.75 per 1,000. Bronze and green galax, $1.25 per 1,000. Leucothoe sprays, $1 per 100; $7.50 per 1,000. Sphagnum moss, per bale, $1.25. Boxwood bunches, 35c; 50 lbs., $7.50. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit.

Greens, bronze galax, $8.50 per case of 10,000; green, $7.50. Dagger and fancy ferns, $1.50 per 1,000. Laurel festooning, boxwood, southern wild smilax, Sphagnum moss and green moss, leucothoe sprays, etc. H. M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, cut palmetto and cycas leaves, galax, leucothoe, ferns, mosses, etc. Kervan Co., 113 W. 28th St., New York.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 53 W. 28th St., New York.

Greens, Wild Smilax. R. A. Lee & Co., P. O., Georgetown, Ga., Telegraph Office, Eufaula, Ala.

Greens, smilax, ferns, palm leaves, etc. John P. Scherer, Union Hill, N. J.

Greens, southern wild smilax. E. A. Beaven, Evergreen, Ala.

HARDY PERENNIALS.

Perennials, replanted into flats. Any at $10 per 1,000: Myosotis, Stokesia cyanea, bellis, eulalias, Erianthus ravennæ, Aster Bessarabicus, Achillea, Lobelia cardinalis pentstemons, Rudbeckia triloba, tritoma asst.; campanulas, named and asst.; digitalis, Yucca filamentosa, delphinium, asst.; sweet william, single mixed; Lychnis Chalcedonica, also Haageana hybrids, Dianthus plumarius, mixed; Shasta daisy Alaska, Ampelopsis Veitchii, Veronica longifolia sub.; Gaillardia grandi; also Kelway's hybrids. In pots, 1-yr.-old; Dianthus, 5-in., $10 per 100. Coreopsis lanceolata, 5-in., $8 per 100. Campanula, asst., 6-in., $12 per 100. Grave myrtle, 2¼-in., $25 per 1,000; 3-in., $40 per 1,000. Perennial clumps from field, 12c per clump, except where specified: Iris Germanica, all colors, named, 10c; Kaempferi, blue, tall, 10c; Bachelor's buttons, yel., 2 ft., 10c; campanula, asst.; Chrysanthemum uliginosum, C. Shasta daisy; Coreopsis lanceolata; day lily, 5 ft.; gaillardia; golden glow, 8c. Lynchnis chalcedonica; delphinium; phlox, all colors, named; pentstemons, asst.; Polemonium cæruleum; Physostegia speciosa, grand., mixed; Yucca filamentosa, 25c. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Hardy perennials, anemone, aster, campanula, delphinium, funkia, hemerocallis, hepatica, incarvillea, iris, peony, phlox, primula, pyrethrum, tritoma. Royal Tottenham Nurseries, Ltd., Dedemsvaart, Holland.

Hardy pinks, R. C., 5 kinds, 75c. Byer Bros., Chambersburg, Pa.

Perennials. Ours are large field-grown stock. Mosbæk Greenhouse Co., Onarga, Ill.

HELIOTROPES.

Heliotropes, 4 of the best, R. C., $1 per 100; 2¼-in., $2.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Heliotrope, R. C., $1 per 100; $8 per 1,000. S. D. Brant, Clay Center, Kans.

Heliotropes, 3 kinds, R. C., $1 per 100; 2-in., 2c. Byer Bros., Chambersburg, Pa.

Heliotrope, 4 of the best var. Mosbæk Greenhouse Co., Onarga, Ill.

HOLLYHOCKS.

Hollyhocks, 3-in., double, white, pink, red, yellow, $3 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

HYDRANGEAS.

Hydrangeas, Otaksa and Thos. Hogg, 6-in., 3 to 4 flowering stems, $5 per doz.; $40 per 100; 7-in.. 5 to 6 flowering stems, $8 per doz.; $75 per 100. Vaughan's Seed Store, Chicago and New York.

Hydrangea paniculata, 2 to 3 ft., 15c to 35c each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Hydrangeas, American everblooming, H. arborescens sterilis, 1 and 2-yr. E. Y. Teas Co., Centerville, Ind.

Hydrangea Otaksa, 6 to 7-in., 35c to $1 each. G. Aschmann, 1012 W. Ontaria St., Phila.

Hydrangeas, strong plants, 10c. Levant Cole, Battle Creek, Mich.

Hydrangeas. W. & T. Smith Co., Geneva, N. Y.

Hydrangea otaksa monstrosa, 4-in., $6 to $8 per 100; 5-in., $12 to $15 per 100; 10-in., very large, $1 each. All above are pot grown. From 6 to 7-in. pots, potted from open last Sept., $3 per doz.; $20 per 100. E. Fryer, Johnstown, Pa.

IMPATIENS.

Impatiens, 3 kinds, R. C., $1. Byer Bros., Chambersburg, Pa.

IVIES.

English Ivy, hardy, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

LANTANAS.

Lantanas, 5 vars., $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

LILACS.

Lilacs, Persian, also German white and light and dark purple, 3 to 6 ft., 25c to $2 each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Lilacs, Chas. X and Marie LeGray, $1 each; $10 per doz. Vaughan's Seed Store, Chicago and New York.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley, high class. Wm. Hagemann & Co., 55 Dey St., New York.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

From Storage.

Lily of the valley, surplus early forcing pips, $10.50 per 1,000; $25 per case of 2,500; $1.50 per 100; finest cold storage pips, $14 per 1,000; $1.75 per 100. H. N. Bruns, 1407-11 W. Madison St., Chicago.

Lily of the Valley. Exhibition reassorted, $13 per 1,000; Excellenta, $12 per 1,000; Superior, for late forcing and cold storage, $10.50 per 1,000. John Scheepers & Co., 4 and 6 Old Slip, New York.

Lily of the valley pips, cold storage. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley, for forcing. Vaughan's Seed Store, Chicago and New York.

Lily of the valley, for forcing, $11 per 1,000. W. C. Beckert, Pittsburg, N. S., Pa.

LOBELIAS.

Lobelias, Crystal Palace Gem, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

MALUS.

Malus, Floribunda, Atrosanguinea and Scheideckeri, pot-grown, 2½ ft., $1 each; $10 per doz. Vaughan's Seed Store, Chicago and N. Y.

MOSS.

Sphagnum moss, 5 barrel bale, $1.25; 2 bales, $2.25; 5 bales, $5; 10 bales, $9.50. H. R. Akers, Chatsworth, N. J.

Sphagnum moss in burlap or wired bales. Write for prices. Vaughan's Seed Store, Chicago and New York.

MUSHROOM SPAWN.

Mushroom spawn, English, per 100 lbs., $6 f. o. b. New York; $6.50 f. o. b. Chicago. Garden City Pure Culture, 100 bricks, $12 f. o. b. Chicago, $12.50 f. o. b. New York. Vaughan's Seed Store, Chicago and New York.

Mushroom spawn. English and pure culture. Weeber & Don, 114 Chambers St., New York.

NURSERY STOCK.

Shrubs, Berberis Thunbergii, 1 to 3 ft., 10c to 50c each. Symphoricarpus racemosus alba, 2 to 5 ft., 10c to 50c each; S. vulgaris rubra, 2 to 4ft., 10c to 35c each. Viburnum opulus, 2 to 5 ft., 10c to 50c each. American arbor-vitæ, 2 to 3 ft., 10c to 25c each. Matrimony vine, 10c to 50c each. Syringa Lemoinei, 3 to 4 ft., 25c to 35c each. Cut-leaf elder, 3 to 6 ft., 10c to 25c each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Nursery stock, arbor-vitæ (Thuya occidentalis) 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, trees and shrubs, price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Nursery stock, large trees, oaks, maples, pines and hemlock. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock fruit and shade trees, shrubs, evergreens. W. & T. Smith Co., Geneva, N. Y.

If you do not find what you need in our Ready Reference Department, write us about it.

Trees, box elder, from 1 to 2½ ins., 6 to 10 ft., 35c to $1 each. Catalpa, 1½ to 2 ins., 8 to 10 ft., 75c each; $75 per 100. Elm, American, 2 to 4 ins., 6 to 12 ft., $1 to $3 each. Geo. Wittbold Co., Buckingham Pl., Chicago.

Am. arbor-vitæ hedge plants. Evergreen Nursery Co., Sturgeon Bay, Wis.

Nursery stock, flowering shrubs. E. Y. Teas, Centerville, Ind.

ORANGES.

Oranges, Kinkan. P. J. Berckmans Co., Augusta, Ga.

ORCHIDS.

Orchids, C. Trianæ, C. Mossiæ, C. labiata, C. Schroederæ, C. speciosissima, C. citrina, C. intermedia, C. Gaskelliana, C. Dowiana, C. Warneri, Lælia anceps, L. albida, L. majalis, L. autumnalis, Oncidium crispum, O. varicosum, O. Cavendishianum, O. luridum, Epidendrum vitellinum majus, E. Cooperianum, Odonto, citrosmum, Miltonia vexillaria. Carillo & Baldwin, Secaucus, N. J.

Orchids in superb condition. Cattleya Mossiæ, C. Schroederæ, Lælia anceps, Epidendrum vitellinum, etc. Lager & Hurrell, Summit, N. J.

Orchids, C. Trianæ, C. Percivaliana, C. speciosissima, C. Gaskelliana, Oncidium Kramerianum. Ordonez Bros., Madison, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England. New York office, room 1, 235 Broadway.

Orchids in sheath, bud and flower. Julius Roehrs Co., Rutherford, N. J.

PALMS.

Palms, Kentias, all sizes; Latania Borbonica, 7-in., 5 to 6 leaves, 18 to 20 ins., 75c each; 8-in., 6 to 7 leaves, 20 to 22 ins., $1.25 each. Storrs & Harrison Co., Painesville, O.

Palms, Kentia Belmoreana and Forsteriana, 4-in., 18 to 20 ins., 35c; 5¼., 5½ and 6-in., 50c to 75c each. Latania Borb., 5-in., 30c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Cycas revoluta, 4-in., 25c each; 5-in., 35c; 6-in., 50c; 7-in., 75c to $1; 8-in., $1.25 to $1.50. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Latania Borbonica, from 2-in. 3 leaves, $3 per 100. The Perennial Gardens Co., Toledo, O.

Palms. P. J. Berckmans Co., Augusta, Ga.

Palms. L. Van Houtte, Pere, Ghent, Belgium.

PANICUM.

Panicum var., $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

PANSIES.

Pansies from cold frame, strong, in bud, $1.50 per 100; $12 per 1,000. Transplanted, nice stock, $5 per 1,000. F. A. Baller, Bloomington, Ill.

Pansies, fall transplanted, in bud, per 100, $1.25; per 1,000, $10. A. R. Knowles, Bloomington, Ill.

Pansies, finest strain from $2 to $6 per 1,000, the latter ready to bloom. E. Fryer, Johnstown, Pa.

Pansies, giant flowering, 50c per 100; $2.50 per 1,000. Jos. H. Cunningham, Delaware, O.

PELARGONIUMS.

Pelargoniums, 3-in., $1.50 per doz.; $6 per 100. R. Vincent, Jr., & Sons, White Marsh, Md.

Pelargoniums, $2.50 per 100. S. D. Brant, Clay Center, Kans.

PEONIES.

Peonies, 100 varieties, all classes for florists, 6 or 8 leading kinds, white to crimson, early to late, all named, $1.50 per doz.; $10 per 100. F. A. Baller, Bloomington, Ill.

Peonies, Festiva Maxima, $20 per 100; Queen Victoria. $9 per 100; Fragrans, $6 per 100. Gilbert H. Wild, Sarcoxie, Mo.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Peonies, in variety, 10c to 50c each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Wholesale peony list for fall 1908 is now ready. J. F. Rosenfield, West Point, Neb.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies. leading vars. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunia Berkshire, R. C., $2.50 per 100; $20 per 1,000. S. S. Skidelsky, 1731 No. 18th St., Philadelphia.

Petunias, 3-in., 4 vars., $4 per 100; 2-2½-in., $2.50. Geo. A. Kuhl, Pekin, Ill.

Petunias, double fringed, 2½-in., $2.50 per 100; R. C., $1 per 100. The Krueger Bros. Co., Toledo, O.

Petunias. dbl., R. C., $1.25 per 100; $10 per 1,000. S. D. Brant, Clay Center, Kans.

Petunias, dbl., 10 kinds. R. C., $1. Byer Bros., Chambersburg, Pa.

Petunias, dbl., $3 per 100. Jos. H. Cunningham, Delaware, O.

POINSETTIAS.

Poinsettias, good, strong stock, $4 per 100. The Krueger Bros. Co., Toledo, O.

PRIVET.

Privet, California, and Amoor River 2½ to 3 ft., $25 per 1,000. Peter's Nursery Co., Knoxville, Tenn.

Privet, California. E. Y. Teas Co., Centerville, Ind.

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PRUNUS.

Prunus triloba, standards, 2½-ft. stems, $1 each; $10 per doz.; bushy grown, 18 ins., 50c each; $5 per doz.; Simplex and Georgica, 18 ins., 50c each; $5 per doz. Vaughan's Seed Store, Chicago and New York.

RHODODENDRONS.

Rhododendrons, 8-12 buds, 75c each; $9 per doz.; 12-18 buds, $1.25 each; $12 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons, 18-in., $9 per doz.; 24-in., $12 per doz. Storrs & Harrison Co., Painesville, O.

Rhododendrons. W. & T. Smith, Geneva, N. Y.

Rhododendrons, Jacs Smits, Naarden, Holland.

ROSES.

Roses, 2-yr., budded, per doz., $2; $15 per 100; Am. Beauty, La France, Frau K. Druschki, Kaiserin, Soliel d'Or, Hermosa, Paul Neyron, Gruss an Teplitz, 2-yr., budded, $1.50 per doz.; $11 per 100. Anna de Diesbach, Fisher Holmes, Magna Charta, Ball of Snow, Gen. Jacq., M. P. Wilder, Capt. Christy, Mme. Testout, Mrs. J. Laing, U. Brunner, etc. Crimson Rambler, 2-yr., home-grown, $15 per 100; 2-yr., imported, $12 per 100. Dorothy Perkins, 2-yr., home-grown, $12 per 100. Lady Gay, 2-yr., budded, $20 per 100. Philadelphia Rambler, 2-yr., home-grown, $12 per 100. Baby Rambler, 2-yr., extra strong budded, $20 per 100. White Baby Rambler, 2½-in., $10 per 100. Red Kaiserin, 2½-in., $1.50 per doz.; $10 per 100; 3-in., $2 per doz.; $12 per 100; 4-in., $3 per doz.; $20 per 100; 2-yr. dormant, $3 per doz.; $20 per 100. Vaughan's Seed Store, Chicago and N. Y.

Roses, American Beauty, R. C., $3.50 per 100; $30 per 1,000; 2½-in., $6.50 per 100; $60 per 1,000; 3½-in., $80 per 1,000. Maid, Bride, U. John, Richmond, Chatenay, Kaiserin, R. C., $18.50 per 1,000; 2½-in., $4.50 per 100; $40 per 1,000; 3½-in., $60 per 1,000. Mrs. Potter Palmer and Cardinal, 2½-in., $15 per 100; $125 per 1,000; 3½-in., $150 per 1,000. Perle, Sunrise, 2½-in., $5 per 100; $45 per 1,000; Perle, 3½-in., $65 per 1,000. Killarney, R. C., $35 per 1,000; 2½-in., $6 per 100; $55 per 1,000; 3½-in., $75 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, field-grown, Anna de Diesbach, Clio, Frau Karl Druschki, Gen. Jacq., John Hopper, Mme. Luizet, M. P. Wilder, Mrs. J. Laing, Paul Neyron, Prince Camille, U. Brunner, Crimson, white, yellow and Philadelphia Rambler, common sweet briar, Mme. G. Bruant, Wichuraiana. Ellwanger & Barry, Rochester, N. Y.

Roses. rooted cuttings, Bride, Bridesmaid, Ivory, Richmond, Chatenay, Uncle John, $1.50 per 100; $12.50 per 1,000. Sunrise and Kate Moulton, $3 per 100; $25 per 1,000. Perle, $2 per 100; $17.50 per 1,000 Am. Beauty, bench plants, $10 per 100; $75 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Roses, Prairie Queen, 3 to 5 ft., 15c to 35c each. Crimson Rambler, 2 ft., 15c each; Baby, 3½ in., $6 per 100. Sweet Briar, 2 to 3 ft., 10c to 25c each. One lot hybrid perpetual, 5-in., asst. vars., pot-grown, $15 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Roses, grafted for forcing, Chatenay, Killarney, Richmond, Liberty, La France, rose pots, $15 per 100; 3½-in., $18; Bridesmaid, Golden Gate, Kaiserin, rose pots, $10 per 100; 3½-in., $15 per 100. Own root roses, $9 and $7 per 100. J. L. Dillon, Bloomsburg, Pa.

Roses. grafted, Bride and Maids, $10 per 100; $100 per 1,000. Richmond and Killarney, grafted, $10 per 100; $100 per 1,000. Rhea Reid, grafted, $35 per 100; own root, $30 per 100. E. G. Hill Co., Richmond, Ind.

Roses, Marechal Niel, 2½-in. plants, 8 to 10 ins. tall, from cold frames, full of active working roots, $2.50 per 100; $22.50 per 1,000. Memphis Floral Co., 145 S. Main St., Memphis, Tenn.

Roses, grafted and own root, Kaiserin, Carnot, Killarney, Richmond, Liberty, Bride and Bridesmaid. W. H. Elliott, Brighton, Mass.

Rose My Maryland, 2½-in., $25 per 100; $200 per 1,000; $5 per doz. John Cook, 318 N. Charles St., Baltimore, Md.

Roses, American Beauty, Liberty and Kaiserin, bushes; bench plants, $7 per 100; $65 per 1,000. Wietor Bros., 51 Wabash Ave., Chicago.

Rose Kaiserin Goldifolia, 2½-in., $2.50 per doz.; $20 per 100; $175 per 1,000; 3-in., $35 per 100; 4-in., $50 per 100. The Leedle Floral Co., Springfield, O.

American Beauties, rooted cuttings, $3 per 100; $25 per 1,000; 2¼-in., $6 per 100; $50 per 1,000. J. F. Wilcox, Council Bluffs, Iowa.

Roses, Bride, Maid, Kaiserin, Killarney, Richmond, Wellesley, $12 per 100; $100 per 1,000. Jackson & Perkins Co., Newark, N. Y.

Roses, American Beauty, Richmond, bench plants, $6 per 100; $50 per 1,000. J. A. Budlong, 37-39 Randolph St., Chicago.

Rose Tausendschon, 3-in., 10 for $1.50; $12 per 100; $100 per 1,000. Dingee & Conard Co., West Grove, Pa.

Roses, Cr. and Baby Rambler, La France, Mme. Soupert. Geo. A. Kuhl, Pekin, Ill.

Rose Newport Fairy. Julius Roehrs Co., Rutherford, N. J.

Roses. E. G. Hill Co., Richmond, Ind.

Roses. W. & T. Smith Co., Geneva, N. Y.

Roses. California Rose Co., Pomona, Cal.

Roses. Geo. A. Kuhl, Pekin, Ill.

SALVIAS.

Salvia Zurich, ever-blooming type absolutely true, 2-in., $1 for 25; $3, 100; $25, 1,000. Rooted cuttings, $1.75, 100; $15, 1,000. J. L. Schiller, 929 Prouty Ave., Toledo, O.

Salvia St. Louis, extra strong 2½-in., $2 per 100; R. C., 75c per 100; $7 per 1,000. W. H. Humfeld Floral Co., Kansas City, Mo.

Salvia Zurich, 2-in., $3 per 100; $25 per 1,000; R. C., $1.75 per 100; $15 per 1,000; now ready. The Krueger Bros. Co., Toledo, O.

Salvia, R. C., 90c per 100; 2¼-in., $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Salvias, R. C., $1 per 100; $8 per 1,000. S. D. Brant, Clay Center, Kans.

Salvia Zurich, R. C., $1.75 per 100; 2-in., $3. Perennial Gardens Co., Toledo, O.

Salvia Bonfire, Splendens, 90c. Byer Bros., Chambersburg, Pa.

SMILAX.

Smilax, fall sown seedlings, 50c per 100; $4 per 1,000. F. A. Baller, Bloomington, Ill.

SEEDS.

Seeds, Lettuce, Grand Rapids, ¼ lb., 30c; lb., $1; May King, ¼ lb., 40c; lb., $1.25. Cucumber, Evergreen White Spine, ¼ lb., 25c; lb., 75c; Davis Perfect, ¼ lb., 35c; lb., $1.25; Radish, Vaughan's Cardinal Forcing, ¼ lb., 40c; lb., $1.50; Improved Scarlet Globe, ¼ lb., 25c; lb., 70c; 20 Day Forcing, ¼ lb., 20c; lb., 60c. Scarlet Globe White Tip, ¼ lb., 20c; lb., 60c. Tomato, New Globe, ¼ lb., 75c; lb., $3; Comet, pkt., 25c; Sunrise, pkt., 25c. Cauliflower, Earliest of All, pkt., 25c; oz., $2.50. Vaughan's Seed Store, Chicago and New York.

Seeds, Primula obconica, the type, ⅛ oz., 50c; tr. pkt., 15c; grandiflora, mixed, 1-16 oz., $1; tr. pkt., 25c; fimbriata, 1-32 oz., $1; tr. pkt., 50c; Bright rose, 1-32 oz., $1; tr. pkt., 25c; Kermesina, 1-32 oz., $2; tr. pkt., 50c; white, 1-32 oz., $1; tr. pkt., 25c; gigantea rosea, 1-32 oz., $3; tr. pkt., 50c; gigantea Kermesina, tr. pkt., 35c. Vaughan's Seed Store, Chicago and New York.

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Poehlmann Bros., 35-37 Randolph St., Chicago.

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RICHMOND, IND.

Omaha.

The trade here reports the best February ever had and many report an increase of from 10 to 20 per cent over last year. Valentine's Day was the best we ever had and it seems it is getting better every year. Violets took the lead and sold for $2 per 100 (single), which is certainly a big price. Roses and carnations did not go up in price and sold, roses $1 to $2; carnations, 75 cents to $1. Bulbous stock sold well all winter and it seems the mild winter had lots to do with its perfection. Roses are at their best now. American Beauty is scarce and mostly short stock is seen in the stores. Carnations are getting scarcer and will be until warm weather sets in. Pot plants in bloom are selling better now than during January, but their price is 20 to 30 per cent lower than last year. Funerals take the best of the flowers, although we had considerable parties during February. The outlook for Easter is good, but the lilies need a lot of sunny days to bring them on in time, as there are more Japanese than Bermudas grown in this vicinity.

NOTES.

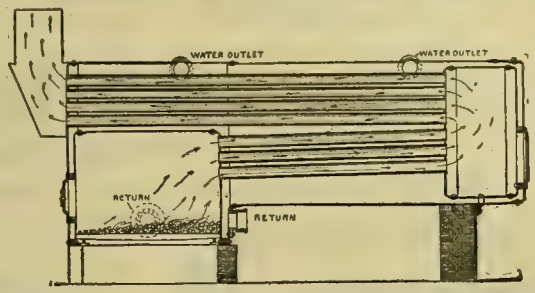
There will be very little greenhouse building done this season. Most people are still uncertain of the outcome of the money crisis and presidential election.

The Florists' Club will have a bowling night this month and a good time is promised.

Hess & Swoboda contemplate erecting a storage building this season. GRIPPE.

THE SUPERIOR
Return Flue Fire Box Boiler.

Ask the man that knows. The names are yours for the asking of them.



12 of these were bought and used by one grower. 6 by another grower.

This boiler has given better satisfaction than any other boiler on the market
MADE IN EIGHT SIZES FOR HOT WATER.
Send for new catalogue and list of growers that are using this boiler.

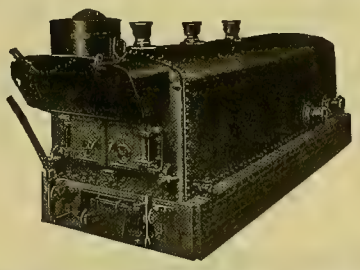
Superior Machine and Boiler Works, 125 W. Superior St., CHICAGO.

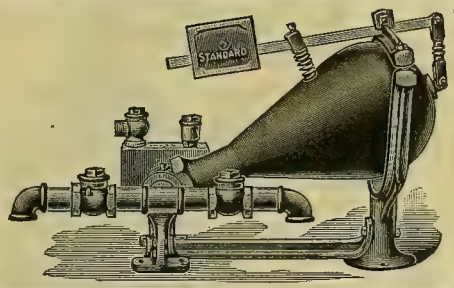
THE KROESCHELL BOILER
is the only perfect
HOT WATER BOILER.

We manufacture every type of boiler in use, but our greenhouse boiler, because of its special construction, possesses many advantages over any other type.

Prices and catalogue on application.

KROESCHELL BROS. CO.
45 Erie Street, CHICAGO.



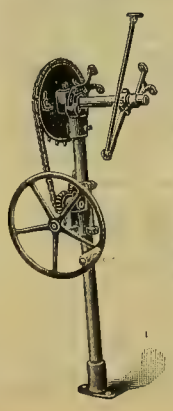


The Standard Steam Trap
Has established a record far above that that of any other trap for Florists; being very simple, durable and easily taken care of.

Catalogues of the Trap, Duplex Gutter, and Standard Ventilating Machinery, mailed free upon application.

E. HIPPARD, Youngstown, O.

U-BAR GREENHOUSES
For Florists' Show Rooms, Parks and Private Estates.
SEND FOR CATALOG.
PIERSON U-BAR CO.
Designers and Builders U-Bar Greenhouses.
Metropolitan Building. 4th Ave. and 23rd St., NEW YORK.



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Our line is an up-to-date one in every respect — every part made to do its work in the best possible manner, and the whole a happy combination, giving a service better than the best on the market, and all at fair prices and reasonable profits.

Give us a chance.

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RICHMOND, IND.

SAVE
FUEL, WATER, REPAIRS
HOW?
By Installing a
MOREHEAD TRAP

Write us for a 30 days' trial. We will place a trap in your heating system and will abide by your decision whether it pays or not. We know once you install a MOREHEAD you will never be without one — Investigate it.

MOREHEAD MFG. CO.
1047 Grand River Avenue
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THE LARGEST MANUFACTURERS OF
STANDARD FLOWER POTS
PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.

STANDARD GREENHOUSE
Red Flower Pots.

size	Per 1000	size	Per 1000
1¾-in flower pots..	$ 2.60	3½-in flower pots..	$ 6.50
2 -in flower pots..	3.00	4 -in flower pots..	7.90
2½-in flower pots..	3.90	4½-in flower pots..	10.00
3 -in flower pots..	4.50	5 -in flower pots..	12 00
		6 -in flower pots..	20.00

A. J. MARQUIS, Prop. Middleburg, Ohio.

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EDWARDS FOLDING BOX CO
MANUFACTURERS
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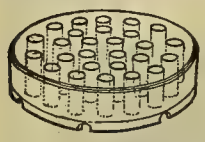

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Made of glass in 3 sizes.
Send for circular and price list.

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10,000, $1.75; 50,000, $7.50. Manufactured by
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Sample free. For sale by dealers.

L. BAUMANN & CO.,
Importers and Manufacturers of
Florists' Supplies
76-78 Wabash Ave., CHICAGO.
Write for our New Catalogue F. Our prices may interest you.

Madison, N. J.

At Chas. H. Totty's range there is great activity in chrysanthemum plants; thousands are being sent out, while the work of propagation goes steadily forward. The many new and standard varieties that are handled so successfully by Mr. Totty, always insure a heavy demand for his stock. This season, his cut of winter flowering sweet peas, has been very heavy.

Robt. M. Schultz is making a record with Richmond rose. Though his cut throughout the winter has been heavy, he now has two houses that show splendid possibilities for Easter.

Ordonez Bros., will this year handle a record breaking importation of orchids, their collector being now meeting with gratifying success in his work in South America.

Though the growers of this city are, in common with many others, dissatisfied with prices, they are keeping busy and hopeful.

At the Villa Lorraine Roseries (T. W. Stemmler, proprietor), a fine cut of Bridesmaid roses is being made.

Righter & Barton, are showing good stocks of American Beauty and tea roses.

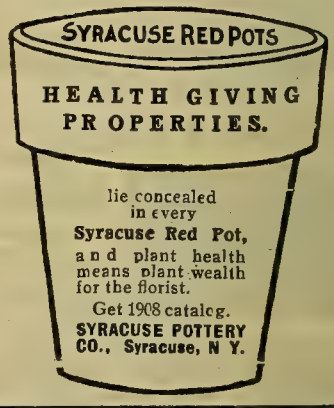
At the range of A. H. & W. S. Schultz, there are good stocks of roses in sight.

THE KELLER POTTERY COMPANY,
Manufacturers of FLORISTS' RED STANDARD POTS.
Azalea Pots, Bulb and Fern Pans, Etc.
Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

The Ionia Pot is the Best Pot.

That's the reason why it was necessary to double our capacity in 1907 to take care of the trade of 1908. Our factory equipment is the best. Our output is the largest.
Hand your next season's order to Uncle Sam today. Our invoice will be in your hands on his return trip.

IONIA POTTERY COMPANY, Ionia, Mich.



Standard Flower Pots!

Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2-in., in crate,	$4.88	120 7-in., in crate.	$4.20
1500 2¼ "	5.25	60-8 "	3.00
1500 2½ "	6.00	HAND MADE.	
1000 3 "	5.00	48 9-in., in crate,	$3.60
800 3½ "	5.80	48 10 "	4.80
500 4 "	4.50	24 11 "	3.60
320 5 "	4.51	24 12 "	4.80
144 6 "	3.16	12 14 "	4.80
		6 16 "	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address

HILFINGER BROS. POTTERY, Fort Edward, N.Y.
or AUGUST ROLKER & SONS, New York Agents
31 Barclay Street, New York City.

GEO. KELLER & SON,
MANUFACTURERS OF
FLOWER POTS.
Before buying write for prices
361-363 Herndon Street, near Wrightwood Ave.,
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Those Red Pots
"STANDARDS"
FULL SIZE AND WIDE BOTTOMS,
BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'F'Y.
HARRY BALSLEY, Rep. DETRIOT, MICH. 490 Howard St

Kramer's Pot Hangers

For Sale by Wholesale Seedsmen, Florists and Supply Dealers.
Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.
I. N. Kramer & Son, CEDAR RAPIDS, IOWA.

Twin City Pottery Mfg. Co.
Minneapolis, Minn.
Plants grow best in our Porous Pots.
STANDARD FLOWER POTS, Azalea Pans, Hanging Baskets, etc.
Send your orders early.

Red Standard Flower Pots
Price list and samples on application.
PADUCAH POTTERY CO., Inc.
PADUCAH, KENTUCKY.

Standard Flower Pots
Porosity and Strength Unsurpassed.
Write for Prices.
A. F. KOHR,
1521 Leavitt Street, CHICAGO

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Tobacco Paper IS THE STRONGEST, BEST PACKED, EASIEST APPLIED.

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144 sheets..... 3.50
7188 sheets..... 6.50
228 Sheets..... 35.10

"NICO-FUME" LIQUID

OVER 40% NICOTINE.

Furnishes the Most Nicotine for the Money!

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

By far the CHEAPEST.

JUST NOTE PRICES:

Pint.....$ 1.50
½ Gallon..... 5.50
Gallon..... 10.50
5 Gallons..... 47.25

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florists' Supplies.

SEND FOR PRICES.

404-412 East 34th St., NEW YORK.

J. SCHROEDER,

— MAKER OF —

Artificial Flowers,

344 Ontario St., CLEVELAND, O.

REED & KELLER,

122 W. 25th St., NEW YORK.

FLORISTS' SUPPLIES

We manufacture all our Metal Designs, Baskets, Wire Work & Novelties and are dealers in Glassware, Pottery, Decorative Greens and all Florists' Requisites

H. BAYERSDORFER & CO.,

Florists' Supplies.

1129 Arch Street, PHILADELPHIA, PA.

Send for our new catalogue.

Minneapolis.

TRADE VARIABLE.

Business during the past week was rather dull in most houses; here and there a little spurt. The beginning of Lent causes a falling off of receptions, etc., and so cuts off a lot of trade from the retailer. Added to this a number of people have left town for the south, not to return until Easter. Bulb stock and violets still flood the market; carnations are not as plentiful as the two weeks before; roses are first class and plentiful. The greenhouses are getting in shape for Easter, and the fine weather is pushing stock along at a rapid rate. The predictions are for a good spring trade, with plenty of stock.

NOTES.

Wm. Gray, since the first of the year with L. L. May Co., St. Paul, formerly of Winnipeg, is now associated with the Minneapolis Floral Co. Geo. E. Valker, for the past two years packer for this firm, is going into business for himself with Ernest Ekman of this city, at Minot, N. D. Their store opens March 23.

R. A. Latham has taken a vacation, going to Indiana for a week, and will take in the show at Chicago on his return trip.

Lakewood Cemetery Association is putting in a gold fish pond in one of its new greenhouses. M.

CARL NETSCHERT

140 Wabash Ave., CHICAGO.

Metallic and artifical wreaths for grave decoration. Sago leaves, Artifical flowers, Leaves, Plants, Vines of all descriptions.

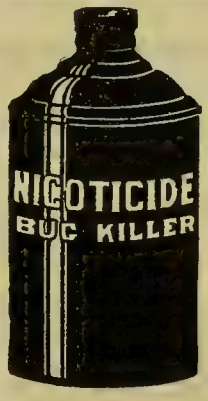
Write for Catalog N 19.

Hart's Handy Handle.

"At Easter-time, with a little chiffon decoration and the Handle, we were able to increase the value of plants from 50 per cent to 100 per cent." H. E. WILSON.

Write for descriptive circular and prices.

GEO. B. HART, 24 Stone Street, Rochester, N. Y.



THE BEST Bug Killer and Bloom Saver.

For PROOF Write to

P. R. PALETHORPE COMPANY,

OWENSBORO, KY.

Carman's Antipest

INSECTICIDE AND FUNGICIDE

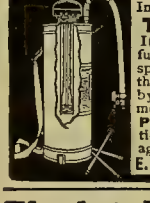
For the Garden, Orchard and Greenhouse

Non-poisonous and harmless to vegetation.

Kills Green Fly, Aphides, Bark Lice, Thrips, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

This is the Grower's Friend, handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. $1.50 per gallon. Also in quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO., FLUSHING, N. Y.



Increase Crops in Orchard and Field with THE AUTO-SPRAY It is guaranteed to be the most powerful, easily operated, economical hand sprayer made. With it a boy outworks three men with ordinary device. Used by U. S. Government and State Experiment Stations. Fitted with Auto-Pop Nozzle it is equal to large operations as well as small. Write if you want agency. Spraying Calendar Free. E. C. Brown Co., 74 Jay St. Rochester, N. Y.

Florists' Refrigerators

Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCray Refrigerator Co. 760 Mill Street, KENDALLVILLE, IND.

DIXON, ILL.—G. Selig and wife entertained the members of the Rock River Horticultural Society at their home February 27, and a very instructive and pleasant evening was spent.

DREER'S

Florist Specialties.

New Brand New Style.

Hose "RIVERTON"

Furnished in lengths up to 500 ft. without seam or joint.

The HOSE for the FLORIST

¾-inch, per ft., 15 c
Reel of 500 ft., " 14½c.
2 Reels, 1000 ft., " 14 c.
1½-inch, " 13 c.
Reels, 500 ft., " 12½c.

Couplings furnished.

HENRY A. DREER, 714 Chestnut St., PHILADELPHIA, PA.

Cattle Manure In Bags Shredded or Pulverized

Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.

The Pulverized Manure Co., 32 Union Stock Yards, Chicago

GREENHOUSE GLASS

PRICES WAY DOWN! DON'T HESITATE! WRITE TO-DAY!

You have been waiting for just such a time as the present and unless all signs fail, you will make no mistake in buying for present and future needs. Tell us the sizes you use, and we will quote prices that mean business.

HOOKER'S GREENHOUSE WHITE

WHITE AS SNOW. READY FOR USE. TOUGH AS LEATHER.

Years of experience and study have produced this wonderful wearing white and you know it requires just as much time to put on a cheap paint as it does the best.

Half Barrels, (25 Gals.) per gal. $1.40. 5 Gallon Buckets, per gal. $1.50.

H. M. HOOKER COMPANY,

Long Distance Phone Monroe 4994.

120 to 128 W. Washington St., CHICAGO.

Toronto.

TRADE STEADY.

Trade the past week has been more steady, and the few days when the weather was favorable helped the transient trade considerably. Roses are about equal to the demand with the quality excellent. The new price list takes effect March 9, when $12 will be the price for No. 1 stock and $6 for No. 2, excepting Richmond which will be $8; American Beauty, select, $40 with the other grades at $10-$30. Carnations are listed at $5 per 100 for select, but few are going at this price except special cases. Carnations were never more plentiful than at present, the increased amount of glass which has been devoted to their production, the heavy crop which is on and the many lines of other flowers has decreased the value of them to such an extent that in quantities they can be bought for very low prices. Lilies are coming in very good shape both Harrissi and longiflorum there being very few diseased bulbs this year. Flowering plants are plentiful and good rhododendrons, azaleas, spireas, primulas and many other varieties give the stores a spring-like appearance and are meeting with fairly good sale.

NOTES.

The Steele-Briggs Seed Co. is sending in fine Primula obconica; this, as grown by this firm, is a decided novelty, many of the trusses of flowers being as large as hydrangeas, while the foliage is larger and a darker green than is usual with this plant. John Riggall, the foreman, has been working on them for years and now has an excellent strain.

J. S. Simmons had the Worts-Davies wedding, the decorations in the house being elaborate. A large canopy was used, from which was suspended a large bell made of white hyacinths; many white azaleas and roses were used. The church was banked with palms and three large arches were made of white carnations and smilax.

Chas. Tidy had the Falconbridge wedding, the event of the season. Marguerites were the favorite flower, and they were used by the thousand.

J. H. Dunlop has some fine lilac; his store has been showing many of the newer varieties of carnations.

Japanese air plants are all the go in this city, and are having a very good sale.

There is a scarcity of medium-sized palms, the demand being brisk lately.

Visitor: Wm. Dykes, of Ed. Jansen, New York. H. G. D.

GLASS A and B Quality

SINGLE AND DOUBLE STRENGTH

CATCHY PRICES. QUICK DELIVERY.
WELL PACKED. NEAT BOXES.
CAREFULLY LOADED. MINIMUM BREAKAGE.

BAUR WINDOW GLASS CO., Manufacturers, EATON, IND.

The Johnston Glass Company

HARTFORD CITY, INDIANA,

Manufacturers and Jobbers of

WINDOW GLASS

For Conservatories, Greenhouses and Gardeners.

Special Prices on Hotbed Sizes. Standard Quality. Large Capacity. Lowest Prices.

The James H. Rice Co.

IMPORTERS and JOBBERS

GREENHOUSE GLASS

A SPECIALTY.

Window Glass, Paint, Putty, etc.

Office and Warehouse: Corner of Michigan, St. Clair and Illinois Streets, CHICAGO.

SPRAGUE, SMITH CO.

Jobbers of WINDOW GLASS.

GREENHOUSE GLASS

A SPECIALTY.

167-169 Randolph Street, CHICAGO.

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXX. **CHICAGO AND NEW YORK, MARCH 21, 1908.** **No. 1033**

THE AMERICAN FLORIST

TWENTY-THIRD YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—FRANK H. TRAENDLY, New York, Pres.; W. N. RUDD, Morgan Park, Ill., Secy.; H. B. BEATTY, Pittsburg, Pa., Treas. Next meeting at Niagara Falls, N. Y., August, 1908.

THE NATIONAL FLOWER SHOW.

CHICAGO, November 6-15, 1908.

Wm. F. Kasting, Buffalo, N. Y., is chairman of the general committee in charge. Chairmen of sub-committees follow:

EXECUTIVE AND FINANCE—Wm. F. Kasting, Buffalo, N. Y.
AMERICAN EXHIBITS—Ph. Breitmeyer, Detroit.
FOREIGN EXHIBITS—E. G. Hill, Richmond, Ind.
PREMIUM LIST—W. N. Rudd, Morgan Park, Ill.
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SPECIAL FEATURES—Otto G. Koenig, 6471 Florisant Ave., St. Louis, Mo.
RECEPTION—Aug. Poehlmann, Morton Grove, Ill.
AUDITING—J. A. Valentine, Denver, Colo.
TREASURER—I. C. Bertermann, Indianapolis, Ind.

The above chairmen have power to select their various committees from the general committee of 50 or the members of the S. A. F. at large.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition at Chicago, March 25-27, 1908. ROBT. SIMPSON, Clifton, N. J., president; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., secretary.

AMERICAN PEONY SOCIETY.

Fourth annual meeting at Ithaca, N. Y. June 1908. C. W. WARD, Queens, N. Y., Pres.; A. H. FEWKES, Newton Highlands, Mass., Sec'y.

ROSE NUMBER
NEXT WEEK.
Send Special Advts. Early.

THE CARNATION.

Commercial Carnations.

A paper read by Wallace R. Pierson, Cromwell, Conn., before the Florists' and Gardeners' Club of Boston, February 25, 1908.

I have no intention, in writing this paper, of giving history. That branch may be useful, but it has been covered so many times that to go back to Lizzie McGowan and Mrs. Fisher is useless. We wish to consider just what working materials we have before us at the present time, and to learn how to make the most of what we have. The carnation after the advent of Mrs. Lawson and the carnation before that time are as different in all essential characteristics as the light of a grey day in winter is to the brilliancy of the houses in full sunlight with the glare from the February snow. Daybreak before Mrs. Lawson, as the sun breaking through the fog.

We have today a grand collection of varieties and there are so many new stars appearing and asking recognition that we are tempted to ask, "Where will it stop?" "Because of the success of some new varieties, and because I have a good seedling, am I not justified in putting it on the market?" is the question we are so frequently asked. Let the owner of the seedling think of the number of horses bred from fast stock which are never entered. They are tried out, and if they have not the ability to deliver the goods they are never entered in the race. So with the carnation seedlings. Raise them, if fancy leads you to do so. Try your hand at it, but know before they are presented to the public what their powers really are.

I believe that the qualities which go to produce a good seedling are, to a large extent, due to the inherent good qualities of the parents, but with the seedling there is apt to be an increase in vigor. The best articles and papers on the subject of seedlings can only be from those men who handle and study them most, and, although a haphazard seedling may make good commercially, the best variety is more apt to be produced by one who understands the varieties he works on, and who makes his crosses with certain definite points in view. The dissemination of a seedling being decided upon, the future success of it, as a variety, depends as much on the manner of producing and sending out the stock as on any inherent good qualities it may have, granted, of course, that it would never have passed the seedling stage had it not some of the inherent qualities which go to make up a commercial carnation.

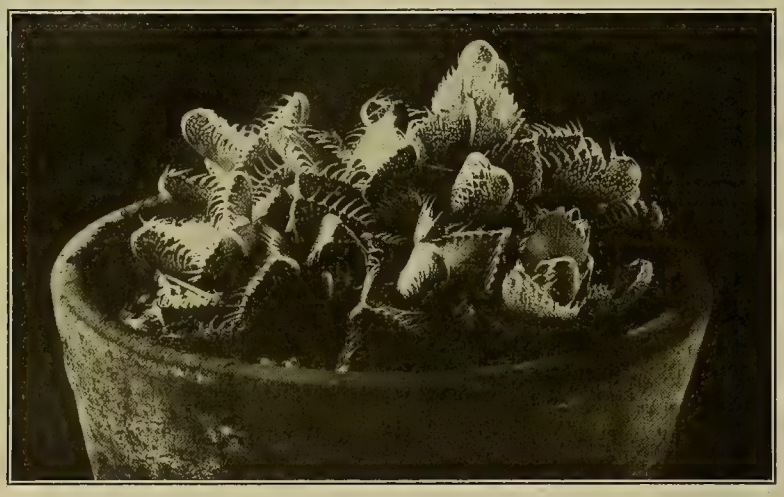
WHAT IS A COMMERCIAL CARNATION?

What then is a commercial carnation? To be brief, it is one which the grower can handle so that it is a paying proposition for him, and this necessitates it being one which the public will buy with profit to the retailer. This definition is broad, and yet it covers, I believe, the entire situation. It does not exclude the fancy sorts, providing they can meet the terms, which the public will buy, and which is a paying proposition to the grower. A very large bloom is not, as a rule, obtained in the same quantity from the same space as a smaller one. Here then, seems to be the size limit. Can we secure enough extra money for the individual bloom to warrant the growing of only such varieties as produce flowers larger than the ordinary? Perhaps, with some growers there would be such a demand, but not as a rule would this be true. The commercial carnation in its broadest sense is the medium sized bloom, the average length stem, the non-bursting calyx, the even-colored bloom, with the keeping and shipping qualities which are usually a part of the make-up of such bloom as I have tried to describe. Light pink, intermediate pink, dark or cerise pink, scarlet, dark red and white we must consider standards. Variegated we must class as fancy, for both white and yellow variegated are profitable only when grown where there is a market which calls for them.

The number of flowers per square foot of bench, and the number of dollars per year is the only question the commercial grower should consider. The average number of blooms per plant is a deceiving method of calculating the profit from a variety, for one plant of some varieties will occupy the same space as three of a different type which run to bloom and not to plant. Then, too, one year's experience with a novelty is not always a proper guide, if the results be shown merely on paper. A different handling may produce different results. Very few varieties become disseminated without having some good

features, and while one variety may do well in a locality, another may not. This is the nature of the beast, and having in mind several that have failed me, and done well elsewhere, I will drop the subject.

Given, then, a stock of standard varieties, what is the best method of handling them all the way through? To this I reply, with consideration for the individuality of each and every variety in your list. I will try to explain myself on this subject.



MESEMBRYANTHEMUM TIGRINUM.—See page 384.

Three distinct classes of varieties appear to me. One inclined to soft heavy foliage and curly leaves. This type is inclined to come short jointed, and to require an unusually heavy body of roots to produce early bloom with stems long enough to be worth the handling. For these there is nothing but indoor culture to secure the best results.

The second class is the doubtful one. The thin foliaged, loose jointed specimen which makes only bloom if grown inside and very little plant. It needs less soil, and with less top makes correspondingly less root. Field culture with early benching seems the best, as the production of plant is easier to accomplish in the field.

As a type of the third or variable class, I wish to mention Enchantress, a variety which will be found superb for indoor culture, and an easy variety to lift from the field, even as late as September to fill the last ends and prevent loss of space.

Classing these varieties, then as we do, we plan our planting as soon as we can determine how much room we can count on after Easter. The condition of the breaks from 10 to 12 inches above the soil in February will determine this. Get the heavy foliaged varieties ready for an early start. Then comes the wait for after Memorial Day, when the summer's shifting is in full blast, aiming always to leave a part of a house of white and some Enchantress for the last of June.

We like to handle young stock in pots for the April benching, and 3-inch is a convenient size to handle, this stock having been shifted from 2-inch, or 2¼-inch, as the case may be. Where this stock has been in 2-inch, however, a shift to 2½-inch and then to 3-inch is to be preferred to a single repotting. For later use, benching in shallow soil about four inches apart gives a better chance for the plants, and means less work, and danger of loss or stunting, due to being pot bound, is avoided.

Field planting from 2-inch pots is the next in order, and then the care in the field. Summer watering I do not approve of, and for the following reasons: It is very seldom that the soil takes up this moisture to any depth. If done at night, the sun of the next day takes more even than was given. A continual wetting of the foliage at night is a great incentive to leaf spot, and growth under these conditions will be soft and therefore an easy subject to such fungus. The best plants come from the field that gets the most hoeing, and I do not think a well cultivated field can be improved upon, except, by more hoeing.

Our system, then, is a combination of the two, or rather three, methods. Pot culture, bedding them out in the houses intended for chrysanthemums, and field culture. "Would you plant them all inside if you could?" is a question I am often asked, and I can only answer it by saying that it is an impossibility to handle all our stock with any one method. Our supply of bloom is broken for only two months, as we cut by September from the first planted houses, and our last houses we aim to plant in early July, and do not care to cut from them until November. Last season we planted one bench in March, and the plants are still looking well and producing the bloom.

"Do you prefer the bench to the solid bed?" is another. I will answer it by saying that for early planted stock the bed is superior; for field plants I prefer the bench. The heavy foliaged varieties seem to be in their element on the beds, while the others seem to even up matters.

TEMPERATURE.

Temperatures can almost be figured by classes, the heavy foliaged varieties, as a rule, standing for a little more heat. The evenness of the night temperature is perhaps the most essential. Very seldom have we had any trouble with bloom which could not be traced to this source. Softness in such varieties as Enchantress usually means an overabundance of water at the root, or a too high temperature at night. A hard bud is usually a check from contact with glass, or cold draughts of air at some time, due, perhaps, to a sudden drop in temperature, or broken glass. If we would grow carnations well, we must watch them nights.

The producing of the best is one long struggle. Insects, fungi and temperature all make it a never ending fight. Watchfulness, combined with common sense and the willingness to do hard work, will succeed in meeting these troubles, and coming out with success and credit.

To the retailer I would say, "help your grower." What sells best with you? What colors are you wanting most? Advise him how they keep, and he'll know how to run the houses. And growers, let me say to you that it is

COLLECTION OF SUCCULENT PLANTS.—See page 384.

poor economy to grow second class stock because business is dull this season. On good stock depends your future, for it is one of the essential elements of success.

Fixing a Carnation Sport.

ED. AMERICAN FLORIST:—

I have a carnation sport on Enchantress, a deep pink, speckled. Please state the best way to get a stock of it. All the rest are Enchantress flowers; only one shoot produced the sport.

SUBSCRIBER.

Cut the flower with a short stem and encourage the lower part of the same stem to throw side shoots. Then take these off and strike as cuttings in the usual way. Mark the stem after taking the flower off with raffia or in some other way to ensure no mistake being made. It is by no means certain that all the cuttings will be true. Possibly you may not get one the same as the sport. It will take several years of propagation and selection to fix it and work up a good stock. G.

CHRYSANTHEMUMS

Cross-Fertilization of Chrysanthemums.

The past fall has been a favorable one for producing seeds and that is doubtless due to the many bright days, which give an abundance of pollen. The most suitable plants for cross-fertilizing are those grown in 4-inch pots and restricted to one flower. The labor involved in the manipulation of composite flowers is more complicated than with carnations, geraniums and many others, which have a less number of reproductive organs, which are so constructed as to be visible and under the complete control of the operator. The single and semi-double varieties will self seed but the large and double ones cannot, owing to the long petals and their congested arrangement, which prevents the pollen from reaching the minute style, located at the base of the flower.

The most tedious part of the work is to prepare the flower to receive the pollen, and owing to the construction previously referred to, it is necessary to dispense with the greater part of the long petals, so that the stigma (the upper surface of the styles), to which the pollen is applied, are exposed. (See fig. 1.) This is best accomplished with a rather heavy pair of manicure scissors, care being taken not to injure the styles. The great object in artificial pollenizing, is to have complete control of the parents, so as to be assured that the seedlings are a result of their union. The staminate (pollen producing) florets are usually located in the center of the flowers and while they produce the pollen, they also have styles the same as the outer petals and if the pollen is allowed to develop, self-fertilization is likely to take place. To prevent such action, it is necessary to emasculate the flower of the seed bearing plant with the point of the scissors.

This operation must take place prior to the developement of the pollen, and, for this reason, the trimming is usually done when the outer row of petals is fully expanded. The styles are very minute, located at the base and attached to the petals. At maturity the upper portion divides and assumes a horizontal position, much the same as the top of the capital letter, "T," the upper surface being the stigma. (Fig. 2.) As soon as the styles have completed their growth, pollen is selected from the most desirable varieties with a camel's hair pencil and applied to the stigma. In four to five weeks the seed will be ripe when it should be harvested and sown early in the new year.

The question has been asked, "does the operator know what results he will obtain?" He does not know. The ways of nature are so obscure that it is impossible to imagine the bloom of his seedlings. We can adopt a few simple rules that appear rational and must then await results. By using pollen of a large exhibition bloom upon a pompon, we would expect to increase the size of the latter, but not of the former. Crossing narow and broad petalled varieties, would doubtless enlarge the petals of one but not the other. The same would apply in uniting incurved and reflexed forms, long and short peduncles or stems as well as extremes in color. The nearer the parents are to the character we wish to establish, the greater the probabilities of success.

Fig. 1.—Chrysanthemum Trimmed Ready for Fertilization.

Often it is difficult to make the most desirable selection, as there are usually several characteristics of equal importance. We may have two varieties, which, united, would give an improvement in color but one has a poor stem or is not the best form, so it seems wise to make such crosses as appear practicable and select from our seedlings those which show improvement in the characteristics which we are endeavoring to promote. Fortunately the new varieties produced from seed are perpetuated by cuttings and thus the trials, often so perplexing, in the development of annuals (which must come true from seed year by year to be of great value) are eliminated.

The dominant power of the parents, as manifest in the seedlings, is very interesting, but it is not in the power of man to grasp and put into operation a set of rules which will give assurance of the desired results. If it were possible to know the proportion of the two colors entering into the union, that would be assimilated in the construction of the color cells of the offsprings, then it might be easy to breed colors to order. We know the laws which govern the mixing of colors, but we do not know what proportion of these colors will be utilized in the establishing of color in the seedling. Will we have a perfect blending of the red and yellow, or will nature spread a few splashes of red over the yellow and give us a bronze effect? Such questions continually arise and remain unanswered until the new creation is before us.

ELMER D. SMITH.

Chrysanthemums in Germany.

The all-absorbing subject discussed in recent issues of German trade papers is the autumn queen of flowers. Of interesting facts thus brought to light those forming the theme of the many reports and remarks written by well-known chrysanthemum growers of extended experience seem most worthy of note. In their opinion nothing really new had been seen at the various fall exhibitions held in recent years. Many of the novelties introduced and shown as such for quite a number of seasons, it is averred, were but duplications of older sorts, reproductions in fact of varieties that had

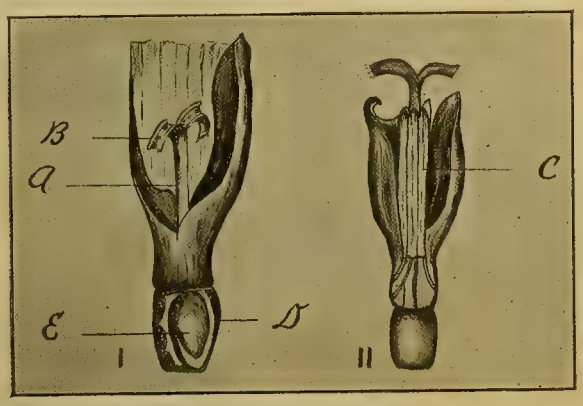


Fig. 2—(1) Pistillate Floret; (2) Staminate Floret. (a, style; b, stigma; c, stamens; d, ovary; e, seed.)

already existed and were under cultivation everywhere. In consequence lack of distinctive characteristics in the sorts now grown commercially prevails, many varieties passing under two and even three names. But last fall things took a turn, and all admit it. The year of 1907 brought its surprises in novelties to the wonderment of even the most critical of adepts. Although the number of novelties exhibited last fall did not exceed those seen in former years they far surpassed them in point of excellence. Not only were the greater number examples of astounding improvement in nearly all the classes as shown, as respects form and size of bloom, length and strength of stem and compactness and vigor of growth, their principal claim to being strikingly new varieties rested in the grand array of novel colors, combinations of shades and exquisitely blended tints, such as the most sanguine of chrysanthemum enthusiasts had never expected to behold in the flowers of his adored queen. As perfect marvels of beauty in this class are named Lady Lennard, Mary Masson, Mrs. W. Wells, Excelda, O. H. Bromhead, R. F. Felton, Reginald Vallis and W. Meredith.

Another very attractive feature of all the chrysanthemum shows held last fall were the many fine exhibits of single varieties in bush-form, standards and half-standards. It is a type which more than any other has proved of great value for the general trade in potted market-plants, especially to German growers, since these kinds can with least effort be worked into the best of stock under even the most trying conditions such as they are compelled to contend with. Among the most easily grown of the brightest colored and most floriferous singles: Ada Owen, light rose; Annie Holden, yellow; Horatio, brown; Mary Anderson, pink; Edith Pagram, white and rose variegated; Daisy, white, and Scarlet Gem are most highly spoken of. Leading sorts of large flowered chrysanthemums, extensively grown for cutting in Germany, are Mme. Gustave Henry, Lady Selborne, Miss Alice Byron, Princess Victoria, Western King and Snowdrift in white. Mlle. Marie Liger, Mrs. Barkley, Duke of York, Jean Calvat, Mermaid and Margot in red and rose. Queen Alexandra, Le Grand Dragon, Mme. G. Rivol, J. R. Upton, Bonnie Dundee and Sparklets, yellow shades. None of the varieties are grown under constant bench culture in the summer. Propagation ends in April, and while some of the stock is shifted along from pot to pot during the summer and placed in outdoor frames, most of it is planted out in the open field, where it receives close attention as to staking, disbudding and general culture. Many of the kinds are grown to but one stem and one flower, others to three or five, the smaller percentage into shapely bush-plants. In the fall all are lifted, potted and eventually housed. The damp and chilly days of autumn, as usually experienced in Germany, are more dreaded than even early frosts. To combat mildew in finishing up overhead heating must be resorted to, after the plants have been brought in.

FREMONT, OHIO.—J. R. Sprout claims the largest apple tree in the state; the tree measures nine feet 3 inches in circumference at the base and bears well each year.

A Tribute to the Late Reuben H. Warder.

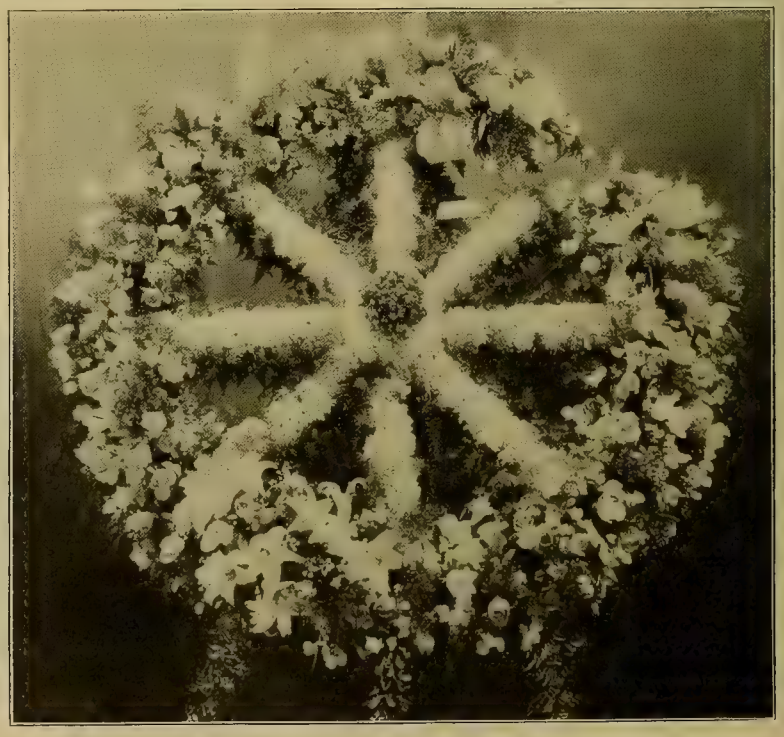
The following is the text of the address given by Slason Thompson at the memorial services, held at the Academy of Science building, Lincoln park, Chicago, March 15, for Reuben H. Warder, late superintendent of Lincoln park, who died December 26.

Others have spoken of Reuben H. Warder, the worker, the public servant and benefactor—let me speak of my friend, the man. Happily, in so speaking, the words we would wish to be spoken of ourselves when there is an end to flattery, are intrinsically true of him. Would we be esteemed sincere? Mr. Warder was the soul of sincerity. Vain pretense found no lodgment within that steadfast breast. Would we be deemed modest, gracious, just—above a lie, a stranger to meanness, deceit or pettiness of spirit? So in every last particular and relation of life was he. Would we each be regarded as citizens for our fellows to trust; for men to admire; for women to love? Such was Reuben Warder.

A most companionable man was he—welcomed in all circles where men esteem manly worth, and women recognize that true chivalry abides only in purity, gentleness and courage—children were devoted to him because he spread the ripest fruits of his comprehensive knowledge of field and forest before their wondering minds. Nevertheless this man in some phases of life was singularly alone. Despite his many and true friendships he lived a solitary being. He seems never to have known a home of his own since he left his father's roof. No man, so far as I know, got far within the outworks of his affection—or woman either, for that matter. And yet, he had all the attributes that would seem to preclude this strange anomaly. Explain it I cannot, unless it be that "nature was his goddess." From his earliest youth he had worshipped at her shrine. He had walked amid the groves of nature, and held communion with her in the open fields and in her hidden wilds. Nature unlocked her secrets to him as she has done for few—the happy few, who, when gifted with the gift of imagery in words, color, or music, are enrolled among the immortals.

I have no doubt that many times in his experience Reuben Warder felt the same emotion that thrilled Robert Burns when his plow crushed the "wee, modest, crimson tipped flower." There was a living sympathy between this man and all that sprang from the bosom of mother earth that I have never seen equalled. He loved the lichen and the oak. His eye, ever alert, searched out the blades of grass and the tall tops of the rustling pines with quick and accurate comprehension. No book-taught botanist was Mr. Warder. He had held familiar converse with his mistress nature from the day he first saw the light—where the Ohio rolls—until his eyes rested for the last time on the snow garbed vistas of Lincoln park.

To such a lover of nature all seasons were summer. Glint of sun, drip of rain, soughing of the wind had their responses in the nature of this strong man with the weather seamed face. He loved the summer, but he felt what was going on under the snow and ice, just as surely as though it were visible to those searching gray eyes. And what eyes they were, with their shaggy brows! On his last visit to Lake Forest, some three weeks before his death, I remember how for almost an hour he sat looking out over the lustrous lake, changing to every hue Michigan alone knows. Scarcely a word was spoken as the shadows wheeled slowly across the face of the water. But those keen gray eyes seemed to respond to the softening shadows. Far out on the restless waves they seemed to find rest. It was such an hour as poets sing and lovers love. And this man was a true poet, for he was a true lover of nature. And that evening when the lake was hidden from our eyes, and the table had been cleared, and the lamps were lit and the oak log he loved blazed upon the hearth, and each was recalling some treasured scrap of song or verse—then Mr. Warder drew from his pocketbook a newspaper clipping, brown with age, and scarcely holding together at the creases, and with his voice broken with emotion and the difficulty of making out the blurred print, he read three stanzas describing the coming, the being and the passing of man, that seemed almost the summing up of his idea of life. He said he had carried that clipping in his pocket-



SIX-FOOT BROKEN WHEEL BY A. LANGE, CHICAGO

book for more than 30 years and that it had been a source of infinite consolation to him. We asked for a copy and he said he would have it reprinted. But I fear it never was.

I have ventured to give this little glimpse of Reuben Warder in private life that you who only knew him as an official, a master of his craft, an artist, whose canvas was the landscape painted by nature's "own sweet and cunning hand," who recarpeted this beautiful park with grass, from which the weary were never forbidden; who toiled late and early that the myriad toilers of this city might here find rest for their bodies and souls; that you might know him as one who saw visions and heard melodies in nature that are given to few to see and hear. That such a man should have been endowed with the gift of practical administration was nothing short of marvelous. Such men "feed the high traditions of the world." When shall we look upon his like again?

THE RETAIL TRADE

Suggestions to Retailers.

In a season when flowers are as cheap as at present, designers should redouble their efforts to advance the use of cut flowers in funeral work, in preference to metal designs, or any other material. It is no injustice to anybody to state, that the person who lays other than a bunch or design of natural flowers on the bier of a loved one, or a respected acquaintance, misses the real spirit of the loving tribute. We grant that the intentions may be of the best, but wax, metal and other dead matter, fall far short of conveying the sentiments of the esteem, and affectionate remembrance that is expressed by nature's blossoms. To some it may seem that this advice is unnecessary, but we have in our great cities an element that clings to the artificial.

The present time is a good one for the intelligent designer who frequently does business with the poorer classes to do effective missionary work along these lines. There is now no restriction on what may be used in funeral work. Lily of the valley, beautiful in any combination, is now being sold on the streets of our great cities. It is to the interest of every branch of the trade, that these and other flowers should be used in funeral work, rather than go to the hawkers. Carnations, sweet peas, freesias, violets, stocks and other flowers are all very cheap and can be effectively used in designs.

John Walker, Youngstown, O.

John Walker, of Crab street, Youngstown, O., who conducts a very large wholesale and retail business reaching to all points of eastern Ohio and western Pennsylvania, has arranged to open up a fine retail store on West Federal street. Mr Walker has at times a greater amount of stock than his shipping trade calls for and this accounts for the decision to open the retail store. Recently the hospitals and charitable institutions of the city have been benefiting by Mr. Walker's liberality in the way of large quantities of flowers. His greenhouse plant at the Wick avenue extension is always worth a visit. There are 18 large houses in all filled with all kinds of stock. Carnations and violets are specialties, several houses being filled with the former and one large structure with the latter.

ST. PATRICK'S DAY BOX, BY JOHN MANGEL, CHICAGO.
Green Carnations, Maidenhair Ferns, Potato and Pipe, Tied with Green Ribbon.

The Pussy Willow.

Not within my recollection has anything been placed in the hands of the decorators, that is cheaper and can be used more effectively than the pussy willow. Its cheapness, it may be added, in no way interferes with the sale of fine plants or cut flowers as it fills a place distinctly its own. Recently in one of the New York stores, we noticed combination baskets of Azalea mollis, A. Indica and other plants on which imitation handles of pussy willow had been skilfully executed. On several of these, bows of ribbon, of a shade to match the willows, had been tied. The pliability of the wood makes its manipulation an easy matter.

Design by A. Lange, Chicago.

A notable funeral piece, executed by A. Lange, Chicago, represented a broken wheel, and was six feet in diameter, standing on its easel nearly eight feet high. The rim was of adiantum, Uncle John roses, La Reine, tulips, sweet peas, callas, Harrisii lilies, lily of the valley and freesia. The spokes were of Enchantress carnations and Asparagus plumosus, while the hub was of white carnations with the axle of violets.

Another design, also executed by Mr. Lange, was that of a broken column. The column was of white carnations, the broken end being finished in violets. The base was of bronze and green galax leaves, Asparagus plumosus, Easter lilies and snapdragon. Around the column wound an elaborate garland of adiantum, American Beauty roses and freesias. This piece stood five feet high and cost $100, as did also the broken wheel above described.

"WHAT a shame to color those lovely roses green," said a lady recently looking at the green roses and carnations in a florists' store in Chicago.

The Gladioli in Wisconsin.

ED. AMERICAN FLORIST:—

As noted in the AMERICAN FLORIST a year ago, I went to Shiocton, Wis., to superintend the trucking on a 3,500-acre farm and to grow my gladioli there. Early in April a large part of my bulbs, over 1,000,000, were shipped from here by freight. They were sacked and then put in boxes and barrels. When they arrived in Shiocton, the sacks were taken out of the barrels and arranged in a barn so as to get air, as there was no place to spread them out. The spring was cold and wet, and it was the end of May before we could commence to plant. Even then there was no way to make drills but to draw a heavy sled over the soft mud and let the runners sink from two to four inches.

I rented half an acre of land where I put most of my named varieties. These were the last to be planted, and the work was not finished till the middle of June. But, as some of each kind were of large size, they made a rapid growth and were soon in bloom. For the good of the bulbs the flowers were cut early and very few were wasted. The children came for loads of them every day, and grown people as often as they could use them. They were carried all over the county and into distant parts of the state. Some went to adjoining states and even beyond. They were free to every one, but I did the cutting. Parties came in automobiles long distances to see them, and all were delighted. The gladiolus was very much in evidence in Shiocton until freezing weather came in October. The last one to succumb was Augusta. Thousands of them bloomed after very hard frosts.

The Wisconsin State Horticultural Society held its summer meeting in Shiocton at the last of August when the flowers were at their best. This gave all who attended an opportunity to see the collection, and I am sure they enjoyed it.

It is quite an undertaking to dig seven acres of bulbs, many of them small, with untrained help, no flats to dry them in, and no suitable buildings on the farm. We rented a building in town with six rooms on the lower floor, in which the bulbs were dried, cleaned, graded and packed. At the storage warehouse, where farm products are bought, we found hundreds of onion crates, all of which were at our service. My assistant suggested that we try a sugar beet lifter to do the digging. It was a great success. As fast as a team could walk the row was raised about two inches and left standing in loose soil without disturbing the bulblets.

During November we kept a fire day and night to dry the bulbs. By Thanksgiving I had them carefully packed, and on the next day they were put into a refrigerator car with at least one foot of hay packed all around them as well as underneath and above. I think they might have stood on the track in Wisconsin all winter without injury. I and my bulbs started for Cuyahoga Falls, O., December 2. I stopped in Chicago and when I reached home a week later I found them in the cellar. The season was too short. Bulbs did not grow large enough, and many of the bulblets failed to mature. But as for flowers I never saw finer. In an ordinary season the gladiolus can be grown to perfection in any part of Wisconsin.

M. CRAWFORD.

Cuyahoga Falls, O., Mar. 10, '08.

The Henry F. Michell Co. Trophy.

We figure in this issue the Henry F. Michell Co. trophy, for the best 50 Kate Moulton roses, exhibited at the annual convention of the American Rose Society, Chicago, March 25-27.

It is distinctly different in many respects from prizes ordinarily given. In the first place, it is most practical, having a base of six and a quarter inches in diameter, and an opening at the top of six inches. The vase is 12 inches in height, and will not only take considerable stems, but will hold a goodly quantity of water.

The trophy, which was designed and made by Maxwell & Berlet, Inc., Philadelphia, Pa., has a beautiful hand-chased representation of Kate Moulton rose on the front. The entire piece is finished in French gray and reflects great credit on the donors, Henry F. Michell Co., 1018 Market street, Philadelphia, Pa.

Cement Benches.

ED. AMERICAN FLORIST:—

I have noticed an article in your issue of December 14, which has just lately been called to my notice, in regard to concrete benches for greenhouses, saying that plants will thrive on them as well as on boards, with which I heartily agree, having experimented with these benches for the last four years, both as to their growing qualities and construction. Your correspondent says "Do not be led into the belief that stationary or permanent constructions are most practical." With this I do not agree, as I am positive that benches built in one solid piece are cheaper, by so large a margin, that if the question is thoroughly gone into, sectional benches would not be considered. They are much stronger as the entire structure is all bound together into one solid piece, so that they will withstand any weight to which they may be subjected. They are neater in appearance as they can be built lighter, and they do not need the expensive reinforcing material necessary in sectional benches.

They are cheaper because they can be built with the cheapest kind of reinforcing material, because they can be built with less material and because the cement can be handled more quickly; having a large space to work on, it can be smoothed out on a bench as fast as it can be mixed by four or five men; with 10 men as much as 700 to 800 square feet can be finished in two or three hours. They are cheaper also because the cement is handled only once, as it is poured on the place it is to remain, and not first poured into small moulds, then set aside to dry then taken out and stored away, and then carried to where bench is going to be erected, and then handled again in erecting bench; also because there are no beams of cement necessary to carry a permanent bench which are needed when sections are used.

For the benefit of your readers, I am willing to argue on any point your correspondent might bring up by actual figures on time in erecting and mode of construction, as I am firmly convinced that cement will supersede wood in the greenhouse as it is already doing in all other building operations.

LOUIS WITTBOLD.

THE HENRY F. MICHELL CO'S ROSE SHOW TROPHY.

American Rose Society.

THE ANNUAL MEETING.

The Chicago men certainly have acted in the spirit which has made their city the imperial city of the west. The beautiful Blackstone hall in the Art Institute is to welcome the treasures of the best rose cultivators of the nation. The exhibition will be opened on Wednesday, March 25, at 5 p. m. The first session of the annual meeting will be called at 7:30 p. m. sharp, the second session at 2:30 p. m. March 26, and a third meeting will follow. The headquarters of the society will be at the Stratford hotel opposite the Art Institute on Jackson boulevard.

President Simpson will open the meeting with an address. Papers or addresses will be offered by J. A. Valentine of Denver, on "Roses in Colorado"; W. A. Manda of South Orange, N. J., on "Rose Gardens"; George A. Maynadier of the Department of Agriculture, Washington, D. C., on "Soils"; Robert Craig, of Philadelphia, Pa., on "Roses in Pots for Easter"; W. H. Elliott of Brighton, Mass., on "The Proper Size of Greenhouses for Commercial Purposes"; J. F. Sullivan of Detroit, Mich., on "Roses for Decorative Purposes."

There has been offered a special growers' prize for the men who actually grew the flowers, by Peter Reinberg of Chicago, a first prize of $25, second $15, third $10.

A sweepstake by the Horticultural Society of Chicago, of a silver medal. A. L. Randall Co. offers a prize of $10 as a second for Ivory—and there was omitted in the printed list a prize by H. F. Michell Co., seedsmen of Philadelphia, Pa., for the best display of 50 Kate Moulton, a silver vase, valued at $25.

The ladies vote prize is a feature which seems to have elicited considerable attention as it calls for personal interest in the actual show.

There has been mailed to each member of the society the final list of special premiums, members admission tickets and a copy of the programme. It is hoped that we may receive a substantial addition to the membership. A. P. Budlong sends his check for a life membership.

During the meetings the secretary will lay before the convention the matter of the Rose Journal as a quarterly missive; one third of the members required to start the work for a year have enrolled.

George Asmus is manager of the exhibition.

Exception is made in favor of Killarney, to the rule "all cut flowers in the competition classes must be from a single growth of the current season."

BENJAMIN HAMMOND, Sec'y.

To be Done Now.

IN THE GREENHOUSES.

Roses as they begin to grow more freely may be more liberally fed.

A good clean-up for the spring in all departments is in order.

Look out for the leaf miner in marguerites and other plants which it most affects.

Mark the best spikes of mignonette for seed and thin the bells a little.

Commence feeding pelargoniums as soon as the growth is getting well away.

Tobacco stems should be placed around the pots on the benches where calceolarias are growing to discourage green fly.

Cyclamens potted as recently advised need all the light possible now, and as the roots get well through the soil plenty of water to prevent check to growth.

IN THE STORE.

Only a month to Easter. Have all preparations made and be ready with everything necessary to facilitate quick delivery.

Tastily arranged baskets of bulbous plants should sell well this season, but they must be tasty. There are too many cheap looking attempts about already.

Pussy willows and forced shrubs were principally used in a very fine window decoration recently noted.

Landscape and rustic scenery in the windows are effective when well done, but, unless they are really good, are the reverse of pleasing.

Don't hold out for long prices when stock is cheap and then blame the wholesaler for selling to street men.

OUTDOORS.

Good clumps of Caltha palustris may be planted in boggy positions where they will flower early in the spring and make a fine display.

The trays of gladiolus bulbs may be brought out and given a good airing and sun bath on a mild, bright day.

Geo. Asmus.

Manager Chicago Rose Show.

Lift all specimen conifers with as large a ball of roots as possible and see that the soil is thoroughly moist.

Berberis aquifolium should be planted in sheltered positions in the north, if only for the sake of its bright yellow flowers in spring.

Head back apple and pear trees in mild weather to within a few inches of where they are to be grafted.

Lobelia cardinalis thrives best on a somewhat heavy, moist soil, but is not perfectly hardy in such positions.

When dividing old clumps of herbaceous plants pull out all perennial weeds such as twitch grass, mallow and bindweed.

When planting herbaceous borders leave room for the plants to attain full development. The space may be sown to annuals the first year or two.

Cut back Clematis Jackmani, where it has become untidy, before growth starts.

OBITUARY.

William A. Kellerman.

William A. Kellerman, head of the botanical department at the Ohio State University, died at Guatemala City, March 8. Prof. Kellerman went to Guatemala about a month ago to study the flora there. He was born at Ashville, O., on May 1, 1850. He graduated at Cornell University in 1874 and received the degree of Ph. D. from the University of Zurich in 1881. He taught natural science at the Wisconsin State normal school for five years and was professor of botany and zoology at the Kansas State Agricultural College for eight years. For one-half of this time he was state botanist of Kansas and botanist at the Kansas Experiment Station. In 1891 he became professor of botany at the Ohio State University. He was founder and editor of the Journal of Mycology and the author of "Flora of Kansas," "Elementary Botany," "Phyto-Theca," and "Spring Flora of Ohio."

J. M. Gasser.

J. M. Gasser, head of the J. M. Gasser Co., Cleveland, O., died at Flint, Mich., March 12, at the age of 65. Mr. Gasser, although a native of Switzerland, came to this country when a child, his parents having emigrated here in 1854. He was a man of wide interests and knowledge gained by much study and travel. Beginning at the bottom, he gradually advanced in his business until he was regarded as one of Cleveland's most active and successful business men, this being brought about by his own skill, industry and integrity.

He started in business for himself in 1872 in quite a small way with a stationery and candy store. Flowers were used to beautify the store and gradually customers were asking for them. At first they were given away but later the demand increased so that he had to charge for them and this led to the establishment of the great business of which he was the head. A few years ago 250,000 feet of glass were built at Rocky River about nine miles out of the city and here the flowers for both wholesale and retail business were grown. Unfortunately, of late years Mr. Gasser's health has been far from good and he has at times had to leave his business to others.

Alfred Hildred.

Alfred Hildred, a florist for the past 25 years at or near the corner of Thirty-first street and Indiana avenue, died suddenly early the morning of March 17. About a quarter of a century ago he began working for E. Hobbs, and 12 or 13 years ago he began business for himself, later building at 3030 Indiana avenue, where he has since conducted a successful retail trade. Funeral services were arranged to be held at Perrigo's chapel, 2973 State street, March 19, at 6 a. m., and burial will take place at Concord, Mich.

Julius C. Gerlach.

Julius C. Gerlach, for many years junior partner in the firm of Begerow & Gerlach, St. Augustine, Fla., died at his home March 9. Mr. Gerlach was a German, 63 years of age, and came to this country when about 20. Since his retirement from business he has enjoyed good health, and the announcement of his death was a shock to his friends, of whom he had many, being a man much esteemed for his personal qualities.

C. T. C. Deake.

C. T. C. Deake, for years manager of the Idlewild Floral Co.'s greenhouses at Asheville, N. C., died March 11 at the ripe age of nearly 84. Mr. Deake was born in Providence, R. I., and entered the florist business in 1887. He afterwards formed the Idlewild Floral Co., which was maintained until two years ago, when the greenhouses were leased.

PROVIDENCE, R. I.—A fire at the establishment of T. F. Keller, 190 Mathewson, caused considerable damage to his stock and fixtures.

THE AMERICAN FLORIST

1885 TWENTY-THIRD YEAR. 1908

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Idle Unfretted Flowers.

Let us dream on, then,—dream and die
Ere the dream pass.
Let us for once, like idle flowers,
Let slip the unregarded hours,
Like the wise flowers that lie
Unfretted by a feeble thought,
Future and past alike forgot,
Drinking the dew contentedly
In the cool grass.

FOUR WEEKS to Easter.

GREENED CARNATIONS is a much more acceptable term and more truthful than green carnations.

WING HOP, a Chinese gardener, near Fresno, Cal., is said to have produced an odorless onion.

THERE are rumors in Europe of a new white single violet, said to be as large as Princess of Wales.

ONE of the Philadelphia street flower sellers handled 10,000 carnation blooms last Saturday in his day's business.

THE Argentine ant referred to by Prof. L. R. Taft in our issue of March 14, page 332, is attracting considerable attention just now.

THE jewelers are blaming the increased expenditure on automobiles for slackness in their trade but florists are buying automobiles.

IN the note on "Early Outdoor Sweet Peas" which appeared in our issue of February 29, page 223, for "8-inch" nails read "8-penny" nails.

THE CHICAGO ROSE SHOW next week will join the rose hands of north, south, east and west as they were never joined before. Get your berth and ticket early.

WE have frequently alluded to the value of soot as a fungicide. We note now that English growers are recommending it as a preventive of rust in chrysanthemums.

THE March 7 issue of the Rural New Yorker is a notable one, both in its broad collection of valuable horticultural matter and the advertisements therein of representative American firms.

MAGNIFICENT Bride roses with fine, long stems and grand foliage, draggled in a washy green dye and parading so disgraced in many first class flower shop windows in American cities this week! St. Patrick save us!

THE annual spring flower show of the Massachusetts Horticultural Society is in progress, March 20-23. Spring bulbs, orchids, Easter flowering plants, roses, carnations and violets are specialties and the schedule calls also for collections of winter apples and vegetables.

THE Proceedings of the Congress of Horticulture held at the Jamestown Exposition September 23, 1907, have been published and bound in a volume of 108 pages. Copies at 25 cents each may be had by addressing H. C. Irish, secretary National Council of Horticulture, Missouri Botanical Garden, St. Louis, Mo.

WE have several inquiries respecting a remedy from poisoning owing to handling Primula obconica. Some time ago a writer in our columns mentioned that he had obtained relief by using freely a lotion made of equal parts of carbolic acid and glycerine, and we trust sufferers may find this of service. Should any readers know of another or better remedy we will be glad to hear from them.

Glass.

Glass prices are still easy about as follows, F. O. B. Chicago: 16x18 A, $2.70; 16x18 B, $2.52; 16x24 A, $2.96; 16x24 B, $2.70. For large lots proportionately lower quotations can be secured.

National Flower Show.

PRELIMINARY PREMIUM LIST OUT.

Secretary W. N. Rudd, of the Society of American Florists, has a huge task off his hands in that the premium list of the National Flower Show is out. It is quite an imposing and comprehensive publication but doubtless needs some revision and all those interested should at once apply for a copy. It can be secured on application to J. H. Burdett, 1411 Frst National Bank building, Chicago. All suggestions for revision work should be mailed as early as possible to Willis N. Rudd, Morgan Park, Ill.

National Council of Horticulture.

PRESS BUREAU SCHEDULE.

The schedule of articles to be sent out by the press bureau of the National Council of Horticulture during the next three weeks is given below. The object of these papers is to arouse popular interest in the subjects noted and compilers of catalogues and others will find it of benefit to obtain and peruse them as they tell in plain and easily understood language what the garden maker and amateur wants to know. They are prepared under the direction of Professor Irish of the Missouri Botanical Gardens, St. Louis, and among those who aid him in the work we find such well known names as: S. A. Beach, Iowa Agricultural College; L. R. Taft, Michigan Agricultural College; S. B. Green, St. Anthony Park, Minn.; E. J. Wickson, Berkeley, Cal.; W. W. Tracey, Washington, D. C.; J. Horace McFarland, of the American Civic Association, and J. H. Hale, of South Glastonbury, Conn.

March 21.—"Germination of Seeds," "Home Vegetable Garden," "Hybrid Perpetual Roses," "Viburnums."

March 28.—"Good Plants for Garden of Annuals," "Lawns," "Apple Orchard Management," "Dietetic Value of Fruits."

April 4.—"Golden Bell and Sweet Shrub," "Tea Roses," "Phlox," "The Home Orchard."

Meetings Next Week.

Baltimore, Md., March 23, 8 p. m.—Gardeners' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.

Chicago, March 25-27.—American Rose Society, Art Institute, annual meeting and exhibition.

Cleveland, O., March 23, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit street.

Denver, Col., March 27, 8 p. m.—Denver Floral Club, 323 Charles block.

Hartford, Conn., March 27, 8 p. m.—The Connecticut Horticultural Society.

Lake Forest, Ill., March 25, 8 p. m.—The Horticultural Society of Lake Forest, Council Chamber, City hall.

New London, Conn., March 25.—New London County Horticultural Society, Elks' hall.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Every paid subscriber to the AMERICAN FLORIST for the year 1908 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—By young German; good designer and decorator, steady and reliable, good references. J. S., care American Florist, 1133 Broadway N. Y.

Situation Wanted—As foreman or assistant on good private place; good experience in cut flow fruit and general stock. Address Box 744, Mamaroneck.

Situation Wanted—As assistant in greenhouses: age 27. English; private place preferred; please state wages.
Key 480, care American Florist.

Situation Wanted—By florist with 15 years experience growing roses, carnations and general stock; age 30; please state wages.
Key 455, care American Florist.

Situation Wanted—Where I can work for my board and learn the florist business; had one year's experience in general greenhouse work.
Key 482, care American Florist.

Situation Wanted—On private place as general gardener, age 35, married, lifetime experience: good references.
Key 465, care American Florist.

Situation Wanted—As rose, carnation, 'mum and violet grower by youeg married man; no children; state wages; good reference. Address
Key 457, care American Florist.

Situation Wanted—As gardener on private place with glass; age 31, single. German; 17 years experience in general greenhouse work and landscape. Key 483 care American Florist.

Situation Wanted—Single man, good grower of roses, carnations and general stock; honest and sober; wants position on retail place; able to take charge. Key 472, care American Florist.

Situation Wanted—By expert rose grower on place where first-class stock is wanted; best of references; near Chicago is preferred; good wages expected. Key 469, care American Florist.

Situation Wanted—By thorough practical grower, competent in all branches 16 years, experience best references as to capability and respectibility, married.
Key 467, care American Florist.

Situation Wanted—First-class rose gower, 10 years' experience with wholesale and retail establishments; married; at liberty after April first.
CHAS. WAKELING CHATOGUE GREENHOUSES.
Mobile, Ala.

Situation Wanted—As gardener on private estate; first-class grower of fruits, plants, flowers and vegetables under glass or out; good landscaper; understand the care of trees and shrubs etc. Key 474, care American Florist.

Situation Wanted—By orchid grower; 15 years' experience in first-class private and tradeestablishments in England; seedling growing a specialty; please state wages.
Key 447, care American Florist.

Situation Wanted—By practical florist; single strictly sober; 12 years' experience as grower, decorater and designer; Chicago; retail place preferred; state wages.
Key 468, care American Florist.

Situation Wanted—By gardener; understands greenhouse work, outside budding, grafting, etc; good all-around nurseryman; five years' experience as rose grower. Address
Key 475, care American Florist.

Situation Wanted—Landscape architect and draftsman, German, single, 26 years old; life experience as horticulturist in all branches and not afraid of work; one year in this land
Key 481, care Ameriean Florist.

Situation Wanted—As foreman grower on wholesale or retail place; best experience and references; strictly temperate; married; eastern states preferred. Address
Key 478, care American Florist.

Situation Wanted—By A1 nurseryman and landscaper; best of references from Holland, English and American nurserymen: used to handling help. E. I. TINGA care Mr. G. V. Heusden,
46 Hudson St., New York.

Situation Wanted—By German Gardener, 17 years' experience, five in this country; understands everything to be done in a greenhouse and can take charge of small place; 30 years old.
Address FLORIST, 24 Walnut St., Shelby, O.

Situation Wanted — Young man, salesman, designer and decorator; at present employed but desires to make a change. Willing to hustle if opportunity good. Address H. N., care
American Florist, 1133 Broadway, New York.

Situation Wanted—As foreman who understands the growing of roses, carnations, 'mums, palms, ferns and general stock, also outdoor gardening, including fruit; 13 years' experience; good designer; strictly sober.
Key 477, care American Florist.

Situation Wanted—Thoroughly experienced, middle aged grower of all kinds of cut flowers and general line of plants and nursery stock wants situation, commercial or private, with glass, or institution; best references.
Key 471, care American Florist.

Situation Wanted—As foreman or otherwise; understands growing roses, carnations, violets and all kinds of cut flowers and plants; thoroughly practical in all branches of the business, 40 years' experience in England and America; single, age 54
GEO. H. MORRIS, Hudson, N. Y

Situation Wanted—As head gardener on public place or private estate; also able to take full charge of commercial establishment; am a thoroughly competent grower, florist and landscape gardener; middle age, no family.
Key 452, care American Florist.

Situation Wanted—By a young married man as foreman and grower of carnations, 'mums, violets and general stock: 8 years' experience, best of references; will be at liberty June 1st, New York, Penna., or Md preferred. Address
Key 466 care American Florist.

Situation Wanted—By April 1, as gardener on private estate or public institution, Thoroughly competent in all its branches; sober, industrious; 31 years of age, single, 16 years' practical experience; good reference. Please state wages and particulars in first letter. Address
121 West Wood St., Brookfield, Mo.

Situation Wanted—By a thoroughly reliable florist experienced in growing first-class cut flowers and plants, and store management; sober, attentive to business and trustworthy in every respect, successful manager of help, best of references, age 31, married.
Key 470, care American Florist.

Situation Wanted—Young German florist, single, 14 years' experience in all kinds of pot plants, especially cyclamen and ferns; held a responsible position in a large Eastern establishment for the last two years wants a position in an up-to-date commercial place, with chance for advancement; also experienced in cut flower and landscape.
FLORIST, 161 Bergenline Ave., Union Hill, N. J.

Situation Wanted—Working foreman and manager 36 years of age, German, single, hustler, strictly sober and intelligent, 22 years' practical experience in roses, carnations, ferns, 'mums, violets, bulbs, bedding plants, Xmas and Easter plants, design decorating, landscape; first-class references; disengaged April 1st or later; good wages expected. Address
Key 473, care American Florist.

Situation Wanted — As responsible florist; thoroughly understands the management of private estates; 12 years' experience in public institutions; life experience in greenhouse flowers and vegetables; first class carnation and rose grower; strictly temperate; Ameican; married, small family; best of references; state full particulars in first letter.
Key 458, care American Florist.

Help Wanted—Competent rose and carnation grower. Send full particulars at once.
Key 464, care American Florist.

Help Wanted—A man to work in rose section, also two men for general greenhouse work; state wages without board. Address
Key 340, care American Florist.

Help Wanted—Two good plantsmen; situation open now; good wages; wire us if open to engagement.
MEMPHIS FLORAL CO.
145 So. Main St., Memphis, Tenn.

Help Wanted—By April 1st, young man, single as assistant on private place. $35.00 per month, board and room; 28 miles from Chicago.
Address, J. W. S., Box 61 Lake Forest, Ill.

Help Wanted—Single all around man at once for private place, must understand vegetables also help in greenhouses; steady place, apply stating wages including board and room.
C. J. REARDON, Box 498, Hinsdale, Ill.

Help Wanted—First man to grow bedding plants bulb stock and chrysanthemums; good potter and planter; steady place good wages for sober, industrious man. CASSIDY & SONS,
Calvary Cemetery, Greenpoint Ave.,
Long Island City, N. Y.

Help Wanted—Experienced gardener for private place; no greenhouse; must have knowledge of trees, shrubs and perennials; must be good worker; permanent position at $60.00 per month.
MEHL & MUSKOPF
23 Euclid Building, St. Louis, Mo.

Help Wanted—A good grower of carnations and bedding plants; must understand his business; steady place for the right man; German preferred. Address R. O. LOMMATZSCH,
Hillside near Oak Ridge Cemetery,
P. O. La Grange, Ill., R. F. D. No. 1.

Help Wanted—At once, competent all around greenhouse man in Utah; must be good grower of carnations, roses and general stock; permanent place for sober, honest and willing worker; state wages expected address
Key 476, care American Florist.

Help Wanted—Neat, single man to care for greenhouses in rear of store; must have good knowledge of plants, and able to intelligently meet customers when necessary; permanent position with future, to right man; salary $60.00 per month. WASHINGTON FLORISTS CO.,
13th and F Sts., Washington, D. C.

Help Wanted—An active young man with 2 years' experience in general greenhouse work; one with some knowledge of vegetable growing preferred; must be willing to work; send references and wages expected with board.
E. F WALTER & SON, Junction City, Kas.

For Exchange—Strong field grown bulbs, Narcissus paper white; want rooted carnation cuttings, Mrs Lawson, Lady Bountiful or Eldorado. Sample sent by mail
REDONDO IMPROVEMENT CO., Redondo, Calif.

Wanted to Buy—Good retail establishment in middle states near good size town with good chance for enlarging for wholesale trade; only parties meaning business need answer; give full particulars, Key 484, care American Florist.

For Sale—27,000 feet of glass, filled with first-class stock; located in one of Chicago's suburbs; low price. Address MRS. HUBERT HANSEN,
4016 N. Clark St., Chicago.

For Sale—Do you want to go west and coin money in the greenhouse and florist business? Capital required, $3 000; can be cleared every year. IRA B. STURGES, Baker City, Ore.

For Sale—20,000 square feet of glass, well stocked; three acres of ground; six-room house; all modern, in good condition, and a money-making place in best city of Indiana; $4,500 required. Details to parties meaning business.
Key 427, care American Florist.

For Sale—Greenhouses and stock; about 20,000 feet of glass, well stocked with all kinds of bedding plants, ferns, palms and cut flowers; for terms inquire of Mrs Hugo Book, College street, Worcester, Mass., or L. Midgley, Worcester Conservatories, Worcester, Mass.

For Sale—A retail florist business consisting of 4500 feet of glass, well stocked, store building with living rooms above; on 2 lots 44x136 feet located in the heart of a residence city; county seat of 10,000 inhabitants less than 50 miles from Chicago with good surrounding towns. Address
Key 434, care American Florist.

For Sale—A retail florist business, 5 greenhouses, about 5000 feet of glass, store, barn, 8 room house, lot 100 feet front, over 200 feet deep, located in fine neighborhood; a good opportunity for two young men who understand the business, with small capital to start; good reason for selling; party must have $5,000, balance to suit purchaser.
G. F. THRUN, 8707 Cedar Ave., Cleveland, O.

To Lease or Run on Shares.

The owner of a small nursery and well stocked greenhouse and flower shop now doing business in Northampton; will make a liberal business offer (based on lease or shares) with an enterprising nurseryman and florist of training and experience. Apply to the

Home-Culture Clubs. Labor Exchange,
Northampton, Mass.

Situation Wanted.

As foreman by a young man with long all around experience; capable of taking full charge; used to growing high-class stock for best wholesale and retail trade; good grower of Beauties, other roses, carnations, pot plants and nursery stock; familiar with greenhouse building, installing of heating plants, etc. Permanent position; good treatment and good wages expected; sober, good worker, American state wages.
Horticulturist, Gen. Del., Fairfield, Conn.

FOR SALE or to LEASE.

Located fifty miles from Boston on the main line of Boston & Albany R. R.; 40 acres of land with house and stable; two rose houses 204x36; plant house 14x36; two steam boilers. Rose houses are at present producing exceptionally fine flowers. This place will be sold for very reasonable figure. Possession given any time after April 1st. Apply to

P. WELCH of Welch Bros.,
226 Devonshire St., BOSTON, MASS.

Roses Enough for All.

LONG BEAUTIES AND CARNATIONS, TOO.

And remember we grow our own **Lily of the Valley, Mignonette, Freesias, Tulips, Daffodils,** and all other seasonable flowers. Special low prices on all kinds of stock.

See Superior Quality of Stock For yourselves. Visit Our Greenhouses when you come up to the **Rose Show Next Week**

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BRONZE GALAX, best quality...$8.50 per case, 10,000 **GREEN GALAX,** best quality...$7.50 per case, 10,000
DAGGER AND FANCY FERNS.....$1.50 per 1000
Laurel Festooning, Boxwood, Southern Wild Smilax, Sphagnum and Green Moss, Leucothoe Sprays, etc.

15 Province St. and 9 Chapman Place, BOSTON, MASS.

Succulent Plants.

ILLUSTRATIONS ON PAGE 376.

One writer has described succulent plants as the caricatures and cartoons of the plant world and such they are in many respects. Their many and varied forms are decidedly striking as compared with the rest of the vegetable world. A few, indeed, have gorgeous, waxy, delicately tinted flowers and the flowers of all are beautiful though for the most part they are too small to be attractive. So, after all, it is the grotesque forms of the plants themselves that attract one's eye. To many people cacti—a name quite commonly applied to all succulent plants, regardless of their botanical relationships—give an impression of ugliness and repulsiveness. Many who at first held this antipathy, afterwards, through closer association with the plants, have become attached to them through observing the perfect symmetry of their plans of growth. They discovered that in the mammillarias, for instance, the little tubercles, occupying the entire surface of the plant are arranged in a definite and pleasing pattern; that at the summit of each tubercle is a cluster of spines not thrown in in a haphazard manner, but regularly arranged in perfect symmetry. Among the agaves they have noticed that there is not only a great variation in the color and forms of the leaves but that the margin of the leaf for each species shows characteristic features. One is entirely without spines while another is furnished with spines quite regular in form and set at quite regular intervals. These may be straight or curved, pointing outward, upward, or downward, varying with the species. So it is with all the other subgroups of succulents. Each has its interest emphasized by comparison with other similar forms.

Ever since these oddities of the vegetable world first came to the notice of plant lovers there have been those who were so interested by them that they have gathered together most interesting collections. Such collections have become quite common in Europe and today there is a goodly number in America. Already these collectors have reached a number sufficiently large to warrant several commercial growers in making a specialty of furnishing this class of plants to the trade. This interest in these plants is manifoldly increased if one has the conveniences for growing the plants from seed. The marvelous diversity of forms among adult plants is surpassed by the additional marvelous manner in which these have developed, through successive changes, from very small seed.

The accompanying figure of Mesembryanthemum tigrinum serves well to illustrate one type of succulents—one in which the fleshy leaves constitute the bulk of the plant. In most instances the common name applied to a plant designates its resemblance, in some portion, to its namesake. In this particular plant the form of the leaves, their position on the stem and the marginal row of fang-like processes clearly explain the name "tiger-jaw." Close allies to this are the "cat-jaw," "dog-jaw," etc. To this same type of succulents belong also the agaves (century plants), aloes, haworthias, gasterias and echeverias. The second great division of succulents comprises those with a thick, fleshy, stem, with leaves very much reduced in size or entirely absent. This division is made

Fancy and Dagger FERNS $1.75 per 1000
Discount on large orders.
New Crop Galax, Bronze or Green, $1.25 per 1000: 10,000, $7.50. **Wild Smilax,** 50-lb. case, $6.00.
Sphagnum Moss, large bales.....$1.25
Leucothoe Sprays.....$1.00 per 100; 1000, 7 50
Boxwood.....35c per bunch; 50 lbs., 7.50
Florists in the Middle and Western States can save money by placing their fern orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,
WHOLESALE COMMISSION FLORISTS,
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Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe, Ferns, Mosses and all Decorative Evergreens.

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Write for prices for what you want.
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Wholesale and Retail Dealers in all kinds of
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Fancy and Dagger Ferns, Bronze and Green Galax,
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and all kinds of **GREEN GOODS.**

Brides and Maids

From Grafted Plants Are much finer in the spring than own-root stock, for the grafted plants have rested during the winter. All of our

Maids, Brides, Richmonds and Killarneys

are grafted plants. Our **Beauties** have started on the new **spring crop of flowers and are exceptionally fine.** Plenty of **Greens, Carnations** and **Bulb Stock.**

Visitors to the **Flower Show** are cordially invited to visit our greenhouses.

BASSETT & WASHBURN,

Greenhouses: Hinsdale, Ill. **Store: 76 Wabash Ave , Chicago.**

up chiefly of three groups—the euphorbias of Africa and India, the stapelias and their allies of Africa and the cacti of America. They all have a similar habit of growth and are natives of regions of similar climatic conditions.

Probably no one other family of plants produces such a variety of forms in the plant itself as does that of the cactaceæ. As their name implies the mammillarias are the "nippel-cacti"—referring to the regularly arranged tubercles on the plants' surface. The "living rock" with its apparently dry and fissured tubercles resembles nothing so closely as a handful of pebbles. The dumpling cactus is also a self-explanatory name, as is that of bishop's cap. The Turk's head is a spherical plant surmounted by a large oblong or round growth which is covered with a felt-like wool of a reddish color, altogether not unlike the Turkish cap. Fish-hook cactus has reference to those in which some of the spines are curved at the end in the form of a hook. Others of this group grow large and tall like the giant cactus of Arizona which reaches a height of 50 feet. Others grow more slender and are climbers, climbing to the tops of very tall trees. To this group belong the popular night-blooming cereus and kindred plants, with their gigantic, fragrant, white flowers. Not all cacti are desert plants by any means. One group of a considerable number of forms, is strictly tropical and like its neighbors, the orchids and bromeliads, grows high up on the trunks and branches of trees, and, like them, are air-plants. Among the individuals of this group is to be found the rat-tail cactus, the crab or Christmas cactus, and the mistletoe cactus. This last grows in great clusters clinging for support to the branches of trees. Its stems are small, smooth, slender and round. In every way this plant so strikingly resembles its namesake that it is not at all strange the early botanists considered it a true mistletoe.

And so the list of common names might be prolonged but these suffice to show how varied are the forms of plant growth and it is this peculiar variation which becomes the attractive feature of the succulent plants in all divisions. Occasionally a person may be found who will grow a night blooming cereus for many successive years, solely for the pleasure of seeing it unfold its wondrous flowers one night only during the year, but as a rule this group of plants is not grown for the beauty of its flowers but more for the fascinating character of the plants themselves.

The comparative ease with which these plants may be grown, their fewer demands for constant care and attention, recommends them very highly as house plants. In the summer months they may be placed out in the open and in winter they are content with a small space at the window. A very interesting small collection may be planted in one vessel. Such a group is shown in the accompanying illustration. This has the advantage of being readily moved from one place to another. The greater surface, allowing the roots to spread out horizontally, even though they intermingle, has many advantages over growing each plant in a separate pot. When such a miniature collection is artistically arranged it may occasionally be taken from its place behind the window curtain and preside with grace at the center table.

C. H. T.

London.

At the meeting of the Royal Horticultural Society, March 3, Geo. Mount received a silver floral medal for the new rose Joseph Low, grown by Lowe & Shawyer, a very fine rose of great depth and color, with a good perfume. A good stand of Richmond was also shown and for comparison, one vase of Liberty was put up, but was not in it with Richmond. Low & Son were given a silver flora for a good collection of carnations, pot and cut. Aristocrat was the best yet seen here. Helen M. Gould, Victory and Mrs. Burnett were also of high quality. H. Cannell & Sons, Swanley, were awarded a silver flora medal for fine Primula stellata.

At Covent Garden trade is good, especially in foliage and flowering plants which are abundant. The best azaleas are worth up to $3 each. Climbing roses sell at $7.50 per dozen. Good long stemmed Richmond roses are worth $3.25 per dozen. Hampshire White sweet peas are in at $1.25 to $1.50 per dozen small bunches. Asparagus is very scarce and maidenhair fern is worth $1.75 to $2 per dozen bunches. French flowers arrived in large quantities, this week totalling 22,500 packages. S.

French Horticulture.

FROM THE FRENCH TRADE PAPERS.

THE CHEVRIER BEAN.—Since 1878 a very large proportion of the market garden tracts south of Paris have been devoted to the so-called Chevrier haricot, an ordinary flageolet bean grown and cured in such a manner as to retain when ripe a fine green color and give the consumer the illusion of the fresh product, after having been soaked in water for 24 hours and cooked in the ordinary manner. These beans are served the year round in all restaurants and hotels, and no one suspects that he is not eating the fresh vegetable. Its discovery was purely accidental. Pere Chevrier happened to cover with straw some plants which had been pulled and left to dry; five or six days later he uncovered them and found the opened pods to contain beans of a fine green color, which, also by accident, he dried in the shade. Finding that they retained their color and germinating power, he introduced them as a new variety at one cent per seed. Since that time the demand has grown enormously, 50,000 sacks a year being grown in the Seine-et-Oise alone. The pulling and curing, as well as the picking, must be done by careful and experienced people, no machine having been found which does not bruise the beans. They are beaten with the flail and hand-picked, all white or mottled ones being discarded. In 1904, a considerable sensation was caused by the discovery that sometimes the green color of the Haricots Chevrier was increased by chemical means. Nevertheless it is now one of the principal items in the fastidious Paris market.

NEW HYBRID FREESIAS.—The introduction of Freesia Armstrongi from South Africa, a rather small pink variety, with white tube, shaded orange and not fragrant, has made possible some very interesting hybridization, and a race of brilliantly colored freesias has resulted. Hybrids of F. refracta, F. refracta alba, F. Leichtlini and others with the new F. Armstrongi have been shown by Van Tubergen of Haarlem and M. Ragionieri of Florence, which have attracted much attention and promise to become very popular in England and France. They were illustrated in a colored plate recently in the Revue Horticole.

THE FLOWER TRADE IN PARIS.—The French capital is one of the greatest markets in the world for flowers and plants. The central market, 10 flower markets in different quarters, 500 flower

Fancy Carnations

We have big cuts of the Finest Carnations seen on this market in years; our prices are down to $1.50 to $2.50 per 100, according to grade. LONG BEAUTIES also in good supply. ROSES, of A1 grade and in good crop. Note the following prices:

	Per doz.
American Beauties, extra long stems	$4 00
30-inch stems	3 00
24-inch stems	2 50
20-inch stems	2 00
18-inch stems	1 50
15-inch stems	1 00
12-inch stems	75
8-inch stems	50

	Per 100
Bride,	$ 6 00 to $ 8 00
Bridesmaid, fancy	6 00 to 8 00
Killarney, fancy	8 00
" good	5 00 to 7 00
Kate Moulton, fancy	8 00
" " good	5 00 to 7 00
Richmond, fancy	8 00
" good	4 00 to 6 00

	Per 100
Chatenay, fancy	$8 00
" good	$5 00 to 6 00
Uncle John, fancy	6 00 to 8 00
Perle	4 00 to 8 00

ROSES, Our Selection, $4.00 per 100

	Per 100
CARNATIONS, fancy	$2 50
" good	1 50

All other stock at lowest market rates. No charge for packing. Prices subject to change without notice.

WIETOR BROS.,

Wholesale Growers of..... CUT FLOWERS 51 Wabash Ave., CHICAGO

stores and numerous little stalls supply the Parisians with their blossoms. The local markets are held twice a week, and the Quai Aux Fleurs alone receives 200,000 flowering plants a day. These plants are grown mostly in the outskirts of the city and special plants and flowers are sent from the south, from Nantes, Orleans, Angiers, and even Belgium and Italy. It is estimated that 30,000,000 potted plants are used annually in Paris.

ROSE ERRINNERUNG AU BROD.—This is a Hungarian climbing rose, dating from 1886, growing about seven feet high, strong, foliage dark and vigorous, flowers medium to large, fragrant, purplish blue or violet with darker center. It certainly verges on a genuine blue. At a recent French rose show, the Paris journalists announced that the blue rose had arrived, and it was visited by throngs of the curious.

ROSE SHOW.—An exhibition of the new roses of 1907-8 will be held at the public rose garden in Paris the first two weeks of June. Invitations have been sent to all rosarians obtaining new varieties to send plants for competition, which will receive proper care and be judged during the exhibition by a competent jury appointed by the municipal authorities of Paris.

TO HASTEN THE GROWTH OF BRUSSELS SPROUTS.—Market gardeners may profit by the experience of some French growers, who select from among their Brussels sprouts the best developed plants, and by removing the heart of the leaf growth, divert their strength to the partially formed rosettes and considerably advance their season.

ASTILBE HYBRIDA.—This is a pink-flowering variety introduced by M. Lemoine and is the result of fertilizing a cross of Astilbe Sinensis x Lemoinei with pollen of A. Davidi. It is as bright a pink as Davidi but the foliage is handsomer and the inflorescence larger and more compact. It is expected to have a great future.

CATS IN MISCHIEF.—Is it true, as stated in a French horticultural paper, that cats have a decided liking for Actinidia polygama, and will devour all the young shoots within their reach?

QUERIES.

Greenhouse Heating.

ED. AMERICAN FLORIST:

Will a cast iron boiler containing five sections, length, 38 inches; foundation, 31x35 inches; fire pot area, 25x28; outlets 2-4 inches; total height, 52¼ inches; total width, 36 inches; size of smokepipe, 10 inches heat to 60° 5,000 square feet of glass with zero outside? I. B. A.

So much depends upon the arrangement and amount of fire surface that no exact reply can be given, as the only figures that apply of those given are the dimensions of the grate. In most cases 4,000 square feet of glass would be a maximum for a 25 by 28-inch grate.

L. R. T.

Greenhouse Shading.

ED. AMERICAN FLORIST:—

What is the best and cheapest shading for a greenhouse, easy to apply and remove? SUBSCRIBER.

Thin lime wash is the cheapest shading and may be applied or removed very easily. To large houses difficult to get at it may be applied with an old syringe, but can be more regularly applied with a brush. Do not use it hot and let it be thick or thin as the occasion demands.

G.

Cucumbers Under Glass.

ED. AMERICAN FLORIST:—

I planted a house of lettuce this fall and wish to grow cucumbers after the last crop of lettuce is cut. Kindly explain the planting and culture. B. A.

It is customary to plant the seed in 4-inch pots, placing them where they will have a temperature of 65°. This can generally be secured in a lettuce house, but shutting off with hotbed sash a portion of one of the benches in the warmest part of the house, or a manure hotbed could be made in the house, if the desired heat could not be obtained in this way. When the lettuce is taken off transplant to the benches, giving each plant six square feet. L. R. T.

Water for Greenhouse Crops.

ED. AMERICAN FLORIST:—

I am sending you an analysis of the city water here and would like the opinion of an expert as to the effect of this water on roses, carnations, palms and ferns and general stock. Do you consider this water as good as rain water?

	Parts 100.	Grains per Gal.
Silica	5.50	3.20
Iron	1.50	0.87
Lime	10.25	5.98
Magnesia	3.62	2.11
Sulphuric Acid (not free)	5.14	3.00
Chlorine (not free)	2.04	1.22
Carbonic acid and alkali	6.85	9.82
Total solids	44.90	26.20

INQUIRER.

Kearney, Neb.

The water in question should not give any bad results when used on greenhouse stock. It only contains very small quantities of the salts that are considered to be injurious to vegetable life. Rain water is of course purer than this water and would practically not contain any salts at all. H.

Heating Rose House by Hot Water.

ED. AMERICAN FLORIST:—

Please tell us how many runs of 2-inch pipe will heat two rose houses and two carnation houses 21x100 feet, even span, with 2-foot cement wall and four feet of glass all around, the temperature going to 17° below zero occasionally. Economy considered, should we put boiler in center and heat both ways 50 feet or will hot water travel 100 feet and back without losing efficiency of last part of returns? Can we get as good service from flows under benches as along eaves or side glass as if we carry them high up in gables? How much below returns should top of boiler be? Our ground has three feet fall. Should we use all this fall in flows and returns or should they lay level with all the fall at boiler? How many returns will a 2-inch flow feed, 50 or 100 feet? Is it economy to use same size flow as returns and use more of them? Have been told that by using valves on returns so as to contract capacity of returns at boiler, we can use steam in severe weather and hot water in mild, saving many runs of pipe. Is this practical? T.

For a house such as described it should be possible to maintain a temperature above 60° by using four 2½-inch flows and 16 2-inch returns, or it could be done with 21 2-inch pipes of which seven should be flows.

In the carnation house, four 2½-inch flows should be used with 12 2-inch returns, or the same temperature could be maintained by means of 18 2-inch pipes, including six flows. For houses 100 feet long it will be better to have the boiler at one end. While the circulation will be somewhat better if the flow pipes are in the ridge, it will answer if one flow is placed upon each of the plates and the others about nine feet from the ground. It is always desirable to have the lowest part of the coils three feet above the top of the boiler, but less than this would answer. The fall given to the pipes does not help the circulation, provided it is sufficient to free the pipes from air. In fact it is better to carry the pipes with a slight fall, keeping them as high as possible, rather than give them a steep pitch and bring them to the level of the boiler.

If the flow pipes are as high as the plates it will be better if they are given a slight fall rather than to have them rise, the average height being the same in both cases. A 2-inch flow pipe, 100 feet long, should not supply more than two 2-inch returns, unless at a considerable elevation. As a rule, for houses of this length it will be rather better to use one 2½-inch flow for four 2-inch returns. Of course steam requires considerably less radiation than hot water, but it could be arranged by using 2-inch flows and 1½-inch returns. Valves should be placed upon both ends of about one-half of the returns, and a water column, steam gauge and safety valve will be required for the boiler. L. R. T.

WE ARE ON WITH A BIG CROP OF

EXTRA FANCY RICHMONDS

All other **Roses** in big supply. **Carnations,** too, are in full crop with us.
We can take care of your orders, large or small. Let us have your regular orders.

OUR PRICE LIST.

	Per doz.
American Beauties,	
Extra long stems,	$4.00
30-inch stems	3.00
24-inch stems	2.50
18-inch stems	2.00
15-inch stems	1.50
12-inch stems	1.25
Short stems	.75 to 1.00

	Per 100.
Mrs. Marshall Field and Killarney.	
Best	$10.00 to $15.00
Short to medium	6.00 to 8.00
Liberty and Richmond	
Best	8.00 to 10.00
Short to Medium	5.00 to 7.00
Golden Gate Select..	8.00 to 10.00
Short to medium	4.00 to 6.00
Perle	4.00 to 8.00

	Per 100
Chatenay Select	$10.00 to $12.00
Short to medium	6 00 to 8.00
Bride and Bridesmaid	6.00 to 10.00
Sunrise	6.00 to 10.00
Uncle John	6.00 to 10.00
Ivory	6.00 to 10.00
Carnations	1.50 to 2.50
Lily of the Valley	3.00 to 4.00
Asparagus Plumosus	2.00 to 3.00

ROSES, OUR SELECTION, short to medium stems, all fresh stock, $4.00 per 100.

CARNATIONS. Well Rooted Cuttings. Ready for Shipment.

PINK.	Per 100	1000
Lawson	$1.50	$12 50
Enchantress	2.00	15.00

WHITE.		
White Lawson	$2.00	$15.00

RED.		
Robt. Craig	$2 50	$20.00

Rose Cuttings.

Strong, well rooted Cuttings.

	Per 100	1000
Ivory, Richmond, Chatenay and Uncle John	$1 50	$12.50
Sunrise and Kate Moulton	3.00	25 00
Perle	2.00	17.50

American Beauty, bench plants, now ready **$10** per 100; **$75** per 1000.

PETER REINBERG, 51 Wabash Ave., Chicago.

Gardenias.

The chief requisite for gardenias is a constantly hot and moist house. Plants in a dry or cool structure never make satisfactory growth; they are stunted, often insect infested and in every way unsatisfactory. Old fashioned gardeners used always to like their gardenias in a house heated by manure—a forcing pit as it was called—but doubtless the reason for their success in this class of structure was simply the hot and ammonia-laden atmosphere, caused by the fermenting material, and an atmosphere strongly impregnated with ammonia is doubtless the best for these plants. Growth is quick; fine stems and foliage are produced and the flowers are large and of good substance. It is necessary to be always bringing along young stock to take the place of old and worn out plants, and semi-ripened shoots without flower buds strike readily in brisk bottom heat at any time. These may be potted when rooted, grown briskly along until they fill 4-inch pots with roots and planted out on a bench of firm soil. This is really all there is to the culture of this plant, strong heat and moisture and a constant succession of young growth. When plants get old and hard and do not throw up strong shoots from the base turn them out, clean the benches thoroughly and start a new lot in firm rich soil. The plants when well established like plenty of feeding, the ordinary liquid manure, changed when necessary to soot water, being as good as anything. Damping with soot water is also excellent practice, this being good for the foliage and helping to keep ammonia in the atmosphere as noted. Although shading is required for young and recently potted plants the mature growth will stand almost complete exposure to sun. When the flowers are forming and just before they show color light shade and a rather drier atmosphere are necessary or the flowers will turn brown.

Lily of the Valley for Easter.

Where space is limited, and a large cut is needed for Easter, smaller batches of lily of the valley may be planted for the next week or 10 days, thus leaving room in the frames for a large lot about 25 days before it is wanted for cutting. With a bottom heat of 80° the flowers will be in plenty of time to get thoroughly finished. Without doubt many growers change the sand in the forcing beds too often. Although it may seem a minor point, there is no doubt that old sand that has been used several times fills in more firmly about the roots than new and is superior in every way. There is no need for changing as long as it keeps sweet but should it sour or become infested with mould or fungus then get it out at once, clean the frames well and renew the sand. After planting give a thorough soaking of water and cover up with shutters to keep the interior perfectly dark. The pips must be kept quite dark until the flower is well thrown up above the foliage when the shutters may be tipped a little for a couple of days then replaced with frames covered with light muslin through which sufficient light filters to gradually bring the green tint to the foliage. In a few days these may also be removed and the plants will stand the full light. Never purchase any but the best pips; there is no saving but the reverse, in buying second rate stock and getting perhaps three out of five fair flowers and the others waste.

Sowing Annuals.

A good start in life is as necessary for an aster, a zinnia or any other annual plant as for the choicest rose or carnation. And such an abundance of fine salable stock can be cut from good strains of annuals later on that it pays to take all the care necessary to obtain best results. Sow the seed thinly, on benches if a large quantity is needed, in flats if less is required in a temperature of 60° or thereabout. Before sowing thoroughly soak the soil right through and when the surplus water has run off sow the seed. Cover this with a thin scattering of sandy soil, about one quarter of an inch being ample for almost any seed, and cover this with some loose material, newspapers or shutters, until germination takes place. Watch the seeds closely, however, after the first few days and see that the covering is removed directly signs of germination appear, or the young seedlings soon become drawn and useless. It will be necessary to keep the plants cool in an airy house, right along, so as to have sturdy stock for planting out at the proper season. As soon as the rough leaf appears the young plants should be pricked out in cool frames or on benches in a cool house. If they get starved or drawn up in the seed bed they soon run up to flower and are useless. Seed sown now will produce plants in ample time for planting outside and these will be more satisfactory than others from earlier sown seed kept littering about the houses for months.

Chicago.

TRADE SLOW, PRICES WEAK.

The market at present is in a deplorable condition—all wholesalers' ice boxes being full to overflowing. The quantity of flowers of all kinds coming into the market has never been equaled at this time of the year. Prices are far below those of any previous March and some absurd prices are being quoted. White stock has moved fairly well for dyeing purposes for St. Patrick's Day with a little stiffer price than could be obtained for colored stock. The American Beauty rose crop is coming heavier day by day and long stemmed stock is of excellent grade; medium and short stemmed have improved very little. Richmond roses, too, are coming in larger numbers and for the main part are excellent in quality. The demand for Bride is better than for Bridesmaid on account of funeral work, but the latter are exceptionally fine for the time of year, have excellent color and long, stiff stems. Killarney is not quite as much in evidence as it has been. Prices of all varieties are at rock bottom. Easter lilies have been coming in very freely with almost no output. Southern daffodils have appeared which help to increase the glut in bulbous stock. Single violets, while low in price, are beginning to lessen in quantity. Fancy ferns are better than in any previous spring and there is a very good supply at $2 per 1,000. There has been a quantity of very finely grown shamrock plants in 2½-inch pots which found a ready sale at $10 per 100.

FRIDAY, THE THIRTEENTH.

"I knew if they got me in here today things would go hard with me," murmured George Rozakles, otherwise known on the market as "Greek George," a florist in McVicker's building, as he left Judge Hume's courtroom March 13. "Thirteen always was my bugaboo."

Bassett & Washburn, wholesale flower dealers, have a judgment against Rozakles for $200. When questioned by Attorney Harry A. Biossat he acknowledged he had a watch, stick pin, ring, household furniture, one suit of clothes, a wife and eight babies.

"What have you in your store?"

"Nothing but flowers."

"Your honor," said the attorney, "we ask that the flowers be turned over to the bailiff to be sold for my client."

"All right," said the judge, "but they'll wilt before you can sell them."

REINBERG'S "CAMPAIGN BEAUTIFUL."

A new phase of the "campaign beautiful" is being introduced to voters of the Twenty-sixth ward by Ald. Peter Reinberg, democratic candidate for re-election, who won national fame four years ago as the "carnation candidate." Determined to uplift his constituents, while soliciting their votes, the alderman has added to his distribution of flowers a series of grand opera parties which is giving 2,000 residents of his ward an opportunity to hear the singers of the Metropolitan opera company now at the International theater. Every visitor to the theater is also given a carnation as a reminder that Chicago has an exponent of the "campaign beautiful."

TRIBUTE TO THE LATE R. H. WARDER.

Memorial services for former superintendent, Reuben H. Warder, of Lincoln park, were held last Sunday at the Academy of Science building. Bryan Lathrop, former president of the park board, presided and other speakers were: Franklin H. Head, Judge Howard C. Hollister, of Cincinnati, O., J. Frank Foster, superintendent of South park, and Slason A. Thompson, whose address will be found in another column of this paper. Francis T. Simmons was the bearer of a letter from Jens Jensen, of the West parks, and O. C. Simonds of one from Chas. W. Garfield.

NOTES.

E. E. Pieser, of the Kennicott Bros. Co. says that present market conditions demonstrate the necessity of wholesalers getting together to hold the market to some reasonable price for stock and again advocates that they meet and prescribe some method of enforcing the observance of certain minimum prices for various classes of stock. He does not think that any appreciably large lots of stock are moved on account of their low prices, but that a better return could be secured to all parties by a little concerted action.

The rose show committee of the Florists' Club met at noon, March 16, at the Union restaurant. Chairman Aug. Poehlmann, N. H. Carpenter, Leonard Kill, Geo. Asmus, J. C. Vaughan, J. H. Burdett, W. N. Rudd and T. E. Waters were present. Arrangements were made for some poster publicity, and Mr. Burdett reported that the newspaper work had started. Chairman Poehlmann stated that the outlook was favorable for a grand show.

Louise Malcher on the occasion of her birthday last Saturday was the recipient of a huge bouquet of every kind of flower now on the wholesale market, including Bride roses dyed green, with the compliments of the office force of Bassett & Washburn. The lady reciprocated with a decanter of wine and an apple streudle.

E. R. Chappell, who has been employed by C. A. Samuelson for the past five years, has accepted a position with Clark Bros., 289 Morris St., Portland, Ore., and left Chicago, February 14. He was formerly employed by Mann & Brown, Richmond, Va.

Lacey Young, who intended to return to Michigan last week, after being confined to his room with grip, is now suffering from rheumatism, and on Tuesday was removed to the Drexel hospital at Forty-first street and Drexel boulevard.

M. H. Mann, of Zech & Mann, is trying out two new popular carnations. From Jensen & Dekema he has just bought a lot of W. N. Rudd's Defiance, and from the east he has had shipped a similar lot of R. Witterstaetter's Afterglow.

E. C. Amling says that sweet peas are a grand sight at the greenhouses of three or four of his growers, and the display on his counters just after he opens his stock each day bears out the statement.

Weiland & Risch have just invested in 1,500 boxes of glass, with the view to erecting a new range on land recently acquired adjoining their present establishment.

The A. L. Randall Co. is right in line for a big Easter trade in florists' supplies; the firm is daily expecting the arrival of three large shipments of Easter baskets.

Louis Winterson's familiar face is again seen at the E. F. Winterson Co.'s place. He has been west for the past nine months, and returned March 11.

The Eaton Flower Shop on Saturday closed a lease for another two years for the place at the corner of Jackson boulevard and Plymouth place.

Chr. Lund, of Wausau, Wis., was in the city this week arranging for the exploitation of his patent "Common Sense" carnation support.

The J. B. Deamud Co. is receiving heavy consignments of stock and is shipping out of the city some very large lots of carnations.

WEILAND -AND- RISCH
Wholesale Growers and Shippers of
CUT FLOWERS
59 Wabash Ave., CHICAGO.
'Phone Central 879.
Write for our wholesale price list.
WHOLESALE FLORISTS

Kennicott Brothers Company,
WHOLESALE
CUT FLOWERS.
48-50 Wabash Ave.,
CHICAGO.

Klehm's Novelty Tulips
50 in the box, $2.00 per box.

We will have anything in the line of
Cut Flowers and Greens
that you may want if anybody has at Chicago market prices on day of shipment.

KENNICOTT BROS. CO.
L. D. PHONE, CENTRAL 466.
48-50 Wabash Ave., CHICAGO.

"THE BUSIEST HOUSE IN CHICAGO."

J. B. DEAMUD CO.

—FOR EASTER—

EASTER LILIES, BULB STOCK,
CARNATIONS, ROSES.

—BOOK YOUR ORDERS NOW.

Long Distance Phone
Central 3155.

51 Wabash Ave., Chicago.

Lily of the Valley

Surplus of Early Forcing Pips.

$10.50 per 1000; $25.00 per case of 2500; $1.50 per 100.

These Will Be Splendid

FOR EASTER FORCING,

and will make very desirable Easter plants with 12, 25 or 50 in a pot or pan.

ORDER NOW.

Finest Cold Storage Pips, $14.00 per 1000; $1.75 per 100.

Fancy Cut Valley Always on Hand.

H. N. BRUNS,

1407-1411 W. Madison St., CHICAGO.
Long Distance Phone, Kedzie 1196.

Roses,
Violets, Carnations
and other
CUT FLOWERS of best quality

E. H. HUNT

—SEND FOR PRICE LIST.—
76 Wabash Avenue, CHICAGO.

Florists' Supplies
AND
Novelties.

Chas. W. McKellar

51 Wabash Ave.
CHICAGO.

ORCHIDS
A Specialty

Fancy Stock in VIOLETS VALLEY, ROSES, BEAUTIES, CARNATIONS and a full line of all Cut-Flowers, Greens, Wire-Work and FLORISTS' SUPPLIES.

Send for Complete Catalogue.

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO Mar. 18.

Rose, Beauty, extra fancy	4 00
" " 24 to 30-in. stems.	3 00
" " 12 to 20-in. stems.	1 25@ 2 00
" " Short stems	75@ 1 00
" Killarney	6 00@12 00
" Bride, Maid Ivory Gate	4 00@ 8 00
" Liberty, Richmond	6 00@10 00
" Chatenay, Perle	4 00@ 8 00
Carnations	1 00@ 2 50
Violets	25@ 50
Lilium Harrisii, per doz.	1 00@ 1 50
Callas, per doz.	1 00@ 1 50
Lily of the valley	2 00@ 4 00
Smilax, per doz.	2 00
Asp. Plu. & Sprengeri bunch	.50
Asparagus strings, each	50
Adiantum, per 100	75@ 1 00
Leucothoe sprays	50
Ferns, per 1000	2 00
Galax, green, per 1000	1 00
" bronze, per 1000	1 50
Boxwood, per bunch	35

E. C. AMLING

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

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CHICAGO.

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Wholesale Florists

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Telephone, Central 3284.

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WRITE FOR SPECIAL PRICES.

DAILY SHIPMENTS OF

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From 40 to 60 Growers.

"Greens" Our Specialty.

E. F. Winterson Co.,

45-47-49 Wabash Avenue. CHICAGO.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of CUT FLOWERS

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

Fancy White Lilac
$1.25 per bunch; 5 bunches for $6.00.
Our present White Lilac is very fine stock.
EXTRA SELECT ROSES,
$6.00 and $8.00 per 100.

EASTER.
Remember our **Longiflorum Giganteums** for Easter are packed in original packages at the greenhouse, thus avoiding bruising by rehandling, and are the best on the market. Write for quotations now.

A. L. Randall Co. 19-21 Randolph St., **Chicago.**

Chicago Notes.

The plant of J. F. Kidwell, at 3806 Wentworth avenue, is showing a fine lot of pot stock. Thousands of pterises in 2-inch pots are coming along in fine shape. Nephrolepis Whitmani is a grand sight as here grown, it being a favorite of Mr. Kidwell's in this class of stock. He says the new firm in which his son Frank is interested will be known as Kidwell & Ellsworth. Five houses of their new range at Belmont, not far from Hinsdale on the C., B. & Q., are already completed and work will now be rushed on four more houses, all 27x200 feet.

The Poehlmann Bros. Co. is cutting fine lots of long-stemmed American Beauty roses. Mrs. Potter Palmer rose is also showing fine form and color.

At Geo. Reinberg's Richmond roses never looked better than now; all have long straight, stiff stems and perfect flowers.

Wietor Bros. report a very heavy carnation crop still on with Bride and Bridesmaid roses just nicely coming into crop.

The sudden death Tuesday morning of Alfred Hildred, of 3030 Indiana avenue, is noted in our obituary column.

O. P. Bassett and wife are due to arrive home Sunday after their winter's sojourn at Pasadena, Cal.

Visitors: Wm. Edlefsen and Radeke, Milwaukee, Wis.; Chr. Lund, Wausaw, Wis.; H. E. Philpott, Winnipeg, Man., Wm. Lindsay, Birmingham, Ala.

Toledo, O.

Business has not been very good with the retailers, but in general there is little complaint. Prices for flowers have been low, especially for bulbous stock, so that wholesalers realize little or no profit from them. "I guess I won't grow them any more another year," is heard rather often.

NOTES.

The club members paid visits recently to four different florists. C. Kaminski was the first one on the list. He has two houses and grows miscellaneous stock, as every retail trade demands. His carnations and roses looked well and also his bedding stock. John Gratopp has quite a range and a reputation as a first class carnation grower; the carnations looked well but will soon have to make room for cucumbers. He says it pays him better to grow cucumbers in summer than bother with carnations, when they are cheap. He has added, last fall, a large house, 41x125, which is intended for roses; for the present it contains lettuce. Harry Heinl's place was in fine order; carnations and roses are his main crops, besides material for the store. Large quantities of bedding plants are raised here every year, which are sold at planting season for five cents each. He has a lot of very nice hydrangeas coming on for Easter; antirrhinums are grown here to perfection. Harry is a great believer in pot grown carnations, and he certainly can show the stem. Chas. Koelker & Sons was visited last and the boys have the place in good order. Roses and carnations take up four houses and two houses are devoted to miscellaneous stock for their retail place.

The recent floods here, when the weather opened up last week, have caused considerable damage and J. Fischer, whose greenhouses are located rather low, has our sincerest sympathy. His boiler room was full of water for two days. No fire could be kept going. Fortunately during that time the weather was mild and no loss from frost is reported. One of his houses with carnations in solid bunches, was under water, covering the plants for about 18 inches.

The Schoen Floral Co. has removed to 409 Adam street, not very far from its old location. Its new store is decidedly larger and also better located.

O. B. Wisner has closed his city store this month and will devote his entire time to his greenhouses, with which a store is also connected. SCH.

Dayton, O.

We have recently experienced some real spring weather, the temperature for about a week 60° outside and 50° at night. Bulbous stock that was to be for Easter began to draw through the covering to an alarming extent, so much so that many had to get their full force out and place it in the open to save it at all, with light covering of boards to keep the stock dark and cool. This is the warmest winter we have had in years; one scarcely knows how to manage. Lilac, hyacinths, tulips, etc., will be in bloom naturally, if this weather continues. Business in general is not discouraging. We are helped with a continuous call and good demand for funeral arrangements. Good flowers of most any variety and color are sought for in this locality for funeral purposes, from the whitest flower to the reddest one.

NOTES.

At a recent funeral flowers were strictly forbidden; the deceased belonged to eight organizations and they sent such an array of flowers that the casket was almost hidden from view. The emblems were very elaborate and required the two largest floral wagons of Matthews, the Florist, to convey them to the church and cemetery.

H. H. Ritter, who conducts a store in the Algonquin hotel, had a spring opening, March 11, which was a grand success. Carnations and roses were the souvenirs and over 10,000 were handed out.

John Boehner is recovering rapidly from his recent accident. Chas. E. Pease, president of the Miami Floral Co., is also able to be out again from an 8-week siege of neuralgia.

W. W. Horlacher sold the National Cash Register Co. a splendid bill of palms last week, aggregating several hundred dollars.

A St. Patrick's Day banquet was held March 16 at the B. P. O. E. banquet hall, orange colored flowers and neckties barred.

Miami Floral Co.'s business of February was double that of the same month 1907.

Visitors: Will Lampert, Xenia; D. Rusconi, Cincinnati; C. F. Mahan, Bellbrook; James Frost, Greenville; J. E. Thomas, Wellston. M.

Milwaukee.

TRADE IMPROVING.

There has been a slight change for the better in the conditions prevailing in this market. While stock has sold at very low figures, still it has been possible to clean the stock out much better. Roses are coming in much heavier, but the quality of the stock is very fine and this helps a good deal to keep it moving. Violets are selling better than they have for some time, although the prices realized for them is rather low. There is enough green stock for all demands. Owing to St. Patrick's Day there has been a very heavy call for white carnations, and this has helped the market very much.

NOTES.

Holton & Hunkel Co. has a very large and fine lot of flowering plants for Easter. The lilies are extra fine this season.

The Loveland Floral Co. is making a fine display of baskets filled with flowers and plants.

Miss Anna Brown, for five years bookkeeper for Holton & Hunkel Co., has gone to her old home in Ann Arbor, Mich., where she will shortly be married.

The East Side Floral Co., on Farwell and North avenue, is well satisfied with the plant business this spring.

Mrs. Ennis has rented a fine new store in the Casewell building, just nearing completion.

James Chacona is handling large quantities of violets these days in his two stores.

Arthur Leideger has returned from his wedding trip.

H.

Milwaukee Florists' Club.

The meeting March 5, as reported in our last issue, was gratifying to all in attendance, there being but few members absent. The bountiful free lunch, the auctioning of the flowers at the close, all excited the personal interest of everyone. It is seldom so much good fellowship and business progress can be enjoyed at the same time. Although one of the growers present is continually alluded to as "the pickle man" there were no pickles there that evening. One florist thought it would not worry him so much to look at a few there as it did to pay for some a few weeks ago. Quite a number of humorous remarks founded on expensive experiences between growers and dealers, thrown out at random, found their "affinity," and no harm done. Such gatherings broaden one's horizon and small acts are displaced by things of a larger cult. It seems to the writer that this sort of a meeting is a beginning of what may solve the flower show problem.

Zepnick's pansies, Poehlmann Bros.' lily of the valley, Dilger's and Heitman's narcissus and Klokner's mignonette were particularly choice. Perhaps the most original success of all was Klokner's snapdragons; four to six feet long, in good foliage, perfect form and well colored, as well as white; these will surely become a great factor in decorations when the supply becomes larger and more constant. A vase of the red rose, Rhea Reid, by E. G. Hill Co., with strong stems

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Florists' Supplies and Wire Designs.

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and beautiful foliage, merited much favorable comment. Bride and Bridesmaid from Albert Lies, Niles Center, Ill., were a credit to their grower.

Nic Zweifel's carnations, Enchantress, White Perfection, Victory and Pink Perfection, won blue ribbons. Heitman & Baerman and others drew other colored ribbons, some contests being too close for the judges' ease and comfort, but Zweifel got the most blue this time. Those from out of town were not in competition, such as Dorner's Winona, Chicago Carnation Co.'s Aristocrat and White Perfection, for which a ribbon could not have been made blue enough. Andrew Carnegie was also excellent. E. G. Hill's Afterglow was also good. Highland Park Greenhouse Co.'s Lucille attracted much attention. Heitman turned out to be an excellent auctioneer; by getting more than some things were worth he pleased the grower; by getting considerably less at times he pleased the storekeeper, so they were all pleased.

Frank Berndt accomplishes the one thing in life this week that ensures the good wishes of all the local florists who have made his acquaintance during the past 20 years of careful growing. Mrs. Berndt will be welcomed as soon as we may address her by that title. C. B. W.

Wholesale Flower Markets

BUFFALO, Mar. 18.

Roses, American Beauty	7 00@35 00
" Bride, Bridesmaid, Meteor	4 00@10 00
Carnations	1 00@ 3 00
Lily of the valley	2 00@ 4 00
Smilax	15 00
Adiantum	50@ 1 50
Lilies	4 00@15 00
Galax, per 1000, $1 50	
Ferns, per 1000, 2 00	
Violets	40@ 75
Mignonette	2 00@ 5 00
Narcissus	2 00@ 3 00
Sweet peas	40@ 1 00
Hyacinths	2 00@ 3 00
Tulips	2 00@ 3 00
Daffodils	2 00@ 3 00
Asparagus Sprengeri, per bunch,	25 50
Asparagus plumosus, per bunch,	25@ 50
Freesias	2 00@ 3 00

MILWAUKEE, Mar. 18.

Roses, Beauty	75@ 5 00
" Liberty, Chatenay	3 00@10 00
" Bride, Bridesmaid	3 00@10 00
" Meteor, Golden Gate	3 00@10 00
" Perle	4 00@ 6 00
Carnations	1 00@ 3 00
Smilax, $1 50 per doz.	
Asparagus, sprays	3 00
" Sprengeri	2 00@ 3 00
Lily of the valley	2 00@ 3 00
Adiantum	1 50
Violets	50@ 75
Common ferns, $2 00 per 1000	
Harrisii lilies, $2 00 per doz.	
Paper White narcissus	2 00@ 3 00
Roman hyacinths	2 00@ 3 00
Tulips	3 00
Daffodils	3 00
Sweet peas	50@ 1 50

ST. LOUIS, Mar. 18.

Roses, Beauty, long stems	2 50@ 3 00
" " medium stems	1 50@ 2 00
" " short stems	50@ 1 00
" Bride	2 00@ 6 00
" Bridesmaid	2 00@ 6 00
" Chatenay, Richmond	2 00@ 6 00
" Killarney	2 00@ 6 00
Carnations, common	1 00@ 1 50
" best	1 50@ 2 00
Smilax	12 50
Asparagus Sprengeri	1 00@ 2 00
" plumosus, strings	25 00@40 00
" cut sprays	1 00@ 2 00
Ferns, fancy, per 1000, $2 00	
Lily of the valley	2 00@ 3 00
Violets, California	15@ 20
Narcissus	2 00@ 3 00
Callas	6 00@10 00
Sweet peas	25@ 40
Roman hyacinths	1 50@ 2 00

CINCINNATI, Mar. 18.

Roses, Beauty, $1 00@$ 4 00	
" Bride, Bridesmaid	3 00@ 6 00
" Richmond	3 00@ 6 00
" Golden Gate	3 00@ 6 00
" Ivory	3 00@ 6 00
Carnations	1 00@ 3 00
Lily of the valley	2 00@ 4 00
Violets	50@ 1 00
Daisies	50
Callas	10 00@12 50
Harrisii	15 00
Dutch hyacinths	3 00@ 4 00
Narcissus	3 00
Smilax	12 50@15 00
Daffodils	2 00@ 3 00
Tulips	2 00@ 4 00
Asparagus plumosus and Sprengeri in bunches, per bunch 25c	
Eastern Ferns, per 1000, $2 00	
Galax, Green and Bronze, $1 00	

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468 Washington St.,
BUFFALO, N. Y.
J. N. BAILEY, Manager.

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CUT FLOWERS received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities.

HAZELTON, PA.—Howard E. Smith has purchased a wholesale flower store on Twenty-ninth street, near Broadway, New York, which handles the output of 100 greenhouses. Mr. Smith will continue his retail store in this city, and will divide his time between here and the metropolis.

New York.

PRICES VERY LOW.

Last week brought delightful spring weather and also an increased volume of stock. American Beauty roses and violets are in the "doldrums," as a sailor man would say. Good American Beauty at 15 and 20 cents seems like a great sacrifice, but there is no help for it. It is hard to keep violets cleaned up even at $1 and $1.50 per 1,000. Carnations have gone down to such a low figure, with no prospect of improvement this season, that it has become a matter of grave concern to the growers. It is hard to understand, however, what can be done to remedy the conditions that now prevail. A Seventh avenue retailer advertised a carnation sale, at 35 cents per dozen, last week, and sold 6,000 in three days. He says it is the only way to do, and educates the public to buy flowers.

AN ORCHID SOCIETY.

At a preliminary meeting held at the American Institute, March 14, steps were taken to organize a permanent society of orchid growers and fanciers. The following were appointed an organizing committee: Clement Moore, Hackensack, N. J.; Geo. Schlagel, Brooklyn, N. Y.; Dr. Kitchen, Orange, N. J.; W. E. Rothwell, Boston, Mass.; Mrs. G. B. Wilson, Philadelphia, Pa.; G. V. Nash, Bronx Botanical Gardens, New York; H. A. Siebrecht, New York; J. A. Manda, West Orange, N. J.; J. E. Lager, Summit, N. J. The committee meets at the Grand Union hotel March 19. Edward Roehrs, Rutherford, N. J., is secretary pro tem.

In connection with the meeting at the American Institute, March 14, for the purpose of organizing an orchid society, there was a very interesting exhibit of orchids. The Julius Roehrs Co., Rutherford, N. J., exhibited beautiful specimens of phalænopsis, cattleyas, cymbidiums and others. Noteworthy in the exhibit was the new Cymbidium insignis. Lager & Hurrell, Summit, N. J., had a fine exhibit, among which were dendrobiums, cattleyas and cymbidiums. Cypripedium, Mrs. W. A. Roebling should appeal to fanciers who are on the lookout for novelty. Joseph A. Manda, West Orange, N. J., made a fine exhibit of standard varieties. Mr. Manda during the past season made great improvements in his range and is now well prepared to handle orchids for commercial and private purposes. Seth Borden, Fall River, Mass.; Clement Moore, Hackensack, N. J., and Chas G. Roebling, Trenton, N. J., all private growers, each made fine exhibits. Particularly attractive were Mr. Borden's Dendrobium thyrsiflorum.

ST. PATRICK'S DAY GREEN.

From shamrocks—"the original plant coming from the cemetery of Downpatrick in Ireland,"—that is what the advertisers say—to green dye for carnations, we have during the past two weeks been offered ample material with which to decorate for St. Patrick's Day. The stock for properly celebrating the day is of various colors. Some of the most elaborate displays in shamrocks were made by the down-town seed stores.

NOTES.

L. W. C. Tuthill, of the Horticulture A. D. Agency, 1133 Broadway, made a trip to Pomfret, Conn., last week to examine and photograph the model private range of Mrs. E. A. Clark. The houses were erected by the Lord & Burnham Co., and are unsurpassed in design and execution. One of the particularly interesting points of this large range, which is superintended by John Ashe, is the orchard house, of potted fruit trees. There are grown, with phenomenal success, apples, pears, peaches, nectarines, cherries and other fruits. With the improved methods now in vogue, not only in greenhouse construction, but also in the handling of the stock, there should be a great revival in this branch of horticulture on large private estates.

Robert A. Keiser, a musical composer, has inscribed a recent production, entitled "Flowers and Ferns," to Mrs. Frances Warendorff, the mother of florists. Mrs. Warendorff, who is now 72 years old, but sprightly and active, has six sons, all of whom are active in the retail trade of this city. They are: Alexander, Herman, Benjamin, Richard and Edward Warendorff, and Jos. Fleischman, a half-brother to the others.

John Mollers, a gardener employed by Siebrecht & Son, fell from a shade tree which he was pruning, March 10, and received injuries from which he died 36 hours later. The limb which was supporting him broke and he struck on the sidewalk. Deceased was a native of Germany, about 60 years old, and had been in the employ of Siebrecht & Son for 15 years.

The next monthly meeting of the Florists' Club will be held in the Grand Opera House building, Eighth avenue and Twenty-third street, April 13. This is the former meeting place of the club, and it is hoped that the members will celebrate the return to old quarters by a rousing attendance.

H. E. Jaeger, of Seventh avenue and One Hundred and Twenty-fifth street is making preparations for a big Easter trade. There are many attractive features about this store and the bridal bouquets and other design work sent out are very good.

W. P. Sears, of 729 Sixth avenue, is offering a number of very attractive features in the line of imported twig baskets filled with flowers.

The Fruit Auction Co., New York.

A movement that promises to be of widespread interest to plant growers has been inaugurated in New York by the Fruit Auction Co., which owns a splendid building at the corner of Franklin and Washington streets. The company will, about April 1, begin daily auction sales of plants at wholesale. This of itself might seem a small matter as plants have been previously sold at auction; but, considering the many improved methods which will be introduced in this venture, it may be safely stated that it will mark the beginning of a new era in the horticultural activities of the metropolis.

The main exhibition room is 70x96 feet and the basement floor, for temporary storage, of the same generous dimensions. The salesroom, arranged as an amphitheater, contains 500 individual seats for patrons, each with writing desk attached. This room is two stories high and fitted up with every convenience. Being on a corner and the windows being very large, the light is excellent. Three high speed electric elevators bring the samples of stock directly in front of the auctioneer's rostrum and in full view of the audience or prospective bidders. The facilities for loading and unloading are perfect, four large wagons being handled at once; in fact, every detail is complete, and marketing facilities, hitherto unknown, are provided the plantsmen. The building, with its ample facilities for a twentieth century plant exchange, is well worthy of inspection by any man or body of men who wish to see horticultural products disposed of in a more remunerative and dignified manner than street peddling.

The company extends a cordial invitation to all branches of the trade, to call at any time and inspect their facilities and methods. The first sale takes place on April 1 at 8 p. m. and promises to be one of such magnitude that it will obliterate some moss-grown and hoary superstitions, not only as to that date, but likewise, in reference to the successful and profitable marketing of plants. An important feature in the conduct of the business is the fact that growers will be paid for every consignment, promptly on the day following the sale. This company employs seven auctioneers, among them John P. Cleary, well known to the horticultural trade, who will preside at the plant sales.

Lenox, Mass.

The annual rose and carnation night of the Horticultural Society was held March 7 in the society's rooms and was the most successful of any ever held. Some 60 vases were shown of the leading varieties and the quality was very high. In carnations Beacon seemed to be the most popular scarlet, Winsor pink, White Perfection and White Enhcantress whites, Pink Imperial in the dark pink class, and Enchantress in the light pink. Mrs. Patten as a variegated out-classed the variegated Lawson, and Halowarden as a crimson showed strongest among the older varieties. The new crimson, Harvard, shown by J. D. Cockcroft, of Northport, N. Y., as well as the beautiful new variety, Wanoka, exhibited by Wa-no-ka Greenhouses, Barneveld, N. Y., were much admired by all the growers present, and were given the society's highest award. It was the general opinion that both these varieties had a great future before them. The flowers shown indicated all the good qualities of stem, calyx, and substance that the most critical could desire.

A splendid vase of gardenias was shown by F. Heeremans, whose success with them has been far above the average. Stocks cut from 4-inch pots running from two- and one-half to three and one-half feet in length were shown by A. H. Wingett, the varieties being Queen Alexandra, Beauty of Nice and Princess Alice. A mammoth bunch of single violets, Princess of Wales, 300 flowers, which for length of stem and general good quality could not be surpassed, was shown by F. Heeremans. The new Boston violet was sent by Wm. Sim, Cliftondale, but unfortunately it arrived in poor condition. Roses were exhibited by A. H. Wingett and F. Heeremans, also a salmon pink sport of Beacon carnation by the former. The following is the list of prize winners:

CARNATIONS.

Twenty-four Winsor.—F. Heeremans, first.

Twenty-four Enchantress.—F. Heeremans, first.

Twelve Robert Craig.—F. Heeremans, first.

Twelve Helen Gould.—F. Heeremans, first.

Twenty-four White Perfection.—A. H. Wingett, first.

Twenty-four Pink Imperial.—A. H. Wingett, first.

Twelve Mrs. M. A. Patten.—A. H. Wingett, first.

Twenty-four Beacon.—A. J. Loveless, first.

Twelve White Enchantress.—A. J. Loveless, first.

Twelve Winsor.—D. Dunn, first.

Twelve Red Lawson.—D. Dunn, first.

Twelve Harlowarden.—G. Breed, first.

Twelve Daheim.—G. Breed, first.

Twelve Enchantress.—S. Carlquist, first.

ROSES.

Twelve Bride.—A. H. Wingett, first.

Twelve Bridesmaid.—A. H. Wingett, first.

Twelve Richmond.—A. H. Wingett, first.

Twelve American Beauty.—F. Heeremans, first.

Twelve Liberty.—F. Heeremans, first.

Certificates of merit were awarded to J. D. Cockcroft for new crimson carnation, Harvard: to Wa-no-ka Greenhouse, for new crimson carnation Wanoka.

Certificate of cultural commendation was awarded to A. H. Wingett for a vase of mixed stocks; a diploma to F. Heeremans for a vase of 100 Enchantress carnations, vase of gardenias, and violets, a diploma to Wm. Sim for Boston violet. The judges were G. H. Thompson, E. J. Norman and R. Speirs.

George Breed and Arthur Smith were unanimously elected members of the society.

G. H. I.

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To out-of-town Florists: We are in the Heart of
And give Special attention to Steamer and Theater orders. Prompt deliveries and best stock in the market.

Newark, N. J.

Broad street may be classed as well up in the list of the great business thoroughfares of this country; every line of trade is well represented and none better than the florists. On a recent visit we found the Broad street retail florist stores doing a business that would not suffer by comparison with that of any other metropolitan city.

Geo. Penek, whose store is at 757-759 Broad street, with greenhouses at West Arlington, had a store full of customers and the whole force was very busy waiting on them.

H. C. Strobell & Bro., Phillips Bros., August Begerow, Wolfinger and Chas. Witheridge all have good stores, carry fine stocks and seem to be prospering.

The Cornish Seed and Floral Co., as its name indicates, carries a diversified stock and is looking forward to good spring business.

New York.

The Florists' bowling club will meet Friday evenings at the Albion alleys, 117 West Twenty-third street, assembling at 7 p. m., at W. E. Marshall's office, 146 West Twenty-third street.

Charles Millang. August Millang.
MILLANG BROS.
Wholesale Commission Florists,
41 West 28th Street, Telephones 3860-3861 Madison. New York.

Wholesale Flower Markets

NEW YORK. Mar. 18,

Roses, Beauty, special	15 00@20 00
" " fancy	10 00@12 00
" " extra	6 00@ 8 00
" " No. 1	4 00@ 5 00
" " Nos. 2 and 3	1 00@ 3 00
" Richmond	1 00@15 00
" Bride, Bridesmaid, G. Gate Special	5 00@ 8 00
" No. 1	3 00@ 5 00
" No. 2	1 00@ 2 00
Carnations, fancy	2 00
" common	50@ 1 00
Lilies	5 00@ 6 00
Lily of the valley	1 00@ 2 00
Asparagus plumosus strings	30 00@50 00
" per doz. bunches	2 00@ 3 00
Smilax	8 00@10 00
Cattleyas	35 00@50 00
Cypripediums	8 00@10 00
Violets	15@ 40
Gardenias	5 00@20 00
Callas, per dozen	75
Paper White Narcissus	50@ 1 00
Roman hyacinths	50@ 75
Mignonette, per doz.	50@ 75
Jouquils	1 00@ 1 50
Sweet peas	50@ 75
Tulips	1 00@ 1 50
Freesias	40@ 50
Lilac, 40@50 per bunch	
Snapdragon	2 00@ 3 00

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THE LEO NIESSEN CO., Wholesale Florists, 1209 Arch St., Philadelphia, Pa.

Philadelphia.

MARKET HEAVILY GLUTTED.

The shipments and consignments to this market, of cut flowers, all along the line from long stemmed American Beauty roses to the latest spring blossoms, continues (as they say of blizzards) with unabated fury. There seems to be no end to the carnation stream that is continually pouring in. Orders for extra dozens of receptacles to "pot" them up are given at intervals, until there is scarcely room to stand another jar. What would happen if the order against the street men was rigidly enforced, is a question. One such merchant purchased from one commission house 10,000 blooms for his last Saturday's trade at a price not over $5 per 1,000 and possibly considerably lower and we venture to say never was such quality in such quantities seen on the street before. Everything else is greatly overstocked and prices are very low. American Beauty is high at $2.50 per dozen, but in quantity first class stock sells much lower. The first southern daffodils of any account are in, variety Princeps, fairly good stock $5 and $6 per 1,000. If this weather continues the market will be flooded in a few days. Southern arbutus has made its appearance and is of very good quality, in fact as good as it is ever seen from the local woods. It comes from North and South Carolina. This is shamrock week and all the stores are making displays of this Irish emblem, put up in all sorts of ways. Potatoes are hollowed out and planted with as much as they will hold. Clay pipes are filled and the stem tied with a green ribbon. Shamrock shaped pots or pans, a Harris idea, are filled and are great sellers.

NOTES.

From the advance orders that are being taken by the growers, it looks as if the Easter trade will quite equal, if not exceed, that of any previous season. So many worthless bulbs have developed among the lily crops that it is thought there will not be any excess when the time for delivery comes around. Many growers have suffered a loss of as high as 50 per cent, others even more, while some, more fortunate, say 10, 15, 20 and 30 per cent of the bulbs thrown out will cover it. Another bad feature is the small amount of buds many of the plants carry. A great number are seen with only one or two flower buds showing which will allow of no profit to the grower. Taking it all in all the lily seems to be very much of a lottery. As noted before, the commission houses have their hands full in getting the large stocks on the market at a price that leaves something to return to the growers.

Pennock Bros. offer a novelty in the shape of a miniature stove pipe or Irish tile hat, made of birch bark with a green ribbon band filled with shamrock. It is very unique and attractive. The usual supply of greened carnations, tulips and other blossoms, all of which present a freaky, ghastly appearance, particularly when they are allowed to stay in the coloring water a good while, are in evidence in all, or nearly all, the stores. The demand must be greater than usual as there was not a particle of the dope to be found in the town, outside of that in use on the morning of March 16, as all the commission houses had sold out completely by that time Greened flowers, such as carnations, sold for from $3 to $4 per hundred, and white carnations were actually scarce on account of the demand for this purpose.

The Leo Niessen Co. says it is keeping the surplus down, but have to work hard to do it. This firm has a large out-of-town clientage, who are taking advantage of the low prices, to run half price and special sales, once or twice a week, and much stock is worked off to supply this demand. The firm is handling a splendid lot of long American Beauty roses, which at prevailing prices are great bargains.

John McIntyre is handling some very choice southern arbutus and says he finds a ready sale for it. His supply of southern daffodils has commenced, and he expects to handle them in large quantities while they last.

So the club dinner fell through, and we have not had one for so long. Well, we will have to compromise on a smoker in the near future. Just after Easter will be a good time. What say you, Adolph?

Wm. McKissick says his out-of-town customers are taking advantage of the extremely low prices and his shipping trade is very satisfactory. A splendid assortment of sweet peas is to be seen here.

Berger Bros. are keeping well up in front, their Bride and Bridesmaid roses being distinctly in the special class. A large shipment of southern Narcissus Princeps was a feature this week .

Quite a number of the retail stores are taking advantage of the low prices to make a drive, and are advertising special sales of flowers by the dozen, or flowers in boxes at attractive figures.

The Florex Gardens are sending E. Bernheimer some very long stemmed American Beauty roses. He says he can furnish any length up to eight feet or longer, if desired. K.

Pittsburg.

A SLIGHT IMPROVEMENT.

A little change for the better occurred at the end of the last week, although the market is not what anyone could call active. White carnations are scarce on account of St. Patrick's Day, bringing from two to four cents. More green carnations are being used each year, the street men not being able to get near enough. Easter lilies are also scarce, but there are plenty of callas. The American Beauty rose market is dead and other roses but little better. Green stock continues plentiful.

NOTES.

The subject was very ably presented by seven members of the society, who were also teachers of botany in the high schools of the city, the subject being thus presented from the point of view of the teachers individually in relation to their apportioned work in the school. The work done by the pupils was described in a very interesting manner, in the order of the subjects studied, by Misses Allabach, Bard, Hunter, Gasser, Spence, Lewis and Deans. The advantages of the high schools for the study of botany were dwelt upon at considerable length. It was explained that the classes each spent one period a week at the Phipps school of botany where there is available a building with fine laboratory equipment, and recitation facilities, and where an abundance of material, such as twigs, leaves, flowers, seedlings, etc., is always promptly available from the conservatories, or from Schenley park in just the condition desired, and where the great indoor and outdoor collections are excellent for the purposes of getting acquainted with plants by actually seeing and comparing them.

The botanical work in the high school course is given in the first year, preceding chemistry and physics, so that certain experiments of a general nature are carried on by the pupils regarding not only the plants themselves but also their food, how they get it, how it is stored up in the plant, how it is moved in the plant to a point where needed, and many similar experiments for the successful carrying out of which the facilities of the Phipps school and conservatories are essential and invaluable. Dr. J. F. Shafer exhibited a beautiful specimen of Odontoglossum luteo-purpureum with 60 perfect flowers in a dense cluster about 18 inches long. The room was tastefully decorated for the occasion with foliage and flowering plants from the Phipps conservatories through the kindness of Superintendent Burke. Gardener Jones called attention to several fine varieties of daffodills, allium, Frittillaria meleagris, nicotiana, etc., and at the conclusion of the meeting distributed a liberal supply of cut flowers to the ladies present.

The regular monthly meeting of the Botanical Society of Western Pennsylvania, was held March 12, in the Herbarium room of the Carnegie museum, the subject for discussion being "Botany in the Public Schools of Pittsburg." The society is making much progress under President Otto E. Jennings, whose policy is to have an interesting topic discussed each month.

E. Niggel, of the Pittsburg Florists' Exchange, was married, March 12, to Miss Heart, of De Haven. J.

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Wholesale and Commission
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1312 G St., N. W., Washington, D. C.
Phone Connection Main 5011

Madison, N. J.

L. A. Noe's place looks well; American Beauty roses are fine and teas in good shape.

Barton & Richter keep their place extra neat and things look in good condition.

Ed. Baer has been cutting good stock all winter and prospects are good for spring.

Villa Lorraine Roseries have the best roses I have seen in many a day; the plants are strong, with grand stems and buds and prospects are for a grand cut from now on till Easter.

Moore, Hentz and Nash keep their establishment in fine shape and proper repair. They are making fine improvements to their ice plant and boiler room. FICUS.

LONG BRANCH, N. J.—Louis Sickler will establish a greenhouse at the corner of High street and Norwood avenue. He has purchased three Norwood avenue and two High street lots.

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Very low prices on large lots.

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BUSINESS STILL POOR.

The week just passed has been productive of nothing encouraging, but rather a continuance of the inactivity of the last month. There has been absolutely no demand for flowers outside of a very limited call for funeral work, and this is mostly of second class quality. Spring is practically here, as evidenced by a welcome stretch of warm and bright weather, the effects upon stock being plainly noticeable, bringing it two weeks in advance of an ordinary season. The outlook for Easter is being considered by the growers and, from present appearances, various lines of usual favorites will have passed when that week arrives. Violets are rapidly reaching their last stages and, as Easter this year is very late, it is now doubtful whether single ones will be available. Bulbous stock also is advancing in spite of the efforts of producers to hold it in check. The most important result of the continued depression is the long looked for drop in the price of roses. Richmond and Killarney with an excellent line of the favorite Ulrich Brunner offer the greatest attraction in this list. American Beauty is moving very slowly and an excellent grade is easily obtainable; carnations are overlooked completely and the present market offers no encouragement to producers of this stock. The last of the mid-season flowering plants are rapidly being closed out and bulbous plants are in full control of this end of the business.

NOTES.

A representative delegation of rose growers and enthusiasts is planning a trip to Chicago to attend the rose exhibition. Among those who have announced their intention of being members of the party are W. H. Elliott, of Brighton, and Madbury, N. H., and his sales manager Alfred Hutson; P. Welch of the firm of Welch Bros., wholesale commission merchants; Alexander. Montgomery, Jr., of the Waban Rose Conservatories.

A. Leuthy, the well known plant specialist of Roslindale, is distributing an excellent collection of gardenias, a line not extensively cultivated by the local growers. They are well furnished with healthy foliage and supported by an abundance of perfect flowers.

Mann Bros. are showing samples of their lilies for Easter, of which stock they are extensive producers.

Visitor: Albert Pochelon of the Bemb Floral Co., Detroit, Mich. B.

Wholesale Flower Markets

PHILADELPHIA, Mar 18.	
Roses, Tea	6 00@ 8 00
" " extra	12 00@15 00
" Liberty	10 00@25 00
" Queen of Edgely, extra	50 00@75 00
" " first	25 00@40 00
" Beauty, extra	50 00@75 00
" first	25 00@40 00
Carnations	2 50@ 6 00
Lily of the valley	3 00@ 5 00
Asparagus, bunch	50 00
Smilax	15 00@20 00
Adiantum	1 00@ 1 50
Violets, single	50@ 75
" double	1 00@ 1 50
Cattleyas	50 00@60 00
Cypripediums	5 00
Lilium Harrisii	12 00@15 00
Mignonette	3 00@ 6 00
Sweet peas	75@ 1 00
Freesias	2 00@ 4 00
Gardenias	35@ 50
PITTSBURG, Mar. 18.	
Roses, Beauty, specials	30 00@40 00
" " extras	20 00@25 00
" " No. 1	10 00@15 00
" " ordinary	4 00@ 8 00
" Bride, Bridesmaid	4 00@10 00
" Chatenay	4 00@10 00
" Richmond	5 00@12 00
" Perle	6 00@ 8 00
" Killarney	4 00@12 00
Carnations	1 00@ 2 00
Lily of the valley	3 00@ 4 00
Smilax	12 50@15 00
Asparagus, strings	50 00
" Sprengeri	3 00@ 4 00
Lilies	8 00@12 50
Adiantum	75@ 1 00
Violets	50@ 75
Cattleyas	75 00
Paper White Narcissus	2 00@ 3 00
Roman hyacinths	2 00@ 3 00
Sweet peas	50@ 1 00
Daffodils	00@ 3 00
Dutch hyacinths	4 00
BOSTON, Mar. 18.	
Roses, Beauty, best	35 00@50 00
" " medium	20 00@25 00
" " culls	6 00@12 00
" Bride, Bridesmaid	1 00@ 2 00
" Extra	4 00@ 8 00
" Liberty	8 00@12 00
Carnations	1 00@ 3 00
" Fancy	3 00@ 5 00
Smilax	8 00@12 00
Adiantum	75@ 1 25
Asparagus	35 00@ 0 00
Harrissi	10 00@12 00
Callas	8 00@12 00
Daffodils	1 00@ 4 00
Narcissus	2 00@ 3 00
Sweet peas	50@ 1 00

JOHN W. McINTYRE,

1601 Ranstead St., PHILADELPHIA.

Southern Daffodils, Trailing Arbutus, Single Violets and Yellow Daisies in any quantity.

Rutherford, N. J.

The Julius Roehrs Co. has now a splendid stock of the new rambler rose, Newport Fairy. There are a number of fine plants of it in bloom. It is an everbloomer and of a delightful pink shade; the flowers are single but last a long time. The small stock that is being shipped is in splendid condition, a noteworthy feature of this rose being its glossy green foliage. In the many other stocks which have made the name of this firm world-famous, it is keeping up a well-earned reputation. There is a great expanse of glass devoted to orchids and many beautiful varieties are to be seen. Very noteworthy, also, are hydrangeas, lilac, rhododendrons, Crimson Rambler roses, spireas, and a daily cut of lily of the valley of splendid quality.

Bobbink & Atkins are keeping their large force very busy, as their spring trade promises to assume gigantic proportions. The fanciers of fine nursery stock should be greatly interested in visiting their place this spring as a more complete collection of everything necessary to beautify public and home grounds cannot be found. In addition to their immense nursery they have also a great amount of stock under glass, coming on for Easter. This comprises azaleas, hydrangaes, lilies, Otaheite oranges, spireas and many fine foliage plants.

Huntington, W. Va.

J. A. Peters reports business good but that February was below the corresponding month last year. March has opened up well. B. Haley, foreman for Mr. Peters, has had the misfortune to lose his wife at the early age of 25.

There has been a great lack of society functions and funeral work has also been very scarce. P.

BETHLEHEM, PA.—John E. Haines has opened a first-class store at 13 East Fourth street. The south part of the city has felt the need for a long time of an establishment of this kind, and Mr. Haines is in a position to give the town as good a flower store as there is in the country. The store is stocked direct from his greenhouses with fresh and choice flowers, which will be on display daily.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

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Orders to be delivered at short notice in or near Mobile or New Orleans will be executed with fresh stock from our mammoth plant by our own artist at Mobile, or Mr. U. J. Virgin, New Orleans. Orders by telegram at our expense. Address
F. P. DAVIS, Mobile, Ala.
Reference, R. G. Dunn & Co.

Worcester, Mass.

The spring show of the Worcester County Horticultural Society, March 5, was somewhat smaller than usual on account of the main hall being engaged for the lecture. The feature of the exhibition was H. F. A. Lange's exhibit, including an exceptionally fine azalea, the largest one shown. Edward W. Breed and Matthew J. Whittall also showed some good azaleas. Mrs. John C. Whitin had a splendid showing of orchids, including a large Dendrobium nobile. H. F. A. Lange also had a fine showing of roses, carnations and lily of the valley. L. C. Midgley of the Worcester Conservatories had a good showing of roses, carnations and sweet peas. The awards were:

Cut flowers.—H. F. A. Lange, first; E. W. Breed, second; Allyne W. Hixon, third.

Carnations.—H. F. A. Lange, first; L. C. Midgley, second.

Orchids.—Mrs. John C. Whitin, first.

Azalea, one plant.—H. F. A. Lange, first; E. W. Breed, second; Matthew J. Whittall, third.

Azaleas, three plants.—Edward W. Breed, first; M. J. Whittall, third.

Cineraria, four plants.—H. F. A. Lange, first; E. W. Breed, second; Mrs. Percy G. Forbes, third.

Cyclamens, four plants.—H. F. A. Lange, first; E. W. Breed, second.

Cyclamen, single plant.—E. W. Breed, first; H. F. A. Lange, second.

Hyacinths, six plants.—H. F. A. Lange, first: E. W. Breed, second; Francis E. Jones, third.

Orchids in bloom.—Mrs. J. C. Whitin, first.

Primula Sinensis, four plants.—E. W. Breed, first; H. F. A. Lange, second.

Primula, any other variety, four plants.—Matthew J. Whittall, first; E. W. Breed, second; Allyne W. Hixon, third.

Display of roses.—H. F. A. Lange, first; L. C. Midgley, second.

The last lecture of the season was given by Philip W. Ayres, Concord, N. H., his subject being "Forestry." Mr. Ayres is forester for the Society for the Protection of New Hampshire Forests and had many pictures to illustrate his talk. There was a large attendance and President George Calvin Rice presided.

R.

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St. Louis.

STOCK PLENTIFUL.

The market the past week has been but a repetition of the previous one; all varieties of flowers were very plentiful and therefore sales had to be made at low prices. A change which was welcomed by the wholesalers came Sunday and prices stiffened, caused, perhaps, from March 17 being St. Patrick's Day. This year, however, there will be no parade. A banquet at the Planters hotel, dances and meeting of the Hibernian society will help to dispose of flowers. The death and injuries of several firemen will cause a demand for white and other flowers. Violets are getting daily smaller, and if warm weather continues will be a thing of the past in a few days. Several growers stated that should hot weather continue all flowers would be scarce at Easter, but this is always the old cry and when Easter arrives there is generally sufficient to go around. Callas, however, have been very plentiful, and good ones could be purchased at six to eight cents. Green carnations are now popular, thereby causing prices on white carnations to stiffen. Sweet peas are increasing in supply; a great many of the pink varieties arrive with short stems and are hard to dispose of. Some very fine lily of the valley is now in. Southern jonquils have arrived and sell at low prices.

NOTES.

The attendance at the recent flower show given by the Horticultural Society was good. A great deal of interest in the prizes offered by the society to amateurs is taking place. The competition will be great and the judges' lot a hard one.

In the exhibit from Vaughan's Seed Store, Chicago, at the flower show last week, Baby Rambler roses less than two inches high but flowering freely were much admired. Shamrock in small pots was another feature.

The Florists' Club held its monthly meeting March 12. Two vases of roses were shown by Fred Ammann of Edwardsville, Ill., and E. W. Guy, of Belleville, Ill. Twenty members were present. Will Young in the chair.

Beyer & Sons are in the market with a fine lot of flowering plants. Carl has now entirely recovered from his sprained ankle.

City Forestry Department expects to enlarge its working force this summer. Andrew Meyer, Jr., has his hands full.

W. F.

Springfield, Ill.

The Florists' Club held its regular monthly meeting March 16. The committees in charge of the state convention show reported and were discharged, President Brown complimented the club on the able manner in which it handled the show. The subject of a fall show next November was discussed and laid over till next meeting for further consideration.

The following officers were elected: Carl Rauth, president; R. T. Donnell, vice president; Frank A. Friedly, secretary; Geo. Van Horn, treasurer. The next meeting will be held the second Monday in April.

F.

Clifton, N. J.

Robert Simpson is making a fine cut of Killarney, Richmond, Uncle John and other roses. A leading feature is the cut he is having from a pink seedling rose, which seems, in Mr. Simpson's hands, to be more prolific than most of the old varieties. Preparatory work for the approaching convention and exhibition at Chicago is keeping the genial president busy, but the work of growing roses by the most up-to-date and successful methods goes steadily forward at his range.

ASPARAGUS, BOSTONS, AZALEAS,

Plumosus Nanus, 2½-in., $3.50 per 100, $30.00 per 1000; 3-in., 6c; 3½-in., 10c; 4-in., 12c; 5-in., 20c; 6-in., 30c. Comorensis, 2-in., 2c; 2½-in., 3c; 3½-in., 6c. Sprengeri 2½-in., 3c; 3½-in., 8c; 4-in., 10c.

Bostons, 2½-in., 4c; 3-in., 8c; 6-in., 40c; 7-in., 65c; 8-in $1.00 to $1.50; 10-in $1.50 to $2.00.

Azaleas. We are now booking orders for Easter delivery. Our stock is the best in the west.

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Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

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Palmer's

W.J Palmer & Son, 304 Main St.

The Seed Trade.

American Seed Trade Association.
Geo. S. Green, Chicago, Pres.; M. H. Duryea, New York, First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-sixth annual convention, June 23 to 25, at Hotel Ponchartrain, Detroit, Mich.

THE Erie Preserving Co., of Buffalo, N. Y., has failed. The firm had been a large user of seed peas.

PHILADELPHIA, PA.—The Henry F. Michell Co. reports its business as showing an increase of 10 per cent.

VIRGINIA BULB growers report that the crop of bulbs is well advanced and shipments should begin about March 25.

MINNEAPOLIS, MINN.—Northrup, King & Co. report trade better than last year with a very active demand for high grade agricultural seeds.

MARBLEHEAD, MASS.—Jas. J. H. Gregory & Son say that while January and February showed a slight decline the first 10 days of March more than made up the deficiency.

BALTIMORE, MD.—The Duvall seed bill will practically prohibit the selling of seeds in this state, it providing that germination, impurities, etc., must be guaranteed by the seller.

LARAMIE, WYO.—The Wyoming Plant & Seed Breeding Co., with farms at Worland, held its annual meeting here March 3. Aro Haley of this city is director. Experiments are being made in raising alfalfa in this state.

SHENANDOAH, IA.—We are having a larger business than we have ever had before in all of our experience, and have so far this season shipped out over 150 carloads of seed corn to seedsmen all over the south.—RATEKINS SEED HOUSE.

CLINTON, WIS.—The L. L. Olds Seed Co. rented the Ishman building on Main street March 6 and in a few days will have its force at work. It is thought that the fire started in the women's cloak room, possibly, from stepping on a match.

FRANCIS BRILL, the veteran seed grower of Hempstead, L. I., N. Y., writes: "I have worked 50 years for wealth but without great results; still, the world owes me nothing. I cannot say as much of the people in it. I am working now just enough to keep out of mischief."

TOLEDO, O.—A delegation from this city visited Columbus to appear before a meeting of the legislature with a protest against the new proposed state law making it a crime to sell clover, grass, vegetable or flower seeds containing more than two per cent of foreign seeds.—S.

PRESIDENT F. W. BRUGGERHOF, of the Wholesale Seedsmen's League, has appointed a committee provided for in resolutions of February 18 on the nomenclature question (for which see pages 348 and 349 of our issue of March 14) as follows: W. Atlee Burpee, J. C. Vaughan and Chas. H. Breck.

A MICHIGAN bean grower writes as follows under date of March 15: "Trade for both spot and future is good. Stock in hand of both peas and beans is very light. Farmers who grew garden varieties of beans last year will not be likely to repeat it again this year, as they can grow crops that pay better."

AS TO THE ODORLESS ONION, mentioned by the daily press, "they'll be getting up a self-peeling orange next," said L. A. Budlong, owner of extensive onion farms in North Chicago. "What we need is a pumpkin big enough to feed cattle in. But, seriously, I don't take any stock in a report that any one has amputated the smell of an onion. I've raised millions of 'em and I ought to know whether it can be done or not."

Braslan Seed Growers' Co.
Growers for the Wholesale Trade Only.
SAN JOSE, CAL.

Chicago.

Grass seed contract prices on the board of trade March 17 were noted as follows: Prime timothy, $4.75 (no bids); medium red clover, $20.85 (nominal); choice white clover, $15.

Onion sets for immediate delivery are easy at about as follows: Yellow, $2.50; red, about $2.75; white, $3 to $3.25 for 32 pounds.

Winterson's Seed Store has just received a large shipment of caladium, canna and tuberose bulbs.

Trade visitors.—F. L. Hogue, Carpinteria, Cal., on his way east; A. J. Pieters, Hollister, Cal.; A. J. Brown, Grand Rapids, Mich.

Establishing Grades of Onion Sets.

In answer to a recent letter from The Produce Reporter suggesting an onion set inspector be secured for the set shipping season at Chicago, J. J. Budlong of the L. A. Budlong Co., Chicago, writes as follows:

"As to the advisability of trying to establish standard grades on onion sets, we do not believe it possible to get any set of grades that will apply to the onion set crop of the United States, or even of Chicago alone. Take, for instance, the first grade mentioned in your list of grades: Who is there that knows whether or not an onion set is ripe?

"Second.—What constitutes natural color? On the Red Wethersfield alone, there are at least 50 different strains of seed in the United States which produce all sorts of variations in color from the deep dark red that properly belongs to this variety, to a pale yellowish red onion, mixed more or less with yellow and white varieties, and all grades between these two extremes are represented, and they are all sold as red. This applies equally well to at least 10 definitely recognized varieties that are grown and sold in the United States.

"Third.—The questions of dry and sound at the shipping points are easier settled, but we do not believe that any carload of sets that ever left Chicago to stay in the car five days in the winter time, ever arrived at destination in the same dry condition that they left this city.

"Fourth.—Free from tops, dirt, and chaff.—The best harvested onion sets are never entirely free from top, dirt or chaff, though the way that they are topped at harvest time varies all the way from twisting the tops off carefully to such harvesting as does not remove the tops at all. The matter of dirt and chaff is taken care of by nearly all shippers by so-called milling machines which screen out the majority of the dirt and blow out the chaff, but if one wished they may be put over the mill time and time again, and always blow out some chaff and screen out a little dirt so that your first grade of sets mentioned is a practical impossibility.

"Onion sets are used for planting purposes, not to eat and not to look at, and the test of their value is what kind of a crop they will produce when they are planted. There is also a wide variation in the value of the goods screened through any given sized screen, thus for instance a certain lot of onion sets screened through 1⅛-inch screen might count 125 sets to the pound, and have nothing in them excepting large sets near the size of the screen used, while another lot would count 250 to the pound on account of the large number of small sets contained, and be worth just twice as much to the buyer as the lot first mentioned. You might just as well try to establish a grade on seedsmen's seeds of any kind as on onion sets, and would encounter the same difficulties. We might go on indefinitely with the above kind of facts and would talk it over with you if you wish in full, but in practice the following facts are what grade the buyers are satisfied with:

"Goods that will pass through the screen contracted for with a fair proportion of small ones contained among them. They are very particular in the matter of sprouted or growing sets, and more rejections occur on this account than any other one cause.

"The next point is their freedom from rotten sets. Too many of these are objectionable for the reason that the rotten ones injure the sound ones, and any shipper who will take pains to put his stock in good merchantable condition before shipping, will find rejection on account of qualities of goods, a thing of the past. We might add that some of the best shippers hand-pick their goods before shipping, for the sake of physical appearance, but that the majority of them are shipped after being milled over a machine such as described above.

WANTED.
200 lbs. White Portugal Onion Seed 1908 Crop.
Address with price and growth test,
Key 479, care American Florist.

HJALMAR HARTMANN & CO.
Growers for the Wholesale Trade Only.
31 Barclay St. NEW YORK. 12 Stormgade, COPENHAGEN.

CAULIFLOWER and CABBAGE SEED

Rogers Brothers,
SPECIALTY GROWERS.
Purest Strains GARDEN PEA and BEAN SEED.
For the Wholesale Trade. ALPENA, MICH.

PROCEEDINGS
Of the Congress of Horticulture held at the Jamestown Exposition, September 23, 1907,
Linen Bound. 108 pages. Price, 25c.
This publication includes the formal addresses and discussions of the papers read at the meeting which covered the various phases of Horticulture. This meeting was pronounced by Horticultural authorities as one of the greatest Horticultural meetings ever held in a single day.
For copies address
H. C. IRISH, Sec'y,
National Council of Horticulture, Missouri Botanical Garden, **St. Louis, Mo.**

"There are several men in Chicago who are expert in the business, who could (if they could be induced to), accept the position of inspector, pass on goods shipped, and tell very quickly whether the shipment would fulfill the contract, but outside help, such as would have to be employed, would be a long time learning to do this.

"We believe that establishing of inspection on the lines you suggest, to apply to grain, fruits, vegetables or other articles for consumption of the goods sold, either in manufacturing purposes or to eat would be of value to both buyer and seller, but do not see how it could possibly be applied to sets or to any other article of commerce that is used for planting purposes. Take for instance the purchase of seed corn, oats, wheat, or potatoes for planting purposes. What buyer ever thinks of accepting the standard grade that exists on these goods in purchasing them for the above purposes? They invariably go to some reputable seedsman or grower, and accept his representation as to quality and strain of goods sold without paying any attention to the grades established by law and usage, and furthermore pay a heavy premium over the current prices on standard grades of these goods for the sake of the representation which is made by the seller.

"Our own experience is that where the buyer is in doubt about the representation of sets that a sample settles the question and is much more satisfactory to him than any standard of grading that can be devised."

Diseased Plants Confiscated.

Marysville, Cal., March 5.—Because they were infested with mites which are particularly dangerous to bulbs and roots, Horticultural Commissioner Stabler of Yuba City and State Entomologist Carnes have confiscated five lots of choice chrysanthemums imported from Japan. The plants were intended for the E. B. Starr Ranch in Sutter county. The duty on the package which came by parcels post, was $3.59. The inspectors at San Francisco had overlooked the diseased condition of the consignment. Postmaster Meyers was first to grow suspicious of the plants.—Sacramento Bee.

HAMBURG, GERMANY.—Julius Hansen, of Pinneberg, is in financial difficulty and is offering to settle on a basis of 33 1/3 per cent. Liabilities are 10,000 marks, assets probably nil. It is said that his losses were made through being stuck on 100,000 lily of the valley pips the past season.

ONION SETS.

WE ARE HEADQUARTERS

YELLOW - RED - WHITE

WRITE FOR PRICES.

SEEDS Leonard's Vegetable Seeds Are The Market Gardeners' Standard.

Largest Growers of Peas, Beans, and Garden Seed in the Central West.

Catalogue Now Ready. Send For It.

Leonard Seed Co., = CHICAGO.

Canary Islands Onion Seed

BERMUDA, Red and White. Also **CRYSTAL WAX.**

Choicest Seed at Moderate Prices.

We don't sell direct to truckers.

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LAWN GRASS SEED in Bulk and Packages

Dickinsons, Evergreen, and Pine Tree Brands

SPECIAL MIXTURES SEED FOR **GOLF GROUNDS**

MINNEAPOLIS **THE ALBERT DICKINSON CO.** CHICAGO

ONION Sets

Write for samples and prices

Seed Potatoes, Red River Stock.....

VAUGHAN'S SEED STORE, Chicago.

MICE PROOF SEED CASES.

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Contract Seed Growers,

Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.

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Write for Prices on Surplus Stocks for Immediate Shipment.

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ONION, LETTUCE, SWEET PEAS. and other California Specialties.

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HOLLAND BULBS AND PLANTS.

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Wholesale Bulb Growers and Dealers.

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Telegraph Code

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$2.00

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MARKET GARDENS.

THE few fine dry days have led to increased activity in the truck farms around Chicago.

IN 1903 the value of vegetable exports from the United States to Cuba was $481,595; in 1907, $1,476,401.

THE last dove sent out by the market growers in the low places around Chicago presumably did not return.

ONION GROWERS of Pasadena, Cal., it is stated, have found a solution of tobacco extract so perfect an antidote to the fly that they are using it in preference to kerosene emulsion and other sprays.

IN past years the bureau of statistics has made no attempt to investigate the supplies of potatoes carried over the winter. There has been some inquiry for this information, and the bureau therefore mailed, in the latter part of February, schedules of inquiry regarding stocks of potatoes on hand to about 800 correspondents in the principal potato-growing counties in the United States. If sufficient interest is manifested in such a report, and if sufficiently accurate data can be secured to make the information of practical value, this investigation may be made yearly upon a more extensive scale than the one made the past month.

A New Mushroom.

At a recent meeting of the Dutchess County Horticultural Society were exhibited mushrooms of violet color, found in Peter Devoy's violet house east of Poughkeepsie, N. Y., where they were considered a great nuisance, according to the Country Gentleman. Some were sent to State Botanist Peck, who identified them as Tricoloma sordidum, a French mushroom, never found in this country before. Mr. Devoy cannot account for their presence, but thinks the spores may have come with bulbs imported from Europe.

Prices of Indoor Vegetables.

The prices of indoor vegetables at leading points March 14 were as follows: New York, cucumbers, No. 1, $1 to $1.25 per dozen; No. 2, $3 to $4.50 per box; lettuce, 25 cents to 65 cents per dozen; mushrooms, 20 cents to 50 cents per pound; mint, 30 cents to 40 cents per dozen bunches; radishes, $2 to $4 per 100 bunches; tomatoes, 15 cents to 25 cents per pound. Chicago, cucumbers, $1.35 to $2 per dozen; radishes, 30 cents to 40 cents per dozen bunches; mushrooms, 25 cents to 50 cents per pound. Cincinnati, cucumbers, $1.75 to $2 per dozen; mushrooms, 40 cents to 50 cents per pound. St. Louis, cucumbers, $1 to $1.25 per dozen. Boston, tomatoes, 30 cents to 40 cents per pound; cucumbers, $9 to $12 per box. Detroit, cucumbers, $1.25 to $1.50 per dozen. Minneapolis, cucumbers, $2 per dozen. Denver, cucumbers, $2.50 per dozen.

Pollination of Forced Tomatoes.

It is well known that greenhouse tomatoes do not set fruit freely during the midwinter season. The only satisfactory method for correcting this trouble is to fertilize the blossoms by hand. A description of this method, together with a discussion of the conditions favorable for pollinating, is given in a farmers' bulletin on "Tomatoes" of the Department of Agriculture. It is here desired to emphasize the importance of pollinating carefully and thoroughly. In house-grown tomatoes there is often a considerable percentage of one-sided and small fruit, which greatly detracts from the value of the crop. The general inferiority in size of winter-grown tomatoes can undoubtedly be attributed to the comparatively short periods of sunshine during that season of the year. On the other hand, the results of station investigations along this line show that imperfect pollination is an important cause of one-sided and small fruits. While working at the Cornell station, W. M. Munson found that the amount of pollen used may have an important bearing in determining the form and size of the fruit.

"In the winter of 1890-91, while crossing tomatoes, two stigmas in the same cluster of flowers were given different amounts of pollen. The first was given a very small amount—10 to 20 grains—on one side of the stigma; the other was given an excess of pollen, the stigma being well smeared. The effect on the form and size of the fruit was very marked. The fruit receiving the large amount of pollen was of normal size and nearly symmetrical in form, while the other was small and deformed. The larger fruit produced an abundance of seeds and all of the cells were well developed; the smaller developed seeds on one side only, while the other side was nearly solid."

The experiments were repeated several times during the following winter, and similar results were obtained, both when "the flower nearest the base of the cluster received an excess of pollen, while the other received a very small quantity on one side of the stigma" and when "the flower at the base received the small amount of pollen, while the other was given an excess," thus indicating that the relative position of the flower had no influence in determining this point.

No conclusion was reached by Munson as to the exact number of pollen grains necessary to insure proper fertilization, but in no case was fruit secured "when all pollen was excluded, and in every case the size of the fruit was in direct proportion to the amount of the pollen used."

Experiments with greenhouse tomatoes, recently reported from the Michigan station by S. W. Fletcher and O. I. Gregg, not only confirm the results secured by Munson, but also appear to show, as indicated by earlier experiments by J. Tropp of the Indiana station, that there is no decided advantage to be gained by the cross pollination of varieties as compared with self-pollination. Six varieties of tomatoes were included in these experiments, viz: Ignotum, Stirling Castle, Earliana, Best-of-All, Lorillard, and Frogmore. "Four plants of each variety were used to determine the effect of using varying amounts of pollen. All the flowers on one plant of each variety were emasculated and pollinated on one side of the stigma only. These invariably produced lop-sided and small fruits. All the flowers of one plant of each variety were pollinated with from one to five pollen grains. These produced very small, solid fruits, with an average weight of but 34 grams (about one ounce) and having no seeds, or but one or two. All of the flowers on one plant of each variety were pollinated with a large amount of pollen, spread all over the stigma. These produced fruits that were smoother and averaged 12 grams heavier than fruits produced from flowers that had but a small amount of pollen applied all over the stigma." The conclusions deduced from this work are that "when pollen falls upon one side of the stigma only, a one-sided tomato always results. The larger the stigma the greater the irregularity. The amount of pollen applied to the stigma determines to a great extent the size and smoothness of the tomato; but after applying a certain amount of pollen no further increase in size or weight results

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Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspurs, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.
HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, mixed), the most perfect and most beautiful in the world, $5.00 per oz.; $1.50 per ¼ oz.; 75c per 1-16 oz. Postage paid. Cash with order.
All seeds offered are grown under my personal supervision on my own grounds of more than 3,000 acres, and are warranted true to name, of strongest growth, finest stocks and best quality.
I ALSO GROW LARGELY SEEDS ON CONTRACT.
List of my novelties in flower seeds for 1908 sent on application.

VEGETABLE SEEDS
SOW NOW.

	Per ¼ lb.	Per lb.
Lettuce, Grand Rapids Forcing	$ .30	$1.00
May King	.40	1.25
Cucumber, Evergreen White Spine	.25	.75
Davis Perfect	.35	1.25
Radish, Vaughan's Cardinal Forcing	.40	1.50
Improved Scarlet Globe	.25	.70
20 Day Forcing	.20	.60
Scarlet Globe White Tip	.20	.60
Tomato, New Globe	.75	3 00
Comet	pkt.. $ .25	
Sunrise	pkt.. .25	
Cauliflower, Earliest of All	pkt.. $ .25;	oz.. $2.50

Vaughan's Seed Store, CHICAGO. NEW YORK.

Vegetable Plants.

	Per 100	1000
Tomato, Mayflower, Lorillard, Earliana, Early Jewel, Early June Pink	$0 30	$2.00
Beets, Egyptian and Crosby's	.20	1.25
Celery, White Plume and Golden Self Blanching	.20	1.25
Parsley, Moss Curled	.30	2.00
Cauliflower, Early Snowball	.50	
Lettuce, Grand Rapids		1.00
Pepper and Egg Plants, ready for transplanting	.40	2.00

R. VINCENT, Jr. & SONS CO.,
WHITE MARSH, MD.

FLORISTS have a splendid opportunity of raising Mushrooms by utilizing the waste space under the benches, and then utilizing the waste material of expended mushroom beds in growing flowers. Lambert's Pure Culture MUSHROOM SPAWN, the best spawn in the market is sold by all leading seedsmen. A fresh sample brick, enough for a trial bed, together with illustrated book on "Mushroom Culture" will be mailed postpaid upon receipt of 40c in postage stamps. Address, American Spawn Company St. Paul, Minn.

Sweet Peas.

	¼ lb.	lb.	5 lbs.
Black Michael. New; shining reddish maroon, distinct; **oz., 15c**	$ .40	$1.60	$....
Bolton's Pink, new; pink shaded rose, of immense size; **oz., 20c**	.60	....	....
Bridesmaid, this is a deep bright pink	.15	.50	....
Countess of Spencer Hybrids. The new orchid-flowered Sweet Pea, flowers of immense size, of splendid form; color, various shades of pink and rose	.15	.50	....
Countess Spencer Var., new; a lovely clear pink; **oz., 10c**	.35	1.25	....
Dorothy Eckford, one of the best of all the white	.10	.30	1.25
Earliest of All, pink and white	.10	.30	1.20
Earliest of All, "extreme selection," fine, **oz., 10c**	.25	.85	4.00
Evelyn Byatt. Rich fiery orange; very striking and unique	.15	.60	....
Flora Norton. A very bright blue, quite different from other blues, being a brighter blue and clearer color	.10	.25	....
Florence Frazer. An improved Blanche Ferry, with longer stems true to type	.15	.40	1.75
Gladys Unwin, new orchid-flowered, the finest pink in existence; **oz., 10c**	.30	1.00	....
Helen Lewis. Very large, bright orange-salmon flowers; usually four on a stem; **oz., 10c**	.25	1.00	....
Henry Eckford, new, fine salmon-, orange, self; needs protection from the sun; **oz., 10c**	.25	1.00	....
Hon. Mrs. Kenyon, the best yellow	.15	.40	....
John Ingman. New; rich salmon rose	.15	.60	....
Katherine Tracy, soft but brilliant pink	.10	.25	1.10
King Edward VII. The best of the dark red	.15	.50	....
Lady Grisel Hamilton, the best of all lavender sorts	$ .10	$ .30	$1.35
Mrs. Alfred Watkins, superb pale pink; **oz., 50c**	1.75	6.00	....
Mrs. Geo. Higginson, Jr., a clear delicate light blue showing practically no tint of mauve	.10	.30	1.40
Mrs. Walter Wright, one of the best and largest of the lavenders	.15	.40	....
Navy Blue, deep violet-blue	.10	.25	1.10
Nora Unwin, the best white; **oz., 50c**	1.75	6.50	....
Phenomenal, new; white tinged lavender; **oz., 10c**	.35	1.25	....
Phyllis Unwin, new; deep rosy carmine, self, giant flower (Countess Spencer type); **oz., 10c**	.25	1.00	....
Prima Donna, soft pink	.10	.25	1.15
Queen Alexandra, new; giant size, best scarlet; **oz., 10c**	.25	1.00	....
Shasta, new giant-flowered white. Bears mostly four blossoms to the stem, usually facing one way and the stems are long and stout	.20	.80	....
White Spencer, new, fine; **pkt., 17c.; 5 pkts., 75c.**			
White Wonder, pure white, of the largest size	....	....	....

Vaughan's "Prize" Mixture.—This mixture contains the cream of the new standard sorts. It is made up entirely of new and separate colors, carefully proportioned as to its composition, and we can safely say, **"There is no better mixture in existence." ¼ lb., 15c.; lb., 40c.; 5 lbs., $1.75.**

Vaughan's Florists' Mixture.—This mixture, which is made up by ourselves from separate colors, carefully proportioned of the best cut-flower sorts and colors. **¼ lb., 10c.; lb., 30c.; 5 lbs., $1.25; 10 lbs., $2.25.**

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Florists' Finest Aster. Best in Existence.

For Cut Flowers it has no equal. Has been awarded first prize wherever shown. It has never been beaten.

Aster Kate Lock Colors, Enchantress Pink or White, 50c per trade pkt. Instructions, "How to Grow Asters" with every order. Not guaranteed unless bearing my signature.

J. H. LOCK, Aster Specialist, 41 Manchester Ave., Toronto, Ont.

Lily of the Valley

MANN'S EXCELSIOR

Are the finest in existence and their flowers bring the best prices in the London market. For quotation please apply to

OTTO MANN, Leipzig, Saxony, Germany

by applying more. The small, irregular tomatoes grown under glass are caused largely by insufficient pollination."

With the view of throwing some light on the relative value of cross and self-pollination, "the blossoms on four plants of each variety were self-pollinated, and the blossoms of eight plants of each variety were cross pollinated with two other varieties. All set fruit equally well. The 265 fruits produced from self-pollination on all six varieties had an average weight of 77.3 grams. The 534 fruits produced from cross pollination on all six varieties had an average weight of 79.1 grams," from which it will be seen that there was practically no gain in the total number of cross pollinated fruits secured, and but a slight difference in the weight of the individual fruits in favor of cross pollination.

Although it does not appear necessary to raise several varieties for the purpose of cross pollination, there is no harm in alternating such varieties as are grown, and in some cases a possible benefit may be obtained, such as a slight increase in the average weight of the fruit. All of the experiments, however, do show most conclusively that the setting of a good crop of smooth, heavy fruit depends very largely upon the care taken in distributing the pollen, especially during the cloudy weather which is likely to be of frequent occurrence in midwinter.

ASTER SEED

Our descriptive price list of High Grade Aster Seed is now ready, and will be sent free on application.

It will soon be time to sow your main crop of Aster Seed. Give our strain a trial. None better.

"Pointers on How to Grow Asters Successfully" sent free with every order.

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GENUINE MEXICAN EVERBLOOMING

1st size,.....$8.00 per 1000
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Madeira Vine Bulbs,

Large size.....$1.00 per 100
Medium to small..... .50 per 100

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The Nursery Trade

American Association of Nurserymen.
J. W. Hill, Des Moines, Ia., President; C. M Hobbs, Bridgeport Ind., Vice-President; George C Seager, Rochester, N. Y., Sec'y.
Thirty-third annual convention to be held at Milwaukee, Wis., June, 1908.

MANTUA, PA.—James Griscom will plant an orchard of 1,200 Kiefer pears.

NEWARK, N. J.—The North Jersey Nurseries now have offices at 188 Market street. E. D. Pennell, the manager, reports a promising outlook for spring.

WAPATO, WASH.—The Wapato Nursery Co. has secured a 5-year lease of the Jesse Peam French 80 acres and another 40 acres, giving them in all 200 acres of ground.

SCOTTSVILLE, TEX., March 9.—Up to this writing prospects for a good peach crop are excellent. The weather has been warm, plenty of sunshine and good wind, insuring pollenization.

MONROE, MICH.—Clarence J. Kirby, field superintendent of the I. E. Ilgenfritz Nursery Co., fell from the top of a 20-foot ladder recently. His arm was fractured and his scalp torn.

VALLEY CITY, N. D.—The Northwest Nursery Co. has been incorporated with capital stock $50.000. The incorporators are Ernest C. Hillborn and E. A. Pray of this city and P. A. Pickett of Lead, N. D.

THORSBY, ALA.—The Alabama Pecan Growers Co. has been formed with headquarters here and capitalized at $100,000. The incorporators are C. W. Jacobs, J. E. Peterson, E. H. Thomas and W. P. Sterling.

NORTHAMPTON, MASS.—The plans of John Nolan, Cambridge, were the most acceptable to the authorities having in hand the work of laying out Smith's Agricultural School grounds and he has in consequence been appointed landscape gardener.

E. A. KANST of South park, Chicago, says that, in his opinion, the San Jose scale will not live in the latitude of that city. He bases this on the fact that the pest has seemed to disappear instead of increase where it was formerly seen in the park.

KANSAS CITY, MO.—The contract for the nursery stock, consisting of trees and shrubbery to be planted in the city parks, was let, March 2, by the park board to M. E. Chandler Elmhurst nursery, Argentine, Kans. The amount of the contract was $1,350.

HOUSTON, TEX.—If the plans of John J. Duncan of Minneapolis materialize, one of the largest nurseries ever established in Texas will soon be located in the vicinity of this city. Mr. Duncan is a practical fruit man and has been in this vicinity looking over the prospective field.

TORONTO, ONT.—At a recent inquiry, expert evidence was brought forward to show that purchases of stock by the park department from nurserymen were charged for at rates enormously increased over those asked by others in the trade. The city, it was said, had paid $10,164 for stock that should have been purchased for $3,000.

LOS ANGELES, CAL.—The horticultural commissioners here are jubilant over the success attained with the black fly, imported from China, as a parasite of the purple scale that attacks the trees in the orange orchards.

NEW ORLEANS, LA.—The new carousel and refreshment hall at Audubon park are nearing completion and the removal of the old buildings devoted to these purposes will materially enhance the entrance to the conservatory, with its fine live oaks on either side. Jules Fonta, the veteran superintendent, is now in his seventy-third year.

THE American Society of Landscape Architects held its quarterly meeting and dinner at the Brunswick hotel, Boston, March 10. It is customary for this society to meet in New York, but as many of the members desired to study the Boston park system and the proposed park improvements along the Charles river it was decided to hold the meeting in Boston. The president of the organization is F. L. Olmsted, Jr. He introduced T. M. Clark, of Boston, who spoke on Boston parks. Arthur Shurtleff spoke on the proposed improvements in the Boston landscape as worked out by the committee of Boston architects. Both speakers illustrated their subjects by means of lantern slides.

E. M. Sherman.

Claim for Damage for Untrue Fruit Trees.

In the United States circuit court at Knoxville, Tenn., there is pending the case of J. T. Triplett, of Virginia, against the Knoxville Nursery Co., of which company Congressman N. W. Hale is the president. It has been tried once and a verdict was given the plaintiff for $3,500. Judge Clark cut the amount down to $2,500, which the plaintiff would not accept. Hence a new trial.

The case was continued on re-trial from the September, 1907, until the present term. On March 4, John W. Green, attorney for the defendant, stated that N. W. Hale, was sick in Washington, and asked that the case go over. This was agreed, and it is now set for trial in September.

The case grows out of a contract for the nursery company to furnish 4,000 Elberta peach trees, which was done according to the claim of the defense. On the previous trial the plaintiff swore, that he bought the trees as Elbertas; that he planted them and that when, after care and attention, that they bore, that they were found to be largely natural fruit. This was denied by the defense, but the jury gave a verdict for $3,500.

Sherman Nursery Co., Charles City, Ia.

The grounds and buildings of the Sherman Nursery Co., Charles City, Ia., are most interesting at all times, very fine stocks of everything in trees and shrubs, hardy roses and perennials being grown on a large scale. The Iowa State Register recently published a long and interesting illustrated article on this famous nursery, describing the various branches. The packing shed is 150x300 feet, and is built between two hills with solid masonry making it absolutely frost proof even in the coldest weather, and is well equipped with tracks and cars for handling the stock with economy of labor and dispatch. The stables are built for 35 horses used by the company and there is a fine range of greenhouses. There are over 10 acres devoted to tree seed beds, from 8,000 to 10,000 apples are annually grafted, with other hardy fruits in quantity, all of the "ironclad" varieties needed in this section, while millions of seedling trees of the forest and ornamental types are turned out annually. The territory covered by the sales of this company runs far north into Canada besides covering practically the whole of the northern United States.

New Nursery Firm at Dansville, N. Y.

W. J. and A. E. Maloney, of Danville, N. Y., and F. Walter Wells, of Rochester, have organized a three party copartnership company under the name of Maloney Bros. & Wells, for the purpose of carrying on a general retail and wholesale nursery business. W. J. and A. E. Maloney were members of the wholesale firm of Thos. Maloney & Sons, which was a very successful firm. Thos. Maloney, having retired from business, sold his interest to F. Walter Wells, of Rochester. Mr. Wells has been identified with Green's Nursery Co. in that city for years. Some few years ago, when this company was incorporated, Mr. Wells was elected secretary and treasurer, in which capacity he has acted ever since. During these years he has proven himself to be one of the best catalogue men in the nursery trade. W. J. and A. E. Maloney have had extensive experience in the nursery line and they are good shrewd business men. With a combination like this the new firm ought to be a financial success.

Preserving Trees.

ED. AMERICAN FLORIST:—

I noticed you recently spoke of a method of restoring decayed trees. I have a valuable camellia that some years ago got quite a large branch broken off and it has been neglected so that now the trunk has considerable decay in it. What can I do for it? M.

You probably refer to the restoration by means of concrete or cement. The method practiced by tree men is to remove every particle of decayed wood, carefully avoiding injury to the cambium layers and bark, and wash the cavity out thoroughly with a weak solution of sulphate of copper and lime. Then fill in with cement and sand, mixed as concrete in the usual way. Finish the cement slightly below the level of the bark in

order that this may grow over and effectually close the wound. See to it that the work is carefully done to exclude any possibility of air or moisture reaching the wound or the decay will go on as before. G.

Small Parks and a Divided City.

Three small parks are being established in the west division of Chicago as the result of the $1,000,000 bond issue authorized in 1906. In park No. 3, a 4-acre tract at May and West Twentieth streets, a small field house has been erected and other work is far advanced. In park No. 1, eight acres at West Chicago avenue and Noble street, improvements are well under way. Condemnation proceedings to secure four acres at Jefferson street and Fourteenth place for park No. 2 have been begun.

Jens Jensen, the landscape architect and general superintendent of the west parks, in an address at the City club the other day, told of this progress and of the benefits which such small parks would afford when conducted as neighborhood centers. He called attention to the small number of these pleasure grounds provided for the congested districts of the west division. He declared that park consolidation was the only means of remedying this condition, the west division being financially unable to pay sufficient park taxes to provide the needed recreation centers.

The funds for park purposes derived from the great values in the down town districts of Chicago in justice should go to the parks in all parts of the city. Yet this important source of revenue is enjoyed exclusively by the south division under the present absurd system of divided control of the parks. Evidently the people of the south division recognize the injustice of this arrangement. Last September, several wards in the south park district, returned majorities at the polls for the proposed new charter, with its provisions for centralizing the control of all the parks.—Chicago Daily News.

South Dakota Nursery Law.

"The supreme court holds that the nursery stock law, passed at the last legislative session, is good so far as it was drawn as to make it effective, but was so loosely drawn in part to make that particular feature of it innocuous and of no effect," says a Pierre, S. D., correspondent of the St. Paul, Minn., Pioneer Press, "The law contained three main features: First, requiring all nursery stock offered for sale in the state to have been inspected by some competent entymologist and the condition of the stock as to its healthiness to be certified to by such authority; second, to secure a certificate for the privilege of sale by application to the State Board of Agriculture, and the payment of a fee of $10 for such certificate, with an additional fee of $2.50 for copies of such certificate for each agent of the nursery operating in this state; third, requiring the nurseryman to put up a bond of $5,000, presumably to protect his customers against poor stock.

"But while the court holds the two provisions of inspection and a certificate to do business to be good, it holds on the bond provision that it is so provided in the law that the bond demanded does not require any sureties of any description, or that the nurseryman shall incur any obligations in any manner whatever in giving it; that by the giving or writing of such a bond as the law demands could not in the slightest degree affect the liability of the nurseryman, or the recovery by anyone who may have sustained damage by any of the acts of the nurseryman in violation of the act. It is further held that the State Board of Agriculture could not be clothed with power to modify an exact statute."

YOUNG ROSE PLANTS

All propagated from wood taken in the FIELD from blooming plants.
This is the same stock as we are now planting in the field.

Not less than 25 of a variety sold. Net cash. No discount on thousand lots.

	Price per 100		Price per 100
Antoine Rivoire	$4 00	Killarney	$4 00
Agrippina	2 50	Mme. Abel Chatenay	3 00
Baby Rambler	2 50	Mme. Alf. Carrier	2 50
Bridesmaid	2 50	Mme. Car. Testout	3 50
Burbank	2 50	Mme. de Vatry	2 50
Cath. Mermet	2 50	Mme Wagram	3 00
Cecil Brunner	2 50	Mar. Niel	2 00
Clara Watson	3 50	Marie Van Houtte	2 50
Climbing Cecil Brunner	2 50	Marquis de Querhoent	2 50
Coquette de Lyon	2 50	Meteor	2 50
Dorothea Perkins	2 50	Mrs. Robt. Garrett	3 00
Duch. de Brabant	2 50	Papa Gontier	2 50
Etoile de Lyon	2 50	Perle	3 00
Etoile de France	5 00	Queen of Prairie	2 50
Gainsborough	3 00	R. O. Wurtemburg	2 50
Glorie des Rosamones	3 00	Viscountess Folkestone	3 50
Gruss an Teplitz	3 00	White Banksia	2 50
Helen Gould	2 50	White Cochet	3 00
Helena Gambier	3 00	Wm. Allen Richardson	3 00
Kaiserin	2 50	Winnie Davis	4 00
		Yellow Banksia	2 50

CALIFORNIA ROSE COMPANY, Pomona, Cal.

Strictly First-Class PLANTS

ON OWN ROOTS

2½-pots to line out.

ROSE PLANTS

$2.50 per 100 $25.00 per 1000
Baby Rambler
Clothilde Soupert
Dorothy Perkins
Mme. A. Chatenay
Crimson Rambler

$2.75 per 100 $27.50 per 1000
Hermosa
Maman Cochet
Malmaison
Etoile de Lyon
Helen Gould
Lady Gay
M. Neil
Notting
Meteor
White Maman

$3.00 per 100 $30.00 per 1000
Black Prince
Mme. Masson
Richmond
Kaiserin
Paul Neyron

$3.50 per 100 $35.00 per 1000
Etoile de France
Gen. McArthur
Mme. J. Guillemot
Mrs J. Laing
Helen Good $5.00 per 100
J. B. Clark $8.00 per 100

C. M. NIUFFER, Springfield, O.

AZALEAS (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Jacs Smits, Ltd. NAARDEN, (Holland.)
Price list free on demand.

BOBBINK & ATKINS,

Rutherford, N. J.,

Bay Trees, Palms, Buxus, Azalea Indica, Rhododendrons, Evergreens, Herbaceous Plants, Roses, Trained Fruit Trees, Greenhouse Grape Vines. Ask for catalogue.

NEW

Surplus Shipping List

NOW OUT.

Send for one. Low prices. Fine stock.

PETERSON NURSERY,
Lincoln and Peterson Avenues, CHICAGO.

The True Amoor River Privet

Ligustrum Amurense

2½ to 3 feet, strong, field-grown plants, any quantity, $25.00 per 1000.
California same size and price.

Peter's Nursery Co., Knoxville, Tenn.

Hardy Roses

American Grown—Superior to Imported

We have unsold at the present time the following varieties—**all field grown plants,** grown in our nurseries at Rochester, N. Y.:

Anne de Diesbach	Prince Camille
Ollo	Ulrich Brunner
Frau Karl Druschki	Crimson Rambler
General Jacqueminot	White Rambler
John Hopper	Yellow Rambler
Mme. G. Luizet	Philadelphia Rambler
Marshall P. Wilder	Common Sweet Briar
Mrs. John Laing	Mme. G. Bruant
Paul Neyron	Wichuriana (The Type)

These plants are in our storage cellars and can be shipped at any time. Prices on request.

ELLWANGER & BARRY
Nurserymen—Horticulturists
Mount Hope Nurseries, Rochester, N. Y.

AZALEA AMOENA.

Largest stock in this country at low prices.
Write us for sizes and prices.

Roses 6000 Roses in variety No. 2 light own roots or budded at $35.00 per 1000. List of varieties on application.

THE ELIZABETH NURSERY CO.,
ELIZABETH. - NEW JERSEY.

ARBOR VITÆ

(Thuya Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.

THE WM. H. MOON CO.,
Morrisville, Pa.

Am. Arbor Vitae Hedge Plants

at Wholesale to Florists.

Best Evergreen Hedge Plant in the World.

EVERGREEN NURSERY CO.,
STURGEON BAY, WIS.

LARGE TREES.

OAKS and MAPLES.
PINES and HEMLOCKS.

ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA

NEW ROSE KAISERIN GOLDIFOLIA.

Per 100
2½-in. $20
3-in. $35
4-in. $50

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO

NEW NEW

RAMBLER ROSE

"NEWPORT FAIRY"

To be disseminated Spring 1908. Ask for illustrated pamphlet and prices.

JULIUS ROEHRS CO., Rutherford, N. J.

West Grove, Pa.

Weather conditions are favorable; the frost is out of the ground and outside digging has commenced. Mailing trade to date shows an increase over last year.

At the Conard & Jones greenhouses J. Pernet Ducher's new rose, the Lyon, has given several fine blooms; it is fully up to expectation, magnificent in its rich coloring. The flower is also of good form. One of the charming features at this place has been the grand blooms on the hybrid perpetual roses in 5-inch pots; especially fine were Frau Karl Druschki, Jubilee, General Jacqueminot, Capt. Hayward, Prince Camille de Rohan, John Hopper, Mrs. John Laing and others. These were all field grown plants on own roots, potted last December, and this stock was used for propagating.

We notice that the advocates of budded and grafted roses are more numerous in this country than 40 years ago. Antoine Wintzer says own-root roses for him always. A.

Halifax, N. S.

Trade has been good during the past month. Funeral work was apparently about the same as February, 1907, but we noted an increase in the demand for cut flowers. There appears to be a good stock of shamrocks for St. Patrick's Day; some growers have already booked orders for all they have.

The Nova Scotia Nursery has found a ready sale for some exceptionally fine primulas and wallflowers. The stock of azaleas, spireas and all bulbous stock looks promising for a good show at Easter.

Our largest dealer in hats and caps advertised that he would give a shamrock with every sale beginning March 14.

The Fenwick Nursery has a good lot of Easter lilies. R. M. K.

Grafted Roses

FOR FORCING.

Bride, Kaiserin, Richmond,
Bridesmaid, Killarney, Wellesley,

$12.00 per 100; $100.00 per 1000.

JACKSON & PERKINS COMPANY

WHOLESALE FLORISTS AND NURSERYMEN,

Newark, Wayne County, **New York.**

TAUSENDSCHON.

or in English, **THOUSAND BEAUTIES,** is the sensational new Climbing Rose of the year. Every florist should have it. Is not excelled for forcing purposes and for general planting by any Climbing Rose now known, **not even barring Crimson Rambler.** This is the coming forcing Rose. Get your stock early. It is beautifully illustrated in ten colors and gold in **Our New Guide to Rose Culture,** for 1908, the Leading Rose Catalogue of America. Copy **free** for the asking.

Strong plants of Tausendschon from 3-in. pots, 10 for $1.50; $12.00 per 100; $100.00 per 1000.

Single Hyacinths, all the leading named varieties King of the Blues, Czar Peter, Norma, etc., $3.00 per 100.

Single Hyacinths, all colors mixed, $2.00 per 100.

Double Named Hyancinths, Goethe, Lord Raglan, Pure d'Or, Blolksbergeb, etc., $3 00 per 100.

Crocus, Named Varieties, $3.00 per 1000; Mixed Yellow, Mixed Purple and Blue, $2.50 per 1000.

Dahlias, all the leading varieties $45.00 to $50.00 per 1000. Send for list.

Cannas, all the leading varieties $10.00 per 1000 and upwards. Ask for list.

Rex Begonias, largest and cleanest stock in the country, $5.00 per 100; $45.00 per 1000

The Dingee & Conard Co., West Grove, Pa.

Mrs. Potter Palmer

2½-in., $15.00 per 100; $125.00 per 1000; 3½-in., $150.00 per 1000,

	R. C. per 1000	2½-in. per 100	2½-in. per 1000	3½-in. per 1000
American Beauties	$30.00	$3.50	$60.00	$80 00
Maids, Brides	18.50	4.50	40.00	60.00
Uncle John	18.50	4.50	40.00	60.00

Cardinal

2½-in., $15.00 per 100; $125.00 per 1000; 3½-in., $150.00 per 1000.

	R. C. per 1000	2½-in. per 100	2½-in. per 1000	3½-in. per 1000
Chatenay	18.50	4.50	40.00	60 00
Perles		5.00	45.00	65.00
Sunrise		5.00	45.00	
Kaiserin	18.50	4.50	40.00	60.00

CARNATIONS.

	Rooted Cuttings per 100	2½-inch per 1000	per 1000
White Lawson	$2.00	$20.00	$35.00
Pink Lawson	2.00	20.00	35.00
Variegated Lawson	2.20	20.00	35.00
Victory	3 00	25.00	40.00
Winsor	5.00	45.00	60 00
Rose Pink Enchantress	3.00	25.00	40.00

	Rooted Cuttings per 100	2½-inch per 1000	per 1000
Enchantress	3.00	25 00	40.00
White Enchantress	5 00	45.00	60.00
Aristocrat	5.00	45.00	60 00
White Perfection	4.00	35.00	50.00

We have an exceptionally large stock of the Lawsons, Victory, Winsor and Beacon.

Asparagus Plumosus, 6-in. stock for benching. $15.00 per 100; $125.00 per 1000.

Chrysanthemums in season. Price list mailed on application.

POEHLMANN BROS. CO., Morton Grove, Ill.

CHOICE YOUNG ROSE STOCK

	Per 100	Per 1000
Kaiserin, 2½-inch	$4.50	$40.00
Richmond, 2-inch	3.00	25.00
Maid, 2-inch	$3.00	$25.00
Bride, 2-inch	3.00	25.00

Carnations—Rooted Cuttings.

	Per 100	Per 1000
Rose Pink Enchantress	$3.00	$25.00
Enchantress	2.50	20.00
Lady Bountiful	2.50	20.00
White Perfection	$4.00	$35.00
Queen	2.00	15.00

BASSETT & WASHBURN,

Store: 76 Wabash Ave., CHICAGO. Greenhouses: HINSDALE, ILL.

Secure Now for Easter.

Pot Grown Shrubs which will bloom in 3 to 4 weeks after placed into heat.

	Each.	Doz.
Lilac, Chas. X and Marie LeGray	$ 1.00	$10.00
Prunus Triloba, standards, 2½ ft. stems.	1.00	10.00
Prunus Triloba, Bushy grown, 18 in. high	.50	5.00
Prunus Triloba, Simplex & Georgica, 18 in. high	.50	5.00
Malus, in 3 sorts Floribunda, Atrosanguinea and Scheideckeri, bushy pot grown plants, 2½ ft.	1.00	10.00
Azalea Mollis, full of buds	.50	4.50
Deutzia Gracilis, 7 in. pots	.15	1.50
Deutzia Lemoine, 7 in. pots	.25	2.50
Rhododendrons, 8-12 buds	.75	9.00
Rhododendrons, 12-18 buds	1.25	12.00

Dormant Roses

FOR EASTER FORCING.

2-year old Budded Roses, per doz., $2.00; per 100, $15.00.
American Beauty, Kaiserin, Paul Neyron, La France, Soleil d'Or, Gruss an Teplitz, Frau K. Druschki and Hermosa.

The following kinds, 2-year old Budded, per doz., $1.50; per 100, $11.00:

Anna de Diesbach, Fisher Holmes, Magna Charta, Ball of Snow, Gen. Jack, M. P. Wilder, Capt. Christy, Mad. C. Testout, Mrs. J. Laing, Ulrich Brunner and many other kinds.

	Per 100.
Crimson Rambler, 2-yr., home grown for Easter forcing	$15.00
Crimson Rambler, 2-yr., strong imported stock	12.00
Dorothy Perkins, 2-yr., home grown for Easter forcing	12.00
Lady Gay, 2-yr., budded stock	20.00
Philadelphia Rambler, 2-yr., home grown	12.00
Baby Ramblers, 2-yr., extra strong budded	20.00
White Baby Rambler, 2 1-2 in.	10.00
Red Kaiserin, 2-yr. dormant	25.00

CARNATIONS—Rooted Cuttings.

	Per 100	Per 1000
Afterglow, 2-in. pots	$12.00	$100.00
Andrew Carnegie, 2-in. pots	12.00	100.00
Defiance	12.00	100.00
Sarah Hill, 2-in. pots	12.00	100.00
Winona, from sand	12.00	100.00
White Enchantress	6.00	55.00
Lady Bountiful, from soil	3.00	25.00
Red Chief,	5.00	40.00
Red Riding Hood, from soil	5.00	40.00
Victory, from soil	3.00	25.00
Robt. Craig	3.00	25.00
Aristocrat	6.00	50.00
Pink Patten, from soil	2.50	20.00
Mrs. T. W. Lawson	2.00	15.00
Winsor, 2-in. pots	6.00	45.00
Rose Pink Enchantress, from soil	4.00	30.00
Enchantress, from soil or sand	3.00	25.00
Mrs. Patten, from soil	2.50	20.00

VAUGHAN'S SEED STORE,

84-86 Randolph Street, CHICAGO.
14 Barclay Street, NEW YORK.

Greenhouses and Nurseries: Western Springs, Ill.

Albany, N. Y.

The Florists' Club at its last meeting decided to prepare a special circular for distribution to customers of the members in the retail trade. The circular is intended to contain short and simple hints on the care and watering of the commoner plants that the public buys, with hints as to seasonable varieties to purchase and a few other matters of interest to the dealer and his customer. A committee was appointed to prepare the circular, consisting of Fred A. Danker, chairman; Herbert A. Whittle, Patrick Hyde, Fred Henkes, H. Barthell and Samuel Goldring. It is expected that the first lot of circulars printed will be 2,000. These will be distributed among the retailers in the city. The call for the circular and its necessity have been pointed out at a number of meetings held by the club. Customers buying plants at different stores often received different instructions for the care of the same varieties in the same season. The circular, it is expected, will provide uniform instruction for the care of the same varieties at each season of the year. The members at the meeting also discussed with enthusiasm the project of holding a flower show this fall. It will be the first thing of the kind to be held by the club and it is expected that a number of prizes will be provided. It is proposed to hold the show in some hall available to the public, which will be invited to view the product of the florist's art.

Alfred E. Whittle, 1020 Madison avenue, is planning to build this spring a new house 30x120 feet for chrysanthemums and Easter lilies. Mr. Whittle has some of the material already on hand.

R. D.

DYERSBURG, TENN., reports their city, containing 7,000 inhabitants, an excellent location for an active, energetic florist. S. G. Latta may be written at that point concerning same.

DAVENPORT, IA.—A flower show is now on at Central park, which even exceeds in beauty the chrysanthemum display there last fall. A large number of people are visiting the park daily to view the exhibition.

PANSY PLANTS.

	Per 1000	100
Giant Flowering	$ 2.50	.50
Alternantheras, Red and Yel., Apl. 10.		2.00
Coleus, 2¼-in pots, 10 varieties		2.00
Canna, C. Henderson, and eight other varieties dry bulbs		2.00
Vinca, Variegated, 2¼-in. pots		2 50
Verbenas, April 15th		2.00

GERANIUMS.

	Per 1000	100
10 varieties 2½-in. pots	$25.00	3.00
10 varieties 3-in pots, Apl. 1		4.00
Rose Geraniums,		2.00
Double Petunias, Apl. 1		3.00
Asp. Plumosus, Apl. 1		2.00
Asp. Sprengeri, Apl. 1		2.00
Centaurea Gym. Apl. 15		2.00

—CASH—

JOS. H. CUNNINGHAM, Delaware, O.

Express Prepaid on all Rooted Cuttings and satisfaction guaranteed.

Salvias Bonfire, St. Louis...$1.00 per 100. $8.00 per 1000
Lantanas, 8 of the finest varieties, $1.25 per 100; $10. per 1000.
Coleus a grand collection (named) 70c per 100; $6.00 per 1000.
Heliotrope, 10 best varieties... $1.00 per 100; $8.00 per 1000.
Daisies, California (White) Yellow Castle (Yellow), the finest of all daisies. $1.00 per 100; $8.00 per 1000.
Petunias, Dreer's and Henderson's .... $1.25 per 100: $10.00 per 1000.
Alternantheras, red, yellow and Brilliantissima from soil, Sept. struck..70c per 100: $6.00 per 1000
Feverfew,....$1 25 per 100; $10.00 per 1000.
Vincas Variegated, $1.25 per 100; $10.00 per 1000

C. HUMFELD, Clay Center, Kas.

GERANIUMS

ROOTED CUTTINGS.

All engaged until late March or early April, will have a big lot then. Send for list and place order if wanted then.

ALBERT M. HERR, Lancaster, Pa.

Always mention The American Florist when you order stock. : : : :

Lilies For Easter.

Fine 3, 4, 5 and 6 buds. Place orders at once. Have them shipped now.

HYDRANGEAS.

6- 7- 8- and 9-inch plants, 6 to 15 heads. Place orders now and name date you want shipped.

Spireas. 4 varieties fine large plants, 35c, 50c, 75c.

Azaleas. $1.00, $1.25 and $1.50 each.

FERNS. FERNS. FERNS.

Varieties.	2½-in.	3-in.	4-in.	5-in.
Boston	$4.00	$ 8 00	$15.00	$25.00
Piersoni	7.50	12.50	20.00	40 00
Scottii	7.50	12.50	20.00	40.00
Elegantissima	7 50	12 50	25 00	50.00
Whitmani	7 50	12.50	25.00	50.00
Amerpohli	12.50	20.00	40.00	75.00
Maidenhair Ferns	5.00	10.00	25.00	
Small Ferns	5.00			
Asparagus Plumosus	3.50	8.00	15 00	25.00
Asparagus Sprengeri	3.50	5 00	10.00	25.00

Crimson Ramblers, 5- and 6 in.
Baby Ramblers, 2½-, 3-, 4- and 5-in.
Madam Soupert Roses, 3- and 4-inch.
Primrose Obconica, 2½-, 3- and 4-in.

Will all be in for Easter. All kinds of BULB STOCK. Write

GEO. A. KUHL,

Wholesale Grower, PEKIN, ILL.

DEFIANCE

The only scarlet with the real velvet color. It is there for quantity and quality. Let us have your order for early delivery.

$12.00 per 100; $100.00 per 1000.

JENSEN & DEKEMA, —674— W. Foster Ave., **Chicago.** | **W. N. RUDD, Morgan Park, Ill.**

AFTERGLOW.

$12.00 per 100; $100.00 per 1000.

Aristocrat, ...$6.00 per 100; $50.00 per 1000
White Perfection .... 3.00 per 100; 25.00 per 1000
Orders booked now for future delivery.

R. Witterstaetter, Station F, Cincinnati, O.

Kansas City.

STOCK VERY PLENTIFUL.

For the first time this winter the shops are experiencing the greatest difficulty in keeping their stocks down to the consumption. The warm weather of the past two weeks has served to bring most all kinds of stock hustling to the market, especially bulb stock, which at the present rate will be almost out before two weeks. Trade has not been up to the usual standard, but an improvement is shown over the first week in the Lenten season. Flower sales were very much in evidence last Saturday. Both the large department stores and the Alpha Floral Co. advertised specials.

NOTES.

An up-to-date florist's establishment is to be opened at Kansas City, Kans. A. T. Holmes, who has conducted the place at 512 North Sixth street, is building a fine place on Minnesota avenue, which he expects to occupy in time for the Easter rush. A conservatory will adjoin the store, which in itself is of good dimensions and should be fully up to the demands of the growing business.

R. S. Brown's Sons expect to rebuild their plant on Wabash avenue this summer. This is one of the oldest plants in the city and has decreased considerably with the growth of the city. Mr. Brown expects to do away with the east wing of the plant facing Prospect avenue, but they will increase the size of the Maywood plant.

M. E. Chandler of the Elmhurst nurseries was awarded the contract for furnishing the park board with its supply of hardy plants and trees to be used this summer in several of the large parks which are yet incomplete.

Arthur Newell is busy preparing plans for his new store in the Baltimore hotel annex. Mr. Newell expects to be able to occupy the new quarters during the summer.

Max. Eller says that he is well satisfied with his present location and that his business has shown a good increase each month. The display in the store is creditable.

A. F. Barbee is on the ticket for upper house alderman in his ward. The trade extends best wishes and success in the race.

J. M. Gasser, of the Gasser Co., Cleveland, O., died last week. Mr. Gasser was an uncle of Wm. L. Rock.

Wm. L. Rock made a most successful visit to the southern part of the state last week, in quest of ducks.

K. C.

PEORIA, ILL.—Bruno Juergens is ill with the grip.

DES MOINES, IA.—There has just been issued by the State Horticultural Society the first number of a journal to be published monthly, entitled "Iowa Horticulture." The editor is Wesley Greene, secretary of the society.

CARNATION CUTTINGS ::: **DEPEND**

On receiving only **strong** and **healthy** cuttings when you order from **us.** We have only the **nicest** and **best** varieties. Write for further information to

Guttman & Weber

The Wholesale Florist of New York.
42 West 28th Street.

Grower,
Lynbrook, L. I.

Victory, Imperial, Pink Imperial, Aristocrat, Winsor, Welcome, White Perfection, Lieut. Peary, Rose Pink Enchantress, etc.

CHRYSANTHEMUMS.

Monrovia, October Sunshine, F. A. Cobbold, Mrs. T. W. Pockett, Col. Appleton, Nellie Pockett, Cheltoni, Lady Hopetoun, White Coombes, Ben Wells and others now ready at $3.00 per 100, $25.00 per 1000; 2¼-in. pots.

If your stock is run down try some of mine and see the difference next fall. Lots of the new singles now ready.

You got my 'mum list, of course?

CHARLES H. TOTTY, Madison, N. J.

Rooted Carnation Cuttings

White.	Per 100	1000
White Perfection	$3 00	$25 00
White Enchantress	6 00	
Pink.	**Per 100**	**1000**
Enchantress	$2 00	$15 00
Rose Pink Enchantress	3 00	25 00
Lawson	1 75	15 00
Helen Goddard	2 50	
Aristocrat	5 00	
Red.	**Per 100**	**1000**
Beacon	$6 00	$45 00
Victory	3 00	25 00
Robt. Craig	3 00	25 00
Crimson.	**Per 100**	**1000**
Harlowarden	$1 75	15 00

ELI CROSS,
Cor. Ashland Ave. and Page Street. **Grand Rapids, Mich.**

CLEAN and Well Rooted Carnation Cuttings

	100	1000
White Perfection	$3 00	$25 00
Enchantress	2 00	15 00
Rose Pink Enchantress	3 00	25 00
Pink Lawson	1 75	15 00
Robt. Craig	3 00	25 00
Harlowarden	1 75	15 00
Vesper	2 00	15 00
Marion	1 75	15 00
Prosperity	1 75	15 00
Patten	1 75	15 00
Lady Bountiful	3 00	25 00

MIAMI FLORAL CO., Dayton, Ohio.

NEW YORK.—John Tarkazikes and John Chigranio, who did business as the Olympia Florist, at 57 West Forty-second street up to May 1, 1905, have filed a petition in bankruptcy, with liabilities of $2,512 and no assets. They filed a petition on June 2, 1905, which was closed up without a discharge.

CHRYSANTHEMUMS

OUR SPECIALTY.

All Leading Varieties:
Commercial, Exhibition, Decorative.
Let us quote you prices.

ELMER D. SMITH & CO.,
Successors to Nathan Smith & Son.
ADRIAN, MICH.

JOHN E. HAINES,

BETHLEHEM, PA.,

is the place to order rooted cuttings of the following varieties for 1908.

	Per 100	Per 1000
John E. Haines, red	$6.00	$50.00
Imperial, variegated	6.00	50.00
Pink, Pink	6.00	50.00
Enchantress, Light pink	6.00	50.00

Rooted Cuttings

	Per 100	1000
Lady Bountiful	$2.00	$18.00
Enchantress	2 00	18.00

Cash with order. Good stock guaranteed.

Pettit & Sharpnack, SALEM, OHIO.

QUEEN

$10.00 per 1000 from soil.

WHITE ENCHANTRESS, $5.00 per 100
Strong, well Rooted Cuttings from soil.

PHILIP SCHUPP,
37 Randolph St., CHICAGO.

WINONA The True Pink Carnation for 1908.

A Color that Attracts Attention. Once Seen, Always Wanted.

Comes nearest to Fiancee, but is a different type flower. **Never Bursts—Every Calyx Perfect.** Good, shapely, active growth. Blooms early and in quantity. A grand commercial variety. Give it a trial and compare the returns. We have a large stock, clean and healthy. Will guarantee every cutting to be first class. Order now for early de ivery. **Price: $12.00 per 100; $100.00 per 1000.** La ger lots, prices on application. With our additional glass we have more than doubled our stock of Carnation Plants, and can fill orders for rooted cuttings to even better satis'action than in past years.

FOR FEBRUARY DELIVERY AND LATER.

	Per 100	1000
Red Chief, bright scarlet	$5 00	$40 00
Bonnie Maid pink, edged white	5 00	40 00
Aristocrat cerise	6 00	50 00
Winsor pink	6 00	50 00
Beacon, orange scarlet	6 00	50 00
White Enchantress white	$6 00	$50 00
White Perfection, pure white	3 00	25 00
Rose-Pink Enchantress pink	3 00	25 00
Enchantress light pink	3 00	25 00
Lady Bountiful, white	$3 00	$25 00
Victory scarlet	3 00	25 00
Dorothy Whitney, yellow	4 00	30 00
Mrs. Patten, variegated	3 00	
Harry Fenn, crimson	3 00	

F. DORNER & SONS CO., La Fayette, Ind.

SPLENDOR

Color: Light pink. Between Mrs. T. Lawson and Winsor. Nothing finer ever introduced as a commercial variety at any price.

Strong healthy cuttings guaranteed. March delivery. **PRICE: $10.00 per 100; $75,00 per 1000; 500 at 1000 rates.**

Stevenson Bros.,
GOVANSTOWN, BALTIMORE, MD.

CARNATIONS

Rooted Cuttings. Healthy stock.

	Per 100	1000
Winsor, Helen M. Gould Beacon	$6.00	$50.00
White Enchantress	7.00	60 00
Melody, Victory	4,00	
Enchantress, Lady Bountiful, Red Lawson, Variegated Lawson, White Lawson, Daheim	3.00	25.00
Mrs. T. W. Lawson, Boston Market	2.00	15.00

Send for Catalogue.

WOOD BROTHERS
FISHKILL, N. Y.

CARNATIONS ROOTED CUTTINGS.

Now ready for shipment. Healthy Stock.

	Per 100	1000		Per 100	1000
Enchantress	$3 00	$25.00	Robert Craig	$3.00	$25.00
Rose Pink Enchantress	3.50	30.00	Vesper	2.50	20.00

ASPARAGUS PLUMOSUS.

Fine bushy plants.

	Per 100	1000		Per 100	1000
From 3-in. pots	$7.00	$60.00	From 2½-in pots	$4.00	$35.00

CYCLAMEN, Craig's Famous Strain, from seeds of our own saving, twice transplanted, 100, $4.50; 1000, $40.00.

FICUS PANDURATA, (in tubs), magnificent plants. single stems, 6-ft. high $7.50 each. Magnificent plants, branched, 5½-ft. high $7.50 each.

ROBERT CRAIG COMPANY,
Market and 49th Sts. PHILADELPHIA, PA.

LLOYD Will Not Disappoint You.

The only ever blooming **White Carnation** in existence. It is the bread and butter white of the future. Size and stem of Enchantress, with the freedom of McGowen. Easy Rooted. Excellent keeper and shipper. Best seller of any carnation on the market.

Rooted Cuttings, **$2.00** per doz., **$12.00** per **100, $100.00** per 1000; unrooted **$6.00** per **100, $50.00** per **1000.**

H. A. JAHN, New Bedford, Mass.

Cleveland.

BUSINESS FAIR.

Business the past two weeks has been fair; stock moves fairly well, especially the better kinds, but the demand is not good enough to consume nearly all the flowers that are being sent into the market. Some extra fine callas and Lilium Harrisii are seen now but they do not bring as good a price as they should. Roses were never better, but the price is very weak; the same can be said about carnations. Sweet peas are moving better than they have done in the past. Smilax is in over supply. Asparagus plumosus and A. Sprengeri are none too plentiful at this writing.

NOTES.

Westman & Getz, Euclid avenue, are having a series of very beautiful window displays. Their aim is to have something unique and attractive and they certainly succeed in carrying out their ideas.

The Ehrbar Co., Lorain avenue, reports a prospering business. Funeral work is very good, keeping Mr. Ehrbar busy.

The florists of this city showed their generous nature by contributing flowers for the victims of the recent Collinwood fire.

Smith & Fetters had quite a number of luncheons for St. Patrick's Day. The decorations were mostly green.

FORESTER.

FARMINGTON, CONN.—Mrs. Hugh Chesney has sold her greenhouses and her house on Canal street, to Joseph Haworth of Yonkers, N. Y. Mr. Haworth will continue the business.

Extra Fancy Carnation Blooms

Shipped direct to all points. Special attention to telegraph orders. Give us a trial and be convinced.

J. D. THOMPSON CARNATION CO., Joliet, Ill.

Baltimore.

TRADE IMPROVING.

Bright suns, genial southern breezes and a temperature ranging from 65° to 70° make things look as though the winter was a thing of the past, but we may have a rude awakening from our peaceful dream of birds, flowers and zephyrs before boisterous old March is past. There is some improvement manifest in trade. This is true of trade in general as well as in cut flowers. There is still some evident observance of the restrictions of Lent, but it is the earlier days of this penitential season that are marked with most rigor. Stock grows in abundance and the demand increases, though it is in a see-saw sort of way, sometimes up and sometimes down. Prices sag, too, and there is not much vim in any department. A large opening or two of department houses made some extra work.

NOTES.

Last Monday occurred the annual meeting of the Gardeners' Club, the election of officers, and the customary banquet. John J. Perry, who for some ten or more years has been the secretary of the club, declined to serve longer in that capacity, and his friends thought a proper method of showing their appreciation of his faithful service was to elect him president of the club, and this was done. Mr. Perry is also manager of the Florists' Exchange, has long been connected with the florist's business here and is widely known. The other officers elected are George Morrison, vice-president; F. G. Berger, treasurer; N. F. Flitton, recording secretary; George Talbott, financial secretary, and Chas. M. Wagner, librarian.

An ordinance has been introduced into the city council authorizing the park commission to use decorative plants from its several conservatories for the embellishment of the Fifth Regiment armory during the exhibition next month of the Society of American Sculptors. The building is an immense one and the quantity of plants of fine stature which would be needed to make an effective display seemed to exceed the available resources of individuals, and the city is to be called upon to supply the deficiency from the park collections.

Richard Vincent, Jr., of White Marsh, Md., with his wife and daughter, has started for a tour of several weeks through England, Belgium, Holland and France. Mr. Vincent is the head of the well known corporation which makes a specialty of vegetable and bedding plants. His purpose is to select new geraniums and other plants, suited to his trade from the great establishments on the other side.

S. B.

Southampton, N. Y.

The first bi-monthly meeting of the Horticultural Society was held March 5, President Clark in the chair. After the election of members and other routine business was disposed of J. Griffin read a very interesting paper on vegetable growing. After a very interesting discussion on the subject it was decided to hold a banquet after our next meeting.

U. G. A.

HARRISBURG, PA.—J. A. Kepner's new address is 1108 Market street, not 1110 as recently announced.

FRANKLYN, MASS.—Walter Slade has sold his greenhouses to Wm. Stewart of Mt. Vernon, N. J.

"THE TEST is what TELLS THE STORY."

When growers who buy by the 100 the first season order thousands the next—IT MEANS MERIT.

BEACON CARNATION

occupies this enviable position; as an all winter blooming scarlet IT HAS NO EQUAL.

Strong, vigorous, healthy cuttings, ready now, Per 100, $6.00; per 1000, $50.00.

Winsor.....Per 100, $6.00; per 1000, $50.00
White Perfection.. " " 4.00; " " 35.00
Rose Enchantress..Per 100, $4.00; per 1000, $35.00
Enchantress ..... " " 3.00; " " 25.00

Send Money Orders on Norwood, Mass.

PETER FISHER, Ellis, Mass.

100,000

STRONG WELL ROOTED **Carnation Cuttings.**

of ENCHANTRESS, BOSTON MARKET, MRS. T. W. LAWSON

READY FOR IMMEDIATE SHIPMENT.

If you desire well-rooted cuttings that are free from disease and of a vigorous constitution, that have been grown cool are guaranteed to give satisfaction as to quality and to please you as to prices. Then write me, for it will both pay you and please you.

List of novelties and leading standard varieties sent on application.

A. F. LONGREN, Des Plaines, Ill.

CUTTING SPECIALIST.

CARNATION CUTTINGS.

Well Rooted. Ready Now.

SPECIAL PRICES

To clean out benches while this lot lasts.

	Per 1000	Per 100
Enchantress	$15 00	$2 00
Lawson	10 00	1 50
J. E. Haines	15 00	2 00
Pink Imperial	$30 00	$3 50
Pink Patten	15 00	2 00
White Perfection	25 00	3 00
Winsor	50 00	6 00

ALBERT M. HERR, Lancaster, Pa.

FINE HEALTHY BENCH PLANTS

AMERICAN BEAUTY, RICHMONDS,

$6.00 per 100; $50.00 per 1000.

37-39 Randolph St.,

J. A. BUDLONG, ...CHICAGO.

CARNATIONS—Rooted Cuttings.

Immediate Delivery.

	Per 100	1000
Winsor	$6 00	$50.00
Aristocrat	6.00	50.00
Victory	3 00	25.00
Enchantress	2.00	20.00
Lawson (pink)	1 75	15.00
Lawson, (white)	2,00	18.00

STEVIA, R. C., $1.00 per 100.

Or will exchange the above for Montmort, Perkins, Poitevine or Viaud Geraniums.

Satisfaction guaranteed. **E. T. WANZER, Wheaton, Ill.**

CARNATIONS ROOTED CUTTINGS.

Aristocrat	Per 100, $ 5 00	Enchantress	Per 100, $ 2 00
Winsor	" 5 00	Lady Bountiful	" 2 00
Perfection (White)	" 2 75	Victory	" 2 75

Rose Pink Enchantress. $2.75 per 100.

SALVIA ZURICH. The Ever-blooming Salvia. Rooted cuttings, $1.75 per 100; 2-in. $3.00 per 100.

The Salvia Zurich was first introduced by us.

PERENNIAL GARDENS CO., Toledo, Ohio.

DREER DAHLIAS.

We can still supply in undivided field-grown roots, varieties as listed below. All are desirable cut flower sorts.

	Per doz.	Per 100.
A. D. Livoni (Quilled). Pink	$1.00	$ 8.00
Aegir (Cactus). Cardinal red	1.00	8.00
Alba Superba (Single). Fine large white	1.25	10.00
Arabella (Show). Light, sulphur-shaded peach	1.25	10.00
Admiral Dewey (Decorative). French purple	1.00	8.00
Amos Perry (Cactus). Free fiery red	2.50	15.00
Bon Ton (Show). Rich garnet	1.00	8.00
Black Diamond (Decorative). Purplish garnet	1.00	8.00
Blackbird (Single). Black velvety maroon	1.00	8.00
Chameleon (Fancy). Flesh, pink and yellow	1.25	10.00
Cornucopia (Cactus). Vermillion carmine	1.00	8.00
Capstan (Cactus). Soft orange scarlet	1.00	8.00
Cuban Giant (Show). Large bright maroon	2.50	20.00
Catherine Duer (Decorative). Red	1.00	8.00
Clifford W. Bruton (Decorative). Yellow	1.00	8.00
Crimson Century (Single). Crimson and rose	1.25	10.00
Duchess of Cambridge (Show). Pink tipped crimson	1.25	10.00
Else (Cactus). Amber and rose	2.50	15.00
Emily (Show). Solferino rose	1.25	10.00
Fire-rain (Decorative). Brilliant red	1.00	8.00
Frank Smith (Fancy). Maroon tipped white	1.25	10.00
Frau Hermine Marx (Cactus). Silvery rose	2.50	18.00
Frute (Cactus). Peach and cream	1.25	10.00
Flora (Cactus). Pure white	2.50	15.00
Floradora (Cactus). Blood red	1.25	10.00
Florence M. Stredwick (Cactus). White, fine form	1.25	10.00
Fanny Purchase (Show). Yellow	1.25	10.00
Gracie (Single). Delicate blush	1.00	8.00
Gen. Buller (Cactus). Red, tipped white	1.00	8.00
Gottelinde (Cactus). Yellow	1.00	8.00
Grand Duke Alexis (Quilled). Ivory white	1.00	8.00
Henry Patrick (Decorative). White	1.00	8.00
H. W. Sillem (Cactus). Cardinal red	2.50	15.00
Harbor Light (Cactus). Brilliant cochineal red	2.50	15.00
Horn of Plenty (Cactus). Deep carmine purple	1.00	8.00
J. H. Jackson (Cactus). Crimson maroon	1.25	10.00
John Thorpe (Show). Solferino rose	1.25	10.00
Kriemhilde (Cactus). Pink	1.00	8.00
Landrath, Dr. Schiff (Cactus). Rosy apricot	1.00	8.00
Lenau (Cactus). Coral red and apricot	2.50	15.00
Lyndhurst (Decorative). Bright red	1.00	8.00
Mme. Alfred Moreau (Show). Pink	1.25	10.00
Mrs. Roosevelt (Giant). Pink	2.00	15.00
Maroon Century (Single). Rich velvety maroon	2.50	20.00
Miss May Loomis (Show). White suffused rose	1.25	10.00
Queen Victoria (Quilled). Yellow	1.00	8.00
Queen of Yellows (Show). Yellow	1.25	10.00
Ruckert (Cactus). Bright red	1.00	8.00
Red Hussar (Show). Cardinal red	1.25	10.00
Reliable (Cactus). Carmine and salmon	2.50	15.00
Ringdove (Cactus). Carmine with white edge	1.00	8.00
Scarlet Century (Single). Scarlet	2.50	20.00
Shooting Star (Cactus). Golden yellow	2.50	15.00
Souvenir de Gustave Doazon (Giant). Pure scarlet	3.50	25.00
Standard Bearer (Cactus). Fiery scarlet	1.25	10.00
Sylvia (Decorative). Soft pink	1.00	8.00
Twentieth Century (Single). Pink	1.25	10.00
Uncle Tom (Cactus). Deep maroon	1.00	8.00
Walthari (Cactus). Sulphur yellow, white edges	2.50	15.00

One each of the fifty-nine varieties for $6.00

HENRY A. DREER, 714 Chestnut Street, Philadelphia, Pa.

Thr above prices are for the trade only.

GLADIOLI

Madeira Vine,

Hyacinthus Candicans,

Spotted Calla,

Oxalis, summer blooming, Cinnamon Vine Roots, German Iris, Delphinium Formosum, Lilies, etc.

—Write for Price List.—

E. S. MILLER, Wading River, N. Y.

NEW YORK.—The Van Praag Florist Co. has been formed, with capital $500. The incorporators are Marcus Van Praag, Edward McInnes and James F. Carroll, all of this city.

HILLSIDE, N. J.—The greenhouses belonging to John Bennett here caught fire and were blown up by about 50 pounds of dynamite which was stored there, March 6. Mr. Bennett had a remarkable escape from death. He had run out in his night clothes on the first alarm of fire, but seeing he could not cope with it, returned to dress and turn in an alarm. While he was away a terrific explosion occurred, shaking the ground and blowing the greenhouses into the air in sections. According to the Long Branch Record: "There is not a whole stick left of the once fine greenhouses. They lie scattered in every direction. In the house there was also considerable damage. The pictures, mirrors and bric-a-brac fell off the walls and were broken to bits. The home of Superintendent Bildernack, near there, was damaged also. The loss, according to Mr. Bennett's computation, will be over $5,000."

Gladiolus

STRICTLY FIRST SIZE BULBS.

	Per 100	1000
Princeps, medium	$9 00	$
Mrs. Francis King, best scarlet for florists' use	4 00	30 00
America, fine pink	7 50	60 00
Augusta, pure white, blue anthers	2 00	17 00
Brenchleyensis, intense scarlet	1 45	12 00
Ceres, pure white, spotted purplish rose	1 45	12 50
Madam Moneret, delicate rose color	1 75	15 00
May, pure white, flaked rosy crimson	1 75	15 00
"1900." a very rich shade of red	2 50	
Shakespeare, pure white, blotched pink and violet	4 25	38 00
Florist Mixture, made from named light and white varieties: comprises best there is in Gladiolus	1 75	15 00

VAUGHAN'S SEED STORE

CHICAGO. NEW YORK.

CANNAS

Austria, Allemania, Alsace, Bouvier, Capt. Drugeon, C. Henderson, J. D. Eisele, Florence Vaughan Kate Gray, Pres. Viger, Pennsylvania, Pres Meyer, Souv. de Ant. Crozy, $2.50 per 100: $20 00 per 1000. David Harum, $4.00 per 100: $35.00 per 1000. Egandale (3 in, pots only), $5.00 per 100 King Humbert, the king of all Cannas an extra large stock from strong 4-in. pots, $25.00 per 100.

Boston Ferns, Scottii, Elegantissima and Whitmanii, we have many thousand to offer from 2¼- to 4-in. at rock bottom prices. Can offer special bargains in R. C. **Beacon Carnations.** Write us for special prices.

W. W. COLES, Kokomo, Ind.

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,

Successors to L. K. Peacock, Inc., **ATCO, N. J.**

DAHLIAS

J. CHEAL & SONS,

Hybridizers and Growers of all classes of Dahlias.

The Nurseries, CRAWLEY, ENGLAND.

Full descriptive and illustrated catalogue containing all novelties free.

Dry Roots Specially Prepared for Export.

All growers should send for

CHEAL'S CELEBRATED

NEW DAHLIAS

NEW PLANTS

GLADIOLUS Lemoinei and Nancianus.

V. LEMOINE & SON, Nancy, France.

Catalogues on application.

Gladioli....

Write for 1908 trade list of Named Varieties, Color Sections and Choice Mixtures. First-class stock at reasonable prices:

E. E. STEWART, RIVES JUNCTION MICH.

Morris Co., N. J., Gardeners and Florists.

The March meeting of the Morris County Gardeners' and Florists' Society was devoted to carnations, as the March meeting has been carnation night for a number of years. The tables were filled and the quality of the flowers was fully up to last year. Everybody wanted to see the new ones, so we had the hall filled to the doors with members and visitors. A. R. Kennedy read a paper on the subject and as we all know him as an expert grower, we were anxious to hear him and were not disappointed. Report of the judges was as follows:

From A. Roper, Tewksbury, Mass.—Carnation Bay State, in extra fine form, scaled 90 points; certificate of merit. Seedling No. 21 scaled 76 points; honorable mention. Seedling No. 1,000, vote of thanks.

From John E. Haines, Bethlehem, Pa.—Carnation Imperial, Pink Imperial and John E. Haines; brought by A. A. Miller, of Orange, N. J., shown in excellent form, had been previously certificated; vote of thanks.

From James D. Cockcroft, Northport, N. Y.—Carnation Harvard scaled 85 points; certificate of merit.

From John Green, Morristown, N. J.—Red Seedling No. 1, White Seedling No. 2. Shown in good shape, judges would like to see more of them in large quantity.

From W. A. Manda, Orange, N. J.—Seedling No. 20, scaled 80 points; honorable mention.

From Baur & Smith, Indianapolis, Ind.—Carnation May, shown in good condition; honorable mention.

From Dailledouze Bros., Flatbush, N. Y.—Carnation Afterglow, shown in excellent condition; had already received certificate from the society; vote of thanks.

From Dr. L. D. Ward, A. R. Kennedy, grower.—White Lawson and Victory, shown in excellent condition, cultural certificate.

From R. M. Schultz.—Carnation Enchantress in good shape; vote of thanks.

From Dr. McAlpin, J. Downing gardener.—One vase carnation Winsor and one vase mixed, in good condition; vote of thanks.

From John R. Mitchell.—One vase Rose Pink Enchantress and one vase Winsor, in excellent condition; cultural certificate.

From Florham Farms, A. Herrington, Supt.—Four vases carnations in four varieties: Beacon, Robt. Craig, White Perfection and Enchantress, in excellent condition; cultural certificate.

From A. C. Van Gaasbeck, Orange, N. J., John Dervin, gardener.—One vase mixed roses, fine shape; cultural certificate.

From A. R. Whitney, H. B. Vyse, gardener.—Cineraria hybrida, a well grown lot; cultural certificate.

From Mrs. Julius Carlin, H. Entwhistle, gardener.—Primula obconica, specimen plants; cultural certificate.

From Florham Farms, A. Herrington, superintendent.—A lot of Anemone St. Bridgid; vote of thanks. One vase Cattleya Trianiæ, showing exceptionally fine type; cultural certificate. Five vases Stock Queen Alexandra, shown in excellent condition; cultural certificate; three dishes of cauliflower, Dwarf Erfurt; vote of thanks.

Next meeting, April 8, will be rose night. John R. Mitchell, whose abilities as a grower we all know, will read a paper on the subject. We will try for all the new things in the market and members promise to bring from our own vicinity samples of their productions in standard varieties. The city ought to be able to put up a good rose show.

E. R.

STAMFORD, CONN.—A. Hans has accepted the position of superintendent at the Hodenpyle estate, Locust Valley. Mr. Hans takes charge April 1.

GERANIUMS.

A splendid stock of fine plants from 2-in. pots, good standard sorts and new varieties at $2.00 per 100 and up to $1.00 each. We will send 1000 in 20 good varieties our selection for $18 50. Our Special descriptive Geranium catalogue describing over 250 varieties of Geraniums and Pelargoniums mailed free to the trade.

PELARGONIUMS,

In good variety, strong plants from 3-in. pots, $1.50 per doz., $6.00 per 100

HARDY CHRYSANTHEMUMS

Our collection of Hardy Chrysanthemums will compare favorably with any in the country, and we have an immense stock ready for shipment. Small flowered or Button varieties $2.00 per 100; large flowered or Aster type $3.00 per 100. Descriptions will be found in our wholesale list.

DAHLIA ROOTS.

We still have about 75 varieties we can offer Cactus, Decorative, Show and Pompon true to name at $5.00 per 100 and up for whole field grown clumps. One thousand, 50 each of 20 varieties our selection, for $40.00 all good kinds a splendid collection for planting or just the thing for store trade.

	Per 100
Alyssum, Giant double	2.00
Ageratum, Stella Gurney	2 00
Begonia, Vernon White and Rose	2.00
" Gracilis White and Rose	2.00
Cuphea, Cigar plant	2.00
Coleus, Verschaffeltii, Golden Bedder, and other kinds	2 00
Caladium Esculentum, first size	2.00
Second size	1.00
Fuchsias, Black Prince and Minnesota	2.00
Lieutenant Muritz, White and Rose Phenomenal	2.50
Hardy English Ivy, extra strong, $15.00 per 1000	2.00
Hardy Phlox,	2.00
Hollyhocks, strong 3-in. pot plants, dbl. white, pink, red and yellow	$3.00
Ivy Leaved Geraniums, 6 good kinds $25.00 per 1000	$3 00
Lobelia, Crystal Palace Gem	2.00
Lantanas, 5 varieties	2.00
Lavender, 2½-in. pots, strong	3.00
Panicum, Variegated, handsome basket plants	2.00
Swainsona alba	2.00
Salvia, Bonfire and Splendens	2.00
Tradescantia, dark variegated	2.00
Verbena, red, white purple and pink	2.00

Visitors always welcome. Cash with order.

R. Vincent, Jr. & Sons Co., WHITE MARSH, Balto Co., MD.

---

60 Choice Varieties of

VERBENAS

PERFECTLY HEALTHY—NO RUST.

ROOTED CUTTINGS, our selection.....$0 75 per 100; $ 6 00 per 1000
PLANTS, our selection, 2¼-inch pots..... 2 50 per 100; 20 00 per 1000

ROOTED CARNATION CUTTINGS

Clean and Healthy...

WHITE VARIETIES.	Per 100	Per 1000
White Perfection	$6 00	$50 00
White Enchantress	6 00	50 00
Lady Bountiful	3 00	25 00
My Maryland	3 00	25 00
The Queen	2 00	17 50
Queen Louise	2 00	17 50
Flora Hill	1 50	12 00
RED VARIETIES.		
Cardinal	$3 00	$25 00
Robert Craig	3 00	25 00
Flamingo	2 50	20 00
Crisis	2 00	17 50
Portia	1 50	12 00
Governor Roosevelt	2 00	17 50
Harlowarden	2 00	17 50
PINK VARIETIES.		
Enchantress	$3 00	$25 00
Mrs. Thomas Lawson	2 00	17 50
Dorothy	1 50	12 50
Mrs E A. Nelson	1 50	12 00
William Scott	1 50	12 00
Mrs. Francis Joost	1 50	12 00
YELLOW VARIETIES.		
Golden Beauty	$2 00	$17 50
Buttercup	2 50	20 00
Eldorado	2 00	17 50
VARIEGATED VARIETIES.		
Jessica	$3 00	$25 00
Mrs. M. A. Patten	2 50	20 00
Judge Hinsdale	2 50	20 00

60,000 Grafted Roses for Forcing

THE FINEST GROWN.

Orders booked for delivery in April, May and June.

	Per 100		Per 100
Chatenay, Killarney, Richmond, Liberty, La France, rose pots	$15 00	Bride, Bridesmaid, Golden Gate, Kaiserin, rose pots	$10 00
3½-inch pots	18 00	3½-inch pots	15 00

OWN ROOT ROSES.....$9 00 and $7 00 per 100

—SEND FOR PRICE LIST.—

J. L. DILLON, Bloomsburg, Pa.

LARGEST STOCK OF ALL

Belgian Plants

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

LOUIS VAN HOUTTE, PERE,
GHENT, BELGIUM.

6,000 Geraniums Left.

2-inch.....$15.00 per 1000
2½-inch..... 18.00 per 1000

SCHMAUS BROS., Paducah, Ky.

NEW VIOLET BOSTON.

In introducing this new variety to the trade I wish to state that I have been growing it in quantity for the past two years and do not hesitate to state that it is entirely distinct a strong grower a free bloomer and the finest single violet in cultivation. Ready for distribution in April and May. Orders booked now. **$2.00** per doz.; **$12.00** per 100; **$100.00** per 1000. 500 at 1000 rates.

WILLIAM SIM, Cliftondale, Mass.

ROOTED CUTTINGS. Prepaid per 100. Heliotrope German Ivy, 75c; Alternanthera 50c; Coleus, Ageratum, 60c; Salvia 85c, Fuchsia, $1.00. Seedling **Verbena,** Mammoth mixed 35c per 100, prepaid. Cash. Special price on 1000. List Free.
SHIPPENSBURG FLORAL CO. Shippensburg, Pa.

Notice to Florists

THE FRUIT AUCTION COMPANY, New York City, beginning this spring, will inaugurate daily Auction Sales at Wholesale of Plants, etc.

Exceptional facilities provided in our new building, centrally located at **200, 202** and **204 Franklin Street** (corner Washington Street).

Date of initial sale **Wednesday, April 1, 1908,** at eight o'clock in the morning. Sales daily thereafter at same hour until further notice. For terms and all other detailed information address:

THE FRUIT AUCTION CO.

P. O. Box 640, NEW YORK CITY.

Correspondence and personal interviews cordially invited. **Payments will be made to sellers of plants the day following sale.**

The movement to sell Plants by Auction at Wholesale has the support and commendation of Leading Growers and Importers.

MILWAUKEE, WIS.—The annual show of tulips and other bulbous stock is now on at Mitchell park, many thousands of fine flowers being shown in the east conservatory.

CROMWELL, CONN.—A. N. Pierson has interested himself in a large orphanage for homeless Swedish children. It was through Mr. Pierson's generosity that it was started.

RIVERSIDE, CAL.—Chas. Howard, of Pasadena, has bought five acres of land north of town and will devote them to roses. He will also build a greenhouse and a residence on the property.

JANESVILLE, WIS.—Dr. C. G. Dwight has completed his plans for his three immense greenhouses, which will be built immediately. Thirty thousand square feet of glass will be used in the structures. This glass will be shipped in one car lot and will be one of the largest shipments ever received in the city. His heating plant will be double the capacity of the three houses, which will be 27x 261 feet. It will take over 10,000 feet of 1¼-inch piping for heating. The structures of the three houses will be of iron and steel and the whole equipment of modern and approved type.

SPRINGFIELD, O.—The committee on general improvements reported to the city council at its session, March 10, that it has agreed to accept the proposition of the Florists' Club to furnish the esplanade with flowers for a period of five years, but that it desired to wait until such time as the expert, now being employed by the commercial club in the matter of mapping out the city as to beautifying it, should return his report. This, the committee thought would be in a few days, and it was moved to accept the Florists' Club's agreement before April 1. It was decided to have the Florists' Club meet with the general improvement committee.

Stock YOU NEED NOW.

BEGONIAS.

Marjorie Daw, Thurstoni, Metallica, Rubra and Argentea Guttata.....$4.00 per 100

Dahlias. (Field-grown roots.) Wm. Agnew, Countess of Lonsdale, Nymphæa, Mrs. Wellesley, Admiral Dewey, A. D. Livoni and Fern Leaf Beauty.....$5.00 per 100
Grand Duke Alexis and Kriemhilde..... 7.00 per 100

Marguerites. Queen Alexandra, $3.00 per 100
Coronation..... 3.00 per 100

Boston Ferns. Plants well established, in 2½-inch pots $4.00 per 100; $30.00 per 1000.

Bougainvillea Glabra Sanderiana.
2½-inch.....$4.00 per 100

Boxwood. Pyramids, 36 inches high, ...$1.75 each

Boxwood. Bush form, very heavy, 30 to 36 inches high.....$2.00 each

Rhododendrons. Short, well formed plants for pots, full of buds.
18-inch size.....$ 9 00 per dozen
24-inch size..... 12.00 per dozen

Azalea Mollis. Bushy plants, full of buds and easy to force.
12 to 15 inches high.....$25.00 per 100
15 to 18 inches high..... 35.00 per 100

Violets. Princess of Wales, thrifty plants from 2½-in. pots.....$3 00 per 100
Hardy English (double purple)..... 3 00 per 100

Pandanus Utilis. Fine young stock for immediate sale or growing on.
2½-inch.....$ 6 00 per 100
3-inch.....$8 00 per 100 4 inch..... 12.00 per 100

Kentia Belmoreana.
2½-inch pots.....$ 9 00 per 100
2½-inch pots.... 80.00 per 1000
3 inch pots..... 14.00 per 100
4 inch pots..... 30.00 per 100
5-inch pots..... 50.00 per 100
} Clean, Cool-grown, Extra Value.

Latania Borbonica. 3-inch pots, $6 50 per 100; 6 inch pots, 5 to 6 leaves, 15 to 18 inches high.....60c each

GERANIUMS.

Standard Geraniums our choice of varieties, in pink, red and white.....$2,00 per 100

CANNAS.

Strong 2 and 3 eye divisions. Allemania, Austria, Chas. Henderson, Fair Hope, Progression, Shenandoah, $2.00 per 100: $17.00 per 1000
Beaute Poitevine, Crimson Bedder, Egandale, Florence Vaughan, Papa Nardy..... .....$3.00 per 100; $25.00 per 1000
King Humbert.....$10.00 per 100

THE STORRS & HARRISON CO., Painesville, Ohio

SALVIA ZURICH.

The Ever-Blooming Salvia.

Propagation from carefully selected stock; absolutely true and of even type. 2-in. $1.00 for 25, $3.00 for 100; $25.00 for 1000. Rooted cuttings $1.75 for 100; $15.00 per 1000.

J. L. Schiller, 929 Prouty Avenue TOLEDO, O.

Alternantheras.

Strong rooted cuttings, red and yellow, 50c per 100, or $4.00 per 1000. **Brilliantissima** 60c per 100, or $5.00 per 1000.

DAVIS BROS., Morrison, Ill.

Asparagus Plumosus Nanus

□ We handle this Asparagus both in seeds and plants of all sizes, in very large quantities and make very close prices on larger amounts on application. Our seed is pure fresh, of best germinating quality and extraordinary vitality **Northern Greenhouse-Grown Seed.** Per 100 seeds, **60c;** 250 seeds **$1.25;** 1000 seeds, **$4.00;** 5000 seeds **$19.50;** 10,000 seeds, **$37.50.** □ Price for larger lots on application.

Vaughan's Seed Store Chicago and New York

Dallas, Tex.

The cut flower business in this part of the country has been beyond expectation.

The Green Floral Nursery Co. has about 200,000 square feet of glass and this is the first season the company has grown roses and carnations to any extent. It has been the impression here that roses could not be grown to compete with the flowers grown in the north, but Alex. Miller, manager of the above company, has demonstrated the fact that as good roses can be grown here as anywhere in the country. His American Beauty, Bride and Bridesmaid have been exceptionally fine. Through a lack of boiler capacity he was handicapped with his carnations; he grows about 75,000 and is cutting from 5,000 to 8,000 per day. The company has a large wholesale store at 221 Commerce street, where all the cut flowers from the greenhouses are handled; up to the beginning of Lent carnations and roses were short though since then there has been a little surplus of carnations and to remove this on March 7 the company made a deal with one of the large department stores which took 20,000 and wanted more.

Davenport, Ia.

The Tri-City Florists' Club held its annual meeting March 5 at the residence and greenhouses of Harry Bills on North Brown street, a good attendance being a feature of the meeting. Officers for the ensuing year were elected as follows:

William Knees, Moline, Ill., president; Harry Bills, vice-president for Davenport; H. Gaethje, vice-president for Rock Island; Peter Baker, vice-president for Moline; J. T. Temple, Davenport, secretary; Theodore Ewoldt, financial secretary; C. O. E. Boehm, treasurer.

It was decided to hold the annual banquet of the club on the evening of March 19 at the Rock Island Turner hall. The discussion was, "What Are the Best Pot Plants for Spring Sale?" Some fine refreshments were served by the host. The guests went through the greenhouses, inspecting his stock, upon which they commented very favorably, finding everything in good condition.

FERNS

	Per 100	1000		Per 100	1000
2¼-in. Boston, extra strong	$ 3 00	$ 25 00	3 -in. Scottii and Elegantissima	$ 8 00	$ 75 00
3 -in. Boston, extra strong	6 00	55 00	4 -in. Scottii	12 50	100 00
4 -in. Boston, extra strong	10 00	95 00	4 -in. Elegantissima	15 00	
2¼-in. Scottii and Elegantissima	4 00	35 00	6 -in. Boston and Piersoni	35 00	

2¼-inch Asparagus Plumosus.....$3 00 per 100; $25 00 per 1000
3 -inch Asparagus Plumosus..... 5 00 per 100; 45 00 per 1000
2¼-inch Asparagus Sprengeri..... 2 25 per 100;
3 -inch Asparagus Sprengeri..... 5 00 per 100;
4 -inch Asparagus Sprengeri..... 8 00 per 100;

PERENNIALS. Shasta Daisies, Gaillardia, Hardy Pinks Coreopsis etc. Seedling, transplanted and fie ld grown clumps

Horse Radish Sets, $3.00 per 1000.

THE MOSBÆK GREENHOUSE CO., ONARGA, ILL.

Vanda Cœrulea The Popular Blue Orchid

ARRIVED in superb condition, a large shipment of this fine Orchid, useful and profitable for cutting as well as for exhibitions. Don't miss the opportunity to secure some of these plants **now**

TO ARRIVE from May on, shipments of various kinds of Orchids too numerous to mention here. Write for prices.

We have always on hand all kinds of supplies for Orchid-culture, such as selected peat, live sphagnum moss, orchid baskets, etc.

LAGER & HURRELL,
SUMMIT, - NEW JERSEY,

Orchids

The largest importation of Orchids ever received in this country will arrive next spring from Brazil, Venezuela and Colombia. If you intend putting in a stock wait for these to arrive and we will quote you the lowest prices in America.

ORDONEZ BROS.
Madison, N. J.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World.

SANDER, St. Albans, England.

NEW YORK OFFICE: Room 1, 235 Broadway. **T. MELLSTROM** Agent.

ORCHIDS. Advices from our Columbian, Venezuelan, Brazilian collectors inform us they are shipping elegant lots of goods; these will reach us April and May. If you need any write us at once; we will treat you well.

CARRILLO & BALDWIN,
Orchid Growers and Importers.
SECAUCUS, NEW JERSEY.

Imported Orchids

JUST TO HAND. Lælia Purpurata, Cattleya Intermedia, Cattleya Mossiæ.

JULIUS ROEHRS CO.,
The Orchid Nurseries, RUTHERFORD, N. J.

A FEW GOOD THINGS YOU WANT.

Asparagus Sprengeri, 2-in., $2.50 per 100; 3-in., $5.00 per 100. Seedlings, $1.00 per 100.
Geraniums, S. A. Nutt, John Doyle, Perkins, Ricard, Double Gen. Grant, 2-in. pots, $2.50 per 100; Rooted Cuttings, $1.25 per 100. E. H. Trego, Castellane, Poitevine, Viaud, 2-in. pots, $3.00 per 100; rooted cuttings, $1.50 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100; 3-in., $5.00 per 100.
Boston Ferns, 5-in., 30c each.
Vinca Var., 2-inch, $2.00 per 100.
Dracena Indivisa, 2-in. $3.00 per 100.
Gladiolus Bulbs, light colors, $1.00 per 100.
Rex Begonia, $5.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the Express Companies properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

Cinerarias

3, 4, 5 and 6 inch pots, **80c, $1.75, $3.00** and **$4.75** per doz:

Write for prices on **BEDDING PLANTS.**

Please send cash with order.

CHAS. SHERWOOD,
WATERLOO, IA.

Rooted Cuttings

	Per 100	1000
Coleus, plenty of variety	$ .70	$6.00
Heliotrope, Salvias,	1.00	8 00
Petunias, double	1 25	10.00
Alyssum, double	1.00	8 00
Ageratums,	.60	5 00
Pelargoniums,	2.50	

Everything named. Express paid. Cash with order

S. D. BRANT, The Clay Center Florist, CLAY CENTER, KAN.

Berkshire Petunia

A fine free flowering fringed pink double Petunia. Flowers measuring 3 inches across; a most valuable acquisition, with no "fancy" price attached.

ROOTED CUTTINGS,
$2 50 per 100; $20.00 per 1000; 500 at 1000 rates.

Stock grown at and sent from Pittsfield, Mass.

S. S. SKIDELSKY
1731 N. 18th St., Philadelphia, Pa.

Sprengeri, 2-in. 2c **Swainsona alba**, 2-in., 2c, **Heliotrope**, 2 in. 2c. **Feverfew**, 2-in. 2c. **Coleus**, 2-in. 2c **White Ageratum**, 2½-in 2c. **Ferns**, Piersoni. Elegantissima. 2-in. 3c. **Hollyhock**, single, field-grown. $2.50 per 100.
Rooted Cuttings prepaid per 100: **Flowering Begonias**, $1.25 per 100; **Paris Daisies**, yellow and white, $1.00 per 100: Alexandra $1.25. **Petunia**, double. 10 kinds $1.00: **Swainsona Alba**, $1.00. **Cuphea**, 75c. **Heliotrope**, 3 kinds $1 00. **Fuchsia**, 5 kinds. $1.25. **Vinca Variegata**, 90c. **Hardy Pinks**, 5 kinds. 75c. **Alternanthera**, 3 kinds. 50c. **Coleus**, 10 kinds, **Ageratum**, White Inimitable. 60c. **Alyssum**, dbl., 75c **Salvia**, Bonfire 90c. **Feverfew**, Gem. $1.00. **Parlor Ivy**, 75c. **Impatiens**, 3 kinds, $1.00.

Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

Neph. Whitmani

2¼-inch......................$ 5.00 per 100
3½-inch...................... 25,00 per 100

Boston Ferns 2¼-inch, $3.00 per 100.

Henry H. Barrows & Son, WHITMAN MASS.

ARAUCARIAS.

Nice plants from 5-in. pots. 4 to tiers

60c each; $5.50 per dozen.

The Conard & Jones Co. WEST GROVE, PA.

Nephrolepis Amerpohlii

For immediate delivery. Good strong plants from 2½-in. pots. $15.00 per 100.

JANESVILLE FLORAL CO.,
JANESVILLE, WIS.

PREPARE FOR EASTER

No dull times at Aschmann's. Come and see our BIG RUSH in shipping **Azalea Indica, etc.** Why? No wonder! Our **Azaleas** are of first-class No. 1 stock.

We make a specialty of importing every year an immense choice stock of this so well favored Easter plant.

Azalea Indica. We make a specialty of importing every year an immense stock of the choicest varieties popular in America, grown under contract for us by an Azalea specialist in Ghent, Belgium. If you need Azaleas, don't look around in vain all over the country for bargains, but come or write direct to us. We will be able to supply you with the best obtainable in the American market; full of buds; in good, healthy condition, right for Easter; all planted in October or November in 6 to 7 in. pots.

☞ **Take Notice.** We do not sell Azaleas in the fall, having the best picked out (and having the rubbish left for Easter), but we keep them all full of buds for our customers for Easter. Mme. Van der Cruyssen (2,500 of them), this is the best double pink variety known to the market, round as an apple, covered with buds; Simon Mardner (dbl. pink), Vervæneana (variegated dbl. rose), Bernard Andreas Alba (dbl. white), Niobe (dbl. white), Deutsche Perle (dbl. white), Empress of India (dbl. variegated), Professor Wolters, and about six more varieties. Price: 6-7-in. pots, 60c, 75c, $1.00, $1.25, $1.50, $1.75 to $2.00 each.

Come on! Mail your orders direct to headquarters. Our reputation over the entire country, from the Atlantic to the Pacific, in growing Easter plants for the wholesale market, for the last fifteen years, ought to be sufficient guarantee as to the truth of what we say and advertise. Be wise. Never mind about that nonsense—hard times talk! ☞ Look for a big Easter trade, which is sure to come. ☞ Secure your orders in time while we have plenty of stock. All our houses are full to their utmost capacity with the choicest plants in bud and bloom, just right for Easter or earlier if wanted.

Araucarias Robusta Compacta and **Glauca**, a perfect marvel and wonder of nature. We are one of the heaviest importers and cultivators of this beautiful decorative plant. Our plants are about the same in height as in width.

Robusta Compacta, 7-in. pots, specimen plants, 6-year-old, 5 tiers, 27 to 30 in. high, $2.00 to $2.50 each.

Excelsa Glauca, specimen 7-in. pots, 6-year-old (the fine bluish-green color makes or gives this variety a fine, striking appearance—sells at sight), 30 to 40 in. high, 4, 5 and 6 tiers, $1.50, $1.75, $2.00, $2.50 to $3.00 each.

Araucaria Excelsa, 6-in. pots, 4 to 5 years old, 20 to 25 in. high, 4,5 and 6 tiers. 75c to $1.00 each; 5¼-in. pots, 3 years old, 3 to 4 tiers, 7, 8, 10 to 14 in. high, 40c to 50c each.

Choice Nephrolepis, all pot-grown.

Boston Ferns, 8-in., as big as a washtub. $1.25 to $1,50 each; 7-in., $1.00; 6-in., 50c; 5 to 5½-in., 35c to 40c.

Scottii Ferns, 7-in., $1.00 to $1.25; 6-in., 50c; 5½-in., 40c.

Whitmani Ferns, 8-in., $1.50; 6-in., 50c; 4-in., 25c.

Neph. Amerpohli, the new lace fern, 5¼-in. pots, 50c to 60c.

Ferns for Dishes, 3-in., large, 7c,

Primula Obconica, 5¼-in., in bloom, $2.00 to $2.50 per doz.

Hyacinths, raised from first-class bulbs of our own importation. These hyacinths cannot be compared with the ordinary stock raised from cheap bulbs flooding the market. King of the Blues (dark). Grand Maitre (lavender blue), Gertrude (pink), La Grandesse (white), 4-in. pots, $12.00 per 100.

Tournesol Tulips, red and yellow variegated. This is the best selling double tulip on the market; it will stay in bloom and in good condition for ten days. Price: 3 bulbs planted in 4-in pot, $1.50 per doz. pots, or $12.00 per 100.

Our immense stock of choice Easter plants, blooming Easter week or earlier if desired, are now ready for immediate shipment.

Double Von Sion Daffodils, the best selling double yellow narcissus on the market; sells at sight; 3 double nosed bulbs planted in one pot. 5, 5½ to 6-in. pots, $2.00 to $2.50 per doz. pots.

Ipomea Noctiflora, or pure white Moonflower, very fragrant, and big as a saucer. On this variety we have a world-wide reputation as a grower and shipper for the last twenty years. Price; 2½-in. pots, $5.00 per 100.

Ficus Elastica or **Rubber Plant**, home grown and Belgium stock, 5, 5½, 6 and 7 in. pots, 30c, 35c, 50c, 60c and 75c each.

Begonia Improved Erfordii, 4-in. pots, very large, $2.00 per doz.; 5¼-in., in bloom and bud, 25c each, or $3.00 per doz. **Begonia Flambeau**, 5½-in. pots, sells on sight, 25c.

Cyclamen Grandiflora, 4-in., in bud and bloom, 20c.

Hydrangea Otaksa, 6 to 7 in pots, in bud, 35c, 50c, 75c and $1.00 each; right for Easter.

Spirea Gladstone. 6 to 7-in. pots, large stock, right for Easter, in bud now, 50c to 75c.

Dracena Bruanti, from Belgium, full of green foliage from bottom to top, 6-in. pots, 22 to 25 in. high, 40c each

Cineraria Hyb., 5-in., 20c each; 6-in., $3.00, $4 00 to $5.00 per doz.

Kentia Belmoreana and **Forsteriana**, Belgium and home-grown stock, 4-in. pots, 18 to 20 in. high, 35c; 5¼, 5½ and 6 in. pots, bushy plants, 50c, 60c and 75c each.

Latania Borbonica, 5-in., 30c.

EASTER LILIES. Japan Multiflorum. of our own importation, raised from special 10-in. bulbs, 6-in. pots, right for Easter. This year I can say we have the finest lot we ever had. Have about 5,000 to offer. Please send your order in time this year, as we have such a big demand every year for Lilies that some cannot be supplied. They are 13 to 40 inches in height, and we can meet all wants if ordered before supply runs out. Prices as usual. Plants above 5 buds, 10c; plants under 5 buds, 12c per bud. (Medium height).

Have **Azaleas** White Deutsche Perle and Vervæneana now in bloom if wanted. 60c, 75c to $1.00 each.

We Print No Catalogue. These are our lowest prices to all. Strictly no preferences. Complaints will be investigated.

Cash with order, please. To save express charges, please mention if in or out of pots.

GODFREY ASCHMANN, **1012 West Ontario Street,** **Philadelphia**
Importer, Wholesale Grower and Shipper of Pot Plants.

OMAHA, NEB.—Frank Sahan, florist at the city parks, died suddenly March 13.

WESTPORT, CONN.—Niel Jacobson, who has been employed as foreman the past few years at E. J. Taylor's greenhouses, has resigned.

JACKSONVILLE, FLA.—The Times-Union has an interesting illustrated article on the fine plant of Mills, the Florist, showing views of his greenhouses and residence.

WILKESBARRE, PA.—Announcement has been made that W. M. Eldridge & Co., who have been in business here for the past 25 years, will, on April 1, discontinue business. Eldridge & Co. have been recognized among the leading florists of northeastern Pennsylvania and their retirement is greatly regretted. The entire stock and fixtures will be sold before April 1.

NEW HAVEN, CONN.—Egbert Thrall, of 106 Willard street, a landscape gardener employed by the Elm City Nursery Co., was found lying unconscious near the railroad tracks at Stony Creek, March 6, as a result of a fall over an embankment. The engineer of the Shore Line express saw Thrall near the tracks and thought he had been hit by a train. When picked up it was found that his injuries consisted of a few cuts on the face and head. After his cuts were dressed at the hospital Mr. Thrall went to his home.

HOLLYWOOD, CAL.—A flower show with a gorgeous floral parade and a tournament in which society horsemen and horsewomen will strive for honors, the period of festivity to wind up with a ball, is planned by the woman's club in conjunction with the Hollywood club, composed of the leading men of the city, to be held April 30, May 1-2. This festival of flowers will be the crowning effort of the year on the part of this public-spirited organization of women, to whose efforts in the last three years the city owes its library, the cleaning-up and beautification of the city accomplished on Arbor day and other public benefits.

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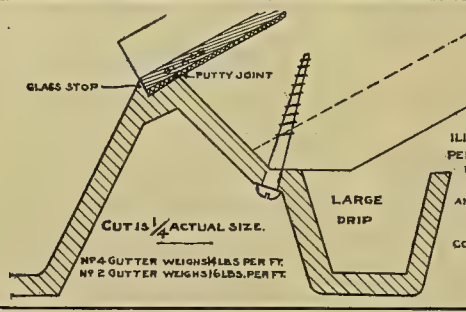

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Ageratums, Little Blue Star, R. C., 75c; 2¼-in., $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Ageratums, R. C., White Inimitable, 60c; white, 2½-in., 2c. Byer Bros., Chambersburg, Pa.

Ageratums, 60c per 100. Shippensburg (Pa.) Floral Co.

Ageratums, 60c per 100; $5 per 1,000. S. D. Brant. Clay Center, Kans.

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Alternantheras, R. C., red, and yellow, 50c per 100; $4 per 1,000. Brilliantissima, 60c per 100; $5 per 1,000. Davis Bros., Morrison, Ill.

Alternantheras, 4 kinds, strong plants, R. C., 2¼-in., $5 and $18 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Alternantheras, 3 kinds, 50c. Byer Bros., Chambersburg, Pa.

Alternantheras, 50c per 100. Shippensburg (Pa.) Floral Co.

ALYSSUMS.

Alyssum, giant and dwarf, R. C., $1; 2¼-in., $2.25 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Alyssum, giant double, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Alyssum, dbl., R. C., $1 per 100; $8 per 1,000. S. D. Brant, Clay Center, Kans.

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Water hyacinths, $2 per 100; $10 per 1,000, also Fish grasses or any other water plants. B. M. Wichers & Co., Gretna, La.

ARAUCARIAS.

Araucarias, robusta compacta, 7-in., 5 trs., 27 to 30 ins., $2 to $2.50 each. Excelsa glauca, 7-in., 30 to 40 ins., 4 to 6 trs., $1.50 to $3 each. Excelsa, 6-in., 4 to 6 trs., 20 to 25 ins., 75c to $1; 5¼-in., 3 to 4 trs., 7 to 14 ins., 40c to 50c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Araucarias, 5-in., 4 to 5 tiers, 60c each; $5.50 per doz. Conard & Jones Co., West Grove, Pa.

Araucarias. L. Van Houtte, Ghent, Belgium.

ASPARAGUS.

Asparagus plumosus, 2½-in., $3.50 per 100; $30 per 1,000; 3-in., 6c; 3½-in., 10c; 4-in., 12c; 5-in., 20c; 6-in., 30c. Comorensis, 2-in., 2c; 2½-in., 3c; 3½-in., 6c. Sprengeri, 2½-in., 3c; 3½-in., 8c; 4-in., 10c. J. W. Dunford, Clayton, Mo.

Asparagus plumosus, 2½-in., $3.50; 3-in., $8; 4-in., $15; 5-in., $25. Sprengeri, 2½-in., $3.50; 3-in., $5; 4-in., $10; 5-in., $25. Geo. A. Kuhl, Pekin, Ill.

Asparagus plumosus, 2-in., $2.75 per 100; $25 per 1,000; seedlings, $1.25 per 100; $9 per 1,000. Wm. F. Kasting Co., Buffalo, N. Y., or Erie Floral Co., Erie, Pa.

Asparagus plumosus, 3-in., $7 per 100; $60 per 1,000; 2¼-in., $4 per 100; $35 per 1,000. Robt. Craig Co., Market and 49th Sts., Phila.

Asparagus plumosus, extra strong, 2¼-in., 3-in., 4-in., 5-in., $3, $5. $8 and $10 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Asparagus plumosus, 6-in., for benching, $15 per 100; $125 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Asparagus plumosus, 3-in., $5 per 100. Buffalo Cut Flower Co., Buffalo, N. Y.

Asparagus plumosus, 4-in., $10 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus plumosus, $2 per 100; Sprengeri, $2 per 100. Jos. H. Cunningham, Delaware, O.

Asparagus Sprengeri, 2¼-in., extra strong plants ready to shift into 3½-in., $2.50 per 100. The Perennial Gardens Co., Toledo, O.

Asparagus Sprengeri, 3-in., 4c. Plumosus nanus, 3-in., 4c. J. D. Thompson Carnation Co., Joliet, Ill.

Asparagus Sprengeri, 2-in., 2c. Byer Bros., Chambersburg, Pa.

AZALEAS.

Azaleas, Mme. Van der Cruyssen, Simon, Mardner, Vervæneana, Bernard Andreas alba, Niobe, Deutsche, Perle, Empress of India, Prof. Wolters, etc., 6 to 7-in., 60c to $2 each. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Azalea mollis, full of buds, 12 to 15 ins., $2 per 100; 15 to 18 ins., $35 per 100. Storrs & Harrison Co., Painesville, O.

Azalea mollis, full of buds, 50c each; $4.50 per doz. Vaughan's Seed Store, Chicago and New York.

Azalea amœna. Elizabeth Nursery Co., Elizabeth, N. J.

Azaleas. J. W. Dunford, Clayton, Mo.

Azaleas. Geo. A. Kuhl, Pekin, Ill.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

Azaleas. Jacs Smits, Ltd., Naarden, Holland.

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Bay trees. L. Van Houtte, Pere, Ghent, Belgium.

Bay trees. W. & T. Smith Co., Geneva, N. Y.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

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Begonia, improved Erfordii, 4-in., $2 per doz.; 5¼-in., in bloom, 25c each. Flambeau, 5½-in., 25c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Begonias, Marjorie Daw, Thurstoni, Metallica, Rubra and Argentea Guttata, $4 per 100. Storrs & Harrison Co., Painesville, O.

Rex begonias, $5 per 100; $45 per 1,000. Dingee & Conard Co., West Grove, Pa.

Begonias, flowering, R. C., $1.25 per 100. Byer Bros., Chambersburg, Pa.

Begonia Gloire de Lorraine, 2¼-in., $15 per 100; $140 per 1,000. Wm. F. Kasting, Buffalo.

Begonias, L. Van Houtte, Pere, Ghent, Belgium.

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Bougainvillea glabra Sanderiana, 2½-in., $4 per 100. Storrs & Harrison Co., Painesville,

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Bulbs of all kinds. A. T. Boddington, 342 W. 14th St., New York.

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Bulbs, hyacinths, single, King of the Blues, Czar Peter, Norma, etc., $3 per 100; mixed, $2 per 100; double: Goethe, Lord Raglan, Pure d'Or, Bloksberg, etc., $3 per 100; Crocus, named, $3 per 1,000; mixed yellow; mixed purple, $2.50 per 1,000. Dingee & Conard Co., West Grove, Pa.

Bulbs, Lilium Harrisii; also Spiræa Gladstone, Lilium Auratum, Speciosa album, S. rubrum; Japan iris. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, hyacinths, tulips, narcissus, crocus, spiræas, gladiolus. Van Zanten Bros., Hillegom, Holland.

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California Privet, transp., 2-years, 2 to 3 ft., $3 per 100; 1½ to 2 ft. branched, $2 per 100; $18 per 1,000; 15 to 18 ins., $1.50 per 100; $14 per 1,000; 12 to 15 ins., $11 per 1,000. The E. Y. Teas Co., Centerville, Ind.

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Cannas. J. M. Thorburn & Co., 33 Barclay St., New York.

Cannas, leading vars., $10 per 1,000 up. Dingee & Conard Co., West Grove, Pa.

Cannas, Chas. Henderson, $2 per 100. Jos. H. Cunningham, Delaware, O.

CARNATIONS.

Carnations, White Perfection, White Enchantress, $6 per 100; $50 per 1,000. Lady Bountiful, My Maryland, Cardinal, Craig, Enchantress, Jessica, $3 per 100; $25 per 1,000. The Queen, Q. Louise, Crisis, Gov. Roosevelt, Harlowarden, Mrs. T. Lawson, G. Beauty, Eldorado, $2 per 100; $17.50 per 1,000. Flora Hill, Portia, Mrs. Nelson, Wm. Scott, Joost, $1.50 per 100; $12 per 1,000. Flamingo, Buttercup, Mrs. Patten, Judge Hinsdale, $2.50 per 100; $20 per 1,000. Dorothy, $1.50 per 100; $12.50 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Carnations, rooted cuttings, Afterglow, Andrew Carnegie, Defiance, Sarah Hill, Winona, $12 per 100; $100 per 1,000. White Enchantress, $6 per 100; $55 per 1,000. Lady Bountiful, Victory, Robt. Craig, Enchantress, $3 per 100; $25 per 1,000. Aristocrat, Winsor, $6 per 100; $45 per 1,000. Red Chief, Red Riding Hood, $5 per 100; $40 per 1,000. Pink Patten, Mrs. Patten, $2.50 per 100, $20 per 1,000. Mrs. T. W. Lawson, Prosperity, $2 per 100; $15 per 1,000. Rose Pink Enchantress, $4 per 100; $30 per 1,000. Vaughan's Seed Store, Chicago and New York.

Carnations. White Lawson, Pink Lawson, R. C., $2 per 100; $20 per 1,000; 2½-in., $35 per 1,000. Var. Lawson, R. C., $2.20 per 100; $20 per 1,000; 2½-in., $35 per 1,000. Victory, Rose Pink Enchantress, Enchantress, R. C., $3 per 100; $25 per 1,000; 2½-in., $40 per 1,000. Winsor, White Enchantress, Aristocrat, R. C., $5 per 100; $45 per 1,000; 2½-in., $60 per 1,000. White Perfection, R. C., $4 per 100; $35 per 1,000; 2½-in., $50 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

CARNATIONS.

	100	1,000
Enchantress	$2.50	$20.00
Lawson	2.00	15.00
Robt. Craig	2.50	20.00
W. Cloud	1.50	10.00
W. Lawson	2.00	15.00
Nelson Fisher	2.50	20.00

WIETOR BROS., 51 Wabash Ave., Chicago.

If you do not find what you need in our Ready Reference Department, write us about it.

Carnations, Winona, $12 per 100; $100 per 1,000. Red Chief, Bonnie Maid, $5 per 100; $40 per 1,000. Aristocrat, Winsor, Beacon, White Enchantress, $6 per 100; $50 per 1,000. White Perfection, Rose Pink Enchantress, Enchantress, Lady Bountiful, Victory, $3 per 100: $25 per 1,000. Dorothy Whitney, $4 per 100: $30 per 1,000. Mrs. Patten, Harry Fenn, $3 per 100. F. Dorner & Sons, La Fayette, Ind.

Carnations, White Perfection, Rose Pink Enchantress, Victory, Robt. Craig, $3 per 100; $25 per 1,000. White Enchantress, $6 per 100. Enchantress, $2 per 100; $15 per 1,000. Lawson, $1.75 per 100; $15 per 1,000. Helen Goddard, $2.50 per 100. Aristocrat, $5 per 100. Beacon, $6 per 100; $45 per 1,000. Harlowarden, $1.75 per 100; $15 per 1,000. Eli Cross, Grand Rapids, Mich.

Carnations, Lawson, $1.50 per 100; $12.50 per 1,000. Winsor, $5 per 100; $40 per 1,000. Rose Pink Enchantress, $3 per 100; $25 per 1,000. Enchantress, White Lawson, Lady Bountiful, $2 per 100; $15 per 1,000. B. Market, $1.25 per 100; $10 per 1,000. Beacon, $5 per 100; $40 per 1,000. Robt. Craig, $2.50 per 100; $20 per 1,000. Cardinal, $2 per 100; $17.50 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Carnations, Winsor, Helen Gould, Beacon, $6 per 100; $50 per 1,000. White Enchantress, $7 per 100; $60 per 1,000. Melody, Victory, $4 per 100. Enchantress, Lady Bountiful, Red Lawson, V. Lawson, W. Lawson, Daheim, $3 per 100; $25 per 1,000. Mrs. Lawson, B. Market, $2 per 100; $15 per 1,000. Wood Bros., Fishkill, N. Y.

Carnations, Enchantress,, J. E. Haines, P. Patten, $2 per 100; $15 per 1,000. Lawson, $1.50 per 100; $10 per 1,000. Pink Imperial, $3.50 per 100; $30 per 1,000. White Perfection, $3 per 100; $25 per 1,000. Winsor, $6 per 100; $50 per 1,000. A. M. Herr, Lancaster, Pa.

Carnations, Winsor, Aristocrat, $6 per 100; $50 per 1,000. Victory, $3 per 100; $25 per 1,000. Enchantress, $2 per 100; $20 per 1,000. Lawson, $1.75 per 100; $15 per 1,000. White Lawson, $2 per 100; $18 per 1,000. E. T. Wanzer, Wheaton, Ill.

Carnations, Enchantress, Lady Bountiful, $2.50 per 100; $20 per 1,000. Rose Pink Enchantress, $3 per 100; $25 per 1,000. White Perfection, $4 per 100; $35 per 1,000. Queen, $2 per 100; $15 per 1,000. Bassett & Washburn, 76 Wabash Ave., Chicago.

Carnations, rooted cuttings, White Enchantress, Beacon, Red Nelson Fisher, Winsor, Aristocrat, $5 per 100; $45 per 1,000. Winsor, Beacon and White Lawson from soil, topped and breaks started, $1 per 100 extra. A. C. Canfield, Springfield, Ill.

Carnations, Beacon, Winsor, $6 per 100; $50 per 1,000. White Perfection, Rose Enchantress, $4 per 100: $35 per 1,000. Enchantress, $3 per 100; $25 per 1,000. Peter Fisher, Ellis, Mass.

Carnations, Pure White Enchantress, strong healthy, well rooted cuttings, $6 per 100; $50 per 1,000, Satisfaction guaranteed. A. J. Stahelin, Redford, Mich.

Carnations, Enchantress, $3 per 100; $25 per 1,000. Rose Pink Enchantress, $3.50 per 100: $30 per 1,000. Robert Craig, $3 per 100; $25 per 1,000. Vesper, $2.50 per 100; $20 per 1,000. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Carnations, well rooted cuttings, good stock, White Enchantress and Aristocrat, $6 per 100; $50 per 1,000. Winsor and Helen Gould, $5 per 100; $40 per 1,000. Geo. F. Eakas, Sta. E., Baltimore, Md.

Carnations, Aristocrat, Winsor, $5 per 100; W. Perfection, $2.75; Enchantress, Lady Bountiful, $2; Victory, $2.75; Rose Pink Enchantress, $2.75. Perennial Gardens Co., Toledo, O.

Carnations, Victory, Imperial, Pink Imperial, Aristocrat, Winsor, Welcome, White Perfection, Lieut. Peary, Rose Pink Enchantress. Guttman & Weber, 42 W. 28th St., New York.

Carnations, rooted cuttings of all the new and leading commercial varieties. Send for price list. Wm. Swayne, Box 226, Kennett Square, Pa.

Carnations, Andrew Carnegie, $12 per 100; $100 per 1,000. Aristocrat, $6 per 100; $50 per 1,000. Chicago Carnation Co., Joliet, Ill.

Carnations, rooted cuttings, Fair Maid, Queen, $1 per 100; $8 per 1,000. Napoleon Lemay, 325 Hillman St., New Bedford, Mass.

Carnation Lloyd, R. C., $2 per doz.; $12 per 100; $100 per 1,000; unrooted, $6 per 100; $50 per 1,000. H. A. Jahn, New Bedford, Mass.

Carnations, Lady Bountiful, Enchantress, $2 per 100; $18 per 1,000. Pettit & Sharpnack, Salem, O.

Carnation Splendor, $10 per 100; $75 per 1,000. Stevenson Bros., Govanstown, Balto.

Carnations, Enchantress, Boston Market, Lawson, etc. A. F. Longren, Des Plaines, Ill.

Carnation, Defiance, $12 per 100; $100 per 1,000. Jensen & Dekema, 674 W. Foster Ave., Chicago, or W. N. Rudd, Morgan Park, Ill.

Carnations, John E. Haines, Imperial and Pink Imperial, Enchantress, $6 per 100; $50 per 1,000. John E. Haines, Bethlehem, Pa.

Carnations, 4,000 extra fine Winsor, 2½-in., $6 per 100; $50 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, Queen, $10 per 100. White Enchantress, $5 per 100. Philip Schupp, 37 Randolph St., Chicago.

Carnation Afterglow, $2 per doz.; $12 per 100; $100 per 1,000. R. Witterstaetter, Sta. F., Cincinnati, O.

Carnation Beacon, R. C. W. W. Coles, Kokomo, Ind.

Carnations. E. G. Hill Co., Richmond, Ind.

CATALPA.

Catalpa speciosa seed, true, clean, 75c per lb.; 100 lbs., $65. The E. Y. Teas Co., Centerville, Ind.

CHRYSANTHEMUMS.

CHRYSANTHEMUMS.

White.	Per 100	Pink	Per 100
Oct. Frost	$3.00	Monogram	$2.00
Estelle	2.00	Lady Harlett	3.00
Polly Rose	2.00	Balfour	2.50
Robinson	2.00	Mary Mann	2.00
Merry Xmas	2.00	Mrs. Perrin	2.00
Yanoma	2.50	Dr. Enguehard	2.00
A. Byron	2.50	Maud Dean	2.00
W. H. Chadwick	3.00	Yellow	
T. Eaton	3.00	Appleton	$2.00
C. Touset	2.00	Golden Beauty	3.00
Beatrice May	3.00	Golden Wedding	2.50
Kalb	2.00	Oct. Sunshine	2.00
W. Bonnaffon	2.00	Chas. Cronin	2.00
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WIETOR BROS., 51 Wabash Ave., Chicago.

Chrysanthemums, rooted cuttings: White, Timothy Eaton, Mrs. Geo. S. Kalb, fine early; Estelle, White Bonnaffon, Alice Byron, Ivory, C. Touset, Jeannie Nonin, October Frost, Pink: Glory of the Pacific, Mary Mann, Dr. Enguehard, Maud Dean, Rosiere. Yellow: Major Bonnaffon, Yellow Eaton, Cremo, Robt. Halliday, Yellow Jones, "Baby" small yellow, $2 per 100; $15 per 1,000. Cash with order. Wm. Swayne, P. O. Box 226, Kennett Square, Pa.

Chrysanthemums, Monrovia, Oct. Sunshine, F. A. Cobbold, Mrs. Pockett, Col. Appleton, Nellie Pockett, Cheltoni, Lady Hopetoun, White Coombes, Ben Wells, etc., $3 per 100; $25 per 1,000: 2¼-in. Chas. H. Totty, Madison, N. J.

Chrysanthemums, hardy, small flowered, $2 per 100; large flowered or aster type, $3 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Chrysanthemums, leading commercial and exhibition vars. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums. R. C., leading vars., $1, $1.50 and $2 per 100. Schmalzl & Hembreiker, Lincoln, Ill.

The American Florist invites attention to the class of business firms in its adv. columns.

CINERARIAS.

Cineraria hybrida, 4-in., 10c; 5-in., 20c; 6-in., $3 to $5 per doz. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Cinerarias, right for 3, 4, 5 and 6-in., 80c, $1.75, $3 and $4.75 per doz. Chas. Sherwood, Waterloo, Ia.

COLEUS.

Coleus, Verschaffeltii, Golden Bedder, etc., $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Coleus, in standard varieties, 2¼-in., $2.25 per 100; $20 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Coleus, 10 varieties, 2¼-in., $2 per 100. Jos. H. Cunningham, Delaware, O.

Coleus, R. C., 70c per 100; $6 per 1,000. S. D. Brant, Clay Center, Kans.

Coleus, 2-in., 2c. Byer Bros., Chambersburg, Pa.

CUPHEAS.

Cupheas, 2 kinds, R. C., 75c. Byer Bros., Chambersburg, Pa.

Cupheas, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

CYCLAMENS.

Cyclamens, Craig's strain, twice transp., $4.50 per 100; $40 per 1,000. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Cyclamen grandi., 4-in., 20c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

DAHLIAS.

Dahlias, 75 vars. in cactus, decorative, show and pompon, true to name, $5 per 100 up; 1,000, 50 each of 20 vars., our selection, $40. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Dahlias, A. D. Livoni, Aegir, Admiral Dewey, Bon Ton, Black Diamond, Blackbird, Cornucopia, Capstan, C. Duer, C. W. Bruton, Firerain, Gracie, Gen. Buller, Gottelinde, Grand Duke Alexis, Henry Patrick, Horn of Plenty, Kriemhilde, Landrath, Dr. Schiff, Lyndhurst, Queen Victoria, Ruckert, Ringdove, Sylvia, Uncle Tom, $1 per doz.; $8 per 100. Alba Superba, Arabella, Chameleon, Crimson Century, Duchess of Cambridge, Emily, Frank Smith, Frute, Floradora, Florence M. Stredwick, Fanny Purchase, J. H. Jackson, John Thorpe, Mme. A. Moreau, Miss May Loomis, Queen of Yellows, Red Hussar, Standard Bearer, Twentieth Century, $1.25 per doz.; $10 per 100. Amos Perry, Else, Flora, H. W. Sillem, Harbor Light, Lenau, Reliable, Shooting Star, Walthari, $2.50 per doz.; $15 per 100. Cuban Giant, Maroon Century, Scarlet Century, $2.50 per doz.; $20 per 100. Frau Hermine Marx, $2.50 per doz.; $18 per 100. Mrs. Roosevelt, $2 per doz.; $15 per 100. Souv. de Gustave Doazon, $3.50 per doz.; $25 per 100. One each of 59 var., $6. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Dahlias, field roots, divided; out of 250 varieties under test from America and Europe, I offer for growing on the corn soils of the Mississippi valley and central west 25 varieties out of the "best" standard sorts at $4 per 100; 25 varieties at $8 per 100 out of the finer and newer "best" list: at $3 per 100 out of six colors in white, red, scarlet, pink, purple, yellow, double named valuable sorts. Write Ferndale Nurseries, Harlan, Iowa (near Omaha).

Dahlias, field-grown, Wm. Agnew, Countess of Lonsdale, Nymphæa, Mrs. Wellesley, Admiral Dewey, A. D. Livoni and Fern-Leaf Beauty, $5 per 100; Grand Duke Alexis and Kriemhilde, $7 per 100. Storrs & Harrison, Painesville, O.

Dahlias, novelties and standard varieties, true to name. A choice list of the best introductions. Send for catalogue of dahlias, hollyhocks, hardy plants. W. W. Wilmore, Box 382 Denver, Col.

Dahlias, leading vars. J. Cheal & Sons, Crawley, England.

Dahlias, all leading vars., $45 to $50 per 1,000. Dingee & Conard Co., West Grove, Pa.

Dahlias, leading varieties. David Herbert & Sons, Atco, N. J.

DAISIES.

Daisies, Shasta: Alaska and Burbank, undivided field clumps, $5 per 100; seedlings and transplanted, $1.50 per 100. Mosbaek Greenhouse Co., Onarga, Ill.

Marguerite Queen Alexandra, $3 per 100; Coronation, $3. Storrs & Harrison Co., Painesville, O.

DEUTZIAS.

Deutzia gracilis, 7-in., 15c each; $1.50 per doz.; Lemoine, 7-in., 25c each; $2.50 per doz. Vaughan's Seed Store, Chicago and New York.

DRACENAS.

Dracæna, indivisa, 4-in., $2 per doz.; 5-in., $3 per doz. Strong plants. C. C. Pollworth Co., Milwaukee, Wis.

Dracæna indivisa, 2¼-in., $2; 3-in., $5 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Dracæna indivisa, 2-in., $3 per 100. Geo. M. Emmans, Newton, N. J.

EUONYMUS.

Euonymus radicans, 1, 1½-ft., $6; 2, 2½-ft., $8 per 100; bushy plants. Brae-Burn Nursery, West Newton, Mass.

FERNS.

Ferns, my specialty. Ferns for dishes, fine healthy stock from 2¼-in. pots, in 15 best varieties, $3 per 100; $25 per 1,000; 500 at 1,000 rate. Kentia Belmoreana, 2¼-in., $1.30 per doz.; $10 per 100. Assorted 3-in., $6, 4-in., $12 per 100. Ad. Cuneatum, 2¼-in., $3.50 per 100: $30 per 1,000; 3-in., $6; 4-in., $12 per 100. A. Gracillimum, 2¼-in., $3.50 per 100. Cibotium Schiedei, 4-in., none better, $25 per 100. Fresh fern spores in all the best market varieties, 30c per trade package; $3 per doz. J. F. Anderson, Short Hills, N. J.

Ferns, Elegantissima, 2¼-in., $6 per 100; 3½-in., $15 per 100; 6-in., 50c each; 8-in., $1 and $1.50 each; 10-in., $2 each. Whitmani, 2¼-in., $6 per 100; 3½-in., $15 per 100; 6-in., 50c and 75c each; 8-in., $1.50 each; 10-in., $2 each Scotti, 6-in., 50c each. Boston, 2¼-in., $4 per 100; 6-in., 50c each; 8-in., $1 each. Small ferns for pans, $4 per 100; $30 per 1,000. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston, 2½-in., $4; 3-in., $8; 4-in., $15; 5-in., $25. Piersoni Scottii, 2½-in., $7.50; 3-in., $12.50; 4-in., $20; 5-in., $40. Elegantissima, Whitmani, 2½-in., $7.50; 3-in., $12.50; 4-in., $25; 5-in., $50. Amerpohlii, 2½-in., $12.50; 3-in., $20; 4-in., $40; 5-in., $75. Maidenhair, 2½-in., $5; 3-in., $10; 4-in., $25. Small ferns, 2½-in., $5. Geo. A. Kuhl, Pekin, Ill.

Ferns, Whitmani, 2½-in., $5 per 100. E. G. Hill Co., Richmond, Ind.

If you do not find what you need in our Ready Reference Department, write us about it.

Ferns, Boston, 8-in., $1.25 to $1.50 each; 7-in., $1; 6-in., 50c; 5 to 5½-in., 35c and 40c. Whitmani, 8-in., $1.50; 6-in., 50c. Scottii, 7-in., $1 to $1.25; 6-in., 50c; 5½-in., 40c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns, Whitmani, small from bench, $3 per 100; 2½-in. pots, $5 per 100; 3-in., $5 per 100; 4-in., $25 per 100; 6-in., $50 per 100; 8-in., $1.50 per 100. Full pots and perfect plants. B. M. Wichers & Co., Gretna, La.

Ferns, Boston, Pierson, Annie Foster and Elegantissima, all sizes. Strong plants at bottom prices; see display adv. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns, Boston, 2½-in., 4c; 3-in., 8c; 4-in., 15c; 5-in., 25c; 6-in., 40c; 7-in., 65c; 8-in., $1 to $1.50; 10-in., $1.50 to $2. J. W. Dunford, Clayton, Mo.

Ferns, Whitmani, 2½-in. plants, sturdy and strong, $3.50 per 100; $30 per 1,000. Memphis Floral Co., 145 S. Main St., Memphis, Tenn.

Ferns, Whitmani, 2¼-in., $5 per 100; 3½-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Son, Whitman, Mass.

Ferns, N. Amerpohlii, 2½-in., $15 per 100. Janesville Floral Co., Janesville, Wis.

Ferns, Pierson Elegantissima, 2-in., 3c. Byer Bros., Chambersburg, Pa.

Ferns, Boston, 5-in., 30c each. Geo. M. Emmans, Newton, N. J.

Ferns, Scottii, Elegantissima, Whitmani, 2¼-in. W. W. Coles, Kokomo, Ind.

Ferns, 2½-in., $4 per 100; $30 per 1,000. Storrs & Harrison, Painesville, O.

FEVERFEW.

Feverfew, 2-in., $2 per 100. Mosæk Greenhouse Co., Onarga, Ill.

Feverfew, 2-in., 2c. Byer Bros., Chambersburg, Pa.

FICUS.

Ficus pandurata, in tubs, single stems, 6 ft., $7.50 each; branched, 5½ ft., $7.50 each. Robt. Craig Co., Market and 49th Sts., Phila.

Ficus elastica, 5 to 7-in., 30c to 75c each. G. Aschmann, 1012 W. Ontario St., Philadelphia.

FUCHSIAS.

Fuchsias, $1 per 100. Shippensburg (Pa.) Floral Co.

GERANIUMS.

GERANIUMS, 100,000 Rooted Cuttings. We are supplying the finest stock on the market of the following SUPERB BEDDERS: S. A. Nutt, greatest crimson; Peter Henderson, grand new semi-double scarlet: Beaute Poitevine, best salmon; Mme. Buchner, the only double white; Jean Viaud, pure pink. Strong top cuttings ready for 2½-in., pots, true to name, $1.50 per 100: $15 per 1,000. Cash. Prompt shipment. The W. T. Buckley Co., Springfield, Ill.

Geraniums, standard, our choice of vars., in red, pink and white, $2 per 100. Storrs & Harrison Co., Painesville, O.

Geraniums out of 2½-in. pots, 6 to 8 ins. tall, sturdy plants ready to shift: A. Ricard, E. H. Trego, Hiawatha, Jean Viaud, $2.50 per 100; $22.50 per 1,000. Memphis Floral Co., 145 S. Main St., Memphis, Tenn.

Geraniums, Nutt, Doyle, Perkins, Ricard, dbl. Grant, 2-in., $2.50 per 100; R. C., $1.25 per 100. Trego, Castellane, Poitevine, Viaud, 2-in., $3 per 100; R. C., $1.50 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, 2-in., standard sorts, and new vars., $2 per 100 up to $1 each; 1,000, 20 good vars., our selection, $18.50. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums; strongly rooted cuttings, best standard sorts, $15 per 1,000. Ivy geranium Alliance, $3 per 100. E. G. Hill Co., Richmond, Ind.

Geraniums, 10 vars., 2½-in., $3 per 100; $25 per 1,000; 3-in., $4 per 100; rose geraniums, $2 per 100. Jos. H. Cunningham, Delaware, O.

Geraniums, 6 varieties double, S. A. Nutt and others, 2½-in., $2.50 per 100; $22.50 per 1,000. The Krueger Bros. Co., Toledo, O.

Geraniums, 2-in., $15 per 1,000; 2½-in., $18 per 1,000. Schmaus Bros., Paducah, Ky.

Geraniums, 2½, 3 and 4-in. Geo. A. Kuhl, Pekin, Ill.

Geraniums. A. M. Herr, Lancaster, Pa.

Geraniums. E. G. Hill Co., Richmond, Ind.

The American Florist invites attention to the class of business firms in its adv. columns.

GLADIOLI.

Gladiolus America, $6.50 per 100; $60 per 1,000. Write for prices on other stock. Cushman Gladiolus Co., Sylvania, O.

Gladiolus Lemoinei and Nanceianus. V. Lemoine & Son, Nancy, France.

Gladiolus, leading vars. E. E. Stewart, Rives Junction, Mich.

Gladiolus, Princeps, medium, $9 per 100. Mrs. Francis King, $4 per 100; $30 per 1,000; America, $7.50 per 100; $60 per 1,000; Augusta, $2 per 100; $17 per 1,000. Brenchleyensis, $1.45 per 100; $12 per 1,000. Ceres, $1.45 per 100; $12.50 per 1,000. Mme. Moncret, $1.75 per 100; $15 per 1,000. May, $1.75 per 100; $15 per 1,000. "1900," $2.50 per 100. Shakespeare, $4.25 per 100; $38 per 1,000. Florist mixture, made from named light and white vars., $1.75 per 100; $15 per 1,000. Vaughan's Seed Store, Chicago and New York.

Gladiolus bulbs, over 15,000 bushels harvested. Groff's hybrid and other strains and named varieties of exceptional merit. Write for 1907 illustrated catalogue. Arthur Cowee, Gladiolus Specialist, Meadowvale Farm, Berlin, N. Y.

Bulbs, Gladiolus primulinus, $8 per doz.; $60 per 100. Primulinus hybrids, $3 per doz.; $20 per 100. J. M. Thoburn Co., 33 Barclay St., New York.

Gladiolus, Hyacinthus candicans, spotted calas, oxalis, cinnamon vine, German Iris, lilies. E. S. Miller, Wading River, N. Y.

GLOXINIAS.

Gloxinias. L. Van Houtte, Pere, Ghent, Belgium.

GREENS.

Greens, dagger and fancy ferns, $1.75 per 1,000. Bronze and green galax, $1.25 per 1,000. Leucothoe sprays, $1 per 100; $7.50 per 1,000. Sphagnum moss, per bale, $1.25. Boxwood bunches, 35c; 50 lbs., $7.50. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit.

Greens, bronze, galax, $8.50 per case of 10-000; green, $7.50. Dagger and fancy ferns, $1.50 per 1,000. Laurel festooning, boxwood, southern wild smilax, sphagnum moss and green moss, leucothoe sprays, etc. H. M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, cut palmetto and cycas leaves, galax, leucothoe, ferns, mosses, etc. Kervan Co., 113 W. 28th St., New York.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 53 W. 28th St., New York.

Greens, Wild Smilax. R. A. Lee & Co., P. O., Georgetown, Ga., Telegraph Office, Eufaula, Ala.

Greens, smilax, ferns, palm leaves, etc. John P. Scherer, Union Hill, N. J.

Greens, southern wild smilax. E. A. Beaven, Evergreen, Ala.

HARDY PERENNIALS.

Hardy plants. Get our prices for field-grown stock. We have one of the finest assortments of undivided clumps, also in seedlings and transplanted. Ask for descriptive list. Mosbæk Greenhouse Co., Onarga, Ill.

Hardy perennials, anemone, aster, campanula, delphinium, funkia, hemerocallis, hepatica, incarvillea, iris, peony, phlox, primula, pyrethrum, tritoma. Royal Tottenham Nurseries, Ltd., Dedemsvaart, Holland.

Hardy pinks, R. C., 5 kinds, 75c. Byer Bros., Chambersburg, Pa.

HELIOTROPES.

Heliotrope, 4 of the best, R. C., $1; 2¼-in., $2.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Heliotrope, R. C., $1 per 100; $8 per 1,000. S. D. Brant, Clay Center, Kans.

Heliotropes, 3 kinds, R. C., $1 per 100; 2-in., 2c. Byer Bros., Chambersburg, Pa.

HOLLYHOCKS.

Hollyhocks, 3-in., double, white, pink, red, yellow, $3 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Hollyhocks, single, field-grown, $2.50 per 100. Byer Bros., Chambersburg, Pa.

HYDRANGEAS.

The new American Hydrangea, H. arborescens sterilis, 2 to 3 ft., $4.25 per doz.; $35 per 100; 15 to 20 ins., $3.50 per doz.; $25 per 100; from pots for planting out, $8 per 100; $75 per 1,000. The E. Y. Teas Co., Centerville, Ind.

Hydrangeas, Otaksa and Thos. Hogg, 6-in., 3 to 4 flowering stems, $5 per doz.; $40 per 100; 7-in., 5 to 6 flowering stems, $8 per doz.; $75 per 100. Vaughan's Seed Store, Chicago and New York.

Hydrangea otaksa monstrosa, 4-in., $6 to $8 per 100; 5-in., $12 to $15 per 100; 10-in., very large, $1 each. All above are pot grown. From 6 to 7-in. pots, potted from open last Sept., $3 per doz.; $20 per 100. E. Fryer, Johnstown, Pa.

Hydrangea paniculata, 2 to 3 ft., 15c to 35c each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Hydrangea Otaksa, 6 to 7-in., 35c to $1 each. G. Aschmann, 1012 W. Ontario St., Phila.

Hydrangeas. W. & T. Smith Co., Geneva, N. Y.

IMPATIENS.

Impatiens, 3 kinds, R. C., $1. Byer Bros., Chambersburg, Pa.

IVIES.

English ivy, hardy, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Ivy, German, 75c per 100. Shippensburg (Pa.) Floral Co.

LANTANAS.

Lantanas, 5 vars., $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

LILACS.

Lilacs, Persian, also German white and light and dark purple, 3 to 6 ft., 25c to $2 each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Lilacs, Chas. X and Marie LeGray, $1 each; $10 per doz. Vaughan's Seed Store, Chicago and New York.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

From Storage.

Lily of the valley, surplus early forcing pips, $10.50 per 1,000; $25 per case of 2,500; $1.50 per 100; finest cold storage pips, $14 per 1,000; $1.75 per 100. H. N. Bruns, 1407-11 W. Madison St., Chicago.

Lily of the valley pips, cold storage. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley, for forcing. Vaughan's Seed Store, Chicago and New York.

Lily of the valley, for forcing, $11 per 1,000. W. C. Beckert, Pittsburg, N. S., Pa.

LOBELIAS.

Lobelias, Crystal Palace Gem, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

MADEIRA VINE.

Madeira vine bulbs, large size, $1 per 100; med. to small, 50c. The Frank S. Platt Co., New Haven, Conn.

MALUS.

Malus, Floribunda, Atrosanguinea and Scheideckeri, pot-grown, 2½ ft., $1 each; $10 per doz. Vaughan's Seed Store, Chicago and N. Y.

MOSS.

Sphagnum moss, 5 barrel bale, $1.25; 2 bales, $2.25; 5 bales, $5; 10 bales, $9.50. H. R. Akers, Chatsworth, N. J.

Sphagnum moss in burlap or wired bales. Write for prices. Vaughan's Seed Store, Chicago and New York.

MUSHROOM SPAWN.

Mushroom spawn. English and pure culture. Weeber & Don, 114 Chambers St., New York.

NURSERY STOCK.

Nursery stock, arbor-vitæ (Thuya occidentalis) 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, trees and shrubs, price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Nursery stock, large trees, oaks, maples, pines and hemlock. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock fruit and shade trees, shrubs, evergreens. W. & T. Smith Co., Geneva, N. Y.

Am. arbor-vitæ hedge plants. Evergreen Nursery Co., Sturgeon Bay, Wis.

ORANGES.

Oranges, Kinkan. P. J. Berckmans Co., Augusta, Ga.

ORCHIDS.

Orchids in superb condition. Cattleya Mossiæ, C. Schroederae, Laelia anceps, Epidendrum vitellinum, etc. Lager & Hurrell, Summit, N. J.

Orchids, C. Trianae, C. Percivaliana, C. speciosissima, C. Gaskelliana, Oncidium Krameriana. Ordonnez Bros., Madison, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England. New York office, room 1, 235 Broadway.

If you do not find what you need in our Ready Reference Department, write us about it.

Orchids, Lælia purpurata. Cattleya intermedia, C. Mossiæ. Julius Roehrs, Rutherford, N. J.

Orchids, ready in April and May. Carrillo & Baldwin, Secaucus, N. J.

PALMS.

Palms, Kentia Belmoreana and Forsteriana, 4-in., 18 to 20 ins., 35c; 5¼, 5½ and 6-in., 50c to 75c each. Latania Borb., 5-in., 30c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Kentia Bel., 2½-in., $9 per 100; $80 per 1,000; 3-in., $14 per 100; 4-in., $30; 5-in., $50. Latania Borb., 3-in., $6.50 per 100; 6-in., 5 to 6 leaves, 15 to 18 ins., 60c each. Storrs & Harrison Co., Painesville, O.

Palms, 200 to 300 Phœnix, 5-in., at a bargain if taken at once. Mosbæk Greenhouse Co., Onarga, Ill.

Latania Borbonica, from 2-in., 3 leaves, $3 per 100. The Perennial Gardens Co., Toledo, O.

Palms. P. J. Berckmans Co., Augusta, Ga.

Palms. L. Van Houtte, Pere, Ghent, Belgium.

PANDANUS.

Pandanus utilis, 2½-in., $6 per 100; 3-in., $8; 4-in., $12. Storrs & Harrison Co., Painesville, O.

PANICUM.

Panicum var., $2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

PANSIES.

Pansies from cold frame, strong, in bud, $1.50 per 100; $12 per 1,000. Transplanted, nice stock, $5 per 1,000. F. A. Baller, Bloomington, Ill.

Pansy plants from extra selected seed. Fall seedlings, $3.50 per 1,000. Fall transplanted, $6 per 1,000. Large plants, $10 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Pansies, fall transplanted, in bud, per 100, $1.25; per 1,000, $10. A. R. Knowles, Bloomington, Ill.

Pansies, giant flowering, 50c per 100; $2.50 per 1,000. Jos. H. Cunningham, Delaware, O.

PELARGONIUMS.

Pelargoniums, 3-in., $1.50 per doz.; $6 per 100. R. Vincent, Jr. & Sons, White Marsh, Md.

Pelargoniums, $2.50 per 100. S. D. Brant, Clay Center, Kans.

PENTAS.

Pentas lanceolata, white 2½-in., $3 per 100; $27 per 1,000. Abele Bros., Florists, New Orleans, La.

PEONIES.

Peonies, 100 varieties, all classes for florists, 6 or 8 leading kinds, white to crimson, early to late, all named, $1.50 per doz.; $10 per 100. F. A. Baller, Bloomington, Ill.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Wholesale peony list for fall 1908 is now ready. J. F. Rosenfield, West Point, Neb.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies, leading vars. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunia Berkshire, R. C., $2.50 per 100; $20 per 1,000. S. S. Skidelsky, 1,731 No. 18th St., Philadelphia.

Petunias, 3-in., 4 vars., $4 per 100; 2-2½-in., $2.50. Geo. A. Kuhl, Pekin, Ill.

Petunias, double fringed, 2½-in., ready for 4-in., $2.50 per 100; R. C., $1 per 100. The Krueger Bros. Co., Toledo, O.

Petunias, dbl., R. C., $1.25 per 100; $10 per 1,000. S. D. Brant, Clay Center, Kans.

Petunias, dbl., 10 kinds. R. C., $1. Byer Bros., Chambersburg, Pa.

Petunias, dbl., $3 per 100. Jos. H. Cunningham, Delaware, O.

POINSETTIAS.

Poinsettias, good, strong stock, $4 per 100. The Krueger Bros. Co., Toledo, O.

PRIVET.

Privet, California, 1½ to 2 ft., branched, $2 per 100; $18 per 1,000; 15 to 18 ins., $1.50 per 100; $14 per 1,000; 12 to 18 ins., $11 per 1,000. The E. Y. Teas Co., Centerville, Ind.

Privet, California, and Amoor River 2½ to 3 ft., $25 per 1,000. Peter's Nursery Co., Knoxville, Tenn.

Privet, California. E. Y. Teas Co., Centerville, Ind.

The American Florist invites attention to the class of business firms in its adv. columns.

PRUNUS.

Prunus triloba, standards, 2½-ft. stems, $1 each; $10 per doz.; bushy grown, 18 ins., 50c each; $5 per doz.; Simplex and Georgica, 18 ins., 50c each; $5 per doz. Vaughan's Seed Store, Chicago and New York.

RHODODENDRONS.

Rhododendrons, 8-12 buds, 75c each; $9 per doz.; 12-18 buds, $1.25 each; $12 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons, short, well formed, full of buds, 18-in. size, $9 per doz.; 24-in., $12 per doz. Storrs & Harrison Co., Painesville, O.

Rhododendrons. W. & T. Smith, Geneva, N. Y.

Rhododendrons, Jacs Smits, Naarden, Holland.

ROSES.

Roses, 2-yr., budded, per doz., $2; $15 per 100; Am. Beauty, La France, Frau K. Druschki, Kaiserin, Soliel d'Or, Hermosa, Paul Neyron, Gruss an Teplitz, 2-yr., budded, $1.50 per doz.; $11 per 100. Anna de Diesbach, Fisher Holmes, Magna Charta, Ball of Snow, Gen. Jacq., M. P. Wilder, Capt. Christy, Mme. Testout, Mrs. J. Laing. U. Brunner, etc. Crimson Rambler, 2-yr., home-grown, $15 per 100; 2-yr., imported, $12 per 100. Dorothy Perkins, 2-yr., home-grown, $12 per 100. Lady Gay, 2-yr., budded, $20 per 100. Philadelphia Rambler, 2-yr., home-grown, $12 per 100. Baby Rambler, 2-yr., extra strong budded, $20 per 100. White Baby Rambler, 2½-in., $10 per 100. Red Kaiserin, 2½-in., $1.50 per doz.; $10 per 100; 3-in., $2 per doz.; $12 per 100; 4-in., $3 per doz.; $20 per 100; 2-yr. dormant, $3 per doz.; $20 per 100. Vaughan's Seed Store, Chicago and N. Y.

Roses, young plants: Antoine Rivoire, Killarney, Winnie Davis, $4 per 100. Agrippina, Baby Rambler. Bridesmaid, Burbank, C. Mermet, C. Brunner, Climbing C. Brunner, C. de Lyon, D. Perkins, Duch. de Brabant, Etoile de Lyon, Helen Gould, Kaiserin, Mme. A. Carrier, Mme. D. Vatry, Marie Van Houtte, Marquis de Querboent, Meteor. Papa Gontier, Queen of Prairie, R. O. Wurtenburg. White Banksia, Yellow Banksia, $2.50 per 100. Clara Watson, Mme. C. Tesout, Vis. Folkestone, $3.50 per 100. Etoile de France, $5 per 100. Gainsborough, Glorie des Rosamones, Gruss an Teplitz, Helena Canbier, Mme. Abel Chatenay, Mme. Wagram, Mrs. Robt. Garrett, Perle, White Cochet, Wm. A. Richardson, $3 per 100. Mar, Niel, $2 per 100. California Rose Co., Pomona, Cal.

Roses, American Beauty, R. C., $3.50 per 100; $30 per 1,000; 2½-in., $6.50 per 100; $60 per 1,000; 3½-in., $80 per 1,000. Maid, Bride, U. John. Richmond, Chatenay, Kaiserin, R. C., $18.50 per 1,000; 2½-in., $4.50 per 100; $40 per 1,000; 3½-in., $60 per 1,000. Mrs. Potter Palmer and Cardinal, 2½-in., $15 per 100; $125 per 1,000; 3½-in., $150 per 1,000. Perle, Sunrise, 2½-in., $5 per 100; $45 per 1,000; Perle, 3½-in., $65 per 1,000. Killarney, R. C., $35 per 1,000; 2½-in., $6 per 100; $55 per 1,000; 3½-in., $75 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, $2.50 per 100; $25 per 1,000; Baby Rambler, C. Soupert, D. Perkins, Mme. A. Chatenay, C. Rambler; $2.75 per 100; $27.50 per 1,000: Hermosa, Maman Cochet, Malmaison, Etoile de Lyon, Helen Gould, Lady Gay, M. Niel, Notting, Meteor, White Maman; $3 per 100; $30 per 1,000; Black Prince, Mme. Masson, Richmond, Kaiserin, Paul Neyron, $3.50 per 100; $35 per 1,000: Etoile de France, Gen. McArthur, Mrs. J. Laing. Helen Good, $5 per 100. J. B. Clark, $8 per 100. C. M. Niuffer, Springfield, O.

Roses, field-grown, Anna de Diesbach, Clio, Frau Karl Druschki, Gen. Jacq., John Hopper, Mme. Luizet, M. P. Wilder, Mrs. J. Laing, Paul Neyron, Prince Camille, U. Brunner, Crimson, white, yellow and Philadelphia Rambler, common sweet briar, Mme. G. Bruant, Wichuraina. Ellwanger & Barry, Rochester, N. Y.

Roses, rooted cuttings. Bride, Bridesmaid, Ivory, Richmond, Chatenay, Uncle John, $1.50 per 100; $12.50 per 1,000. Sunrise and Kate Moulton, $3 per 100; $25 per 1,000. Perle, $2 per 100; $17.50 per 1,000. Am. Beauty, bench plants, $10 per 100; $75 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Roses, grafted for forcing, Chatenay, Killarney, Richmond. Liberty, La France, rose pots. $15 per 100; 3½-in., $18; Bridesmaid, Golden Gate, Kaiserin, rose pots, $10 per 100; 3½-in., $15 per 100. Own root roses, $9 and $7 per 100. J. L. Dillon, Bloomsburg, Pa.

Roses, Marechal Niel, 2½-in. plants, 8 to 10 ins., tall, from cold frames, full of active working roots, $2.50 per 100; $22.50 per 1,000. Memphis Floral Co., 145 S. Main St., Memphis, Tenn.

Roses, grafted and own root, Kaiserin, Carnot, Killarney, Richmond, Liberty, Bride and Bridesmaid. W. H. Elliott, Brighton, Mass.

Roses, American Beauty, Liberty and Kaiserin, bushes; bench plants, $7 per 100; $65 per 1,000. Wietor Bros., 51 Wabash Ave., Chicago.

Rose, Kaiserin, Goldifolia, 2½-in., $2.50 per doz.; $20 per 100; $175 per 1,000; 3-in., $35 per 100; 4-in., $50 per 100. The Leedle Floral Co., Springfield, O.

Roses, choice young stock: Kaiserin, 2½-in., $4.50 per 100; $40 per 1,000. Richmond, Maid, Bride, 2-in., $3 per 100; $25 per 1,000. Bassett & Washburn, 76 Wabash Ave., Chicago.

American Beauties, rooted cuttings, $3 per 100; $25 per 1,000; 2¼-in., $6 per 100; $50 per 1,000. J. F. Wilcox, Council Bluffs, Iowa.

Roses, Bride, Maid, Kaiserin, Killarney, Richmond, Wellesley, $12 per 100; $100 per 1,000. Jackson & Perkins Co., Newark, N. Y.

Roses, American Beauty, Richmond, bench plants, $6 per 100; $50 per 1,000. J. A. Budlong, 37-39 Randolph St., Chicago.

Rose Tausendschon, 3-in., 10 for $1.50; $12 per 100; $100 per 1,000. Dingee & Conard Co., West Grove, Pa.

Roses, Cr. and Baby Rambler, La France, Mme. Soupert. Geo. A. Kuhl, Pekin, Ill.

Rose Newport Fairy. Julius Roehrs Co., Rutherford, N. J.

Roses. E. G. Hill Co., Richmond, Ind.

Roses. W. & T. Smith Co., Geneva, N. Y.

Roses. Geo. A. Kuhl, Pekin, Ill.

SALVIAS.

Salvia Zurich, 2-in., $3 per 100; $25 per 1,000; R. C., $1.75 per 100; $15 per 1,000; now ready. The Krueger Bros. Co., Toledo, O.

Salvias, in 5 standard varieties, R. C., 90c; 2¼-in., $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Salvias, R. C., $1 per 100; $8 per 1,000. S. D. Brant, Clay Center, Kans.

Salvia Zurich, R. C., $1.75 per 100; 2-in., $3. Perennial Gardens Co., Toledo, O.

Salvia Bonfire, 90c. Byer Bros., Chambersburg, Pa.

SMILAX.

Smilax, fall sown seedlings, 50c per 100; $4 per 1,000. F. A. Baller, Bloomington, Ill.

SEEDS.

SEEDS. SEEDS. SEEDS.

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Seeds, Lettuce, Grand Rapids, ¼ lb., 30c; lb., $1; May King, ¼ lb., 40c; lb., $1.25. Cucumber, Evergreen White Spine, ¼ lb., 25c; lb., 75c; Davis Perfect, ¼ lb., 35c; lb., $1.25; Radish, Vaughan's Cardinal Forcing, ¼ lb., 40c; lb., $1.50; Improved Scarlet Globe, ¼ lb., 25c; lb., 70c; 20 Day Forcing, ¼ lb., 20c; lb., 60c. Scarlet Globe White Tip, ¼ lb., 20c; lb., 60c. Tomato, New Globe, ¼ lb., 75c; lb., $3; Comet, pkt., 25c; Sunrise, pkt., 25c. Cauliflower, Earliest of All, pkt., 25c; oz., $2.50. Vaughan's Seed Store, Chicago and New York.

Seeds, Primula obconica, the type, ⅛ oz., 50c; tr. pkt., 15c; grandiflora, mixed, 1-16 oz., $1; tr. pkt., 25c; fimbriata, 1-32 oz., $1; tr. pkt., 50c; Bright rose, 1-32 oz., $1; tr. pkt., 25c; Kermesina, 1-32 oz., $2; tr. pkt., 50c; white, 1-32 oz., $1; tr. pkt., 25c; gigantea rosea, 1-32 oz., $3; tr. pkt., 50c; gigantea Kermesina, tr. pkt., 35c. Vaughan's Seed Store, Chicago and New York.

Seeds, bean, beet, cabbage, carrot, kohl rabi, leek, lettuce, onion, pea, radish, spinach, turnip, swede, aster, balsam, begonia, carnation, cineraria, gloxinia, larkspur, nasturtium, pansy, petunia, phlox, primula, scabious, stock, verbena, zinnia, etc. Giant pansy, $5 per oz.; $1.50 per ¼ oz.; 75c per 1-16 oz. Henry Mette, Quedlinburg, Germany.

Seeds, Asparagus plumosus nanus, northern greenhouse grown, per 100 seeds, 60c; 250, $1.25; 1,000, $4; 5,000, $19.50, 10,000, $37.50. Vaughan's Seed Store, Chicago and New York.

Seeds, Primula obconica grandi, blood red, blue, carmine, pink, purple, violet, white, compacta, gigantea, fringed mixed, hybrids, separate, tr. pkt., 50c; 6 pkts., $2.50. O. V. Zangen, Hoboken, N. J.

Seeds, verbena, mammoth, colors or mixed, ¼ oz., 30c; oz., $1. Salvia splendens, ¼ oz., 35c; oz., $1.25; Bonfire, ¼ oz., 75c; oz., $2.50. W. C. Beckert, Pittsburg, N. S., Pa.

Seeds, Tomato, the Don. Cauliflower, First and Best. Onion Ailsa Craig. Lettuce, Ideal. Mignonette, N. Y. Market. Weeber & Don, 114 Chambers St., New York.

Onion seed, Canary Island, Bermuda, red and white, also Crystal Wax. Kubner Henderson & Co., Teneriffe, Canary Islands.

Seeds, Lawn grass in bulk or pkts., Dickinsons Evergreen and Pine Tree brands. Albert Dickinson Co., Chicago and Minneapolis.

Seeds, all kinds. H. H. Berger & Co., 70 Warren St., New York.

If you do not find what you need in our Ready Reference Department, write us about it.

Seeds of all kinds. H. E. Fiske Seed Co., 12 and 13 Faneuil Hall Sq., Boston, Mass.

Seeds, sweet peas. Anton C. Zvolanek, Bound Brook, N. J.

Seeds, aster Miss Kate Lock, 50c per trade pkt. J. H. Lock, 41 Manchester Ave., Toronto,

Seeds, peas, beans and garden seeds. Leonard Seed Co., Chicago.

Onion sets, yellow, red and white. Leonard Seed Co., Chicago.

Seeds, all kinds. Bridgeman's Seed Warehouse, 37 E. 19th St., New York.

Seeds, pansy, 1,000 seeds, mixed, 25c; 1 oz., $2.25. H. Wrede, Luneburg, Germany.

Seeds, garden, field and flower. S. D. Woodruff & Sons, 82 Dey St., New York.

Seed potatoes, Red River stock. Onion sets, Vaughan's Seed Store, Chicago.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Seeds, all kinds. St. Louis Seed Co., 784-786 N. 4th St., St. Louis.

Seeds. W. Atlee Burpee & Co., Philadelphia.

Contract Growers.

Seeds, onion, lettuce, sweet peas and other California specialties. C. C. Morse & Co., 48 to 56 Jackson St., San Francisco, Cal.

Seeds, vegetable and flower; French grown. High grade. Trade only. Write for contract prices. Chas. Johnson, Marietta, Pa.

Seeds, bean, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, cabbage and cauliflower. Hjalmar Hartman & Co., 12 Stormgade, Copenhagen; 31 Barclay St., New York.

Seeds, lettuce, onion, sweet pea, aster, cosmos, mignonette, verbena. Waldo Rohnert, Gilroy, Cal.

Seeds, growers for the wholesale trade only. Braslan Seed Grower's Co., San Jose, Cal.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seed beans. F. L. Hogue, Carpinteria, Cal. Grower for the wholesale trade only.

Seeds, garden peas and beans. Rogers Bros., Alpena, Mich.

SPIREAS.

Spireas, Sorbifolia, white, 3 ft., 25c each; Thunbergii, 2 to 3 ft., white, 15c to 25c each; Regalis, 3 ft., 35c each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Spirea Gladstone, 6 to 7-in., 50c to 75c each. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Spireas. Jacs Smits, Ltd., Naarden, Holland.

Spireas. Geo. A. Kuhl, Pekin, Ill.

STEVIAS.

Stevia. E. T. Wanzer, Wheaton, Ill.

SWAINSONAS.

Swanisona alba, R. C., $1; 2-in., 2c. Byer Bros., Chambersburg, Pa.

Swainsona alba, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

VEGETABLE PLANTS.

Vegetable plants, tomato: Mayflower, Lorrillard, Earliana, Early Jewel, Early June, 30c per 100; $2 per 1,000. Beets: Egyptian and Crosby, 20c per 100; $1.25 per 1,000. Celery: White Plume, Golden Self Blanching, 20c per 100; $1.25 per 1,000. Parsley: Moss Curled, 30c per 100; $2 per 1,000. Cauliflower: Early Snow Ball, 50c per 100. Lettuce: Grand Rapids, $1 per 1,000. Pepper and egg plant, 40c per 100; $2 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Lettuce plants. Grand Rapids and Black Seeded Simpson, $1 per 1,000; $9 per 10,000. B. E. Wadsworth, Box 224, Danville, Ill.

VERBENAS.

Verbenas, 60 vars., R. C., our selection, 75c per 100; $6 per 1,000; plants, our selection, 2¼-in., $2.50 per 100; $20 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Verbenas, red, white, purple and pink, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Verbenas, $2 per 100. Jos. H. Cunningham, Delaware, O.

Verbena seedlings, mammoth mix., 35c per 100. Shippensburg (Pa.) Floral Co.

Verbenas, 2-in., nice plants, $2 per 100. The Krueger Bros., Co., Toledo, O.

VINCAS.

Vinca, variegated, R. C., 90c; 2¼-in., $2.50; 5-in., $15 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Vinca variegata, 2¼-in., $2.50 per 100. Jos. H. Cunningham, Delaware, O.

VIOLETS.

Violets, Princess of Wales, 2¼-in., $3 per 100. Hardy English, $3. Storrs & Harrison Co., Painesville, O.

Violets, Boston, $2 per doz.; $12 per 100; $100 per 1,000. Wm. Sim, Cliftondale, Mass.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Allen, J. K., 106 W. 20th St., New York.

Amling, E. C., 32-36 Randolph St., Chicago.

Berning, H. G., 1402 Pine St., St. Louis.

Buffalo Cut Flower Co., 468 Washington St., Buffalo, N. Y.

Deamud, J. B. Co., 51 Wabash Ave., Chicago.

Ford Bros., 48 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

Guttman, Alex J., 43 W. 28th St., New York.

Harty & Co., 1312 G St., N. W., Washington.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kennicott Bros. Co., 48-50 Wabash Ave., Chicago.

Kuehn, C. A., 1122 Pine St., St. Louis.

Langjahr, Alfred H., 55 W. 28th St., N. Y.

McCullough's Son Co., J. M., 316 Walnut St., Cincinnati, O.

McIntyre, John, 1601 Ranstead St., Philadelphia.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

McKissick, W. E., 1619-1621 Ranstead St., Philadelphia.

Michigan Cut Flower Exchange, 30-40 Broadway, Detroit, Mich.

Millang Bros., 41 W. 28th St., New York.

Murdoch, J. B. & Co., 714 Penn Ave., Pittsburg, Pa.

Niessen Co., Leo., 1208 Arch St., Philadelphia.

N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.

Perkins & Nelson, 57 W. 26th St., New York.

Pittsburg Cut Flower Co., Ltd., 222 Oliver Ave., Pittsburg, Pa.

Pittsburg Florists' Exchange, 217-223 Diamond St., Pittsburg, Pa.

Pollworth, C. C. Co., Milwaukee, Wis.

Randall, A. L. Co., 19 Randolph St., Chicago.

Raynor, John L., 49 W. 28th St., New York.

Rice Bros., 128 N. 6th St., Minneapolis, Minn.

Robinson, Henry M. & Co., 11-15 Province St., Boston.

Seligman, John, 56 W. 26th St., New York.

Sheridan, Walter F., 39 W. 28th St., New York.

Smith & Co., D., 111 W. 28th St., New York.

Smith & Co., W. C., 1316 Pine St., St. Louis.

The Fruit Auction Co., Box 640, New York.

Traendly & Schenck, 44 W. 28th St., N. Y.

Vaughan & Sperry, 58-60 Wabash Ave., Chicago.

Welch Bros., 226 Devonshire St., Boston.

Winterson, E. F. Co., 45-49 Wabash, Chicago.

Young, A. L. & Co., 54 W. 28th St., New York.

Young, Jr., Thos., 500 5th Ave., N. Y.

Young, John, 51 W. 28th St., New York.

Zech & Mann, 51 Wabash Ave., Chicago.

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Growers.

Bassett & Washburn, 76-78 Wabash, Chicago.

Benthey & Coatsworth Co., The, 35 Randolph St., Chicago.

Bruns, H. N., 1409-11 W. Madison St., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Elliott, W. H., Brighton, Mass.

Hill, The E. G. Co., Richmond, Ind.

Jensen & Dekema, 674 W. Foster Ave., Chicago.

Joy Floral Co., 601 Church St., Nashville, Tenn.

Muskogee Carnation Co., Muskogee, Okla.

Peacock Dahlia Farms, Atco, N. J.

Poehlmann Bros., 35-37 Randolph St., Chicago.

Reinberg, Peter, 51 Wabash Ave., Chicago.

Weiland & Olinger, 128 E. 3rd St., Cincinnati, O.

Weiland & Risch, 59 Wabash Ave., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

Wittbold, Geo. Co., 1657 Buckingham Pl., Chicago.

Woodrow, Samuel A., 53 W. 30th St., New York.

RETAIL CUT FLOWERS.

Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree St.

Albany, N. Y.—H. G. Eyers, 11 N. Pearl St.

Boston—Houghton & Clark, 396 Boylesion St.

Brooklyn, N. Y.—Robt. G. Wilson, Fulton St. and Green Ave.

Buffalo, N. Y.—Palmer's.

Chicago—Hauswirth Florist, Auditorium Annex.

Chicago—Wittbold, Florist, 1657 Buckingham Pl.

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Indianapolis, Ind.—Bertermann Bros. Co., 241 Mass. Ave.

Kansas City, Mo.—Geo. M. Kellogg, 906 Grand Ave.; also Pleasant Hill, Mo.

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Los Angeles, Cal.—J. W. Wolfskill, 218 W. 4th St.

Louisville, Ky.—J. Schultz, 644 4th Ave.

New Orleans, La.—U. J. Virgin, 833 Canal St.

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St. Louis, Mo.—Fred C. Weber, 4320-28 Olive St.

St. Louis, Mo.—Young's, 1406 Olive St.

St. Paul, Minn.—Holm & Olson.

San Francisco, Cal.—J. B. Boland Co., 47-49 Geary St.

Seattle, Wash.—Woodland Seed & Floral Co., 808 2nd Ave.

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Pots, red standards, full size and wide bottoms. Detroit Flower Pot Mfg., 490 Harvard St., Detroit, Mich.

Pots, red standard. Paducah Pottery Co., Paducah, Ky.

Pots, before buying write for prices. Geo. Keller & Son, 361-63 Herndon St., near Wrightwood Ave., Chicago.

Pots, red standard azalea pots. The Keller Pottery Co., 213-223 Pearl St., Norristown, Pa.

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Pots, standard red flower. A. J. Marquis, Middleburg, O.

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Supplies, wire designs. Pittsburg Florists' Ex., 228 Diamond St., Pittsburg, Pa.

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Supplies of all kinds. E. F. Winterson Co., 45-49 Wabash Ave., Chicago.

Supplies, all kinds. H. M. Robinson & Co., 8-11 Province St., Boston.

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The size of the boiler will depend a good deal upon the temperature desired, as well as on the outside temperature, while the amount of glass in the walls and gables should be considered. Under average conditions a 100-h. p. boiler would answer, but for a high temperature in a cold climate, it will be safer to have one rated at 120 h. p., or more if the walls have much exposed glass.

L. R. T.

Greenhouse Heating.

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I have a small greenhouse 16x38 feet, heated with hot water, three lines of 3-inch pipe under outside benches, no pipe under middle bench. Ideal heater rated at 1,000 feet of glass. Will piping be sufficient and how much would I make out of it per week or month, doing all the work myself, or is there any other way I could make more out of it? I intend to wholesale lily of the valley. Competition at retail is very keen.

E. A. S.

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L. R. T.

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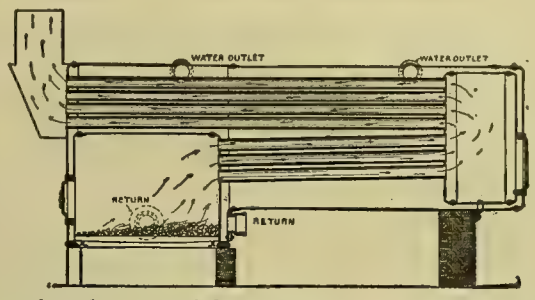

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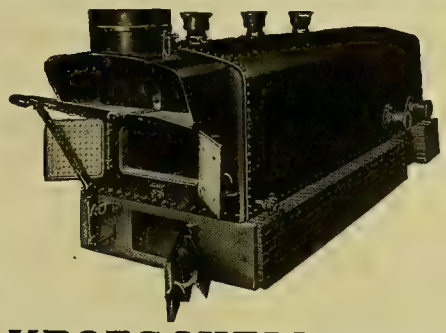

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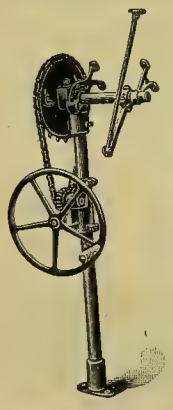

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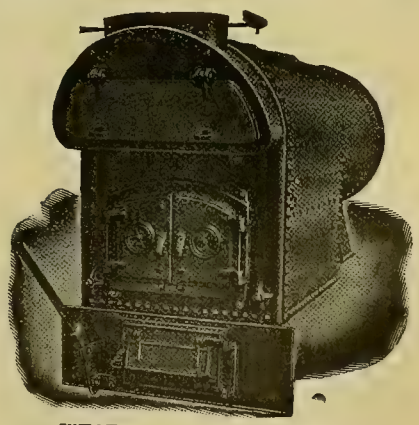

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Paper Birch and Its Uses.

The paper birch is a tree whose importance in the lumber and wood-working industries is often not fully appreciated. In comparison with such trees as the southern pine, Douglas fir, and other conifers, or even with the principal hardwoods, such as oak and ash, its total annual cut is very small indeed. Probably there are some people who do not realize that it is used at all except for fuel, birch bark canoes, baskets, and other similar useful and ornamental articles. It is, however, an exceedingly important wood in a number of wood-working industries, and there are certain articles for the manufacture of which no satisfactory substitute has yet been found, the most important of these being the spool industry. Practically every spool used in this country is made from this species. In the neighborhood of 20,000,000 feet of it, board measure, are cut every year for this purpose, and of this about 4,000,000 feet are shipped to England in the form of spool bars for use over there.

Another industry which uses nothing but paper birch is that of the manufacture of shoe pegs and shoe shanks. These are used quite largely in this country in making the cheaper grades of shoes; they are also exported to quite an extent to foreign countries, principally to Germany and Japan. The industry does not consume so much wood as the spool industry, but it is nevertheless an important one in the northeast and helps to make inroads into the forest. The toothpick is still another article for which the paper birch is used almost exclusively. Perhaps it may seem to some that so small an article as the toothpick can not consume very much wood. In comparison with many other things, this is relatively true of course; yet a single mill in Maine uses 2,000 cords of birch every year for this purpose alone. Quite recently shipments of toothpicks to England, France, and Germany, have begun to be made, and this is now an important part of the industry.

The dowel and novelty mills also use paper birch very largely in their work, although many of these also use other hardwoods to a limited extent. The bobbin and shuttle manufacturers may also be included in this same class, which altogether consumes nearly as much paper birch as the spool industry. A very interesting peculiarity of these industries, is that they not only confine themselves to paper birch, but that they are also limited almost entirely to a very small section of the country, Maine and eastern New Hampshire. Although paper birch is one of the few North American trees with a transcontinental range, being found from Newfoundland and Labrador on the east to Alaska on the west, it occurs in the United States only along the northern border, and is most abundant and most accessible in the extreme northeast. This is due to the fact that the birch readily takes possession of land that has been burnt over, and the great Miramichi fire in 1825, together with other similar fires of about that same period, gave it a chance to obtain quite a foothold there.

Unfortunately the paper birch is a short-lived tree and becomes red-hearted quite early in life, so that many of these stands are now over-mature, and ought to be cut. The decreasing supply is beginning to make itself felt, and care in its use must be practised if the wood-working industries now dependent upon it are to continue.

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refrigerator they can get to keep their stock in a salable condition. Flowers require the best system of cooling to keep them fresh, fragrant and attractive to the buyer. Florists have greater success by using McCray Refrigerators.

McCray Refrigerators

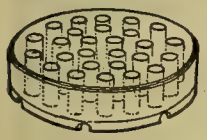
are built especially for florists. They have a patented system of refrigeration, which forces pure, fresh and cold air to all corners of the storage compartment. A McCray uses less ice than any other refrigerator. This saving in ice actually pays the first cost. They are lined with white enamel, tile, opal glass, marble or mirrors, as you prefer—easily kept clean and sweet and sanitary at all times.

The McCray line for florists consists of a wide range of regular sizes for immediate shipment, or they may be built to order for any requirement.

Write today—at once, for beautiful descriptive catalog No. 71, showing the entire line for Florists.

McCray Refrigerator Co., 760 Mill St., Kendallville, Ind.

THE "JAPANA" CUTFLOWER HOLDER



Has Come to Stay.
YOU be the first to introduce this long needed article.
Made of glass in 3 sizes.
Send for circular and price list.

M. V. GARNSEY, (Dept. B), La Grange, Ill.

Wired Toothpicks

10,000, $1.75; 50,000, $7.50. Manufactured by

W. J. COWEE, BERLIN, N. Y.

Sample free. For sale by dealers.

L. BAUMANN & CO.,

Importers and Manufacturers of

Florists' Supplies

76-78 Wabash Ave., CHICAGO.

Write for our New Catalogue F. Our prices may interest you.

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florists' Supplies.

——SEND FOR PRICES.——

404-412 East 34th St., NEW YORK.

J. SCHROEDER,

— MAKER OF —

Artificial Flowers,

344 Ontario St., CLEVELAND, O.

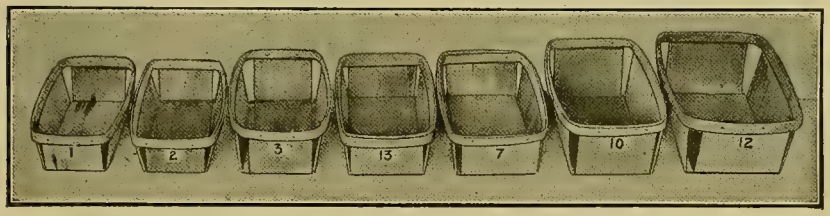
OSKALOOSA, IA.—What may result in the loss of the sight of one of his eyes happened to Wm. Magner, an employe of the Kemble Floral Co., who had a nail driven into his eye ball February 20. The sharp point penetrated the very center of the eye, leaving it in most serious condition. He was in the base of the building at the company's place of business and stepped on the blade of a hoe, the handle of which contained nails and flew up, causing the injury.

BASKETS FOR FLORISTS

COLES & COMPANY

Established 1884.
Write for Catalogue.

109 and 111 Warren St., NEW YORK.



TILL OR VERBENA BASKETS.

No. 1 is	8¼ inches long,	4½ inches wide,	2½ inches deep,	packed 500 in a crate, per 1000..$ 7.50
No. 2 is	9½ inches long,	5 inches wide,	3 inches deep,	packed 500 in a crate, per 1000.. 8.00
No. 3 is	9½ inches long,	5½ inches wide,	3½ inches deep,	packed 500 in a crate, per 1000.. 8.00
No. 13 is	10 inches long,	5½ inches wide,	3 inches deep,	packed 500 in a crate, per 1000.. 8.00
No. 11 is	10½ inches long,	6 inches wide,	4 inches deep,	packed 500 in a crate, per 1000.. 9.00
No. 12 is	11 inches long,	7 inches wide,	4 inches deep,	packed 250 in a crate, per 1000.. 10.00

With detached wire handles if required, $2.00 per 1000 additional.

MADE OF SELECTED WHITE WOOD. SPECIAL SIZES MADE TO ORDER.

Iron Reservoir Vases

AND

Lawn Settees,

Manufactured by

McDONALD BROS.,

COLUMBUS, O.

The largest manufacturers of these goods in America. Send for catalogue.

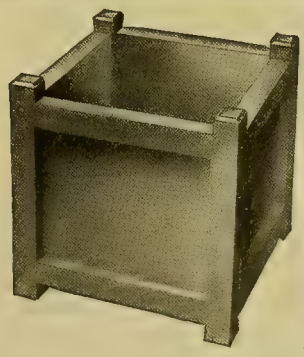
H. BAYERSDORFER & CO.,

Florists' Supplies.

1129 Arch Street, PHILADELPHIA, PA.

Send for our new catalogue.

PEORIA, ILL.—Joseph Miller, rose grower at the El Paso Carnation Co., has left here to return to Illinois, where he formerly worked for Vaughan's Seed Store greenhouses at Western Springs.



Large plants, Bay and Box trees, Palms, Hydrangeas, Agaves, etc. will soon need repotting. Use the

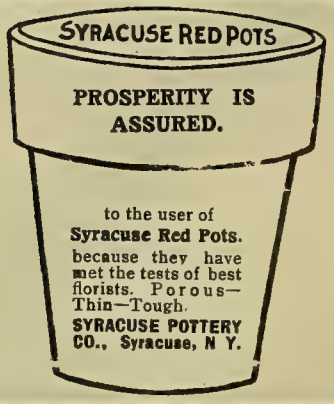
Mission Plant Box

If you want the most durable and appropriate box made. Very reasonable in price. Made of pine or cypress.

Write for prices.

Wagner Park Conservatories, SIDNEY, OHIO.

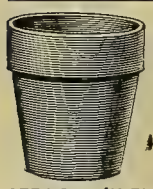
THE WHILLDIN POTTERY COMPANY
THE LARGEST MANUFACTURERS OF
STANDARD FLOWER POTS
PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.



Kramer's Pot Hangers
For Sale by Wholesale Seedsmen, Florists and Supply Dealers.
Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.
I. N. Kramer & Son, CEDAR RAPIDS, IOWA.

Twin City Pottery Mfg. Co.
Minneapolis, Minn.
Plants grow best in our Porous Pots.
STANDARD FLOWER POTS, Azalea Pans, Hanging Baskets, etc.
Send your orders early.

Florist's Red Pots
OF FINELY PREPARED CLAY.
Process and catalogue sent on request.
The Peters & Reed Pottery Co, ZANESVILLE, OHIO.



Standard Flower Pots
Porosity and Strength Unsurpassed.
Write for Prices.
A. F. KOHR,
1521 Leavitt Street, CHICAGO.

Cattle Manure In Bags Shredded or Pulverized
Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.
The Pulverized Manure Co., 32 Union Stock Yards, Chicago

Bloomington, Ill.

Trade the last two weeks has been good; stock is plentiful and cleans out well. There has been more than the usual amount of funeral work; the stores are kept busy. The weather is fine, and garden seeds have begun to sell in a small way.

The Florists' Club met March 12 at Washburn's store. Geo. J. Foster read a good paper on "Shrubs" that was highly appreciated by the members.

K.

THE KELLER POTTERY COMPANY,
Manufacturers of FLORISTS' RED STANDARD POTS.
Azalea Pots, Bulb and Fern Pans, Etc.
Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

The Ionia Pot is the Best Pot.
That's the reason why it was necessary to double our capacity in 1907 to take care of the trade of 1908. Our factory equipment is the best. Our output is the largest.
Hand your next season's order to Uncle Sam today. Our invoice will be in your hands on his return trip.
IONIA POTTERY COMPANY, Ionia, Mich.

Standard Flower Pots!
Packed in small crates, easy to handle.

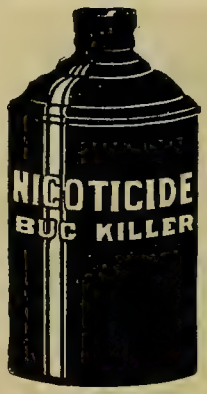
	Price per crate			Price per crate
1500	2-in., in crate,	$4.88	120	7-in., in crate, $4.20
1500	2¼ "	5.25	60-8	" 3.00
1500	2½ "	6.00	HAND MADE.	
1000	3 "	5.00	48	9-in., in crate, $3.60
800	3½ "	5.80	48	10 " 4.80
500	4 "	4.50	24	11 " 3.60
320	5 "	4.51	24	12 " 4.80
144	6 "	3.16	12	14 " 4.80
			6	16 " 4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address
HILFINGER BROS. POTTERY, Fort Edward, N.Y.
or AUGUST ROLKER & SONS. New York Agents 31 Barclay Street, New York City.

GEO. KELLER & SON,
MANUFACTURERS OF
FLOWER POTS.
Before buying write for prices.
361-363 Herndon Street, near Wrightwood Ave., CHICAGO, ILL.

Those Red Pots
"STANDARDS"
FULL SIZE AND WIDE BOTTOMS, BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'F'Y.
HARRY BALSLEY, Rep. DETRIOT, MICH. 490 Howard St.

Carman's Antipest
INSECTICIDE AND FUNGICIDE
For the Garden, Orchard and Greenhouse
Non-poisonous and harmless to vegetation.
Kills Green Fly, Aphides, Bark Lice, Thrips, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.
This is the Grower's Friend, handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. $1.50 per gallon. Also in quarts, half gallons and in bulk.
PERFECTION CHEMICAL CO., FLUSHING, N. Y.



THE BEST Bug Killer and Bloom Saver.
For PROOF Write to
P. R. PALETHORPE COMPANY,
OWENSBORO, KY.

DREER'S
Florist Specialties.
TOBACCO SOAP
The best insecticide for house plants known. Is not offensive, easily dissolved and applied. Directions with each package.
Doz., $2.00; 100, $15.00.
Retails at 25 cts.
HENRY A. DREER, 714 Chestnut St., PHILADELPHIA, PA.

Increase Crops in Orchard and Field with
THE AUTO-SPRAY
It is guaranteed to be the most powerful, easily operated, economical hand sprayer made. With it a boy outworks three men with ordinary device. Used by U. S. Government and State Experiment Stations. Fitted with Auto-Pop Nozzle it is equal to large operations as well as small. Write if you want agency. Spraying Calendar Free.
E. C. Brown Co., 74 Jay St. Rochester, N. Y.

GREENHOUSE GLASS

PRICES WAY DOWN! DON'T HESITATE! WRITE TO-DAY!

You have been waiting for just such a time as the present and unless all signs fail, you will make no mistake in buying for present and future needs. Tell us the sizes you use, and we will quote prices that mean business.

HOOKER'S GREENHOUSE WHITE

WHITE AS SNOW. READY FOR USE. TOUGH AS LEATHER.

Years of experience and study have produced this wonderful wearing white and you know it requires just as much time to put on a cheap paint as it does the best.

Half Barrels, (25 Gals.) per gal. $1.40. 5 Gallon Buckets, per gal. $1.50.

H. M. HOOKER COMPANY,

Long Distance Phone Monroe 4994.

120 to 128 W. Washington St., CHICAGO.

Indianapolis.

BUSINESS SATISFACTORY.

Business for the last two weeks has been very satisfactory; violets especially were in good demand. Sales of Crimson Rambler and American Beauty bushes by dry goods houses and street merchants are among the signs of spring; the American Beauty is always labeled "the celebrated New Castle stock," but generally does not look its part.

STATE FLORISTS' ASSOCIATION.

The March meeting of the State Florists' Association was well attended. Of the flowers and plants exhibited, the judges reported as follows:

Poehlmann Bros. Co., Morton Grove, Ill., honorable mention for Mrs. Potter Palmer rose.

H. W. Reiman, honorable mention for pink carnation seedling, also orchid flowered cyclamens.

R. Witterstaetter, Cincinnati, O., special mention for Afterglow.

The new white carnation, Shasta, of Baur & Smith, scored 85 points. Further exhibits attracting much attention were a vase of Bauer & Smith's seedlings and a vase of their fine shell-pink May; also a vase of Winona from F. Dorner & Sons Co., a beautiful pink, with excellent stem.

NOTES.

Smith & Young Co. will make a number of improvements at their Cumberland plant, including an extensive drainage system, planting of a couple of acres of spruce for Christmas trees and a propagating house.

John Hartje has closed a deal for 10 acres four miles south from city, and is making preparations to erect a modern range of glass for general stock and carnations.

The meeting of the Florists' Club held at F. Hukriede's place was, as usual, a great success; the attendance was very large, in fact, only a few were missing.

H. Wiegand, of Wiegand & Sons, is justly proud of his orchid section. G. Wiegand is on his way home from California.

Bertermanns are planning an addition to their Cumberland place.

John Elsner has bought a number of Evans ventilator machines.

F. Conway continues to cut fine callas in great numbers.

Visitors: F. Dorner, Jr., Lafayette, E. G. Hill, Richmond; H. Stuart, Anderson; J. Evans, Richmond; S. S. Skidelsky, Philadelphia, Pa.

J.

GLASS A and B Quality

SINGLE AND DOUBLE STRENGTH

CATCHY PRICES. QUICK DELIVERY.
WELL PACKED. NEAT BOXES.
CAREFULLY LOADED. MINIMUM BREAKAGE.

BAUR WINDOW GLASS CO., Manufacturers, EATON, IND.

The Johnston Glass Company

HARTFORD CITY, INDIANA,

Manufacturers and Jobbers of

WINDOW GLASS

For Conservatories, Greenhouses and Gardeners.

Special Prices on Hotbed Sizes. Standard Quality. Large Capacity. Lowest Prices.

The James H. Rice Co.

IMPORTERS and JOBBERS

GREENHOUSE GLASS

A SPECIALTY.

Window Glass, Paint, Putty, etc.

Office and Warehouse: Corner of Michigan, St. Clair and Illinois Streets, CHICAGO.

SPRAGUE, SMITH CO.

Jobbers of WINDOW GLASS.

GREENHOUSE GLASS

A SPECIALTY.

167-169 Randolph Street, CHICAGO.

LOUISIANA RED CYPRESS

Says Bobbink & Atkins, of Rutherford, N. J., "Lasts with us from two to three years longer than any other wood for table purposes, and its life seems to be endless when used in ordinary greenhouse construction. We use cypress solely in our Plant Tub Department and manufacture tubs of all sizes, from the smallest to the largest, of cypress."

It Is Best for Greenhouse Building.

It is the only wood that successfully withstands the almost intolerable alternate wet and dry conditions incident to this work.

It Is the Most Durable Wood Known.

Ask about it at your local lumber yard or write

LOUISIANA RED CYPRESS CO.

Hibernia Building, NEW ORLEANS, LA.

Decay in Wood Prevented.

It is estimated that a fence post, which under ordinary circumstances will last for perhaps two years, will, if given preservative treatment costing about 10 cents, last 18 years. The service of other timbers can be doubled and often trebled by inexpensive preservative treatment. Today, when the cost of wood is a big item to everyone, this is a fact which should be carefully considered.

It is estimated that 150,000 acres are required each year to grow timber for the anthracite coal mines alone. The average life of an untreated mine prop is not more than three years. By proper preservative treatment it can be prolonged by many times this figure. Telephone and telegraph poles, which in 10 or 12 years, or even less, decay so badly at the ground line that they have to be removed, can, by a simple treatment of their butts, be made to last 20 or 25 years. Sap shingles, which are almost valueless in their natural state, can easily be treated and made to outlast even painted shingles of the most decay-resistant woods. Thousands of dollars are lost every year by the so-called "bluing" of freshly sawed sapwood lumber. This can be prevented by proper treatment, and at a cost so small as to put it within the reach of the smallest operator.

In the south the cheap and abundant loblolly pine, one of the easiest of all woods to treat, can by proper preparation be made to take the place of the high-grade longleaf pine for many purposes. Black and tupelo gums and other little-used woods have a new and increasing importance because of the possibility of preserving them from decay at small cost. In the northeastern and lake states are tamarack, hemlock, beech, birch, and maple, and the red and black oaks, all of which by proper treatment may help to replace the fast-diminishing white oak and cedar. In the states of the Mississippi valley the pressing fence-post problem may be greatly relieved by treating such species as cotton-wood, willow, and hackberry.

Circular 139 of the forest service, "A Primer of Wood Preservation," tells in simple terms what decay is and how it can be retarded, describes briefly certain preservatives and processes, gives examples of the saving in dollars and cents, and tells what wood preservation can do in the future. The circular can be had free upon application to the Forester, Forest Service, Washington, D. C.

Heating Greenhouses.

ED. AMERICAN FLORIST:—

In making changes in the plant, we are going to use a carnation house for roses. The house is 21 by 80 feet. At present we have 18 2-inch pipes to heat the building and these run nearly the full length of the house. How many more pipes will we require to get a night temperature of 60°? The thermometer here often runs down to 20 below zero. How do you figure on heating a greenhouse? Is it the number of square feet of glass or the cubic contents of the structure?

S. & P.

So much depends upon the arrangement of the piping and the location and efficiency of the boiler, that it is difficult to give a very definite answer to questions like the above. Under fair conditions it would seem that there is enough piping for a temperature of 55°, unless the house is considerably exposed to sweeping winds. In that case only three more pipes would be required to furnish 60°, but if only 50° can be kept up, about six additional pipes will be required, of which two should be flows and four returns. In determining the radiation, the number of square feet of glass is considered, rather than the cubic contents of the house, although if there is anything that will affect the heating of the house it should be taken into account.

L. R. T.

Greenhouse Building.

Cincinnati, O.—Walter Gray, three or four rose houses.

Hoopeston, Ill.—Peterson & Lawrence, three houses, 20x250 feet.

Tacoma, Wash.—Northwestern Floral Co., two houses, 20x100 feet.

Southampton, Pa.—Steven Mortensen, one rose house, 43x265 feet.

Wichita, Kans.—W. M. Shanks will build four houses, 28x100 feet, the coming summer; A. T. Buckeridge, two houses; L. Petler and A. R. Davison will also build in the summer.

San Francisco, Cal.—H. Plath, one fern house 26x235 feet.

Pass Christian, Miss.—J. B. Adams, one house, 20x65 feet.

Corona, Cal.—Hiram Strauss, one greenhouse.

Milwaukee, Wis.—Holton & Hunkel, one asparagus house.

Mobile, Ala.—Chatogue Greenhouses, 25,000 feet of glass; Minge Floral Co., 10 houses, 13x100 feet. C. Ravier & Sons, one carnation house.

Birmingham, Ala.—Hugh Seales, new range of houses.

Nashville, Tenn.—Joy Floral Co., three houses 32x400 feet; Geny Bros., two carnation houses 24x100 feet.

Minneapolis, Minn.—Carlson & Sandberg, one violet house, 22x125 feet; T. H. Hall, one violet house.

Denver, Col.—Park Floral Co., several new houses.

St. Charles, Ill.—Henry Swaby, one greenhouse, 30x130 feet.

Hollywood, Cal.—A. F. Borden, three greenhouses.

Hutchinson, Kans.—G. M. Schurr, two houses, 28x100 feet.

Albany, N. Y.—Amos F. Balfoort, addition to greenhouses.

Trinidad, Col.—Trinidad Floral Co., addition of about 7,000 feet of glass in spring.

Milwaukee, Wis.—John Rossow, one house for violets.

Toronto, Ont.—Grobba & Wandrey, new range of greenhouses; Wm. Mackay, one greenhouse.

Chicago.—Chicago University, zoological department, two houses, 29x100 feet.

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXX. **CHICAGO AND NEW YORK, MARCH 28, 1908.** **No. 1034**

THE AMERICAN FLORIST

TWENTY-THIRD YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—FRANK H. TRAENDLY, New York, Pres.; W. N. RUDD, Morgan Park, Ill., Secy.; H. B. BEATTY, Pittsburg, Pa., Treas. Next meeting at Niagara Falls, N. Y., August, 1908.

THE NATIONAL FLOWER SHOW.

CHICAGO, November 6-15, 1908.

Wm. F. Kasting, Buffalo, N. Y., is chairman of the general committee in charge. Chairmen of sub-committees follow:

EXECUTIVE AND FINANCE—Wm. F. Kasting, Buffalo, N. Y.
AMERICAN EXHIBITS—Ph. Breitmeyer, Detroit.
FOREIGN EXHIBITS—E. G. Hill, Richmond, Ind.
PREMIUM LIST—W. N. Rudd, Morgan Park, Ill.
ADVERTISING AND PUBLICITY—J. H. Burdett, 1411 First Nat'l Bank Bldg., Chicago.
LOCAL MANAGEMENT, PRIVILEGES AND CONCESSIONS—J. C. Vaughan, Chicago.
SPECIAL FEATURES—Otto G. Koenig, 6471 Florisant Ave., St. Louis, Mo.
RECEPTION—Aug. Poehlmann, Morton Grove, Ill.
AUDITING—J. A. Valentine, Denver, Colo.
TREASURER—I. C. Bertermann, Indianapolis, Ind.

The above chairmen have power to select their various committees from the general committee of 50 or the members of the S. A. F. at large.

Legend of the Moss Rose.

The angel of the flowers one day
Beneath a Rose bush sleeping lay,
That spirit to whose charge is given
To bathe young buds in dews from heaven.
Awakening from his light repose
The angel whispered to the Rose:
"O fondest object of my care,
Still fairest found where all are fair,
For the sweet shade thou'st given me,
Ask what thou wilt—'tis granted thee."
"Then," said the Rose with deepening glow,
"On me another grace bestow."
The spirit paused in silent thought—
What grace was there that flower had not?
'Twas but a moment—o'er the Rose
A veil of moss the angel throws;
And robed in nature's simple weed,
Could there a flower that Rose exceed?

American Rose Society.

NINTH ANNUAL MEETING, CHICAGO, MARCH 25-27.

A Fine Exhibition.

A most pleasing feature of the splendid convention and exhibition of the American Rose Society now in progress at the Art Institute, Chicago, is the pleasant meeting of eastern and western growers. The growers of the east have come out nobly with their splendid flowers, and these, with the wealth of flowers from Chicago and the middle west, have made up an exhibition worthy of the best traditions of the American Rose Society. "It is the grandest show of cut roses ever seen," one well known exhibitor remarked, and his opinion seemed to be that of a great many more. Very beautiful the hall looks at the time we are going to press; the lovely groups of various roses of the rambler and similar classes, the immense vases of American Beauty, Richmond, Killarney and other popular sorts take on an added beauty owing to their suroundings of fine carving and statuary in the hall, while viewed from above the show is exceedingly bright in its artistic surroundings. The display of pot roses, outside the rambler classes, was disappointing and it is much to be regretted that the class for which Philip Breitmeyer and Arthur Boddington offered such liberal prizes was not filled. The collections of roses were extremely interesting and there were many rose species not often seen.

We were much interested in the fine exhibit of Newport Fairy, the lovely single polyantha or rambler rose exhibited by Julius Roehrs Co., Rutherford, N. J. Plants in various sized tubs were shown, some of them from field grown plants, others plants that had been kept in pots, and both appeared to have stood the forcing equally well. The plants were literally covered in flower, the small bottom shoots even being crowned with a cluster. The color when first open is of a very deep rosy pink, becoming paler with age, and it is difficult to say which is the most beautiful. The illustration of this lovely rose sent out by the firm is by no means overdrawn; it is a truly beautiful variety, its excellent foliage being not the least of its merits.

The group of rambler and other roses in pots put up by Vaughan's Greenhouses, Western Springs, were excellent. In place of the flat, heavy and crowded groups sometimes seen, sloping back from front to rear, this was broken in outline, relieved by neat light standards and taller plants, the front being finished with tiny plants of White Baby Rambler and similar very dwarf varieties. Among the more prominent varieties we noted Tausendschon, a lovely pink flower, shading to nearly pure white in the center. There were tall and medium standards of the now well known Dorothy Perkins. Philadelphia Rambler, with its very double, red, daisy-like flowers, is worth noting, though the color is a little dull. Hiawatha and La Fiamme are two lovely single ramblers or polyanthas most delightful in their delicacy of shading. The former is the darker of the two and both are extremely free flowering. Lady Gay and Sweetheart are two beautiful things and these are only a few of the best of the 30 varieties in this excellent group.

In the cut flowers, perhaps the most noticeable exhibits are the grand vases of Killarney from the east. W. H. Elliott, of Brighton, Mass., has certainly the finest Killarney ever shown in the west and these grand flowers were cut and packed on Sunday and opened here on Wednesday, three days in the boxes. But they made a grand showing, the flowers being simply immense and, beyond being slightly open, showed absolutely no signs of their long journey. The color, so well displayed by this grand variety when partly open, is perfect and the stems and foliage could not be better. These grand flowers are shown in the class for 50 and for 100 blooms and were certainly an eye-opener. This noted grower also shows, among other varieties, a pretty vase of Safrano, reminding one of old times.

W. A. Manda, South Orange, N. J., has an interesting exhibit of the Cherokee rose, R. Sinica or lævigata. The pure white petals of this fine single rose are most beautiful and well set off by the yellow center stamens and the grand, deep green foliage. Mr. Manda says he has this fine rose in good condition in his greenhouses, where it makes a very pretty show, and we can quite believe it.

The old green rose is also exhibited, but this is not by any means showy, simply a botanical curiosity. A vase of a promising looking bright pink seedling carnation, No. 20, is also included.

The 25 vases shown by the E. G. Hill Co., Richmond, Ind., consist of many fine varieties and are very interesting. Rhea Reid takes a prominent position and there are several promising seedlings. Franz Deegan is not often seen, the flowers being of a deep yellow that is very attractive. Betty, a very pale pink or rose suffused with coppery yellow, looks well, and another handsome globular pale rose variety is seen in Pharisaer. Phyllis is a pretty red polyantha, and Countess of Gosford and Mlle. Simon Beaumerz (white) are worthy of note.

Grand exhibits of American Beauty are among the prominent features of the Chicago growers. The Poehlmann Bros. Co. has excellent flowers and the same may be said of Bassett & Washburn, Weitor Bros., Peter Reinberg and others. Geo. Reinberg's exhibit of Bride, Bridesmaid and Kate Moulton was very fine and this noted grower has some of the grandest Richmond ever seen here. The flowers are of the richest color and the foliage is deep, almost black green, the stems stiff and perfect in every way. Cardinal, shown in the Dorrance cup class by Poehlmann Bros., is also grand and perhaps the finest of Peter Reinberg's exhibits are the grand flowers of Uncle John and Ivory.

Wm. P. Craig, Philadelphia, shows two vases of Mrs. Jardine in good order, and among other novelties shown are Alice Roosevelt and Wyndmoor. Several important consignments of flowers had not arrived at the time of writing, owing to delay on the railroad. The Florex Gardens, North Wales, Pa., and Weiland & Olinger, New Castle, Ind., were among the names we heard mentioned as having suffered in this respect.

The Annual Meeting.

The annual meeting was called to order by President Simpson in Fullerton hall of the Art Institute at 8 p. m., March 25, with a good representative attendance.

President's Address.

Fellow members of the American Rose Society: Another year has rolled around and we again meet in our annual convention to look and talk over the work of the year that is past, and to plan the policy and work of the society in the future. Last year we met in the capital of our country and many of us felt honored by having the privilege of taking the hand of the president of the United States in ours and receiving his kindly greeting and good wishes for ourselves, and noting his appreciation of the work being done by the American Rose Society and many of the individual members. It was said by many of our members that the Washington meeting was in many respects more enthusiastic, and gave promise of larger permanent results than any of its predecessors.

This year, through the generous invitation of the Chicago Florists' Club, the American Rose Society plants its banner in the city of Chicago, the great and magic city of the west, where more roses are produced under glass, and distributed over a larger area, than perhaps can be said of any other center in the country, not even excepting New York. It seems, therefore, eminently fitting that this society should honor this city and this rose growing center by holding its exhibition and convention here this year. Many of you have seen the splendid exhibitions given in the city of Chicago in the past and have felt certain that the rose exhibition this year would be a distinct advance over anything hitherto attempted or seen in this city of big things.

I wish most heartily to express my appreciation of the work done by the Chicago Florists' Club and the rose show committee appointed by the club to secure special premiums and arrange the many details incident to an undertaking of this kind. When we remember that the local florists have on their hands and minds the National Flower Show to be given here next November, and that they will have to give much of their time and means to put it through in a manner befitting the occasion and the scope of the undertaking, we are constrained to take off our hats to the men who have secured such an array of special premiums as our list shows, and have made possible such a splendid exhibition as that we have seen today.

August Poehlmann.

Chairman Executive Committee American Rose Society.

The meeting of our society here in this western center, for the first time in its history is a good augury for the future of the society, I am very sure. We shall miss a good many faces here that have become familiar through meeting them so frequently at the annual gatherings in the east, but we are to make new friends that will join with the old in making this society a tower of strength, and make it truly national in scope and character, as well as in name.

In seeking to make recruits to our organization one frequently hears the remark, "What is the use of having so many societies anyway, and what benefit would it be to me if I should join the American Rose Society?" The only answer that I can give is, "That practically every grower of repute who has had his attention called to the aims and purposes of this organization has become a member of it, and if we give the matter a very little thought we will find that, with a very few exceptions, the men who hold aloof are back numbers in the trade. You will find that the brainiest and most progressive men in the business today are members of the rose, the carnation, the chrysanthemum, or some other society devoted to their specialty. An orchid society is now being projected as a necessary adjunct to the orchid business. Read the printed matter on the back of the American Rose Society's letter paper and you will find its aim is "To increase the general interest in the cultivation and to improve the standard of excellence of the rose for all the people. To foster, stimulate and increase the production in every possible way of improved varieties of the rose suitable to our American climate and requirements." A very noble aim this surely, and one that should naturally tend to the benefit of every man engaged in the growing or selling of roses for a living. The annual exhibitions, affording as they do to raisers of new roses the very best opportunity of getting their novelties before a critical tribunal, and the opportunity offered the searchers for novelties to see these and judge of their merit is a very important feature of the work of such societies, and the man who follows up these exhibitions and has the judgment to discern the good and bad points of both new and old varieties, and will gauge his planting accordingly, discarding the varieties that have become old and common and giving space to newer sorts of undoubted merit, is the man who will have money to build more greenhouses and buy automobiles.

Very few of the visitors to the Washington or Boston exhibitions returned home without receiving inspiration to strive for a higher grade of flowers as the product of his skill, with the feeling of satisfaction with his calling, and with a determination to add dignity to it, and to make his business stand for something in the community.

The American Rose Society certainly claims a share in the good work of making conditions more favorable for the rose grower of today. What has been done up to the present, however, is as nothing compared to the work that lies before it when, with increased membership and available funds, it is in a position to disseminate knowledge that will enable lovers of the rose, and that includes practically every citizen of this country, to plant varieties, and cultivate them in such a way as to give joy and satisfaction to the planter. There will then be sold by the nurseryman and florist for outdoor planting more roses than we can at present conceive of, and the prophecy will be fulfilled, "The desert place shall rejoice and blossom as the rose."

More has been done during the term of our present secretary to put the society upon a sound and permanent basis, and to present its claims and benefits to the florists of the entire country, and to many who do not grow roses for a living than most of you are aware of; the volume of correspondence and the amount of clerical work done would stagger most of us, if it should be put upon us, and he certainly deserves the thanks of every member of this body for his painstaking work, done entirely for love of the good cause, and refusing any pecuniary compensation therefor.

During the past year the expenses have been out of proportion to the income, the officers having advanced money to meet obligations and carry on the work, trusting to the receipts of this meeting to balance accounts; failing in this I suggest that a few friends of the society meet here in Chicago, and together lift the treasury out of its awkward predicament. Certificates for new varieties authorized at our last meeting and life membership certificates, have been provided at considerable expense, but we think to the credit of the society.

A resolution was favorably received at the Washington meeting requesting the executive committee to consider the proposition of establishing a Rose Journal. This matter has received considerable thought and discussion during the year at the hands of the committee, and the secretary was authorized to go ahead and issue a prospectus, which has been sent out broadcast and has been commented on very favorably. The secretary will present to you a fuller report on this proposition; I would ask for it your care-

AMERICAN ROSE SOCIETY.

Poehlmann's Vases of American Beauty at the Chicago Show.

ful and thoughtful consideration. If the members will support it in sufficient numbers it can be put through, otherwise it must be dropped.

A committee was appointed to confer with the Association of American Nurserymen relative to the holding of an exhibition of outdoor roses in June, under the joint auspices of the two organizations. E. G. Hill, as chairman, will report on the work of this committee. Through the good offices of Ex-President Newbold an invitation has been extended to the American Rose Society by the Horticultural Society of New York to hold a June show this year in Bronx Park, New York, the latter society to furnish the money and take care of all the details, and our society to offer certificates, medals, etc., and assist in arranging the schedule. The offer was accepted and the exhibition is assured, but the executive committee of the Rose Society authorized the offering of certificates, bronze and silver medals for new varieties only.

It is the wish and desire of the members of the committee that the nurserymen, and all others who grow outdoor roses extensively will keep this exhibition in mind and arrange to make extensive displays of roses in Bronx Park next June. The educational features of such an exhibition that is free to all should be very great, and as an advertising medium it is not to be despised.

In arranging the programme for this meeting the commercial rose grower has perhaps been brought to the front more than the amateur, which probably is as it should be at the present stage, but it will not do at all I think to allow this society, now or in the future, to drift into a trade organization and have its work restricted to the holding of exhibitions and exploiting of new varieties; that would be praiseworthy work, but it can do that and a great deal more by opening wide its doors, and seeking the co-operation of every man and woman in this broad land who has roses in his heart or in his garden. We should have in our ranks every authority on roses in the country, and the secretary should have a list of these authorities to whom he could refer questions that are too difficult for him to handle.

Finally, gentlemen, let us take a wide outlook, let us be broad in our views, and in our discussions at this meeting; let us be considerate of each others' feelings, remembering that we have but one object in view, the placing of the rose on the pedestal where she rightfully belongs, and the ennobling of our calling and profession.

Secretary's Report.

The secretary first and foremost desires to publicly acknowledge the value of the service rendered by the trade papers, AMERICAN FLORIST, Florists' Exchange, Florists' Review and Horticulture, named in order of their age, for the courteous consideration which one and all have given to matters pertaining to the American Rose Society. It has been the effort of your secretary to get before the public as much publicity as we could, because this society was founded with the idea of its becoming an extensive popular association to spread the love of the beautiful rose among the people.

And another important fact is that the work of co-operation and patronage incumbent upon a national society cannot be done unless the society is provided with revenue and the revenue depends upon its membership. The American Rose Society should be able to patronize local societies by offering its medals freely, but all this takes revenue. The life membership fund gradually increases and this affords a revenue of four per cent on the investment per annum, and the fund is now close to $3,000. our life membership stands at 50, the annual membership paid for the year 1907 was 110, and the associate membership was 10.

The money awarded by the society at its last show reached the sum of $309 for stated premiums, besides the specials.

The bulletin of the annual meeting, which was begun under Secretary W. J. Stewart's term of office, has been continued and 600 copies issued. These books seem to be highly appreciated, secretaries of kindred societies asking for them in various instances. To get out these books nicely is considerable expense, and part of this cost was met by soliciting a half or full page advertisement. Out of 60 letters sent out favorable replies came back.

CERTIFICATES OF MERIT.

At the Washington meeting last March the desirability of issuing a certificate of merit, for new roses which did not reach the score required for such novelties to win a society medal, was discussed and recommended. The executive committee acting upon that recommendation prepared such certificates and issued seven; E. G. Hill Co., Richmond, Ind., Rhea Reid; F. H. Kramer, Washington, D. C., Queen Beatrice; Myers & Samtman, Wyndmoor, Pa., Wyndmoor; M. H. Walsh, Woods Hole, Mass., Paradise, La Fiama, Delight and Juniata. This recognition seemed to please everyone.

Up to last year there had not been any certificate of life membership nor any society seal; a handsome certificate was made, a special seal prepared and adopted and 54 of these life certificates have been issued to persons who have paid the $50, which is the amount that is creating the permanent fund of the society. The certificate was sent to the family of deceased members.

The American Rose Society has been invited to hold a June show in the Botanical Garden in Bronx Park, New York, in connection with the New York Horticultural Society. Ex-President Frederick R. Newbold attended one of the executive committee meetings and formally extended the invitation and the same was duly accepted.

The executive committee held five meetings in New York; these meetings were always attended by some from a distance and such members as were not personally present invariably reported by letter.

Early in the year, Vice-President Philip Breitmeyer of Detroit set the pace for a fine special premium list, seconded by Arthur T. Boddington of New York, which under the fostering care of Messrs. Poehlmann, Asmus and others of Chicago swelled to very satisfactory dimensions.

At the last annual meeting a rose journal was a topic which grew out of the question given by President Simpson, "How to increase the interest and

thus the membership." The secretary assumed the responsibility of issuing a prospectus and mailing the same to all the present membership. The details of the results will be taken up more fully separately.

The record of the year shows that after nine years the American Rose Society lives; it has crossed the Alleghanies. Born on the ocean shore, holding its earliest exhibit in the metropolis of America, going to the garden city of Pennsylvania, then to the scholarly city of Boston, from there to the capital of the nation, welcomed by President Roosevelt, then accepting the cordial invitation from Chicago. Here we are in this imperial city of the west with such a show before our eyes as maketh the heart glad, and our motto is "A rose for every home, a bush for every garden"; and this if carried out means beauty and grace in the homes of all the people.

Treasurer's Report.

The following is the report of Treasurer Harry O. May. In addition to the general account given below seven new life members have joined the society making a total of 55 life members to date.

STATEMENT.

Cash received on gen'l account $1,332.62
Disbursements 1,077.07

To balance on hand.....$ 253.55

The Awards.

The following are the awards as far as these were procurable at the time of going to press.

CUT FLOWERS.

Twenty-five blooms Mme. Chatenay.—Robt. Simpson, Clifton, N. J., first; A. Farenwald, Roslyn, Pa., second.

Twenty-five Richmond.—W. H. Elliott, first.

Twenty-five any other tea or hybrid tea.—W. H. Elliott, first.

Twelve Bride.—W. G. Badgley, Chatham, N. J., first; J. F. Ammann, Edwardsville, Ill., second.

Twelve Killarney.—J. F. Ammann, second.

Twelve Richmond.—J. F. Ammann, first.

Twelve Ivory.—J. F. Ammann, first.

Twelve Uncle John.—J. F. Ammann, second.

SPECIAL PRIZES.

Fifty blooms American Beauty, American Rose Society's prize.—Myers & Samtman, Chestnut Hill, Philadelphia, first.

Display of cut roses, all varieties (the Dorrance Challenge prize), valued at $250, offered by Benjamin Dorrance; the winner to hold the prize a year and on relinquishing it to the society for another competition at the end of that period to receive a silver shield suitably engraved, as a permanent record of his having held the prize. The names of the winners will be engraved consecutively on the prize.—Poehlmann Bros. Co.

Vase of Richmond, 100 blooms, $50 in gold, offered by E. G. Hill Co., Richmond, Ind.—Poehlmann Bros. Co.

For the largest and most varied collection of cut roses of all classes, one or more blooms in vase, the variety to count 65 points, silver cup or $25 in gold, offered by W. A. Manda, South Orange, N. J.—E. G. Hill Co., Richmond, Ind.

One hundred blooms Killarney, prize of $50, offered by Robert Simpson, Clifton, N. J.—W. H. Elliott, Brighton, Mass.

Fifty blooms of Killarney, $25, offered by Dingee & Conard Co., West Grove, Pa.—W. H. Elliott.

Fifty blooms of Bride, $25, offered by Emil Beuttner, Park Ridge, Ill.—Bassett & Washburn, Chicago.

Fifty blooms of Liberty, $25, offered by the John Davis Co., Chicago.—A. Farenwald.

Fifty blooms of Ivory, $25, offered by J. F. Wilcox, Council Bluffs, Ia.—Peter Reinberg, Chicago.

Best 100 blooms of pink roses in the show, any variety.—Poehlmann Bros. Co., Chicago, with Killarney.

Fifty blooms of red roses (Richmond and American Beauty excluded), $25, offered by Poehlmann Bros. Co., Chicago.—E. G. Hill Co., Richmond, Ind.

One hundred blooms of Uncle John, $25, offered by Weitor Bros., Chicago.—Peter Reinberg.

Fifty blooms of American Beauty, $50, offered by the Mogg Coal Co., Chicago.—Myers & Samtman.

One hundred blooms of Mrs. Potter Palmer, $50, offered by S. Freeman & Sons, Chicago.—Poehlmann Bros. Co.

Twenty-five blooms of pink roses not disseminated prior to 1908, silver cup, value $15, offered by J. B. Deamud, Chicago.—Myers & Samtman, with Wyndmoor.

Twenty-five blooms Killarney, $10, offered by Kroeschell Bros. Co., Chicago.—Poehlmann Bros. Co.

Fifty American Beauty, two tons of florists' bone, offered by Darling & Co., Chicago.—Poehlmann Bros. Co.

One hundred American Beauty, silver cup, valued at $100, offered by Crane & Co., Chicago.—Poehlmann Bros. Co.

Twenty-five blooms of Killarney, $10, offered by Holton & Hunkel Co., Milwaukee, Wis.—Poehlmann Bros. Co.

Fifty blooms of a new forcing rose never before exhibited for competition, a silver loving cup, offered by Heller Bros., New Castle, Ind.—Myers & Samtman, with Wyndmoor.

Specimen climber, trained or not, in tub or pot (not less than 12 inch).—Vaughan's Greenhouses, Western Springs, Ill., second.

Two hundred lily of the valley—Poehlmann Bros. Co., first; H. N. Bruns, second.

Visitors.

J. F. Ammann, Edwardsville, Ill.
Philip Breitmeyer, Detroit, Mich.
John Carey, Detroit, Mich.
J. D. Carmody, Evansville, Ind.
W. W. Coles, Kokomo, Ind.
Wm. P. Craig, Philadelphia, Pa.
Peter Crowe, Utica, N. Y.
Geo. Dysinger, Ionia, Mich.
Wm. H. Elliott, Brighton, Mass.
J. A. Evans, Richmond, Ind.
C. Everett, Madison, Wis.
E. J. Fancourt, Philadelphia, Pa.
Adolph Farenwald, Roslyn, Pa.
Geo. M. Garland, Des Plaines, Ill.
E. V. Hallock, Queens, N. Y.
Benj. Hammond, Fishkill, N. Y.
Miss Marion Hammond, Fishkill, N. Y.
Frank Holznagle, Detroit, Mich.
A. R. Hutson, Brighton, Mass.
J. J. Karins, Philadelphia, Pa.
Wm. F. Kasting, Buffalo, N. Y.
Otto G. Koenig, St. Louis, Mo.
A. F. Longren, Des Plaines, Ill.
W. A. Manda, South Orange, N. J.
E. G. Mann, Richmond, Ind.
G. B. Maynadier, Washington, D. C.
Alex. Montgomery, Jr., Natick, Mass.
Frank P. Myers, Philadelphia, Pa.
F. R. Pierson, Tarrytown, N. Y.
Wallace R. Pierson, Cromwell, Conn.
Julius Roehrs, Jr., Rutherford, N. J.
Mrs. Julius Roehrs, Jr., Rutherford, N. J.
Martin Samtman, Philadelphia, Pa.
Robt. Simpson, Clifton, N. J.
S. S. Skidelsky, Philadelphia, Pa.
W. J. Stewart, Boston, Mass.
J. F. Sullivan, Detroit, Mich.
Norman Sullivan, Detroit, Mich.
F. H. Traendly, New York.
Clarence Upton, Philadelphia, Pa.
J. A. Valentine, Denver, Colo.
G. A. Vanderploeg, Erie, Pa.
P. Welch, Boston, Mass.
Theo. Wirth, Minneapolis, Minn.
John Young, New York.
John Welch Young, Philadelphia, Pa.

ROSE CAROLINE TESTOUT.—"If I might plant but one rose," is discussed in the Journal des Roses by A. Van den Heede, who concludes that for color, hardiness, form, beauty of plant and foliage, perfume and constancy of bloom Caroline Testout bears the palm for the amateur.

AMERICAN ROSE SOCIETY.
Elliott's Vase of Killarney at the Chicago Show.

John H. Dunlop, Judge.

Philip Breitmeyer, Vice-President.

Emil Buettner, Judge.

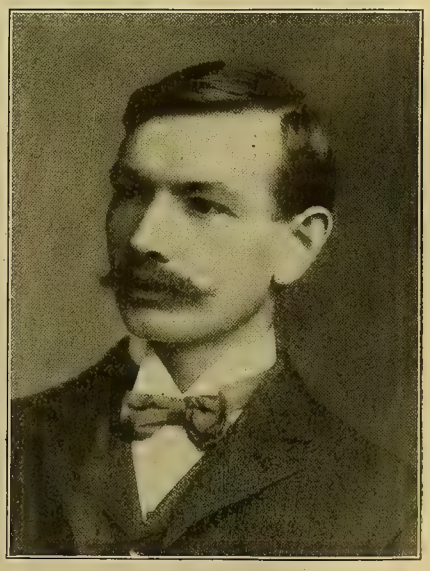
M. H. Walsh.

Leonard Kill.
President Chicago Florists' Club.

Adolph Farenwald.

P. J. Lynch.

W. A. Manda.



Peter Bisset.

SOME PROMINENT MEMBERS OF THE AMERICAN ROSE SOCIETY.

Pot Roses for Easter.

BY ROBERT CRAIG, PHILADELPHIA, PA.

It was thought by the officers of the rose society that some notes on this subject would prove useful to beginners in the business, and in accordance with that idea, I give the results of my observation and experience: The principal obstacle in the way of having fine specimen roses at Easter lies in the difficulty of obtaining sufficiently strong plants. In roses of the Crimson Rambler and Wichuraiana types, strong canes can be had by planting out in the open ground in heavy soil, well manured and leaving the plants out at least one winter; when they are left out for two winters they make extra strong plants, with long, strong canes suitable for training into large specimens.

Magna Charta, which is undoubtedly the best of all the hybrid roses as an Easter pot plant, may be treated in like manner; this also applies to Clothilde Soupert, which is deserving of special mention on account of its freedom of bloom, distinct color, and above all, its good keeping qualities; it may be kept, in a cool house, for two weeks in full bloom, which cannot be said of many of the varieties. Among other good Easter hybrids for pots (I know of but few) may be mentioned Mrs. John Laing, Ulrich Brunner, of fine color but a poor keeper; Rodocanachie, Mlle. Gabriel Luizet, General Jacqueminot and Killarney; if sufficiently strong canes of the latter can be had it is one of the most attractive; but these varieties do not make strong plants on their own roots in the open ground, especially in the northern states.

IMPORTED PLANTS.

For such varieties as cannot be obtained from nurserymen in this country, recourse must be had to importing the strongest plants possible from Europe in the fall, preferably from England or Ireland, budded low on manetti. Those from Holland are generally budded too high on the stock to make attractive pot plants. Plants which are packed for shipment should have their roots surrounded by damp moss, and should be exposed to the air as little as posible from the time of lifting until they are potted; many failures result from lack of this precaution. The plants should not be lifted until they have had some frost to thoroughly ripen the wood; in the latitude of Philadelphia this is usually from the middle to the latter part of November. I have never been able to get, however, plants uniformly strong enough to force them the first season after importing; the plants are not graded into sizes and many sent are too small to make suitable plants the first season after importing.

It is our custom to take only the stronger plants and the others are wintered over, as cheaply as possible in cold frames or houses, to be grown in pots the following summer, which treatment greatly benefits them. Crimson Rambler, if carefully handled, will make fine plants the first season from the open ground, but the other varieties will bloom more freely if grown in pots one season. The cost of wintering imported plants in frames is about $50 per 1000, and the cost of growing them through the summer about $50 per 1000 additional, but the improvement in the character of the plants fully justifies the expense, for Easter purposes. Air should be given during the winter whenever the weather is mild enough, and every precaution taken to prevent the tops from growing as long as possible; after the young roots have started they should not be allowed to freeze, as they are thus easily killed; the pots should stand on a dry bottom and be packed in leaves, sawdust, ashes or other suitable material.

The Crimson Rambler has been for many years a very popular Easter plant, but its popularity is waning; it will still be grown, but in smaller quantities than formerly, but fortunately there are a number of climbers that may be grown profitably, and which have the charm of novelty. Among the very best are Lady Gay, Dorothy Perkins, Tausendschon and Hiawatha; the last named is especially charming; although the bloom looks frail, it is a fine keeper, and I look for it to increase in popularity. The new variety, Newport Fairy, will undoubtedly be largely grown when its merits become known. Another very fine one is M. H. Walsh's Juniata, and no doubt there are other hybrids in the Wichuraiana section which I have not had the opportunity of seeing.

FORCING CULTURE.

The culture of pot roses for Easter is very simple, but there are certain rules, as to temperature, airing, and the prevention or destruction of insects, which must be faithfully followed. The soil should be a clay loam enriched with well decomposed stable manure, and I like to add a liberal sprinkling of bone dust and fine sheep manure; the latter gives the foliage a rich dark color. The plants should be carefully and very firmly potted, using a potting stick to pack the soil about the roots. It is well to shade the house either with slats or by whitewashing the glass with whiting and coal oil, and sprinkle frequently with water to keep the wood plump until the young roots start; they should never be allowed to shrivel. Keep the plants for five or six weeks in a night temperature of 40° to 45°; the plants should by this time be well rooted and the temperature may be gradually increased, if necessary, to 60° or 65° at night. When we have a late Easter, as this year, it may be at no time necessary to exceed 60°; the lower the temperature at which they can be flowered in time, the better.

Crimson Rambler and Wichuraiana roses may be trained in various shapes, globular, oval, or in the form of fans, etc., or they may be cut back to about one foot from the pots and grown without any staking. In these severely cut back plants the clusters of flowers will be larger than where more of the wood is retained and the lighter branches allowed to bloom. Use tobacco stems between the pots, to keep down insects, cleaning out and removing about once a month. Give always plenty of air if weather permits; if this is regularly attended to, mildew is not likely to appear, and when the buds are set an occasional watering, say once in two weeks, with manure water is beneficial. Soot water is also excellent to improve the foliage and color of blooms and serves also to destroy worms.

To recapitulate, I should say the principal points to be observed are: Lift carefully, pot promptly and firmly, start at low temperature, always as much air as possible, use tobacco stems between the pots which should have some space between them from the very start.

Proper Size of Commerical Rose Houses.

BY W. H. ELLIOTT, BRIGHTON, MASS.

What is the proper size of a greenhouse to grow roses for commercial purposes? This is the question assigned to me. What I think is really wanted in this case is to know how large one really thinks a greenhouse should be built. My answer will be more on this line: First, I wish to apologize for coming as an eastern man to Chicago to answer a question of this kind, for, if there is anyone who knows how large greenhouses should be, it is the Chicago man. I can, however, give you an answer in very few words. A greenhouse, for commercial purposes, should be as large as a man has money to build. That is, whatever money he is going to in-

AMERICAN ROSE SOCIETY.

Roehrs' Newport Fairy.

GROUP OF OMAHA FLORISTS AT HESS & SWOBODA'S PLACE.

vest in commercial houses might best be put in one house. I would not hesitate to put 150,000 feet under one roof. In fact, one could build a greenhouse to good advantage as long as it can be heated from one central station. One can heat 1,000 feet each way with a gravity system, provided you had fall of 10 feet from the radiating pipes to the water line of the boiler. With a vacuum system I presume they might be carried a great deal further. Just how much I could not say, as I have not used that system.

RIDGE AND FURROW VS. SINGLE ROOF.

The continuous ridge and furrow houses need only be limited by the money to be laid out as the heat could be carried 1,000 feet each way. Much can be said in answer to the question of the advantages of the ridge and furrow houses as compared with the wide single roof. I shall speak in favor of the wide single roof, although I must admit that the well constructed ridge and furrow ranges around Chicago are as fine houses as I would expect to see anywhere and I expect a strong argument in favor of that style from those using them. What influences me most in favor of the single roof is the snow. A roof that will clear itself of snow in midwinter, at a time when the days are short, and prices high, is certainly to be desired. Another advantage to the single house is that it is easier to fill and empty; also that high houses are less expensive to heat. The variation of heat in the day time is not so great. They should be easier ventilated and handled. Larger amount of air space inside the greenhouse has proved to be an advantage rather than the disadvantage most growers supposed it would be. E. Holmes, in his address on "Rose Culture" before the Gardeners' and Florists' Club of Boston, stated as his opinion, that 40 per cent of the improvement in rose growing in the past 20 years was due to the up-to-date greenhouse, and I think he was right. It is one of the facts that we must accept that better stock can be grown in a large greenhouse than in a small one.

WIDTH.

In regard to the width: It is hard to predict how wide greenhouses will be built in the next 25 years. Of course, with the ridge and furrow plan, the width is really unlimited as the ventilation is taken care of as you go along; but how wide do you suppose greenhouses will be built and depend upon a single run of ventilators to ventilate them? We have already seen them built up to 150 feet in width. Unfortunately, this wide house was not well constructed and is not considered a success, but it is really not the width. It is the question of construction. If a house was thoroughly and properly constructed could a house of this size be handled to advantage? I have not seen this wide house during the winter season, and have no idea how the stock is growing. I looked this house over thoroughly at the time of the convention last summer. It seemed to be considered an impracticable house, but the only reason given was its construction.

The question really is, if the house was strong and securely built would a house of that kind grow good stock? I would say that in that house at the time I saw it, was growing as nice a lot of American Beauty as I could find anywhere. If the house will grow the stock, then that is really the vital question. The next question is, can a house of that size be constructed and run as cheaply as a narrower house? There are a good many questions there that would need more knowledge and experience than I have had to answer. I cannot recommend the construction of houses of any such remarkable width. Sixty feet wide, with a pitch of six inches to the foot, I find to be thoroughly satisfactory. I would not hesitate very much to increase that width considerably, but, as soon as I increase that width, I must splice my bars, which I have not done on any of my large houses. Ventilation seems to be good. The air in these large, high houses always seems better than in the small ones. I do not quite understand why we need to ventilate greenhouses except to reduce the heat.

THE QUESTION OF AIR.

Should the air in a greenhouse keep pure and good without being renewed? If not, what is it that spoils it, and should it not be much more serious in houses with much less air space? I think it only fair that I should state what seems to be the most serious drawbacks in the construction of these large houses. In the first place, the unequal expansion of ridge, purlins, plates and sills. It is also a long distance to drive around them with a cartload of soil: leakage is increased if roofs are not kept in the best of repair. There is also great danger from the wind, in houses of this size. The movement of so large a body of air as is contained in these houses strains the glass much more from the inside than in the smaller houses. They need to be built strong and glazed thoroughly. I have made up my mind to double nail the glass at the end of these houses.

COST OF ERECTION.

Horticultural builders charge more to cover the same ground with houses of this kind than they do with a number of smaller houses. They are right in this, for they need stronger and more thorough construction. I do not like the iron frame with heavy rafters for this construction. We must guard carefully against the enlarging of our houses without properly strengthening all parts. My first large houses were weak in the outside walls. Thorough and permanent construction is what is needed, for many reasons—not alone on account of wind and weather, but because this business has grown to be permanent and important enough to have a place of its own and not built up with the idea that it

will some day be torn down and the land used for building purposes. A man building a factory does not have any such idea and our establishment should be just as permanent, or more so, than any factory. A proper location should be selected with great care; then get the best to do with and build so thoroughly that the place can be inherited by your children and grandchildren. The fact that the growing of cut roses as a business was born inside of the last 50 years is no reason to suppose it will die out inside of the same time. While I am wandering away from the question, allow me to impress on you the importance of taking the best of care of your house when built, especially in regard to painting.

Notes.

Grace Hammond, daughter of Secretary Benjamin Hammond, is a successful practicing dentist at Fishkill, N. Y.

Judges Emil Buettner and John Dunlop were ably assisted by Peter Crowe and Alex. Montgomery, Jr.

W. A. Manda was speaking of a green sport of Rosa Wichuraiana he has, the flowers a pure pea green.

Geo. A. Maynadier had many interesting things to say about soil besides those mentioned in his paper.

The eastern growers made a grand showing, notwithstanding the long journey.

The absence of White Killarney was much commented upon early in the day.

Safrano was well shown by Wm. H. Elliott and attracted much attention.

Liberal premiums should be offered for decorative work at these shows.

Roehrs' Newport Fairy was one of the gems of the show.

Philadelphia is on hand with the lion's share of visitors.

Elliott's vase of Killarney was simply superb.

The fair models proved a great attraction.

Killarney appears to be the favorite.

National Association of Gardeners.

A very interesting event, March 19-20, was the meeting and fourth convention of the National Association of Gardeners held at Allairi's hall, New York. Five states were represented, one in the middle west (Wisconsin), Charles Elliott, of Lake Geneva, having been the one selected by the Wisconsin members to represent them. Three meetings were held on Thursday, one at 1 p. m. for the benefit of those who were obliged to leave for their homes. This meeting was conducted by Carl Shaeffer, superintendent of R. Mortimer's extensive country home at Tuxedo Park, N. Y.

Mr. Shaeffer had many words of encouragement and advice to the younger members of the profession and from his vast experience and long service as a private gardener and superintendent no one is better fitted to advise.

At 5 p. m. P. O'Mara made one of his characteristic interesting talks. He said in part: "I personally always feel at home when I am with gardeners. When a boy my work in the greenhouse brought me into constant contact with them. In 1883 I made my first trip among the gardeners of the east. The first place I visited was Inwoods, N. Y. I shall never forget my reception. The pleasant remembrances of my first trip remain indelibly stamped on my mind. I am thoroughly in sympathy with the National Association of Gardeners. I believe it is working along the right lines and bound to succeed.

"I remember another effort to establish a national association of gardeners which was started on a more intricate and a largely more expensive scale, which provided for the payment of a national secretary, with permanent headquarters, the establishing of a library in New York and many other cumbersome features, so cumbersome that the asosciation fell of its own weight. As I said, the policy outlined by the National Association of Gardeners with an organ circulating among the members and voicing their sentiments with an administration economically administered, should be supported by all gardeners and commercial growers of all classes and no doubt will be.

"Horticulture is an ideal vocation and when the spirit of trade creeps into associations and other bodies the real object of such bodies becomes to a certain extent imbued with that spirit and for that reason, as I have already stated, it is my firm conviction that nearly every branch of horticulture, if not all branches of it, must look to the private gardener and the employers of the private gardeners for all that is highest along horticultural lines. Many men in the trade love horticulture for itself and would probably have chosen that calling because of its closeness to nature and their love of the same notwithstanding the fact that their financial success might and no doubt would have been greater in other fields; still the spirit of selfishness is bound to creep in to such a degree that it is liable to hinder the progress and on the other hand an association must be conducted along business lines to some degree or it will cease to exist." Mr. O'Mara spoke for nearly 30 minutes and those that did not hear him certainly missed a rare treat.

THE DINNER.

At 8:30 p. m. the dinner was served. Every one was in good spirits; in fact, the writer remembers no dinner where a more friendly feeling existed. Among the visitors, those present were: Prof. Geo. T. Powell, P. O'Mara, G. W. C. Tuthill, Geo. Tunnigon, W. L. Rementer, Fred Atkins, Harry Bunyard and others. Although many of the gardeners were obliged to leave before the dinner all seats at the table were filled but three.

At the close of the dinner Prof. Powell made the principal address of the evening, his subject being the planting and handling of the orchard. There was so much that is new and instinctive that to attempt to touch on it even lightly in this report would not convey anywhere near the true worth of the lecture. His way of producing healthy and strong growing trees from those which when grown upon common roots are weak and unsatisfactory should have been heard by every propagator in the land; in fact, his lecture along fruit growing lines was a revelation to many if not all of those who were fortunate enough to be there.

Mr. O'Mara spoke in his happiest vein, in which he said a good word for the association and its officers in language all his own and to the point. His address of less than 15 minutes was full of wit and at the same time full of food for thought and many of his hints will no doubt be embodied in the by-laws of the association. The next speaker was Harry Bunyard, and we will quote the expression of one of the listeners, a man of broad business experience whose opinion was probably the opinion of every one present. He said "I never saw that man before, but every word he says has the right ring." His talk was from the standpoint of a gardener who comes from a family of gardeners and understands them. His short talk certainly must have impressed every one with the love he had for his calling.

AWARDS.

The prize for greenhouse plants was awarded to Prof. Osborn, of Garrison, James Bell, gardener. This was a gold and silver loving cup offered by the Pierson U. Bar Co. Mr. Bell exhibited a dendrobium about one foot in diameter which had 78 flowers thereon. W. H. Macy, of Harrison, N. Y., John Shore gardener, was awarded second prize.

The competition in carnations was very close, Prof. Osborn showing 11 kinds and W. W. Heroy, B. Wynne, gardener, showing the same. After four hours' consideration in the afternoon and after the opinions of a great many experts they were finally awarded equal first prize, which is a silver loving cup, offered by

AMERICAN ROSE SOCIETY.

Elliott's Vase of Richmond at the Chicago Show.

Peter Henderson & Co. The second prize went to Oscar Carlson, of Fairfield, Conn.

In the class for carnation seedlings there were two entries from Oscar Carlson, of Fairfield, Conn., and P. Sorenson, gardener, to Chas. Stewart Smith, of Stamford, Conn. After due consideration first prize was given to Mr. Carlson, the great deciding point being the color of his seedling, a beautiful deep crimson. The principal one exhibited by Mr. Sorenson was a beautifully variegated seedling for which he was awarded second prize. The first prize in this class is a gold and silver cup, offered by John Shore, president of the association.

The first prize on roses was awarded to Chas. Stewart Smith, J. P. Sorenson, gardener, a silver cup offered by Bobbink & Atkins, Rutherford, N. J.

The first prize on violets was awarded to W. H. Macy, John Shore, gardener, and was a gold and silver cup offered by J. P. Sorenson, a member of the executive committee of the association.

The first prize on hardy bulbs was awarded to Wm. Brandenburg, of North Arlington, N. J., and was a gold and silver cup offered by the Gardeners' Chronicle of America.

A special prize was awarded to C. Shaeffer, superintendent to R. Mortimer, of Tuxedo, and W. W. Heroy, B. Wynne, gardener, for display of stocks, Mr. Heroy having two varieties and Mr. Mortimer one.

In addition to the above, special first prize was awarded James Bell for the following carnations: Rose Pink Enchantress, Victory and White Perfection.

On Friday the business meeting was held, in which a general discussion took place under the head of "The Good of the Order," and the by-laws were unanimously amended regarding asociate members, which class of members consist of those in the trades, reducing the annual dues from $10 per year to $2 per year, this being the same dues paid by active members.

AT THE ST. LOUIS SHOW, MARCH 11.

Cement Benches.

I notice in the last issue of the AMERICAN FLORIST Louis Wittbold's article regarding concrete bench construction. While it is possible that he is correct as to the matter of expense, there are other items which must be taken fully into consideration before adopting permanent or one piece construction.

For large growers who are located in the country, with ample room and with others where there is no probability of them moving their plant, his version of this important feature may be correct, but, as such growers are decidely in the minority, and many are located under the eaves of a growing city, which sooner or later will be forced outside to such, the portable bench system would certainly be the most practicable.

It is not necessary for the bottoms to be very thick. Ours are one and one-quarter inch, except at the edges, where the re-inforcing one-fourth-inch rod is installed. The side pieces, which extend above the bottom, are also one and one-fourth inches thick. As to the matter of expense, I am not able, at present, to give definite figures, but as near as can be estimated, it will cost in the neighborhood of eight to ten cents per square foot of bench, which includes material and labor completed. The matter of expense in such construction always depends upon the cost of the material and labor and there are times when it would considerably exceed the estimated figures given.

The concrete benches have surely come to stay, and when once installed no one would go back to the old board system. Always clean, in perfect alignment, and ready for use without repairs. One of the most important features in making such constructions is that the cement and other materials are thoroughly mixed.

We have had such benches in use for four years and grown roses, carnations, chrysanthemums and various other stock. In every case the plants thrive as well as they do upon boards. To my knowledge there is nothing in the cement that would be injurious to plants, as the important constituents are clay and marl, both of which are forms of soil.

ELMER D. SMITH.

Concrete Bench Construction.

Theoretically the gentlemen who so ardently advocate concrete bench construction may be right, but how about this construction in its practical application and in the modern commercial establishment?

The average grower is in a muddled whirl of indecision after reading the different articles regarding sectional benches, continuous benches, etc., and even after deciding which of the two methods of construction is to be preferred he then does not know whether this construction will not be injurious to the stock that he grows. He does not know whether cement will not be too cool, whether perfect drainage can be obtained or whether the construction will not, after two or three years' use, crumble or give way and cause him all manner of inconvenience and expense in reconstruction.

I, for one, should like to hear from some one who has installed cement benches for more than one season, and I should like to view a few of these benches after they have been in use for two or three years. I should also like to know whether it is more practical to build benches that can be taken apart and moved from one place to another or whether it is better to build a continuous bench similar to the wooden benches we now use. If you will submit these questions to the enthusiastic writers on these subjects and have them answered, I think the mind of the average grower will be relieved and this method of construction will receive greater attention in the minds of the growers.

J. C. AHRENSFELD.

The gentleman who has taken the trouble to attack concrete bench construction should have first looked into the merits of modern cement construction as adopted in other lines of trade, and he would not have asked some of the questions he did. However, it is with pleasure I attempt to clear up his muddled brain. He attacks the practicability of cement benches, but does not say why they are impractical. I cannot answer this, but I can give him a few practical reasons why the modern grower will build nothing but concrete benches in the future:

First—Concrete benches are cheaper to build than wood. At the present price of lumber and labor wooden benches cost nearly eight cents per square foot, whereas a concrete bench built just like the wood bench, that is in one solid piece will not cost over six cents per square foot. This price includes posts and all materials.

Second—A cement bench will last a life time, whereas a wooden bench must be renewed every three years.

Third—Concrete is and has been used for a good many years in places that have been subject to greater corroding influences than is found in a greenhouse, and it has withstood the test, hence there is absolutely no argument that the benches will crumble or give way.

Fourth—Concrete benches are not only practical but they have every advantage that the wooden bench has and have none of its disadvantages. This claim is not a theory but is a fact.

Now, regarding the question of portable benches and stationary or continuous benches. The only advantage claimed for portable benches is that if you decided to change your houses or move them or sell out you could with very little trouble take down the benches and rebuild them somewhere else. Now we all know that this future is not important for if it was why should we not construct wood benches in sections as they cost more than cement; then again suppose you wanted to change your benches, make them wider or narrower, could you use all parts of the old bench? No, you could not, but would have to make new bottom boards the right width or practically reconstruct your bench. Then, again, think how many times have you had occasion to move your benches and I will venture to say it has been so seldom that you have forgotten when, and then if you can think of the time you rearranged your bench space you can remember that you either made the new benches wider or narrower, and, hence, could not utilize the parts of your old bench, provided you had it in concrete construction.

This possible advantage is more than offset by the fact that the cost of construction of the portable bench is at least one-half again as great as in the one piece, continuous bench construction as more materials must be used both in cement and reinforcing material, and also the time in making the separate pieces will be greater. I have carefully considered the cost in both methods of construction and will venture to state that the portable bench cannot be built for less than ten cents per square foot, while the continuous bench can be put up, including all costs, for six cents per square foot.

The claims I make for benches in one piece are that they can be built much cheaper and are much stronger, as the cement does not need to be handled over and over again and can be spread on a large mould much quicker than in small moulds saving labor, and it takes less material, as no beams or carriers are necessary or expense of reinforcing material. Study this carefully and you will find that if you make the sections light, you cannot make them strong without expensive reinforcing material, and if you make them heavy they look clumsy and take too much material.

Regarding the concrete construction being too cool, would state that as cement is more of a conductor of heat than wood there is no basis for this question at all. We have had concrete benches in our place for the past three seasons, and I fully believe that they are better today, as far as strength is concerned, than they were when first built. The benches in our place are light, being only 1-inch bottom and 1-inch sides and 4-inch posts; they are clean cut, and one seeing them would mistake them for new wooden benches unless he tried to whittle them. The fact that we have practically our entire range in these benches should be evidence enough that they are giving satisfaction.

I have tried to answer in a conservative manner the rather misty questions of gentlemen who attack concrete construction, and am ready and willing to defend with facts and figures the one piece continuous concrete bench as adopted at our establishment. Let others who are interested in this important subject write and ask any question, and I will try and answer them.

LOUIS WITTBOLD.

To Be Done Now.

IN THE GREENHOUSES.

Lilies may be held back by placing in a cool shed where there is no dust.

Lower the temperature gradually for newly struck stock. Sudden changes are very undesirable.

Keep young fuchsias, heliotropes and similar stock moving and never allow them to get hard in the pots.

Prick out seedling asters in quite a cool house, on firm soil, and see that green fly or thrips does not attack them.

Avoid heavy shading on any stock, but watch tender young growth when there are bright bursts of sun.

When potting pelargoniums the last time use a few roughly broken bones over the drainage hole.

Look out for the stock plants of poinsettias. A few placed in a warm, moist house now will soon produce plenty of cuttings.

Watch stock coleuses now—they are often infested with mealy bug—and clean them if necessary.

Pot up the earlier started caladiums and cannas and give them a slight bottom heat to start with.

IN THE STORE.

Enchantress carnations and Marie Louise violets formed a beautiful combination in a wreath recently noted.

The yellow antirrhinums now coming in freely are lasting and beautiful flowers, fine for almost every purpose.

Rose Cardinal is an excellent variety that is bound to prove very popular in good class stores.

Orchids require perhaps more careful arranging than any other flowers, but they are very beautiful when properly handled.

Always keep a good stock of picks and wires ready in case of hurry up orders.

English ivy leaves and snowdrops make very attractive little bouquets or are good for wreaths.

OUTDOORS.

When stopping wounds in trees, either by painting or with cement, see that both air and moisture are entirely excluded.

For planting in exposed positions, there are few shrubs to beat the tamarisk, its feathery shoots being always attractive. It likes a sandy soil.

Get all dead wood taken out of newly planted and other shrubs without further delay.

The junipers are among the best conifers for planting in bleak situations, for wind-breaks and to hide anything unsightly.

The early cauliflower must have rich soil, so prepare the border with special care.

If any asparagus beds are to be made from plants get them ready and planted as early as the weather will permit.

Much damage is frequently done to healthy trees by dipping the roots in oily emulsions and insecticides.

It pays to take a little time preparing tree roots before planting. Cut away all jagged and torn roots, using a sharp knife and cutting in an upward direction.

Twenty Years Ago.

MARCH, 1888.

Steam pipes overhead were becoming popular.

Phlox Drummondi, Star of Quedlinburg was among the novelties.

Too much ribbon in flower baskets and designs was decried by correspondents of the AMERICAN FLORIST.

Waterproofed hotbed cloth was used to some extent in lieu of sash.

The New Bedford, Mass., Gardeners' and Florists' Club was organized.

The disease of Lilium candidum was becoming prevalent.

That fine fuchsia, Frau Emma Topfer, was among the novelties.

Much damage was done to the roofs of greenhouses owing to heavy snow falls.

The annual statices were getting a good deal of attention.

Rose Souvenir of Wootton, raised by John Cook, of Baltimore, was being tried out.

Florists' patrons were warned against "Cologned" violets.

AT THE ST. LOUIS SHOW MARCH 11.

Lilies for Cutting.

We have been cutting Lilium Harrisii since January 24, strong, healthy stems from 42 to 48 inches in length bearing from six to eight flowers each, the individual flowers large and of fine substance. Out of a batch of 200 bulbs there was not a single failure or diseased bulb. These were potted the second week in August. Our method is to use 4-inch pots, place them under the benches and cover with four inches of leaf mould. Here they were kept until the growth was three inches above the leaf mould when they were placed on the benches. As soon as the pots were filled with roots they were repotted into 6-inch pots in a rich compost of decayed sod, leaf mould and a little bone meal. Great care is necessary in watering. A man that knows how can water as well with a hose as a watering can, but good waterers are scarce.

LILIUM LANCIFOLIUM.

Lilium lancifolium and its varieties, album, rubrum and roseum, are among the best subjects for winter flowering and cold storage bulbs should be used. These should be in their pots by July 1 as the longer they are kept in cold storage after this the less root they make. Four or five-inch pots are most suitable according to the size of the bulbs and repotting will not be necessary for these. After potting place under a bench or in a cold frame and cover with some light material, treating them similarly to L. Harrisii. By careful handling and judicious watering they will be good plants by November in a temperature of 55° at night. Select the strongest plants and place them in a temperature of 65° to 70° at night and these will produce fine stems three to four feet long with from six to ten blooms for cutting at Christmas.

A. J. S.

Quest of the Yellow Sweet Pea.

Of all the phases of the sweet pea cult the quest of the yellow sweet pea is perhaps the most fascinating, and certainly the most elusive. There is no doubt that the pure yellow sweet pea (when it comes) will bring a golden harvest for the raiser, but at present the game is anybody's, and there are many enthusiasts who are working assiduously to obtain it.

But as the sweet pea is so sportive in character, and so many notable varieties are certainly sports, the yellow sweet pea may perhaps turn up in an unexpected and unconventional manner, to gladden the heart of some plodding florist who may have never considered the likelihood of such a prize falling to his share.

It was not really long ago that we were praising the Hon. Mrs. E. Kenyon as being the variety which seemed to point the way toward the yellow sweet pea; last season Mrs. Collier was the prime favorite in this shade, and now Eckford's primrose-hued James Grieve provides us with the nearest approach to yellow. It is real progress, certainly, for there is a great difference between the first-named and the last varieties, but for all this we are still a good way off the pure yellow variety.

It may, however, be quite possible for the new cream-colored and primrose forms of Countess Spencer to break again into sports of a decided yellow hue, for the possibilities of the Spencer group are so well known that no one would be surprised if further advances came from such a source. On the other hand, a series of crosses between these creamy Spencer forms and James Grieve would provide an interesting task for an enthusiast, and perhaps furnish a further improved race of seedlings, some of which might be reasonably expected to surpass their parents.

Selection of existing varieties also affords a means of advance for in the majority of the sweet peas, however perfectly fixed, forms may be met with, that are larger in size and richer in coloring than the majority of their fellows, and if these are isolated and the resulting seed saved, a moderate amount of success may be reasonably expected, especially if these finer forms have been carefully hand fertilized.

Although one would advise the intercrossing of primrose with primrose, or primrose with cream, yet there is a possibility of the yellow sweet pea coming from another source, namely, from those buff, salmon, and apricot shadings which are to be met with in some varieties. These shadings are often the offspring of yellow flowers, and there is just the possibility that the yellow is lying dormant under one or other of these hues. A series of crosses with white and cream-colored varieties would probably settle the question, using these same salmon, apricot, and buff shades both as pollen parents and as seed bearers.

In conclusion, we can but rejoice that the cult of the sweet pea has become so popular, for besides providing a feast of interest, and a wealth of new colorings which are appreciated by all, it gives a big lift to the horticultural trades in general, and provides attractive exhibits for the summer shows.—Gardeners' Magazine.

The Late J. M. Gasser.

See obituary in last week's issue.

Hail.

The worst hail storm for many years broke over Richmond, Ind., March 18. Globules of ice, the size of walnuts, shattering glass, are reported, Fulle Bros. having suffered great loss. Outside, fruit trees and vines are riddled of their buds, but fortunately, as frost followed the storm, no great damage to fruit crops are anticipated.

Glass.

Prices of glass hold about as published last week, but there are indications of a sharp advance in the very near future. Glass jobbers say their product is now sold on too close a margin for profit and that intending buyers should close their orders at once to benefit from the present low prices.

OBITUARY.

The Late J. M. Gasser.

The death of J. M. Gasser, of Cleveland, O., which we announced last week, was due to valvular heart disease, from which deceased had suffered for several months. He was buried at Lake View cemetery and the floral offerings at the funeral were very numerous and beautiful coming from a large circle of friends and business associates of Cleveland and other cities.

Wm. Heath Spooner.

Wm. Heath Spooner, one of the oldest and most respected residents of Jamaica Plain, Mass., died March 21 in the Emerson hospital, Forest Hills, in his seventy-fifth year. A week previous he had been taken ill with an intestinal trouble which necessitated a surgical operation. He was conveyed to the hospital and the operation was performed, but Mr. Spooner failed to come out of the ether. He leaves a wife and one daughter, Mrs. Benj. Bettee, Jr., Concord, Mass.

Mr. Spooner was born in Jamaica Plains, April 2, 1823, and with the exception of three years in New York, had lived there all his life. He was the son of Heath Spooner and Harriett Curtis Spooner. His mother belonged to an old revolutionary family. All his life he was an ardent horticulturalist, his specialty being roses, and he had imported many rare kinds from Italy and France. He was a constant exhibitor at the shows of the Massachusetts Horticultural Society, was one of its oldest members and for two years was its president. Mr. Spooner represented the West Roxbury district in the state legislature in 1884 and 1885.

Professor Austin C. Apgar.

Austin Craig Apgar, of the New Jersey State normal and model schools, vice principal and professor of botany and zoology, died, March 4, at Trenton, N. J. He was born August 4, 1838, at Peapack, Somerset County, N. J. He attended the district school of his neighborhood and then the New Jersey State normal school, from which he was graduated in 1862. After his graduation, he taught four years in district schools and in the Farnum Preparatory school at Beverly. He was then appointed to teach in the New Jersey State normal and model schools, where he has been steadily engaged until the present time.

His most marked characteristics were his selective power, enabling him to choose those forms for study which were not only of greatest interest to his pupils, but served best to open up to them natural history, and his ability to win the love of the pupils for this work. Born at a period when the study of books was the common practice, he turned at once to the fields and to the laboratory method. Nearly all of the specimens used in his work were collected by himself, either alone or assisted by his pupils.

As an author, he had written a number of books that proved of great value. "Plant Analysis," "Mollusks of the Atlantic Coast," "Birds of the United States," and "Trees of the United States," were among his most important publications. When, some years since, the growth of the State normal school had reached a point enabling him to narrow his work to one subject for each season he chose botany. He saw in this subject not only science but the Author of science.

"The meanest floweret of the vale,
The simplest note that swells the gale,
The common sun, the air, the skies,
To him are opening paradise."

He leaves a wife and three children,—a son, Walter, and two daughters, Mrs. Alfred D. Cook and Miss Ada.

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I saw a robin yesterday,
Has spring been sprung?
I saw the boys at marbles play.
Has spring been sprung?
I saw an Easter hat displayed;
I saw a tramp hunt for the shade;
I saw some flower beds newly made.
Has spring been sprung?

I saw a kite go sailing high.
Has spring been sprung?
I saw smoke in the alley nigh.
Has spring been sprung?
I saw some buds upon the trees;
I felt a balm upon the breeze;
Kerchew! Kerchew! O, hear me sneeze!
Yes, spring's been sprung.
—The Commoner.

As showing its confidence in the new rose Tausendschon, Robt. Craig Co., Philadelphia, Pa., is forcing 1,000 plants for Easter sales.

THE establishment referred to in our issue of March 21, page 394, as that of Moore, Hentz & Nash, is the property of Henry Hentz, Jr., Madison, N. J., and has no connection with the former firm, which does a wholesale commission business exclusively and owns no greenhouses anywhere.

THE collector of customs at Buffalo, N. Y., has been authorized to take the usual steps to refund the excess duties exacted from the American Express Co. in the recent case referring to the importation of rose cuttings, the attorney-general having decided to take no further steps in the matter.

ALFRED DIMMOCK, now London agent of the Yokohama Nursery Co., and well known to the American trade, in a recent letter states that the English growers are making great progress in indoor carnation culture and that the market growers around the English metropolis grow them remarkably well in pots.

THE question of the style of house most suitable for rose growing, and the class of bench or bed best adapted to this important crop, is a live one and one that will bear ventilating freely. We hope that all who have formed their ideas on this point from observation of the behavior of roses under varying conditions will favor us with their views, as such cannot fail to be of service, both to growers of roses and greenhouse builders.

THE AMERICAN CIVIC ASSOCIATION is continuing its good work. It is vigorously attacking the bill board nuisance by sending out press clipping sheets illustrating the situation, and combating the vandalism going on at Niagara Falls. "How to Lay out a City," is a reprint of a lettter by Miss Annette McCrea sent in reply to an inquiry from Alabama sent in the course of the association's business. It is interesting and well worth perusal.

CONSUL W. P. ATWELL advises that the centennial exposition of the "Societe Royale d'Agriculture et de Botanique," of Ghent, Belgium, will be held in the gardens of the Casino from April 23 to May 3, 1908. This exposition is international and devoted exclusively to plants, flowers, seeds, and in general to everything pertaining to the horticultural trade. It is held regularly every four years, and the coming one being the centennial, the display promises to be very interesting.

Florists' Hail Association.

Hail losses recently reported are R. S. Murray, Bellefontaine, O.; H. D. Schilling, Indianapolis, Ind., and Jos. R. Goldman, Middletown, O.

JOHN G. ESLER, Sec'y.

The Fickle Midge.

ED. AMERICAN FLORIST:—

I am troubled with the sciara or fickle midge, both the large and the small varieties. I have made innumerable tests with tobacco extracts, dust, smoke, etc., emulsions, insect powder, lemon and fir-tree oils and cyanide gas, but no result. They work in ferns, begonias and salvias especially, but in almost anything. Can you give me a remedy to destroy them?

Ohio. H. H.

This sounds a formidable array. We should certainly recommend nicotine extract. The Department of Agriculture Circular No. 80 advises the use of extract at the rate of five or six teaspoonfuls to one and one-half pints of water being vaporized in a house containing 5,000 cubic feet. Many methods of fumigation are given in this circular and the use of hydrocyanic acid gas is given in circular No. 37. These circulars would doubtless prove of value. "H. H." does not state whether he used kerosene emulsion or not. Kerosene-soap emulsion, applied according to the directions given in the same circular, should also be found beneficial. Pyrethrum or buhach insect powder is efficient for such purposes but is somewhat too expensive. Lemon and fir-tree oils are proprietary articles and we do not advise these as a general rule, since they are inferior to the standard preparations of known value, of which we know the component parts and which can be obtained at a much more reasonable price. Hydrocyanic-acid gas, applied at the proper time, would be effective in killing the flies, but would practically have no effect on the larvæ or maggots, which feed at the roots of the plants. The fickle midge has been a pest for quite a number of years over a considerable extent of territory and many complaints have been received, but, thus far, few persons who have experimented with remedies have reported success with them. This, however, is not surprising, as we are much more apt to receive reports of failure than of success, even when we know that the remedies advised are satisfactory if the proper methods are carefully pursued.

There can be little doubt that the insects are frequently brought into greenhouses with barnyard manure. It is, therefore, advisable to substitute mineral fertilizers and, where desirable, to thoroughly sterilize the soil, either with heat or steam. A correspondent of the Bureau of Entomology states that, after an experience of two years of trouble with this pest, he had not been bothered with it afterward, and attributed immunity to greenhouse plants to his practice of not putting manure in the houses that were made during the time when the midges were flying actively. He has also furnished testimony to the value of nicotine preparations in the destruction of larvæ or maggots. Some other correspondents have reported similar success with the use of these preparations. Undoubtedly several fumigations with nicotine extracts will be found necessary to entirely eradicate the pest from the houses which it infests. C.

Meetings Next Week.

Chicago, April 2, 8 p. m.—Chicago Florists' Club, Union restaurant, 111 Randolph street.

Dayton, O., April 2.—Dayton Florists' Club, 37 E. Fifth street.

Detroit, Mich., April 1, 8 p. m.—Detroit Florists' Club, 38 Broadway.

Lake Geneva, Wis., April 4, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, News building.

Milwaukee, Wis., April 2, 8 p. m.—Milwaukee Florists' Club, Quiet House, corner Broadway and Mason streets.

Minneapolis, Minn., April 3, 8 p. m.—Minneapolis Florists' Club, Latham's conservatory, 83 South Tenth street.

New Orleans, La., April 1, 8 p. m.—German Gardeners' Club, 624 Common street.

Newport, R. I., April 1, 8 p. m.—Newport Horticultural Society.

Pasadena, Calif., April 2-4, 8 p. m.—Pasadena Gardeners' Association, spring exhibition.

San Francisco, Calif., April 4.—Pacific Coast Horticultural Society.

Utica, N. Y., April 2, 8 p. m.—Utica Florists' Club, Hotel Martin.

You see fair maid we marry
A gentler scion to the wildest stock;
And make conceive a bark of baser kind
By bud of nobler race; this is an art
Which does mend nature,—change it rather; but
The art itself is nature.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Every paid subscriber to the AMERICAN FLORIST for the year 1908 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—Competent rose and carnation grower; first-class references; married. Key 493, care American Florist.

Situation Wanted—By a competent man in every detail taking charge of place; capable of handling men, etc. Key 496, care American Florist.

Situation Wanted—By a first-class grower of roses; married, 10 years' experience; state wages and particulars in first letter. Key 489, care American Florist.

Situation Wanted—German, single, two years' experience in general greenhouse work in America, wants position. Address Key 487, care American Florist.

Situation Wanted—Where I can work for my board and learn the florist business; had one year's experience in general greenhouse work. Key 482 care American Florist.

Situation Wanted—As gardener on private place with glass; age 31, single, German; 17 years experience in general greenhouse work and landscape. Key 483, care American Florist.

Situation Wanted—As working foreman, 16 years' exprience in fruit, roses carnations, mums and all bedding plants, etc. Private or commercial; one in family. Box 45, Oceanic, N. J.

Situation Wanted—By practical florist; single strictly sober; 12 years' experience as grower, decorater and designer; Chicago; retail place preferred; state wages. Key 468, care American Florist.

Situation Wanted—As foreman grower on wholesale or retail place; best experience and references; strictly temperate; married; eastern states preferred. Address Key 478, care American Florist.

Situation Wanted—As working foreman, first-class grower of roses, carnations, palms and ferns, bedding plants and bulbs; A1 landscape gardener, 35 years' experience; please state wages. Key 486, care American Florist.

Situation Wanted—As gardener on private place or public institution; thoroughly competent in all branches under glass and outside; am 32 years of age and single, and am desirous of a permanent position. Address Key 495, care American Florist.

Situation Wanted—By a young married man as foreman and grower of carnations, 'mums, violets and general stock; 8 years' experience, best of references; will be at liberty June 1st. New York, Penna., or Md. preferred. Address Key 466, care American Florist.

Situation Wanted—By a young man of 23 years of age on a private place or commercial greenhouses; 3 years' experience in greenhouse, lifetime in vegetables; have some knowledge of planting trees, shrubs, perennials and flower beds Key 492, care American Florist.

Situation Wanted—As superintendent, working foreman or gardener; private place, commercial, cemetery or hotel grounds; A1 grower in all lines, landscape and floral; California place wanted; address, stating wages, etc., H. BREEN, Burlingame, San Mateo Co., Calif.

Situation Wanted—By two Hollanders; good, all-around reliable florists; sober and competent; life experience; on commercial or private place; single; each 25 years old; European and American references. Please state full particulars in first letter. Key 494, care American Florist.

Help Wanted—Two good plantsmen; situation open now; good wages; wire us if open to engagement, MEMPHIS FLORAL CO, 145 So. Main St., Memphis, Tenn.

Help Wanted—Good man to run small place himself. Steady position; German preferred. With full particulars address Key 491, care American Florist.

Help Wanted—Good grower of roses and carnations, 'mums and general stock; must be sober industrious and know how to use the hose. W. E. SMITH, 525 N. 5th St., Arkansas City, Kas.

Help Wanted—At once, an industrious, competent married man to take charge of a private place; fruit vegetables and small greenhouse; house and $40 per month. Address DR. EVANS, Hamilton, Va.

Help Wanted—At once, a man capable of potting and bedding out also assisting in retail store when necessary; salary $12 per week; full particulars and copies of references in first letter. JOHN RECK & SON, Bridgeport, Conn.

Help Wanted—Good growers of first-class stock, roses, carnations, 'mums, etc., for retail store; coldest weather this winter 14 above; modern greenhouses; good wages to right party. Address Key 490, care American Florist.

Help Wanted—First man to grow bedding plants bulb stock and chrysanthemums; good potter and planter; steady place good wages for sober, industrious man. CASSIDY & SONS, Calvary Cemetery, Greenpoint Ave., Long Island City, N. Y.

Help Wanted—One or two young men, 16 to 20, who are anxious to learn the florist business in establishment where a general line of pot plants and cut flowers are raised. Employer has had fifteen years' experience in leading Belgian, English, German and American concerns, and will give a young man anxious to learn the full benefit of his experience. Board and room, with small salary. C. E DE WEVER, Clayton, Mo.

Catalogues Wanted—I desire late catalogues from firms handling seeds, bulbs and florists' supplies. W. W. WESTON, Manila, P. I.

For Sale—Greenhouse and cottage with 2 to 5 acres of land in Glen Ellyn, Ill. Good for business and investment. Write the owner, Box 296, Jamestown, Pa.

For Sale—27,000 feet of glass, filled with first-class stock; located in one of Chicago's suburbs; low price. Address MRS. HUBERT HANSEN, 4016 N. Clark St., Chicago.

For Sale—Do you want to go west and coin money in the greenhouse and florist business? Capital required, $3,000; can be cleared every year. IRA B. STURGES, Baker City, Ore.

For Sale—20,000 square feet of glass, well stocked; three acres of ground; six-room house; all modern, in good condition, and a money-making place in best city of Indiana; $4,500 required. Details to parties meaning business. Key 427, care American Florist.

For Sale—Greenhouses and stock; about 20,000 feet of glass, well stocked with all kinds of bedding plants, ferns, palms and cut flowers; for terms inquire of Mrs. Hugo Book, College street, Worcester, Mass., or L. Midgley, Worcester Conservatories, Worcester, Mass.

For Sale—A retail florist business consisting of 4500 feet of glass, well stocked, store building with living rooms above; on 2 lots 44x136 feet located in the heart of a residence city; county seat of 10,000 inhabitants less than 50 miles from Chicago with good surrounding towns. Address Key 434, care American Florist.

For Sale—A retail florist business, 5 greenhouses, about 5000 feet of glass, store, barn, 8 room house, lot 100 feet front, over 200 feet deep, located in fine neighborhood; a good opportunity for two young men who understand the business, with small capital to start; good reason for selling; party must have $5,000, balance to suit purchaser. G. F. THRUN, 8707 Cedar Ave., Cleveland, O.

Wanted—Young woman, with experience, would like to know of location to run a large Easter business. Address Key 485, care American Florist.

Wanted—A first-class florist with own capital to establish a floral business in a town of 7000 inhabitants in western Tennessee. The cut flower trade will amount to $3000. to $4000. per annum. For further information address M. W. EWELL, Secretary Commercial Club, Dyersburg, Tenn.

For Sale at a Bargain.

A large quantity of **4-in. Second-hand Iron Pipe,** as good as new. I will sell this in lots of any size at practically your own price.

A. V. JACKSON, 3267 N. Western Ave., Chicago.

Situation Wanted.

By good, all-around, reliable florist; steady, good worker; temperate; assist at present in roses and carnations; single, 27 years of age; seven years' experience in Europe, three years in U.S.; Eastern States preferred; state wages, etc. **Key 488, care American Florist.**

To Lease or Run on Shares.

The owner of a small nursery and well stocked greenhouse and flower shop now doing business in Northampton; will make a liberal business offer (based on lease or shares) with an enterprising nurseryman and florist of training and experience. Apply to

Home-Culture Clubs. Labor Exchange, Northampton, Mass.

Situation Wanted.

As foreman by a young man with long all around experience; capable of taking full charge; used to growing high-class stock for best wholesale and retail trade; good grower of Beauties, other roses, carnations, pot plants and nursery stock; familiar with greenhouse building, installing of heating plants, etc. Permanent position; good treatment and good wages expected; sober, good worker. American state wages.

Horticulturist, Gen. Del., Fairfield, Conn.

FOR SALE or to LEASE.

Located fifty miles from Boston on the main line of Boston & Albany R. R.; 40 acres of land with house and stable; two rose houses 204x36; plant house 14x36; two steam boilers. Rose houses are at present producing exceptionally fine flowers. This place will be sold for very reasonable figure. Possession given any time after April 1st. Apply to

P. WELCH of Welch Bros.,
226 Devonshire St., BOSTON, MASS.

NOW READY. **1908 EDITION.**

——THE AMERICAN FflorIST——

TRADE DIRECTORY

of the entire **HORTICULTURAL TRADE** of America,

Price, $3.00 Prepaid.

A complete alphabetical list of all American cities with the names and addresses of all commercial horticulturists therein. A separate list, arranged alphabetically, of every commercial horticulturist in this country. A separate list of park superintendents, and all cemeteries. A separate list of all florist's clubs and horticultural societies, with their newly elected officers to date.

Roses Enough for All.

LONG BEAUTIES AND CARNATIONS, TOO.

And remember we grow our own **Lily of the Valley, Mignonette, Tulips, Daffodils,** and all other seasonable flowers. Special low prices on all kinds of stock.

See Superior Quality of Stock For yourselves. Visit Our Greenhouses when you next come to town.

Poehlmann Bros. Co. Office and Salesroom 33-35-37 Randolph St. Long Distance Phone Randolph 35. **Chicago.**

HENRY M. ROBINSON & CO., Wholesale Commission Florists, Hardy Cut Evergreens and Florists' Supplies

BRONZE GALAX, best quality...$8.50 per case, 10,000 **GREEN GALAX,** best quality...$7.50 per case, 10,000
DAGGER AND FANCY FERNS.....$1.50 per 1000

Laurel Festooning, Boxwood, Southern Wild Smilax, Sphagnum and Green Moss, Leucothoe Sprays, etc.

15 Province St. and 9 Chapman Place, BOSTON, MASS.

Massachusetts Horticultural Society.

SPRING EXHIBITION.

The annual spring exhibition of the Massachusetts Horticultural Society was held in Horticultural Hall, March 20-23, and viewed from every standpoint was a notable success. Opening on the first day of spring and welcomed with perfect days the show was unusually well attended by a thoroughly enthusiastic and appreciative concourse of people, professional and amateur cultivators as well as thousands of flower lovers. The hall was a sort of mystic garden, in which flowers and plants were finely displayed and such a collection is rarely seen. An extraordinary array of products of the highest art of cultivation greeted the visitor as he entered the hall. From the ordinary commercial products, the sight of which is common to all, to the most rare and expensive plants seldom seen outside private gardens, were displayed to the delighted throngs.

Among the rare exhibits witnessed was the collection of amaryllises from the private conservatories of Walter Hunnewell, this array being one seldom equalled and a great credit to T. D. Hatfield, the gardener whose superior skill was plainly shown in the marvelous productions exhibited. From the conservatories of Frederick Ayer superb specimens of acacias were displayed, creating no end of admiration and easily among the leading features of the show. The different species, heterophylla, pulchella, Drummondi and longifolia were all in the pink of condition and comprised a wonderful collection. Cyclamens, the equal of which have never been seen in one exhibit, were displayed from several estates. The collection of Dr. C. G. Weld proved an admirable attraction, all colors from the deepest to the most delicate making the best display of this plant ever witnessed locally.

Rare collections of orchids were exhibited by three contestants for honors. Lager & Hurell, the New Jersey specialists, staged an enviable assortment of selected plants and from the private estates of Seth Borden, J. E. Rothwell and Mrs. J. L. Gardner, the most rare and valued of all plants were seen in all their elegance. Continually surrounded by an enthusiastic gathering was the exhibition of rambler roses grown by M. H. Walsh, of Woods Hole. Here were seen to splendid advantage Lady Gay, Arcadia, Delight and Hiawatha, each variety having a host of admirers. From the conservatories of Mrs. J. L. Gardner a most interesting exhibit was Chorezema splendens, which, although not well known, proved a most enviable attraction. Cinerarias, perhaps among the best known of spring flowering plants, were excellently displayed by Wm. Whitman. A specimen fern, Nephrolepis Barrowsi, grown by Mrs. A. W. Blake, was one of the principal features of the exhibition, and proved a marvel to producers of such plants, who looked upon it with envy.

In the display of cut flowers, roses, carnations, sweet peas and antirrhinums were excellent attractions. Sweet peas were shown to great advantage by Wm. Sim, Cliftondale, whose assortment included many varieties of many shades. This exhibit was very interesting, especially to the trade with whom this flower is a staple article. Samuel Goddard overwhelmed his competitors with carnations. A. Roper's new seedling variegated, Bay State, showed in excellent form and its future has easily been proven. Richmond, Killarney, Bride, Bridesmaid, and Safrano roses were staged by able growers whose efforts were loudly commended. With the flowers and plants were added a general display of fruit and vegetables the prizes

Fancy and Dagger FERNS $1.75 per 1000
Discount on large orders.
New Crop Galax, Bronze or Green, $1.25 per 1000; 10,000, $7.50. **Wild Smilax,** 50-lb. case, $6.00.
Sphagnum Moss, large bales.....$1 25
Leucothoe Sprays.....$1.00 per 100; 1000, 7 50
Boxwood.....35¢ per bunch; 50 lbs.. 7,50
Florists in the Middle and Western States can save money by placing their fern orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,
WHOLESALE COMMISSION FLORISTS,
38-40 Broadway, All Phone Connections. DETROIT, MICH.

THE KERVAN COMPANY,
113 West 28th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe, Ferns, Mosses and all Decorative Evergreens.

Sphagnum Moss and Cedar Poles.
Moss, 5 barrel bale, $1 25: 2 bales, $2.25; 5 bales $5.00; 10 bales, $9.50. **Poles,** 2-in. butt, 8 ft. long, $15.00 per 1000; 2½-in. butt, 10 to 12 ft. long, $22.50 per 1000; 1½-in. butt, 5 to 7 ft. long, $10.00 Cash.
H. R. AKERS, Chatsworth, N. J.

H. J. Smith
HARDY CUT FERN DEALER,
Write for prices for what you want.
HINSDALE, MASS.

George Cotsonas & Co.
Wholesale and Retail Dealers in all kinds of
Evergreens.
Fancy and Dagger Ferns, Bronze and Green Galax.
Phone 1202 Mad. Sq.
Main Store, 50 W. 28th St., **NEW YORK.**

E. A. BEAVEN
Southern Wild Smilax,
Log Mosses,
Natural and Perpetuated—at Wholesale,
EVERGREEN, ALABAMA.

John P. Scherer
UNION HILL, NEW JERSEY.
New York Branch: 468 Sixth Ave., bet. 28th and 29th Sts., New York. Telephone 6237 Mad. Sq.
SMILAX, FERNS, PALM LEAVES
and all kinds of **GREEN GOODS.**

BIG CROP OF AMERICAN BEAUTIES NOW ON.

Fancy Carnations in large lots
$2.00 to $3.00 per hundred.

BRIDES and MAIDS from grafted stock.
RICHMOND and KILLARNEY, " "
All especially fine and cheap.

Plenty of Greens and Lilies.

Write for Easter Prices.

Bassett & Washburn,

Greenhouses, Hinsdale, Ill. Store, 76 Wabash Ave., CHICAGO.

for which were all eagerly contested. Two gold medals were awarded for the first time at an exhibition of this kind. R. & J. Farquhar captured one with a vast collection of spring plants which were tastily arranged and a leading feature of the show. To Seth Borden was awarded the other for a magnificent display of orchids which has never been equalled at a like exhibition. The attendance this year was 50 per cent better than the record, the exhibition continuing until Monday night. B.

Boston.

BUSINESS IMPROVING.

A slight improvement in local trade conditions has materially brightened the outlook and encouraged a hope of prosperity for Easter. Market appearances have become more business-like and while marked by light purchasing yet the opening hours are well patronized. No doubt business has tremendously increased in the last few years; it is not confined to a few important houses, for now it is extensively distributed and covers territories that were not to be considered a decade ago. While the usual Lenten abandonment of social pleasures is plainly noticeable there is a fairly good demand for cut flowers and a light call for funeral work. The latter line has weakened perceptibly during the last week, seriously affecting the establishments that rely chiefly upon this line of business. The over-burdened market is being relieved by the gradual falling off of the different crops, the exit of which is this season followed by a feeling of satisfaction for those growers who are in readiness with a new line. Any sort of a standard for bulb stock has been abandoned and boxes of assorted collections are offered for sale at the buyers' prices. Roses have further declined and the growers are carrying large surpluses. Killarney is maintaining its position as the market leader and its sales alone surpass those of all other roses combined. Carnations are the property of street hawkers and interest shopkeepers but little. Single violets have been seriously affected by the periodical warm stretches of the past few weeks and the demand has transferred itself to the more attractive Campbell, of which there is a limited supply of first class stock available. A novel collection of accessories is displayed from the most expensive line of orchids to the cheaper spring productions, including sweet peas, anemones, primroses, marguerites, etc.

NOTES.

Wm. Sim, the foremost cultivator of sweet peas in New England and also well known throughout the country, has had remarkable success this season with his favorite flower. Many new varieties have been experimented with and results therefrom have been most gratifying. With but part of this extensive and model establishment devoted to this line the rest is likewise well known by its famous violets which were the original products. The latest is the already famous Boston violet which has been exhibited this season at all the leading floral shows.

Among the most interesting exhibits at the horticultural exhibition was that of Thomas Roland of Nahant. A worthy display of genistas in superb condition in graceful figures comprised one of the unique and tasty exhibits in the hall, evoking a multitude of remarks commendatory to the ability of this premier cultivator.

At Sydney Hoffman's conservatories in Cambridge a novel collection of Easter plants may be seen in the prime of condition. Chiefly attractive are the collection of rhododendrons in which are included the latest varieties of an exclusive line well supported by a varied assortment of the usual season's favorites.

Edward McMulkin displayed an extensive collection of fancy and staple spring plants at the exhibition in Horticultural Hall. A varied collection of green and flowering plants of unusual interest bore the name of this grower who has continually a window in his store of most pleasing combinations.

H. N. Eaton, who has formerly disposed of his stock through the Park Street Market, is now numbered among the consignors of Welch Bros., who have added to their list one of the largest growers of this vicinity.

R. E. Lassman, the veteran of all market men, who daily attends to his own selling, is now distributing his usual spring novelties, of ixias and anemones, of which he annually carries an exclusive line.

Visitors: Arthur Zirkman, Philadelphia, Pa.; Wm. Dykes, of Ed. Jansen's, New York, Lager, of Lager & Hurrell, Summit, N. J.

B.

NEW YORK.—Daniel J. Mackintosh has leased a store in the building at the southwest corner of Broadway and Forty-fifth street.

BROOKLINE, MASS.—The estate on Dedham street, Newton Center, known as the Wade Farm, consisting of 27 acres of fertile upland, together with dwelling and out-houses, has been purchased by F. E. Palmer, the florist. It is intended to develop this property as a nursery for popular and choice hardy plants, shrubs and trees as rapidly as possible. One large greenhouse, 35x150 feet, with packing room and cellar, is already finished and planted, and another house will be erected as soon as the weather permits. The cultivation of roses and carnations will be transferred to this establishment, thus affording larger facilities for the growing of miscellaneous pot plants and flowers at the home place on Newton street. Mr. Palmer will continue to reside in the city.

Chicago.

TRADE FAIRLY ACTIVE.

The shortening of the carnation crop, in connection with a stiffer demand on account of the spring openings in the stores, has had the effect of toning up the market and making prices firmer. Carnations began to move last Friday and cleaned up that night for the first time in weeks with some dealers. American Beauty roses are plentiful enough and of excellent quality. Some very extra fancy Bride and Bridesmaid roses are seen, with good, long, stiff stems. Richmond is perhaps not so plentiful, but sufficient for all calls. Killarney has gone off crop with some growers; some extra demand for Perle is noticed. Bulbous flowers are still over-numerous, with small outlet. Harrisii lilies are plentiful and prospects are excellent for a good Easter cut. Violets remain in large supply, but about clean up at very low prices. Green stock is in good supply, ferns selling about the same as last week.

NOTES.

Frank Oechslin, who occupies a truly enviable position as an expert plantsman, has his stock in the very pink of condition for Easter. Naturally the first interest was in his 9,000 Easter lilies in pots. These are coming along just right and show an unusual number of buds to every plant, the average being fully one more than for several seasons previous. Three thousand roses, in 4, 5, 6 and 7-inch pots, are a no less interesting sight. They include Baby Rambler, Dorothy Perkins, Clothilde Soupert and Lady Gay, and show great masses of perfectly formed buds. Azaleas, rhododendrons and spireas were also coming along fine. Mr. Oechslin is trying out a number of the new pink spirea. Decorative stock is quite a specialty here and is looking fine, especially the Boston ferns. Seedling ferns and pterises are a healthy lot. The small Asparagus plumosus plants are in the same fine shape. In one of the cool houses were seen a pair of unusually fine Chionanthus Virginica, both in full bloom.

Geo. Reinberg has decided to do still more rebuilding, this time erecting 12 houses, 26x265 feet each. They will all be of Washington cedar and will be higher than the old houses, the gutters being 7½ feet from the ground. This will necessitate the installation of two new steam boilers of 80 h. p. each. The houses when completed will be planted to American Beauty and Killarney roses.

Several retail stores for the sale of "union farm products" will soon be opened in this city, if the plan of the National Equity Exchange, the "farmer's union," is carried out. Stock will be sold at $1 per share, on which a dividend of 10 per cent will be paid. In addition, every customer will receive rebates based on the profits and the amount of the purchases.

The J. C. Moninger Co. reports a good business, having several very fair sized contracts on hand at the present time, including a range of five houses for Holton & Hunkel, of Milwaukee, Wis.; a range of five houses for Joseph Heini & Sons, of Jacksonville; a range of three houses for Geo. H. Servis, of Batavia, and various other ranges and single houses.

G. L. Blanchard, of Lake Forest, formerly gardener to Cyrus McCormick, is now in the coal and wood business in that suburb. Mr. Blanchard was formerly secretary of the Lake Forest Horticultural Society and was succeeded by J. W. Scharfenberg.

Jens Jensen, superintendent of the West parks, visited Hinsdale Sunday on invitation of the local improvement committee of that suburb and took a general survey of the situation in company with C. L. Washburn, a member of the committee.

The Foley Mfg. Co. has increased its capital from $100,000 to $125,000. J. P. Foley's son, James L. Foley, was one of the young men of this state who succeeded in passing the Rhodes scholarship examination.

The local Woman's Outdoor Art League has again arranged for the sale of penny packets of seeds to children through various neighborhood concerns. Mrs. Jos. P. Cobb, 254 E. Forty-seventh street, is in charge of the work.

The E. F. Winterson Co. has just received a carload of fancy ferns from the state of Washington. W. K. Wood is now with the Winterson Seed store, and J. W. Starrett is with the Benthey-Coatsworth Co.

J. T. Withers and Theo. Wirth were in the city last Friday, Mr. Withers returning east from Minneapolis and Mr. Wirth enroute to the S. A. F. executive committee meeting at Niagara Falls, N. Y.

Mrs. Chas. Reissig, and sons Paul and Charles, will take over the greenhouses at Riverside in the fall, the lease of R. Meyer, formerly Schmidt & Meyer, running out in September.

The next meeting of the Florists' Club will be held at the Union restaurant April 2 at 8 p. m., when a report of the rose show will be presented.

Superintendent Jensen of the West parks has used 30 carloads of Sandusky, O., special stone for rockery work in the new conservatory.

The Benthey-Coatsworth Co. have a few plants of that new favorite, White Killarney rose, having sported here as it has elsewhere.

A. Fitzgerald of the Morehead Mfg. Co., Detroit, Mich., was in the city this week in the interest of his firm.

The Eaton Flower Shop is being cleaned up and generally overhauled for the Easter and spring trade.

The Kennicott Bros. Co. reports a very good March business in spite of the month's poor opening.

Basett & Washburn are cutting some extra fancy long-stemmed Bride and Bridesmaid roses.

Peter Reinberg is now cutting fine crops of Bride, Bridesmaid and Richmond roses.

Vaughan's Greenhouses has just received a carload of fine box trees.

Wieter Bros. report being in full crop with both carnations and roses.

O. P. Bassett will celebrate his seventy-third birthday April 2.

Detroit.

Owing to continued ill health Geo. A. Rackham has sold out his greenhouse business and stock to Michael Bloy, foreman for Weiland & Olinger, New Castle, Ind. Mr. Bloy has the reputation of being a first-class grower, and Mr. Rackham hopes he may have the kind treatment that he himself has received from his many friends in the trade and takes the opportunity to say that as long as he lives he will consider his acquaintances among the florists as his best friends. Mr. Bloy will find the florists of this city ready to give him a hearty welcome. He will take charge April 1.

EVANSVILLE, IND.—Miss L. Mae Wainman, Ben Kramer's assistant, is in Chicago attending the rose show and visiting friends there. If she finds a desirable situation in the line of her profession she will probably remain in the latter city, as Mr. Kramer expects to dispose of his business about May 1.

WEILAND -AND- RISCH
Wholesale Growers and Shippers of
CUT FLOWERS
59 Wabash Ave., CHICAGO.
'Phone Central 879.
Write for our wholesale price list.
WHOLESALE FLORISTS

Kennicott Brothers Company,
WHOLESALE
CUT FLOWERS.
48-50 Wabash Ave.,
CHICAGO.

Klehm's Novelty Tulips
50 in the box, $2.00 per box.

We will have anything in the line of
Cut Flowers and Greens
that you may want it anybody has at Chicago market prices on day of shipment.

KENNICOTT BROS. CO.
L. D. PHONE, CENTRAL 466.
48-50 Wabash Ave., CHICAGO.

"THE BUSIEST HOUSE IN CHICAGO."

J. B. DEAMUD CO.

—FOR EASTER—

EASTER LILIES, BULB STOCK,
CARNATIONS, ROSES.

—BOOK YOUR ORDERS NOW.

Long Distance Phone
Central 3155.

51 Wabash Ave., Chicago.

Lily of the Valley

Surplus of Early Forcing Pips.

$10.50 per 1000; $25.00 per case of 2500; $1.50 per 100.

These Will Be Splendid
FOR EASTER FORCING,

and will make very desirable Easter plants with 12, 25 or 50 in a pot or pan.

ORDER NOW.

Finest Cold Storage Pips, $14.00 per 1000; $1.75 per 100.

Fancy Cut Valley Always on Hand.

H. N. BRUNS,

1407-1411 W. Madison St., CHICAGO.
Long Distance Phone, Kedzie 1196.

Roses,
Violets, Carnations
and other
CUT FLOWERS of best quality

E. H. HUNT

—SEND FOR PRICE LIST.—
76 Wabash Avenue, CHICAGO.

Florists' Supplies
AND
Novelties.

Chas. W. McKellar

51 Wabash Ave.
CHICAGO.

ORCHIDS
A Specialty

Fancy Stock in VIOLETS VALLEY, ROSES, BEAUTIES, CARNATIONS and a full line of all Cut-Flowers, Greens, Wire-Work and FLORISTS' SUPPLIES.

Send for Complete Catalogue.

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO Mar. 25.

Rose, Beauty, extra fancy	4 00
" " 24 to 30-in. stems.	3 00
" " 12 to 20-in. stems.	1 25@ 2 00
" " Short stems	75@ 1 00
" Killarney	6 00@12 00
" Bride, Maid Ivory Gate	4 00@ 8 00
" Liberty, Richmond	6 00@10 00
" Chatenay, Perle	4 00@ 8 00
Carnations	1 00@ 2 50
Violets	25@ 50
Lilium Harrisii, per doz.,	1 00@ 1 50
Callas, per doz.,	1 00@ 1 50
Lily of the valley	2 00@ 4 00
Smilax, per doz.	2 00
Asp. Plu. & Sprengeri bunch	50
Asparagus strings, each	50
Adiantum, per 100	75@ 1 00
Leucothoe sprays	50
Ferns, per 1000	2 00
Galax, green, per 1000	1 00
bronze, per 1000	1 50
Boxwood, per bunch	35

E. C. AMLING

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 Randolph Street,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Mention the American Florist when writing

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO
Telephone, Central 3284.

Mention the American Florist when writing

Vaughan & Sperry,

Wholesale Florists,

58 and 60 Wabash Ave., CHICAGO.
WRITE FOR SPECIAL PRICES.

DAILY SHIPMENTS OF

Cut Flowers

From 40 to 60 Growers.

"Greens" Our Specialty.

E. F. Winterson Co.,

45-47-49 Wabash Avenue. CHICAGO.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of CUT FLOWERS

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

WE ARE ON WITH A BIG CROP OF

BRIDES AND MAIDS.

OUR PRICE LIST.

	Per doz.
American Beauties,	
Extra long stems,	$4.00
36-inch stems	3.00
30-inch stems	2.50
20 to 24-inch stems	2.00
18-inch stems	1.50
15-inch stems	1.25
12-inch stems	1.00
Short stems	50 to .75

	Per 100.
Mrs. Marshall Field	$6.00 to $10.00
Killarney	6.00 to 8.00
Richmond. select	6.00 to 8.00
" No. 2	4.00 to 5.00
Golden Gate	6.00 to 8.00
Perle	6.00 to 8.00
Bride	4.00 to 8.00
Bridesmaid	4.00 to 8.00

	Per 100
Sunrise	$4.00 to $ 8.00
Chatenay	4.00 to 8.00
Uncle John	4.00 to 8.00
Ivory	4.00 to 8.00
Carnations	1.50 to 2.50
Lily of the Valley	3.00 to 4.00
Asparagus Plu. b'ch	.50 to .75

ROSES, Our selection, short to medium stems, fresh stock, **$4 00 per 100.** **No charge for packing and delivery.**

CARNATIONS. Well Rooted Cuttings. Ready for Shipment.

PINK.	Per 100	1000
Lawson	$1.50	$12.50
Enchantress	2.00	15.00

WHITE.	Per 100	1000
White Lawson	$2.00	$15.00
RED.		
Robt. Craig	$2.50	$20 00

Rose Cuttings. Strong, well rooted Cuttings.

	Per 100	1000
Ivory, Richmond, Chatenay and Uncle John	$1 50	$12.50
Sunrise	3.00	25.00
Perle	2.00	17.50

American Beauty, bench plants, now ready **$10** per 100; **$75** per 1000.

PETER REINBERG, 51 Wabash Ave., Chicago.

Our Pastimes.

Announcement of coming contests or other events of interest to our bowling, shooting and sporting readers are solicited and will be given place in this column.

Address all correspondence for this department to A. F. Faulkner, 1133 Broadway, New York; Robt. Kift, 1725 Chestnut St., Philadelphia; or to the American Florist Co., Chicago.

At Philadelphia.

Considerable interest is being taken in the club tournament now about closing on the home alleys. There are five teams of five men each which played two matches of three games with each other. The winning team at the seventh match is Moore's with a total of 17102 pins, an average of 162 pins to a man. This is a very good average when it is known that the teams included all the bowlers who cared to take part, quite a number of whom only play when urged and whose averages are usually very low. Some very high scores have been made. The high game is held by Moore's team with 2580, an average of 172. Robertson made three games in the match of 223, 236 and 230, a total of 689, a record for three match games, which was followed by Dodds a week later with 258, 233, 205, a total of 696, and the latter in another match game made a total of 694, which is certainly great rolling. We are glad to see that New York is making up; they have a wealth of good material and if they get together will put a team in the field this summer that will be very close to the top at the finish.

K.

At New York.

The bowling club has already a membership of 20. The dues are 50 cents a night, in advance. Bowling for President Traendly's offer of free transportation to Niagara Falls for the convention of the S. A. F. begins April 3. Bowling every Friday. The first meeting's scores follow:

Shreiner	131	181	186
Manda	156	171	181
Fenrich	173	165	192
Marshall	128	163	138
A. Rickards	124	216	148
W. Rickards	130	167	129

Messrs Young, Schultz and others "also ran." Lentz rolled 180. A big crowd is expected this week.

W. E. MARSHALL, President.

At Buffalo.

The rejuvenated Florists' Club had a bowling match last Monday evening between the married and single members and in the crowd, official scores were not kept, but the single men won two out of three games. W. B. Scott captained the single and Geo. McClure the married men. Should any one build a regulation alley, one foot wide, with sides one foot high, a match game might be rolled between "Eye These" Savage of the Hengerer store and London Sewell of the Albright greenhouses. We were very sorry not to have seen Edward Slattery at the game. Rumor says he is practicing on another alley and expects to challenge Andy Adams. Will Grever is either a comer or a goner. We cannot tell until he bowls a few more games.

BISON.

OMAHA, NEB.—The Florist's Club held its annual bowling night March 19 at the Metropolitan bowling alley. No prizes were offered: the idea was to have a good social evening and they certainly had a good time, plenty of refreshments and a good lunch kept them in good humor. H. Meyers of Council Bluffs, Ia., made high score, 165.—GRIPPE.

At Columbus, O.

The Florists' Club held a bowling meet March 17. No exceptional scores were made. McKellar and Reichert had quite a contest in which Reichert finished second.

CARL.

Highways and Byways.

Sheboygan, Wis.—J. E. Matthewson has purchased glass and contemplates building. He reports business good, with good collections. His stock of spring bedding plants is larger than ever.

Manitowoc, Wis.—H. F. Altman has turned his business over to his sons. H. F., Jr., has lately become a benedict. The specialty of this place is freesias, of which nearly 50,000 cut blooms were marketed.

Appleton, Wis.—The culture here is radically different from most places. Bulb stock has been untouched for several years, not being replanted, but treated to a generous top-dressing.

Hugo Rudolph, who now owns the Levenhagen place, has the stock in excellent shape.

Fond du Lac, Wis.—E. Haentze is one of the old school of exact methodical craftsmen now seldom found. In his establishment are to be found the best of the old methods and a conservative acceptance of all modern ones. Mr. Haentze for many years has made a specialty of seed growing of herbaceous stock and of late leaving the management of his cut-flower range to his sons. His collections of annuals and commercial varieties of gladiolus are well worth a trip in summer to view. He is a type of the successful commercial florist, not an idealist, but a practical craftsman with a monetary result in view.

We Solicit Your Cut Flower Orders

Because we have the stock and feel confident that we can please you.
We handle everything in the line of Cut Flowers and Greens. Try us.

HOLTON & HUNKEL CO.

462 Milwaukee Street, MILWAUKEE, WIS.

A Full Line of Florists' Supplies. Write for List. It is Very Handy.

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations and all kinds of Seasonable Flowers in stock.

WM. F. KASTING CO. Wholesale Commission Florists.

BUFFALO, N. Y.

Florists' Supplies and Wire Designs.

St. Louis.

PRICES ADVANCE.

The market since last Sunday has stiffened considerably. The demand came with St. Patrick's Day and the wearing of greened carnations is becoming a fad more and more every year. West End retailers as well as downtown ones spoke of the increased demand. There were during the week also many store openings and cut flowers and floral arrangements used thereat helped to swell the demand. Carnations sold well at $1.50 and $2. Violets are daily becoming less plentiful, and it is thought another week will finish them, although perhaps the cooler weather will prolong them some. Stock in general arrived less freely. The plantsmen are beginning to get around and the flower stands at the market are daily beginning to wear the appearance of spring. Easter is only four weeks off and retailers are looking around for their supply of lilies and other blooming plants. Sweet peas are more plentiful and soon these will take the place of violets for street wear.

NOTES.

John Bentzen, son of Adolph Bentzen, of the Bentzen Floral Co., together with his partner, Joe Koer, aside from his floral business, is dealing in squabs. John is quite a pigeon connoisseur and he claims it is a very profitable business.

The Horticultural Society will hold a fall show in November and the preliminary premium list will be out in a few days. Copies may be had on application to Secretary Otto G. Koenig, 6473 Florissant avenue.

The sudden disappearance of Nath. M. Kingsley, of the Mullanphy Floral Co., cannot be accounted for. His partner, Wm. A. Seeger, Jr., fears some misfortune has happened to him.

The St. Louis Seed Co. is very busy; its counter trade is immense and constantly on the increase.

C. Young & Sons Co.'s plant trade is now moving. This firm is very busy in all lines.

The Michel Plant & Bulb Co. is busy with tree planting and other work.

W. F.

Wholesale Flower Markets

BUFFALO, Mar. 25.

Roses, American Beauty	3 00@30 00
" Bride, Bridesmaid, Meteor	4 00@10 00
Carnations	1 00@ 3 00
Lily of the valley	2 00@ 4 00
Smilax	15 00
Adiantum	50@ 1 50
Lilies	4 00@15 00
Galax, per 1000	$1 50
Ferns, per 1000	2 00
Violets	40@ 75
Mignonette	2 00@ 5 00
Narcissus	2 00@ 3 00
Sweet peas	40@ 1 00
Hyacinths	2 00@ 3 00
Tulips	2 00@ 3 00
Daffodils	2 00@ 3 00
Asparagus Sprengeri, per bunch	25 50
Asparagus plumosus, per bunch	25@ 50
Freesias	2 00@ 3 00

MILWAUKEE, Mar. 25.

Roses, Beauty	75@ 5 00
" Liberty, Chatenay	3 00@10 00
" Bride, Bridesmaid	3 00@10 00
" Meteor, Golden Gate	3 00@10 00
" Perle	4 00@ 6 00
Carnations	1 00@ 3 00
Smilax	$1 50 per doz.
Asparagus, sprays	3 00
" Sprengeri	2 00@ 3 00
Lily of the valley	2 00@ 3 00
Adiantum	1 50
Violets	50@ 75
Common ferns	$2 00 per 1000
Harrisii lilies	$2 00 per doz.
Paper White narcissus	2 00@ 3 00
Roman hyacinths	2 00@ 3 00
Tulips	2 00@ 3 00
Daffodils	2 00@ 3 00
Sweet peas	50@ 1 00

ST. LOUIS, Mar. 25.

Roses, Beauty, long stems	2 50@ 3 00
" " medium stems	1 50@ 2 00
" " short stems	50@ 1 00
" Bride	2 00@ 6 00
" Bridesmaid	2 00@ 6 00
" Chatenay, Richmond	2 00@ 6 00
" Killarney	2 00@ 6 00
Carnations, common	1 00@ 1 50
" best	1 50@ 2 00
Smilax	12 50
Asparagus Sprengeri	1 00@ 2 00
" plumosus, strings	25 00@40 00
" cut sprays	1 00@ 2 00
Ferns, fancy, per 1000	$2 00
Lily of the valley	2 00@ 3 00
Violets, California	15@ 20
Narcissus	2 00@ 3 00
Callas	6 00@10 00
Sweet peas	25@ 40
Roman hyacinths	1 50@ 2 00

CINCINNATI, Mar. 25.

Roses, Beauty	$1 00@$ 4 00
" Bride, Bridesmaid	3 00@ 6 00
" Richmond	3 00@ 6 00
" Golden Gate	3 00@ 6 00
" Ivory	3 00@ 6 00
Carnations	1 00@ 3 00
Lily of the valley	2 00@ 3 00
Violets	50@ 3 00
Daisies	50
Callas	10 00@12 50
Harrisii	15 00
Dutch hyacinths	3 00@ 4 00
Narcissus	3 00
Smilax	12 50@15 00
Daffodils	2 00@ 3 00
Tulips	2 00@ 4 00
Asparagus plumosus and Sprengeri in bunches, per bunch	25c
Eastern Ferns, per 1000	$2 00
Galax, Green and Bronze	$1 00
Snapdragon	75 per doz

—THE—

J. M. McCullough's Sons Co.

Wholesale Commission Florists.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

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Phone Main 584.

Weiland & Olinger,

128 E. Third St., CINCINNATI, OHIO.

Wholesale Growers and Shippers of Cut Flowers.

Greenhouses, NEW CASTLE, IND.

WM. C. SMITH & CO

WHOLESALE FLORISTS.

Bell, Main 2018. Kinloch, Cent. 410.

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H. G. BERNING,

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

RICE BROTHERS

Wholesale Florists and Supplies,

115 N. 6th St., MINNEAPOLIS, MINN.

CUT FLOWERS received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities.

SCHENECTADY, N. Y.—Fred A. Howe has just placed an order with the Lord & Burnham Co., of New York, for one house 20x150 feet to be erected this spring. The house will be for general stock.

FANCY
White Lilac
$1.25 per bunch; 5 bunches for $6.00.
Our present White Lilac is very fine stock.
EXTRA SELECT ROSES,
$6.00 and $8.00 per 100.

LONGIFLORUM GIGANTEUM
FOR EASTER
$15.00 per 100; $125.00 per 1000.
For several years we have had the reputation of having the finest lilies for Easter, but this year's crop of all Giganteums will be the finest we ever handled. Packed at the greenhouse and shipped in original packages, we can assure you the finest stock you ever had. Write us now.

A. L. RANDALL CO.,
19-21 Randolph St., CHICAGO.

New York.

A BRIGHTER OUTLOOK.

Though the past week brought no increase in prices worthy of note, there was quite a lively movement of stock on Saturday with a better feeling, both in the wholesale district and the retail stores. There is some prospect that there may be a decrease in the supply for the remainder of March, a consummation devoutly to be hoped for. There has been times when it was dismal news for the district that roses and carnations were off crop, but such tidings can strike no terror at present. The slings and arrows of adverse fortune have landed heavily on a few dealers, in different branches of the trade, but the majority are still smiling and hopeful.

NOTES.

Anton Zvolanek of Bound Brook, N. J., is frequently seen in the wholesale district looking after his sweet pea interests. A prominent New Yorker, who greatly admires the splendid white sweet pea, Mrs. Geo. Lewis, introduced by Mr. Zvolanek, says, that his practice of naming his productions after honored patrons of horticulture might well be copied by other originators, some of whom, he says, seem to delight in nomenclature that is nerve racking if not jaw breaking.

The Holly Steam Engineering Co., of 135 East Fifteenth street, is receiving very flattering letters of commendation of its "standard electric circulator." One prominent grower writes: "I believe that in the average hot water plant, double the results could be obtained from the same boiler capacity by the use of your circulator; by using the circulator the water on the return was practically as hot as it was when it left the boiler."

President Traendly of the S. A. F., accompanied by Mrs. Traendly, left here March 21 and will be present at the rose conference and exhibition at Chicago. Others from this city and vicinity who will attend are John Young, E. V. Hallock, Harry O. May and wife and L. B. Coddington and wife. It is unnecessary to add that President Simpson and Secretary Hammond of the American Rose Society will be early on the ground.

Young & Nugent have recently had a number of very striking and attractive window decorations. In all kinds of decorative and design work, this firm is always strictly up-to-date.

It will be pleasing news to the many friends of H. D. Darlington of Flushing, that his estimable wife who has passed through a serious illness, is now rapidly recovering.

H. E. Froment is handling a large quantity of fine rose stock, much of which comes from the range of L. B. Coddington, Murray Hill, N. J.

Cincinnati.

TRADE IMPROVING.

We are glad to report a steady increase in business for the past 10 days and only hope the same will continue. The flowers received at the present time are exceptionally fine, the weather ideal for growing purposes and our only anxiety at this writing being what we will have to offer at Easter as there are a great many inquiries for stock coming along at this early date. Roses were never better in quality and all wants are easily satisfied. The carnation glut seems to have spent its force as all flowers received are sold out at what might be considered fair prices. Violets are slacking up considerably and of course the demand is on the increase, although the price remains the same. Sweet peas are coming along in fine shape but the demand is not equal to the supply. Bulbous stock is being moved at better prices and we hope conditions will improve as the growers who force bulbs ought to at least be reimbursed for the cost of the bulbs. Green goods seems to be growing scarcer and there is a good demand; very little of this has to be carried over.

NOTES.

Will Murphy and Tom Windram took a trip to Richmond, Ind., last Thursday and are very enthusiastic in what they saw in the line of seedling carnations at The E. G. Hill Co.'s establishment.

Peter Olinger of the firm of Weiland & Olinger, states that the first carload of glass for the new addition has arrived at New Castle, Ind., and they will proceed to get busy immediately.

Miss Edith Kyrk of Avondale had the family order for the Stix funeral. The blanket was a most artistic piece of work in which she used orchids, white roses, lily of the valley and violets.

S. S. Skidelsky, Philadelphia, Pa., who was a recent caller is under the impression that the hard times have spent their force and is very optimistic about the future.

A. Sunderbruch's Sons had the decorations for the spring opening of The John Shillito Co. This was a very large job and took some extra effort to handle it.

Mrs. Kresken has been exceptionally busy of late with funeral work and Tromey's Flower Shop employes worked overtime getting out orders.

Tom Windram is consigning some exceptionally good carnations to The J. M. McCullough's Sons Co. Tom grows his carnations very cool.

Frank Benson, of Newport, left Tuesday evening for Oklahoma, where he intends to locate if conditions prove satisfactory. S.

Buffalo.

BULBOUS STOCK TOO PLENTIFUL.

Flowers, more especially the bulb stock, are in over supply. Bargain and snap signs are everywhere to be seen and prices away down. The near approach of Easter will have a tendency to stop the sales for a time and the flower-buying public will again realize that flowers grow and are not manufactured in case lots and sold at a receiver's sale. Carnations are not quite as plentiful as they were two weeks ago, but roses are a glut and Bride, Bridesmaid, Killarney and Liberty have sold for three cents each. Violets, a bunch of 50, have been selling for 25, 35 and 50 cents.

NOTES.

The outlook for stock in this city for Easter is very bright with the Wm. Scott Co., S. A. Anderson and W. D. Newlands & Son. Lilies are fine, also Baby Ramblers, hybrid roses, azaleas and all Easter plants. C. F. Christensen, of Eggertsville; Schwerdt & Berner, Forks; Ruehling & Son, Forks, and Wm. C. Stroh, of Attica, are all in good shape, and should have a good lot of stock.

S. A. Anderson and wife were in Cleveland and Lorain, O., last week for the launching of a very large boat, owned by some local concern. Mr. Anderson had a very beautiful harp of the Brian Boru shape in his window for March 17. It was made entirely of golden leaves, which were leucothoe covered with gilt, and surrounded by electric lights; the effect was grand.

The first contingent of the S. A. F. executive committee arrived in this city Sunday, bound for Niagara Falls, headed by President Traendly, John Young, Theo. Wirth, Geo. Asmus and others. There is every indication that the executive committee will be very busy getting things in shape for the convention.

You cannot keep a good man down. Every effort is being made by the democratic party to induce Wm. F. Kasting to take the appointment of councilman to succeed the late John McManus. We hope he will accept, as one like him is needed in our council.

Visitor: Edward Fancourt, Philadelphia, Pa.

BISON.

Traendly & Schenck,
WHOLESALE FLORISTS,
44 West 28th Street, Phones, 798 and 799. New York City.

Alexander J. Guttman,
THE WHOLESALE FLORIST OF NEW YORK
43 WEST 28th STREET
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J. K. ALLEN, Wholesale Commission Florist.
Consignments Solicited.
Open every day at 6:00 a. m. Telephone, 167 Madison Square.
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Consignments of Choice Cut Flowers Solicited. Prompt Payments. Give us a Trial. Telephone 3559 Madison Square.

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Are the best product of the best growers for the New York Market.
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All flowers in season. Consignments of first-class stock solicited.
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48 West 28th St. NEW YORK.
Telephone 3870-3871 Madison Sq.

Rochester, N. Y.

The regular monthly meeting of the Commercial Florists' Association was held March 14. There was a good attendance of members and six new members joined the association. Quite an interest was taken in a fine showing of carnations sent for the inspection of the members. The exhibitors were Baur & Smith, Indianapolis, Ind.; White Bros., Gasport, N. Y.; E. H. Ruestow & Co., Barnard, N. Y.; Hugo Teute, Brighton, N. Y., and the Pennock-Meehan Co., which had a vase of Mrs. Jardine roses.

George Bennett is busy building a new greenhouse and dwelling house on his new farm on the Charlotte boulevard.

Edward Latz of Clinton avenue reports a good trade in cut flowers and plants. F. W.

Nyack, N. Y.

Growers here seem undismayed by the hard-times talk that has been floating around; they are all busy, which, by the way, is the best panacea for the blues.

Dutcher & Son have a flourishing crop of sweet peas coming on which will be marketed in time to make room for the planting of chrysanthemums. In addition to their greenhouses, they also do a wholesale commission business in New York.

Robert Y. Pye is showing fine stock in roses and carnations, noteworthy being many young plants in fine condition.

At their large, well equipped and centrally located range, De Pew Bros. have good stocks and seem prosperous.

Charles Millang. August Millang.
MILLANG BROS.
Wholesale Commission Florists,
41 West 28th Street, Telephones 3860-3861 Madison. New York.

Wholesale Flower Markets

NEW YORK, Mar. 25.

Roses, Beauty, special	15 00@20 00
" " fancy	10 00@12 00
" " extra	6 00@ 8 00
" " No. 1	4 00@ 5 00
" " Nos. 2 and 3	1 00@ 3 00
" Richmond	1 00@12 00
" Bride, Bridesmaid, G. Gate Special	2 00@ 4 00
" No. 1	3 00@ 5 00
" No. 2	1 00@ 2 00
Carnations, fancy	2 00
" common	50@ 1 00
Lilies	5 00@10 00
Lily of the valley	1 00@ 2 00
Asparagus plumosus strings	25 00@40 00
" per doz. bunches	2 00@ 3 00
Smilax	8 00@10 00
Cattleyas	35 00@50 00
Cypripediums	8 00@10 00
Violets	15@ 40
Gardenias	5 00@20 00
Callas, per dozen	75@1 00
Roman hyacinths	50@ 75
Mignonette	1 00@ 3 00
Jonquils	1 00@ 1 50
Sweet peas, per doz. Bunches	35@ 75
Tulips	1 00@ 1 50
Lilac, 40@50 per bunch	
Snapdragon	2 00@ 3 00

J. Seligman. Joseph J. Levy.
John Seligman & Co.
WHOLESALE FLORISTS,
56 West 26th Street, NEW YORK.
Opposite N. Y. Cut Flower Co.
Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best Prices. Satisfaction guaranteed. Tel. 4878 Madison.

Young & Nugent,
Telephone, 2065-2066 Madison Sq.
42 West 28th St., New York
To out-of-town Florists: We are in the Heart of
And give Special attention to Steamer and Theater orders. Prompt deliveries and best stock in the market.

John Young
WHOLESALE FLORIST,
51 West 28th St., NEW YORK CITY
Long Distance Telephone, 4463-4 Madison Sq.

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WHOLESALE COMMISSION.
American Beauty Roses a Specialty. Roses, Violets, Carnations, Valley, Lilies, Etc.
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Telephones: 2200 and 2201 Madison Square.

Walter F. Sheridan
WHOLESALE FLORIST,
Telephones: 3532 and 3533 Madison Sq.
39 West 28th St., NEW YORK

Moore, Hentz & Nash,
Wholesale Commission Florists,
55 and 57 West 26th Street,
Telephone No. 756 Madison Square. New York.

N. Y. Cut Flower Exchange
Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable Wall Space to Rent for Advertising.
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Thomas Young, Jr.
FLORIST,
500 5th Ave., NEW YORK.
Telephone: 847 Bryant.

Tel. 1009 Madison Sq. Established 1872
PERKINS & NELSON
Wholesale Florists
57 West 26th Street, Cor. 6th Avenue. NEW YORK.

Samuel A. Woodrow
WHOLESALE
PLANTSMAN AND FLORIST
53 W. 30th St., NEW YORK.
Out of town orders a specialty.
Telephone 2083 Madison. Consignments solicited

Fancy Carnations

We have big cuts of the Finest Carnations seen on this market in years; our prices are down to $1.50 to $2.50 per 100, according to grade. LONG BEAUTIES also in good supply. ROSES, of A1 grade and in good crop. Note the following prices:

	Per doz.
American Beauties, extra long stems	$4 00
30-inch stems	3 00
24-inch stems	2 50
20-inch stems	2 00
18-inch stems	1 50
15-inch stems	1 00
12-inch stems	75
8-inch stems	50

	Per 100
Bride	$ 6 00 to $ 8 00
Bridesmaid, fancy	6 00 to 8 00
Killarney, fancy	8 00
" good	5 00 to 7 00
Kate Moulton, fancy	8 00
" " good	5 00 to 7 00
Richmond, fancy	8 00
" good	4 00 to 6 00

	Per 100
Chatenay, fancy	$8 00
" good	$5 00 to 6 00
Uncle John, fancy	6 00 to 8 00
Perle	4 00 to 8 00

ROSES, Our Selection, $4.00 per 100

	Per 100
CARNATIONS, fancy	$2 50
" good	1 50

All other stock at lowest market rates. No charge for packing. Prices subject to change without notice.

WIETOR BROS.,

Wholesale Growers of..... CUT FLOWERS 51 Wabash Ave., CHICAGO

ACACIA PUBESCENS $2.00 and $2.50 PER BUNCH.

THE CHOICEST NOVELTY ON THE MARKET.

THE LEO NIESSEN CO., Wholesale Florists, 1209 Arch St., Philadelphia, Pa.

Philadelphia.

SUPPLY SHORTENS SOMEWHAT.

Crops have shortened up a bit, the shipments for this market being noticeably lighter the past week. This particularly applies to carnations, there being a falling off of at least one-third over the quantities received the week before. The quality still continues fine and prices are from 50 cents to $1 per 100 higher. The first shipments of southern daffodils of any moment arrived last Friday and Saturday. They were, in the main, of very good quality and sold for from $2 to $3 per 1,000. If this fine weather continues the market will soon be flooded; as it is, the streets on Saturday last were yellow with the great quantities offered by the fakirs, who sold them as low as 10 cents per bunch of 25 blooms. This will affect all other small flowers for the time being, as when sold at such low prices the daffodils are great favorites with the masses. American Beauty roses are very plentiful and the specials are hard to move at anything like prices that the growers ordinarily hope for at this time; $2.50 per dozen is high and in quantity lots much lower figures prevail. Sweet peas are very plentiful but sell well, as they are very popular. Giant daisies are fine, 75 cents to $1 being the price. Lily of the valley is a trifle scarcer; some of the growers appear to be holding off, as the low prices prevailing do not net them the price of the pips. Violets are very plentiful, the warm weather bringing them along faster than they can be sold, although the demand is good. The street men handle an immense quantity. The advance guard of the Easter plant stock is making its appearance, genistas, Easter lilies, bougainvilleas, spireas, rhododendrons, cinerarias, daisies, azaleas and other favorites are seen in the stores and enter largely into the window decorations. It is thought, by some of the growers, that the bulbous stock will hardly last for Easter, as it being so late there will be difficulty in holding it, particularly if a hot spell sets in the week before, as is often the case about the middle of April. The commission men are bearing up well under the large loads they are obliged to carry and now the flood of southern daffodils is on, it is still harder. These latter are in many cases not potted up, being sold for the most part in case lots. It is astonishing where all the stock goes to, but it gets sold somehow, at some price, and the yearly average must be satisfactory, as each season sees 10 to 15 per cent more glass added to many of the plants which, together with the new establishments which spring up each season, shows that the trade as a whole is satisfied with present results.

NOTES.

Wm. McKissick is much pleased with his cold storage for carnations, which is situated in the basement. Cold air from the outside is admitted to the bottom of the room through a shaft at one end, while an opening at the top at the other end, provides for the necessary ventilation. While his stock is kept constantly moving, he finds that flowers received the night before, when potted up and left in this room over night are in fine condition for selling the next day.

The Leo Niessen Co. is handling the new pink rose, Wyndmoor, in quantity. It certainly has a beautiful color and looks like an acquisition. American Beauty galore, of the very highest grade, is seen here, and at the low prices is selling well. Something very choice in cattleyas was received last week. Such stock should sell at sight.

John McIntyre's first shipment of southern daffodils, reached him Saturday last and were all disposed of within the hour. He expects to handle large quantities and says that none of them will get on the street. K.

Baltimore.

BUSINESS ONLY FAIR.

The most delightful weather continues, and the spring promises to be an early one. Vegetation is progressing rapidly and unless there are some set-backs in the way of cold waves or snowstorms, the normal average will be anticipated by several days. The ground is clear of frost and farming and gardening operations are all being pushed ahead under very favorable conditions. Outdoor gardens show signs of life and all nature will soon be astir. There cannot be said to be any marked improvement in trade. Some large funerals last week called for liberal supplies, notably that of United States Senator William Pinkney Whyte, where a great display of rather handsome floral designs, mainly wreaths and bunches, was in evidence. There seemed to have been no very choice selections of materials, however. The southern narcissus crop is on, and the city is a yellow one, indeed. The street vendors found a good trade in these flowers, but as the overwhelming quantities come in later they usually soon satisfy the popular taste. Roses and carnations are well maintained as to quality, and it is hard work to keep the supplies cleaned up. Prices are unsatisfactorily low. Growers are beginning to turn their eyes towards Easter as promising more satisfactory conditions.

J. J. Harty & Company

Wholesale and Commission

.FLORISTS.

1312 G St., N. W., Washington, D. C.

Phone Connection Main 5011

NOTES.

James Hamilton, of Mt. Washington, who has been steadily at work all winter in enlarging and perfecting his plant, has now one of the largest florist's establishments in this vicinity. His houses are large structures, very substantially built, with large glass and all conveniences for economical work. The entire range is heated by a 65-h. p. steam boiler of the Scotch marine type, the fire being all inclosed, and no bricking up necessary. The products of combustion go through two series of tubes, so that all the gases are consumed. The boiler is from the Gem City Works of Dayton, O., and was built on plans prepared by Mr. Hamilton. The main crops here are carnations, roses and chrysanthemums, and of the last named great quantities of rooted cuttings or young plants are produced and marketed all through the country. Besides these staples a miscellaneous stock of bedding plants, etc., is grown. Chas. M. Wagner is foreman on the place.

The Johns Hopkins University authorities have decided to erect a greenhouse on their new site at Homewood. The structure will be located in the botanic garden, and its construction will be designed so that an arrangement of plants may be made illustrating the variations of plant life in systematic order. Of course this precludes any very showy effects, the object being not to present collections of flowering or foliage plants, but to be serviceable in instruction and investigation in botanical science.

S. B.

CARNATIONS.

Very low prices on large lots.

BULB STOCK.

The finest in this line at right prices.

PITTSBURG FLORISTS' EXCHANGE, Pittsburg, Pa.

AMERICAN BEAUTIES

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

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GRAFTED AND OWN ROOT ROSES

KAISERIN, CARNOT, KILLARNEY, RICHMOND, LIBERTY, BRIDE and BRIDESMAID.

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W. H. ELLIOTT, BRIGHTON MASS.

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CARNATIONS in quantity. Special prices on large orders.

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WHOLESALE FLORIST.

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J. B. Murdoch & Co.

714 Penn Avenue, PITTSBURG, PA.

All Seasonable Flowers.

Toronto.

TRADE LOOKING UP.

Trade the past week has taken on a new lease of life and it now looks as it the usual standard has again returned. The past week with the decorators has been a busy one as the many spring openings for the larger stores and the opening of the automobile and motor show used flowers and plants to a considerable extent. Excepting American Beauty there is a plentiful supply of roses in all varieties; the quality is exceptionally good and prices are more steady. With carnations there is an over supply in all varieties and some excellent stock is going at very low figures and at considerably less than they have ever reached in this city. Lilies, sweet peas and violets are still plentiful and flowering plants give the stores a very spring-like effect. St. Patrick's Day was very cold but this could not interfere with the loyal sons of Erin and "The wearing of the green." Shamrocks in pots and fancy arrangement met with a good sale and greened carnations were quite in evidence. Funeral work has been plentiful but society functions needing decorations are few. Palms and ferns are scarce.

NOTES.

The Florists' and Gardeners' Club gave its annual at home, March 17, and the affair was a brilliant success. It was pleasing to see so many ladies in attendance and an enjoyable evening was the result. The musical programme was a good one, the elocution brilliant and the refreshments enjoyed by all.

Robert Abbs' stock was never in better shape, but as he has one firm who contracts for his entire output he is wearing the never ending smile. Carnations and sweet peas comprise the bulk of his establishment though a little bulbous stock is also grown.

R. Jennings, of Brampton, is cutting carnations in quantity, but his stock is of such excellent quality that he has no difficulty in getting his regular customers to take all his stock; sweet peas are also fine with him.

Very little glass will be put up in this section the coming season as most of the growers will content themselves with remodeling their present establishments.

Quite a number of store helpers have inquired here for work; most of these come from the United States and look capable.

E. J. Fancourt, of the S. S. Pennock-Meehan Co., Philadelphia, Pa., has been here looking up orders.

H. G. D.

Wholesale Flower Markets

PHILADELPHIA, Mar 23

Roses, Tea	4 00@ 6 00
" " extra	8 00@10 00
" Liberty	6 00@25 00
" Beauty, extra	20 00@25 00
" " first	10 00@15 00
Carnations	1 50@ 3 00
Lily of the valley	2 00@ 3 00
Asparagus, bunch	50 00
Smilax	15 00@20 00
Adiantum	1 00@ 1 50
Violets, single	50@ 75
" double	50@ 60
Cattleyas	50 00@60 00
Cypripediums	12 00@15 00
Lilium Harrisii	10 00@12 00
Mignonette	2 00@ 3 00
Sweet peas	50@ 75
Freesias	2 00@ 4 00
Gardenias	35@ 50

PITTSBURG, Mar. 23.

Roses, Beauty, specials	30 00@40 00
" " extras	20 00@25 00
" " No. 1	10 00@15 00
" " ordinary	4 00@ 8 00
" Bride, Bridesmaid	4 00@10 00
" Chatenay	4 00@10 00
" Richmond	5 00@12 00
" Perle	6 00@ 8 00
" Killarney	4 00@12 00
Carnations	1 50@ 3 00
Lily of the valley	3 00@ 4 00
Smilax	12 50@15 00
Asparagus, strings	50 00
" Sprengeri	3 00@ 4 00
Lilies	10 00@15 00
Adiantum	75@ 1 00
Violets	50@ 75
Cattleyas	75 00
Paper White Narcissus	2 00@ 3 00
Roman hyacinths	2 00@ 3 00
Sweet peas	50@ 1 00
Daffodils	00@ 3 00
Dutch hyacinths	4 00
Callas	10 00@12 50

BOSTON, Mar. 23.

Roses, Beauty best	25 00@35 00
" " medium	15 00@20 00
" " culls	6 00@12 00
" Bride, Bridesmaid	1 00@ 2 00
" Extra	4 00@ 8 00
" Liberty	8 00@12 00
Carnations	1 00@ 3 00
" Fancy	3 00@ 5 00
Smilax	8 00@12 00
Adiantum	75@ 1 25
Asparagus	35 00@ 0 00
Harrissi	10 00@12 00
Callas	8 00@12 00
Daffodils	1 00@ 4 00
Narcissus	2 00@ 3 00
Sweet peas	50@ 1 00

JOHN W. McINTYRE,

1601 Ranstead St., PHILADELPHIA.

Southern Daffodils, Trailing Arbutus, Single Violets and Yellow Daisies in any quantity.

Brampton, Ont.

Trade has picked up again in this locality until the demand and the supply are about equal. During the fore part of Lent, business dropped until there was considerably more stock around than could be handled, but it has gradually worked back until almost everything is being cleared up again, and with prices about the same as last year. Roses are coming along in good shape now, hardly as many as there were a couple of weeks ago, but of good quality. American Beauty has been rather scarce but is doing better now and will be plentiful again in a week or two. Carnations have been plentiful right along and will continue to be so by the look of the beds at the present time. The bright sun of the last few days has taken the color out of some of the pinks, but a little shade over the varieties most affected will overcome this. Sweet peas and violets are coming in in great quantities now and also all kinds of bulbous stock.

NOTES.

There will be considerable building in town again this year. The Dale Estate is putting up four new houses 22x350 feet. It will be a big proposition to get the site ready for them as they are to go on the side of a hill and there will be considerable leveling to do before they can commence any building operations.

We hear from Lambton Mills, that Carlton & Marks have dissolved partnership, and that Carl Marks has bought a piece of land and is going to make a start for himself. We wish them both every success in their separate ventures.

W. E. Calvert has a nice house of lettuce coming on. He is making a small addition to his house this year. Jas. Wilson is getting busy. He usually handles quite a lot of tomatoes in boxes besides cauliflower, celery, etc.

Market gardeners are beginning to show signs of activity. Lewis & Bird have dissolved partnership and the business will be kept on by F. Lewis; he expects to do a big trade this spring in pot plants.

Wm. Fendley is building one house to be used for propagating; it will be about 250 feet long.

L.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

Philadelphia, Pa.
Robert Kift,
1725 Chestnut Street.
Prompt and Careful Attention given to all Mail and Telegraph orders.

New Orleans.

PREPARING FOR EASTER.

The carnival festivities are now over, and all are well pleased with the business done. Chicago furnished the bulk of the flowers except lily of the valley, Paper White narcissi and Roman hyacinths, which were grown here in abundance. Chas. Eble, U. J. Virgin and Mrs. C. Rehm had a large share of the demand, while the Metairie Ridge Nursery Co. did a large business in the cut flower and plant line. Decorative plants were in great demand. The trade now has resumed its normal state, being mostly wedding and funeral work. Preparations are being made for a large Easter trade.

SOCIETY MEETING.

The Horticultural Society held its regular monthly meeting on March 19, when, after the conclusion of the routine business President Eble stated the question of holding a grand flower and plant show this fall was in order. The committee in charge made its report and a liberal prize list was adopted for the members of the society. After a spirited discussion it was also agreed that growers outside the state would be invited to make displays, and a suitable prize would be offered for the best display of 12 varieties of chrysanthemum flowers; not less than three of a kind. A committee was appointed to secure a suitable hall at once and make a deposit on same, so as not to be disappointed as they were last year, and November 12 to 15 were the dates selected to hold the show. The prospects at present are very bright. The growers here are making great preparations to send some of the finest specimens of chrysanthemums ever grown in the south. Richard Eichling, grower for U. J. Virgin, displayed some nice specimens of lily of the valley and Easter lilies.

NOTES.

J. F. Dubois is now building three greenhouses, one 11x100, and one 18x100, to be connected, and one 12x35 for the cultivation of general stock for the local market.

Jas. A. Newsham left for Central America on March 17 to be gone about three or four months to gather a large collection of orchids for his fast increasing trade.

Frank Broker, gardener at the city park, is busy stocking the new greenhouse with a rare collection of choice plants.

C. W. Eichling has a fine stock of large hanging baskets of neprolepis and Asparagus Sprengeri, also adiantums.

A. Alost has made an addition of two greenhouses, each 20x200 feet, for the raising of cut flowers.

U. J. Virgin has a large stock of lilies in fine condition for the Easter trade.

Chas. Eble is progressing nicely with his new nephrolepis. D.

BENTONVILLE, ARK.—At the recent meeting of the Benton County Horticultural Society the following officers were elected: S. H. Shelton, president; S. W. Goode, vice president; I. B. Lawton, secretary; L. H. McGill, treasurer; H. W. Gipple, Julius Giger and Judge Jenkins, executive committee.

Detroit, Mich.
John Breitmeyer's Sons
Cor. Miami and Gratiot Aves.
Artistic Designs.
High Grade Cut Blooms.
We cover all Michigan points and good sections of Ohio, Indiana and Canada.

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Hess & Swoboda,
FLORISTS,
1415 Farnum St. TELEPHONES 1501 and L 1582

Kansas City, Mo.
Samuel Murray
...FLORIST...
1017 Broadway Coates House Conservatory
Both Phones 2670 Main.
Write, Telephone or Telegraph. All orders given prompt attention.

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J. W. Wolfskill,
FLORIST,
Telegraph Orders a Specialty. 218 W. 4th St.

Boston, Mass.
HOUGHTON & CLARK,
FLORISTS
Telephone Connection. 396 Boylston St.

Seattle, Wash.
Woodland Seed & Floral Co.,
808 Second Avenue,
Will fill all orders for Cut Flowers, etc. for steamers for Japan and Alaska or any part of the Pacific coast. A. L. AABLING, Gen. Mgr.

Louisville, Ky.
JACOB SCHULZ,
644 FOURTH AVENUE.
Cut Flowers of BEST QUALITY in season, delivered promptly to any address.
Write, Telegraph or Telephone
Cumberland and Home Phones 223 and 984

Nashville, Tenn.
Joy Floral Co.,
610 CHURCH STREET.

Atlanta, Ga.
ATLANTA FLORAL CO.
41 PEACHTREE STREET.

Brooklyn, N. Y.
Robert G. Wilson
Fulton St. and Greene Ave.
Greenhouses: Short Hills, N. J.
— Deliveries in —
Greater New York, Long Island and New Jersey.
Trade orders from all parts of the country filled for delivery at residence, steamer, hotel, or theater on wholesale basis. Satisfaction guaranteed. Wire or telephone.

Evansville, Ind.
THE
Wm. Blackman Floral Co.
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Prompt attention given to all mail, telephone and telegraph orders.

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—FLORIST—
Special attention to Telegraph or Telephone orders, 'Phone 1912.

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HOLM & OLSON,
ST. PAUL.
THE LEADING FLORISTS OF THE NORTHWEST
Orders will be well cared for anywhere in MINNESOTA AND THE DAKOTAS.

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Rochester Phone 506. Long Dis. Bell Phone 2189.

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14th and H Streets.

New Orleans
CUT FLOWERS
For Tourists and General Trade.
Wire or mail. Highest Grade Stock Only.
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FLORAL DESIGNS AND FLOWERS
Best Quality on Shortest Notice
DANIELS & FISHER
Order by mail, telephone, telegraph or cable. Cable address: "Daniels, Denver."

Cleveland.

CARNATIONS IN DEMAND.

For the first time in a couple of months the market has been cleaned of carnations by the end of the week. From Monday until Thursday stock continued to come in large quantities and was sold at any price obtainable. Friday saw a decided shortening and by Saturday the demand for carnations exceeded the supply. The prices also took a decided jump; $2 and $3 was the price quoted Saturday, whereas $1 and $1.50 was quoted the fore part of the week, excepting select stock, which brought $2. American Beauty roses sell exceptionally well, especially long stemmed ones; the quality and quantity are improving. Bride and Bridesmaid are coming in such large quantities that some of the best stock is sure to go to waste regardless of the great efforts taken by the commission men to dispose of the stock. The last Roman hyacinths and Paper White narcissi were seen last week. Violets are decreasing in size and length of stem, owing to the warm weather we are having; it is doubtful whether single ones will be available for Easter. Spring has evidently come to stay, for we are having very fine weather for this time of the year, consequently the bulbous stock is advancing in spite of the great efforts taken to hold it in check.

NOTES.

Wm. A. Smith, West Madison avenue, is sending in exceptionally fine stocks and forgetmenots. Mr. Smith grows some of the best single violets that are sent into this market.

The Cleveland Florists' Exchange is handling large quantities of sweet peas and lily of the valley. Some very nice long stemmed American Beauty roses can be seen here.

Bramley & Son, Becker avenue, are turning out an unusual lot of funeral work. This firm's stock of Easter plants looks as though a large trade is expected about April 19.

L. F. Darnell, of the J. M. Gasser Co., has returned from Raleigh, N. C., where he was called by the death of his father.

The James Eadie Co. is having very pretty window displays of spring plants.

FORESTER.

Grand Rapids, Mich.

F. M. Strong, S. J. Perry, E. E. Taylor, Frank J. Cook and the Stover Floral Co., of Grandville, have joined themselves together in one large corporation, calling themselves the Grand Rapids Greenhouse Co., and will conduct a general greenhouse business, growing cut flowers, plants and all kinds of vegetables. This organization has been hanging fire for the past year, but on account of the money market it has been postponed from time to time. They have just issued $50,000 of first mortgage bonds which have been taken by the city banks and will take possession of the five establishments on April 1. They have just bought 3,000 boxes of glass and will build at once 125,000 feet of glass to be ready May 1, and will be planted as soon as ready to cucumbers. This will give them about a quarter million feet of glass, and the company will start out with a capital of about $175,000, with $150,000 all paid in. N. B. Stover, who has been doing business at Grandville and this city for the past 21 years, under the name of The Stover Floral Co., will superintend the florist branch of the company; the plant business will be retained and enlarged and a large area will be devoted exclusively to cut flowers. The officers of the company are: F. M. Strong, president; E. E. Taylor, vice president; Frank J. Cook, secretary and treasurer; S. J. Perry, general manager. The headquarters of the company will be at the Madison Square bank.

N. B. S.

ASPARAGUS, BOSTONS, AZALEAS,

Plumosus Nanus, 2½-in., $3.50 per 100, $30.00 per 1000; 3-in., 6c; 3½-in., 10c; 4-in., 12c; 5-in., 20c; 6-in., 30c. Comorensis, 2-in., 2c; 2½-in., 3c; 3½-in., 6c. Sprengeri 2½-in., 3c; 3½-in., 8c; 4-in., 10c.

Bostons, 2½-in., 4c; 3-in., 8c; 6-in., 40c; 7-in., 65c; 8-in., $1.00 to $1.50; 10-in. $1.50 to $2.00.

Azaleas. We are now booking orders for Easter delivery. Our stock is the best in the west.

Phones Bell, Forest 1453. Kinloch, Delmar 474 L.

J. W. DUNFORD, Kingshighway and Page Blvd., Greenhouses at Clayton, Mo. St. Louis, Mo.

Cut Flowers or Designs

Will be delivered for the Trade on Wire or Mail. Orders in Best Qualities and Prices.

St. Louis, Mo.

Fred C. Weber,

FLORIST,

Established 1873. Bell, Lindell 676. 4320-4328 Olive St.

San Francisco, Calif.

J. B. Boland Co.

Successors to Sievers & Boland.

FLORISTS,

47-49 Geary Street.

Cleveland, O.

The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in NORTHERN OHIO.

New York.

MYER, FLORIST,

609-611 MADISON AVE.

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WASHINGTON D. C.

Gude's.

St. Louis, Mo.

WRITE, WIRE OR PHONE YOUR ORDERS TO

YOUNGS,

1406 Olive Street.

Regular discount allowed on all orders, either Plants or Cut Flowers.

Phones Bell, Main 2306. Kinloch, Central 4981.

Dayton, O.

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—FLORIST—

16 W. 3rd Street.

Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones

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HAUSWIRTH FLORIST

M. C. and J. E. Hauswirth.

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Mail, telegraph or telephone orders filled promptly in best style.

Kansas City, Mo.

WILLIAM L. ROCK Flower Co.,

Will carefully execute orders for Kansas City and any town in Missouri, Kansas or Oklahoma.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in WISCONSIN.

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Bertermann Bros. Co.

FLORISTS

.....241 Massachusetts Ave.

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Flowers or Design Work.

DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.

11 NORTH PEARL STREET,

Denver, Colo.

The Park ...Floral Co.

J. A. VALENTINE, President.

Muskogee, Okla.

The Muskogee Carnation Co.

Wholesale and Retail in Cut Flowers.

We grow all our own Cut Flowers. Funeral work orders our specialty. Wire or mail order. Prompt attention.

Kansas City, Mo.

GEO. M. KELLOGG,

906 Grand Avenue,

KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

Buffalo, N. Y.

Palmer's

W. J. Palmer & Son, 304 Main St

The Seed Trade.

American Seed Trade Association.
Geo. S. Green, Chicago, Pres.; M. H. Duryea, New York, First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-sixth annual convention, June 23 to 25, at Hotel Ponchartrain, Detroit, Mich.

CATALOGUES may now be sent through Australian ports by mail, free of duty.

"THE Germination of Vegetable Seeds" is the title of a bulletin just issued by the Department of Agriculture.

THE Country Gentleman of March 5 contains an excellent portrait of W. Atlee Burpee with an appreciative notice.

NEWSPAPERS have it that quite a new industry has sprung up in the neighborhood of Peru, Neb., in collecting catalpa seeds for Iowa nursery firms.

PHILLIPE DE VILMORIN, of the firm of Vilmorin-Andrieux & Co., Paris, France, was recently elected a fellow of the Linnean Society, of London, Eng.

ROCKY FORD, COLO.—The Rocky Ford Seed and Melon Co. has been incorporated here. The incorporators are F. H. Hillfiker, L. B. Deemer and W. B. Gobin. The capital stock is $25,000.

FLOWER SEED shortages to date are reported as follows: Delphinum formosum, Adlumia cirrhosa. Viola odorata, Salvia farinacea, Asparagus Comorensis, Gourd Dipper, Ipomea Leari, annual larkspurs, Lobelia erinus, Lathyrus latifolius and L. albus, four o'clock, Convolvulus major, Luffa acutangula and many asters.

THE Bureau of Plant Industry, Department of Agriculture, Washington, D. C., advise that they know nothing of the report that congress has cut down the number of packets of seeds allowed for the coming congressional distribution adding, that the committee on agriculture in congress in the house has not yet reported the agricultural bill to the house.

HARRISBURG, PA.—The seed business today is remarkably strong. There is an enormous demand for seed corn throughout this section of the country. Fortunately for us we have secured some excellent corn which will test 90 to 95 per cent, and will be in a position to supply the wants of the farmer. Corn throughout this section of the country is of no value whatever—plenty of it has been thrown out on the field as the stock will not eat it as it has become moulded, hence this is a considerable loss to the farmers as they will all have to buy their seed corn. There is a great demand for seed oats and clover, although at enormously high prices. We note, however, this year there is more alsike being sold than usual, and the farmers are paying any price to get good seed. The mail business has opened up, but so far it has not come up to last year. Seed potatoes are also greatly in demand.—HOLMES SEED CO.

Braslan Seed Growers' Co.
Growers for the Wholesale Trade Only.
SAN JOSE, CAL.

CLEVELAND, O.—Huigbert Keur, a wealthy tulip grower of Hillegom, Holland, is suing Henry Eickhoff, Frank E. Baurs and Emil Heidenblut for sums totaling $800 for unpaid bulb bills. The florists say the bulbs were useless when they arrived.

FLORAL PARK, N. Y.—John Lewis Childs reports January business slack but February very good. The orders March 11 exceeded those of any day of 1907. The firm looks for the height of the spring trade on March 16 or 23 and does not think the general business depression is reflected very largely in the seed trade.

ROCKFORD, ILL.—During four days, March 2 to 5 inclusive, a business of $36,000 was done by the money order department of the postoffice. Orders to the Buckbee and Shumway concerns for four days aggregated $15,000, the sums running from 25 cents to $6. with a probable average of $1.50. Probably the smallest money-order ever sent to the local office was for five cents in favor of H. W. Buckbee.

Seedsmen on Mann's Bill.

Seedsmen consulted regarding the proposed seed bill (H. R. 13835) where all are without exception agreed that because of the nature of seed crops, this act as now reported, would place practically every dealer in imported seeds in the position of a violator of the law, since even one or two per cent of dead or unfertile seeds in any imported stocks would class them as adulterated under lines 17 to 19, page 3, of the proposed act as printed in this issue.

Further, those of the trade consulted, believe that it should be made a part of the law that no person should be prosecuted under the act, unless the seeds offered or sold are below the certain standards of quality for each variety, which standard they hold should be used by the United States Department of Agriculture before any such act is made a law.

Vice-President Bolgiano, of Washington, D. C., reports that, while the Department of Agriculture and its assistants were given a hearing before the interstate and foreign commerce committee of the house of representatives, no hearing whatever was granted to commercial seedsmen whose interests are vitally affected.

The Perennial Font.

We see that the house committee on agriculture is enamoured of James Wilson's department. That was to have been expected. A careful examination of Circular No. 591, lately issued, reveals to us the causes of the affection which now manifests itself in a disposition to increase the estimates and to give Mr. Wilson more, much more, than he had originally asked.

Consider for a moment the bulletin on "Deciduous Fruit Insects and Insecticides," or that on wax moths. Bathe your soul in "Forage for Hogs in Kansas and Oklahoma," and then dwell upon "The Tuna as Food for Man." There are others, of course, such, for instance, as "The Production of Easter Lily Bulbs in the United States," "The Supposed Relationship of White Snakeroot to Milksickness." and a whole lot more. You catch the point, however. You see the relation. That is enough.

The chairman of the committee on appropriations and one of Uncle Joe Cannon's right hand men, may get his knife out and brandish it, but what of that? The Department of Agriculture goes on forever. Year by year its personnel increases, its buildings multiply, its salaries swell and swell again. And who that reads about "The Available Energy of Red Clover Hay" or "The Results of Loco Weed Investigations in the Field" will hesitate one moment? Of course the Committee on Agriculture is favorably disposed. It is the most natural thing in the world that it should be.—New York Sun.

Imports.

During the week ending March 14, imports were received at New York as follows:

McHutchison & Co., 158 pkgs. six cases plants, 10 cases trees.

P. Ouwerkerk—71 cases trees.

Wm. Elliott & Sons—41 cases plants, 13 cases trees and shrubs.

Vaughan's Seed Store—31 cases trees, seven cases plants, one case flower roots.

Stumpp & Walter—One case plants.

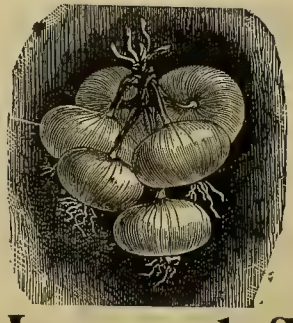
Peas AND Beans
Alfred J. Brown Seed Co.,
GRAND RAPIDS, MICH.

S. M. ISBELL & CO.
JACKSON, MICH.
Contract Seed Growers,
Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.
Correspondence Solicited.
Write for Prices on Surplus Stocks for Immediate Shipment.

ONION SEED We offer at following special prices what limited surpluses of our pedigree onion seed we have of crop 1907, cash with order, immediate shipment:

	Per lb.
Southport Yellow Globe	$ 1 20
" Red "	1.20
" White "	3.00
Yellow Globe Danvers	1 10
Prize Taker	1.30

Fine stock sweet corn, peas and beans. Trade price list on application.
S. D. WOODRUFF & SONS,
82 Dey St., New York City. Orange, Conn.



ONION SETS.
WE ARE HEADQUARTERS
YELLOW - RED - WHITE
WRITE FOR PRICES.
SEEDS Le nard's Vegetable Seeds Are The Market Gardeners' Standard.
Largest Growers of Peas, Beans, and Garden Seed in the Central West.
Catalogue Now Ready. Send For It.
Leonard Seed Co., - CHICAGO.

The Proposed Pure Seed Act.

A Bill to Regulate Commerce in Adulterated and Misbranded Seed and to Prevent the Sale or Transportation Thereof and for other Purposes, by Representative Mann of Illinois, Introduced January 15, 1908, Referred to the Committee on Interstate and Foreign Commerce and Ordered to be Printed.

This bill (H. R. 15835 of the first session of the 60th congress) introduced by Representative Mann of Illinois, January 15, 1908, was referred to the committee on interstate and foreign commerce and ordered to be printed.

On March 20 the bill was reported with amendments, referred to the house calendar, and ordered to be printed. The text of the bill as amended is as follows:

PAGE 1.

A Bill to Regulate Commerce in Adulterated and Misbranded Seed and to prevent the sale or transportation thereof, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled. That the introduction into any State or Territory or the District of Columbia from any other State or Territory or the District of Columbia or from any foreign country or the shipment to any foreign country of any seed or bulbs adulterated or misbranded, within the meaning of this Act, is hereby prohibited; and any person who shall ship or deliver for shipment from any State or Territory or the District of Columbia to any other State or Territory or the District of Columbia or to a foreign country, or who shall receive in any

PAGE 2.

State or Territory or the District of Columbia from any other State or Territory or the District of Columbia or foreign country, and having so received shall deliver or offer to deliver, in original unbroken packages, for pay or otherwise, to any other person any seed or bulbs adulterated or misbranded within the meaning of this Act, or any person who shall sell or offer for sale in the District of Columbia or any Territory of the United States any such adulterated or misbranded seed or bulbs, or export or offer to export the same to any foreign country, shall be guilty of a misdemeanor, and for such offense be fined not exceeding two hundred dollars for the first offense, and for each subsequent offense not exceeding three hundred dollars, or be imprisoned not exceeding one year, or both, in the discretion of the court. The Secretary of Agriculture shall make uniform rules and regulations for carrying out the provisions of this Act.

SEC. 2. That the term "seed" as used in this Act shall include all vegetable, flower, cereal, grass, clover, forage plant, and other agricultural and horticultural seeds intended for seeding purposes.

SEC. 3. That for the purposes of this Act seeds and bulbs shall be deemed to be adulterated:

First. If seed purporting to be orchard-grass seed contain more than two per centum of seed of rye grass or meadow

PAGE 3.

fescue; if seed purporting to be Kentucky bluegrass seed contain more than two per centum of seed of Canada bluegrass; if seed purporting to be red-clover seed contain more than two per centum of seed of yellow trefoil; if seed purporting to be alfalfa seed contain more than two per centum of seed of yellow trefoil, burr clover, and sweet clover singly or combined; or if any seed or bulbs purporting to be of one kind or variety contain more than two per centum of another kind or variety, such other seed or bulbs being similar in appearance or of lower market value: Provided, That no seed or bulbs shall be deemed adulterated within the meaning of this paragraph when it is accompanied by a statement or label in the form and manner prescribed by the rules and regulations in this Act provided for, giving the name and amount or proportion of each of the kinds or varieties of seeds or bulbs contained therein.

Second. If seed of red clover, alsike clover, alfalfa, or Egyptian clover contain seed of dodder; or if any seed contain weed seed, rendering it unfit for seeding purposes: Provided, That the provisions of this paragraph shall extend only to seed intended or offered for export to or imported from a foreign country.

Third. If any seed or bulbs contain, respectively, dead seed or dead bulbs or any other matter materially reducing the value for seeding or planting purposes: Provided, That

PAGE 4

this paragraph shall extend only to seed and bulbs intended or offered for export to or imported from a foreign country.

Fourth. If there shall be added to seed any weed seed or dead seed or any other matter materially reducing its value for seeding purposes.

SEC. 4. That for the purposes of this Act seed and bulbs shall be deemed to be misbranded:

First. When one kind or distinguishable named variety of seed or bulbs shall be offered for sale under the name of another kind or distinguishable named variety of seed or bulbs.

Second. If in package form, and the contents are stated in terms of weight or measure, they are not plainly and correctly stated.

Third. If the article be falsely labeled or branded as to the State, Territory, locality, or country in which it is raised or produced.

SEC. 5. That no dealer shall be prosecuted under the provisions of this Act when he can establish a guaranty signed by the wholesaler, jobber, or other party residing in the United States from whom he purchases such articles, to the effect that the same is not adulterated or misbranded within the meaning of this Act, designating it. Said guaranty to afford protection shall contain the name and address of the party or parties making the sale of such articles to

PAGE 5

such dealer, and in such case said party or parties shall be amenable to the prosecutions, fines, and other penalties which would otherwise attach in due course to the dealer under the provisions of this Act.

SEC. 6. That the Secretary of the Treasury shall deliver to the Secretary of Agriculture, upon his request, from time to time samples of seed and bulbs being imported into the United States or offered for import, giving notice thereof to the owner or consignee, who may appear before the Secretary of Agriculture and have the right to introduce testimony, and if it appear from the examination of such samples that any seed or bulbs offered to be imported into the United States is or are adulterated or misbranded within the meaning of this Act, or is or are otherwise falsely labeled in any respect, or is or are of a quality forbidden entry into or forbidden to be sold or restricted in sale in the country from which exported, or is or are intended for adulteration purposes, the said seed or bulbs shall be refused admission under such regulations as the Secretary of the Treasury may prescribe: Provided, That the Secretary of the Treasury may deliver to the consignee such seed or bulbs, pending examination and decision in the matter, on execution of a penal bond for double the amount of the full invoice value of such seed or bulbs, together with the duty thereon, and on refusal to return such seed or bulbs for any cause to the custody of the

PAGE 6.

Secretary of the Treasury when demanded, for the purpose of exclusion from the country, or for any other purpose, said consignee shall forfeit the full amount of the bond.

SEC. 7. That the term "Territory" as used in this Act shall include the insular possessions of the United States. The word "person" as used in this Act shall be construed to import both the plural and the singular, as the case demands, and shall include corporations, companies, societies, and associations. When construing and enforcing the provisions of this Act, the act, omission, or failure of any officer, agent, or other person acting for or employed by any corporation, company, society, or association within the scope of his employment or office, shall in every case be also deemed to be the act, omission, or failure of such corporation, company, society, or association as well as that of the person.

SEC. 8. That this Act shall be known, described, and designated as the Pure Seed Act of 1908.

SEC. 9. That this Act shall take effect and be in force upon the expiration of six months after its passage.

NOW READY
1908 EDITION
Trade Directory.

Sweet Peas.

	¼ lb.	lb.	5 lbs.
Black Michael. New; shining reddish maroon, distinct; **oz., 15c**	$ .40	$1.60	$....
Bolton's Pink, new; pink shaded rose, of immense size; **oz., 20c**	.60	....	....
Bridesmaid, this is a deep bright pink	.15	.50	....
Countess of Spencer Hybrids. The new orchid-flowered Sweet Pea, flowers of immense size, of splendid form; color, various shades of pink and rose	.15	.50	....
Countess Spencer Var., new; a lovely clear pink; **oz., 10c**	.35	1.25	....
Dorothy Eckford, one of the best of all the white	.10	.30	1.25
Earliest of All, pink and white	.10	.30	1.20
Earliest of All, "extreme selection," fine, **oz., 10c**	.25	.85	4.00
Evelyn Byatt. Rich fiery orange; very striking and unique	.15	.60	....
Flora Norton. A very bright blue, quite different from other blues, being a brighter blue and clearer color	.10	.25	....
Florence Frazer. An improved Blanche Ferry, with longer stems true to type	.15	.40	1.75
Gladys Unwin. new orchid-flowered, the finest pink in existence; **oz., 10c**	.30	1.00	....
Helen Lewis. Very large, bright orange-salmon flowers; usually four on a stem; **oz., 10c**	.25	1.00	....
Henry Eckford, new, fine salmon-orange, self; needs protection from the sun; **oz., 10c**	.25	1.00	....
Hon. Mrs. Kenyon, the best yellow	.15	.40	....
John Ingman. New; rich salmon rose	.15	.60	....
Katherine Tracy, soft but brilliant pink	.10	.25	1.10
King Edward VII. The best of the dark red	.15	.50	....
Lady Grisel Hamilton, the best of all lavender sorts	$ .10	$ .30	$1.35
Mrs. Alfred Watkins, superb pale pink; **oz., 50c**	1.75	6.00	....
Mrs. Geo. Higginson, Jr., a clear delicate light blue showing practically no tint of mauve	.10	.30	1.40
Mrs. Walter Wright, one of the best and largest of the lavenders	.15	.40	....
Navy Blue, deep violet-blue	.10	.25	1.10
Nora Unwin, the best white; **oz., 50c**	1.75	6.50	....
Phenomenal, new; white tinged lavender; **oz., 10c**	.35	1.25	....
Phyllis Unwin, new; deep rosy carmine, self, giant flower (Countess Spencer type); **oz., 10c**	.25	1.00	....
Prima Donna, soft pink	.10	.25	1.15
Queen Alexandra, new; giant size, best scarlet; **oz., 10c**	.25	1.00	....
Shasta, new giant-flowered white. Bears mostly four blossoms to the stem, usually facing one way and the stems are long and stout	.20	.80	....
White Spencer, new, fine; **pkt., 17c.; 5 pkts., 75c.**			
White Wonder, pure white, of the largest size	....	....	....

Vaughan's "Prize" Mixture.—This mixture contains the cream of the new standard sorts. It is made up entirely of new and separate colors, carefully proportioned as to its composition, and we can safely say, **"There is no better mixture in existence." ¼ lb., 15c.; lb., 40c.; 5 lbs., $1.75.**

Vaughan's Florists' Mixture.—This mixture, which is made up by ourselves from separate colors, carefully proportioned of the best cut-flower sorts and colors. **¼ lb., 10c.; lb., 30c.; 5 lbs., $1.25; 10 lbs., $2.25.**

VAUGHAN'S SEED STORE,

14 Barclay St., NEW YORK. 84 and 86 Randolph St. 206-208 W. Randolph St., **CHICAGO.**

SPECIAL OFFER

Lilium Auratum — Per 100 — Per 1.000
11 to 13, - - - - $4.00 $35.00

Double Begonia Bulbs
under color, - - - 3.00 25.00

V. H. HALLOCK & SON,
QUEENS, NEW YORK.

C. C MORSE & CO.,

SEED GROWERS,
Address all communications to our permanent address
48 to 56 Jackson St., SAN FRANCISCO.
ONION, LETTUCE, SWEET PEAS. and other California Specialties.

Seed Beans

F. L. HOGUE,
CARPINTERIA, CAL.,
Grower for the Wholesale Trade only.

Don't Forget!

TO WRITE US
For Prices on any thing in our Line.

St. Louis Seed Co.
"The Home of Pure and Sure Seeds."
784-786 N. 4th St. St. Louis, Mo.

Tuberose Bulbs

GENUINE MEXICAN
EVERBLOOMING

1st size,.....$8.00 per 1000
2nd size..... 6.00 per 1000

FURROW & CO.
Guthrie, Oklahoma.

FISKE SEED CO.

Can supply new, fresh seed to the florists for immediate use.
ASTER SEED A SPECIALTY.
Special florist list free.
H. E. FISKE SEED CO.,
12 and 13 Faneuil Hall Sq., BOSTON, MASS

ASTER SEED

Our descriptive price list of High Grade Aster Seed is now ready, and will be sent free on application.

It will soon be time to sow your main crop of Aster Seed. Give our strain a trial. None better.

"Pointers on How to Grow Asters Successfully" sent free with every order.

VICK & HILL CO.
P. O. Box 613, Rochester, N. Y.

ANTON C. ZVOLANEK,

WINTER
SWEET PEA
ORIGINATOR.
BOUND BROOK, NEW JERSEY.

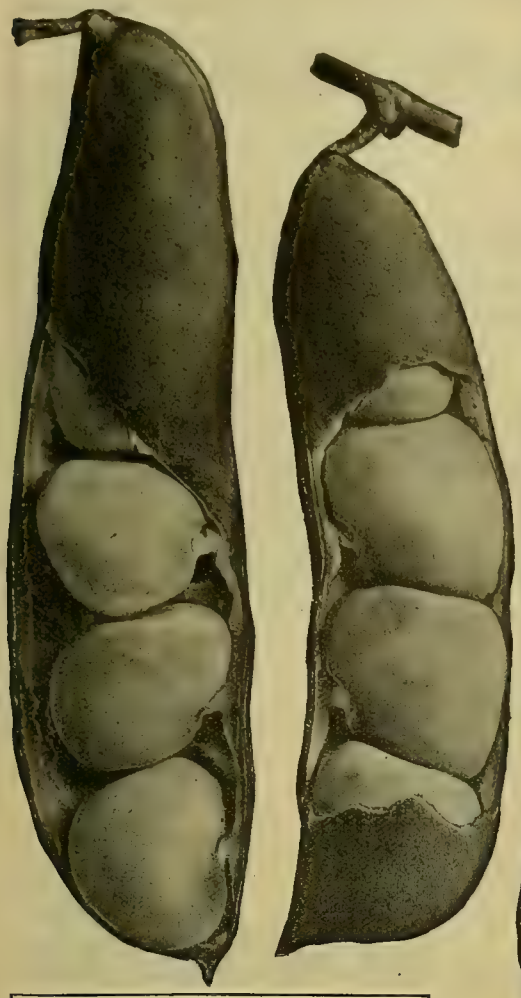
QUALITY SEEDS BULBS PLANTS

SEND FOR CATALOGUE.
ARTHUR T. BODDINGTON
342 West 14th St., New York.

ESTABLISHED IN 1824.
Bridgeman's Seed Warehouse

RICKARDS BROS., Props.,
37 East 19th St., bet. Broadway and 4th Ave., **New York**
Telephone: 4235 Gramercy.

IN the homeward cross continent race of the California seed growers this week C. R. Kimberlin is reported in the lead at Cheyenne, A. J. Pieters a fairly close second, just leaving Rocky Ford, Farmer C. P. Braslan refilling his gasoline tank at Chicago, a distinct third, but still in the money.



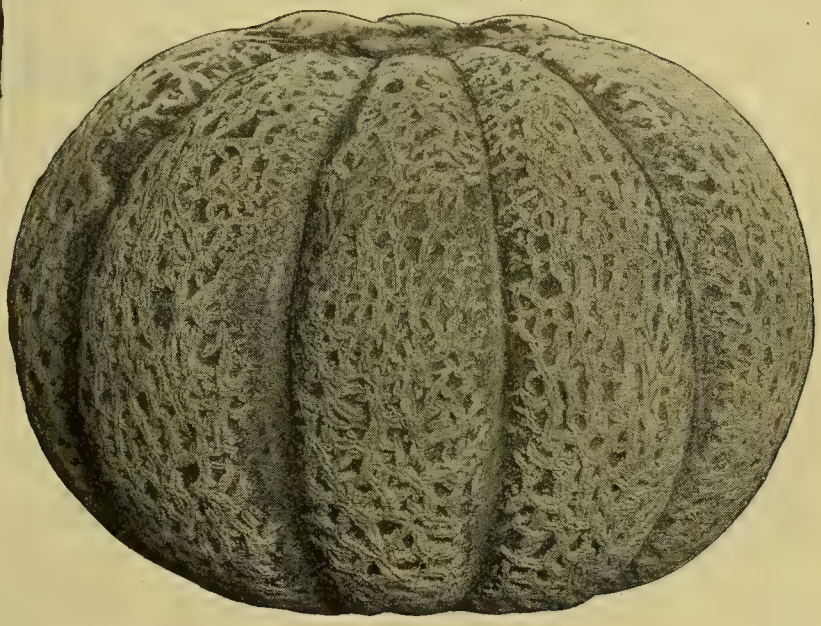
Fordhook Bush Lima Bean.

The only stiffly erect Bush form of the popular "Potato" Lima. Both pods and beans are twice the size of Dreer's Bush Lima and more than half again as large as the Challenger Pole Lima.

Fordhook Bush Lima is altogether unique. Nothing like it has ever been seen before! Of strong erect true bush-like growth (never prostrate or running), the bushes average twenty to thirty inches in height by twenty to twenty-four inches across the top. The foliage is of heavy texture and very dark green in color.

Like **Burpee's Bush Lima,** the stalks that produce the blossoms are thrown out from the lateral and main stalks; the pods are borne in "clusters" of from four to eight. The pods resemble those of the **Dreer's Bush Lima,** but average **more than double the size,** measuring from four to five and one-half inches long, about one and a quarter inches wide, by as much as three-quarters of an inch thick. The pods contain three to five large beans with an average of four.

Fordhook Bush Lima is fully thirty-three and one-third per cent. a heavier cropper and, therefore, bound to entirely displace the **Kumerle** (Dreer's or Thorburn's) **Bush Lima.** In season it is from four to six days earlier. **Per pkt. 10c. net; ¼-pint 30c.; ½-pint 55c.; per pint $1.00.**



Burpee's Fordhook Musk Melon.

Fully equals our Emerald Gem in delicious flavor. So firm is the rough-netted skin, and so solid the thick salmon flesh, that the melons carry to market even better than do Burpee's Netted Gem,—the famous "Rocky Ford" Melon.

Fordhook Melon resembles the **"Improved Jenny"** in form; it is equally as roughly netted, while the skin showing between the netting, is emerald-green. The flesh is very thick, of an attractive deep salmon color and surpassingly sweet to the very rind. It is fully equal in flavor to the **Emerald Gem.** The beautiful salmon flesh, while so surpassingly luscious, is not only very thick, but also extremely solid. The rind, although thin, is unusually firm, so that the fruits carry well to market.

Fordhook Melon is most vigorous in growth, very early and extremely prolific. The fruits are ready for market fully as early as the green-fleshed **Early Jenny Lind.** The vines grow vigorously and each vine sets from five to nine melons immediately around the stem; frequently the fruits touch one another. The melons are remarkably even in size, weighing from 1 lb. 8 oz. to two pounds each. They are always of the handsome form and attractive appearance illustrated above. "FORDHOOK" is so **"thoroughbred"** that there are practically no fruits unfit for market. On page 43 of our **"Blue List"** we print letters from the originator and several others, all uniting to prove that this unequaled new melon is well worthy of the name FORDHOOK to emphasize that it is **"Burpee's Best" Cantalope.**

Per pkt. 10c. net; ¼ oz. 25c., ½-oz. 40c.; per oz. 75c. Postpaid.

☞If not already received, **write TODAY for**

BURPEE'S "BLUE LIST" for 1908

Most Complete of all Wholesale Seed Catalogs.

Burpee's Seeds Grow!

And the **Burpee Business Grows!**

Last year (our 31st) we sold more seeds than ever before in any one year and in 1908 we shall sell even more. You will understand "the reason why" when you read

Burpee's New Farm Annual For 1908

REGISTERED WAB TRADE MARK "THE SEAL OF QUALITY"

This complete book bound in lithographed covers and containing also six superb colored plates painted from nature, is YOURS for the asking—provided you have a garden and will mention where you saw this advertisement. It is an elegant book—the best seed catalog we have yet issued—and offers some most remarkable "NEW CREATIONS" in Vegetables and Flowers, which can be obtained only *direct from us.* Many a winter's evening can be spent profitably in planning your garden, by a careful study of this book. Shall we send you a copy? If you appreciate *Quality in Seeds* you will say *Yes!* If so, **write to-day**—do not put off and possibly forget until it is too late!

W. ATLEE BURPEE & CO.
The Largest Mail-Order Seed House,
Burpee Building, Philadelphia

Catalogue Advertising.

The problem of how to get the seedsman's catalogue into the buyer's hands is apparently becoming more difficult each year. The mail order seedsman or plantsman must make his advertisement so attractive that every dollar spent in the newspapers or magazines shall bring him enough inquiries from real buyers to pay the cost of the advertisement. There are two plans in general use: The first, to get the reader simply to order the catalogue; the second, to make some bargain offers with the catalogue, the sales of which will help pay expenses. Those houses which include in their advertisements a bargain offer of some kind do so, of course, in the hope that by this method they make a slight profit towards paying for the advertisement and the catalogue out of the direct sales from the advertisement. Below are some samples of offers that are being made this year on the first plan, namely, the placing of the seed catalogue in the buyer's hands free of all cost to him:

Montgomery Ward & Co. offer 200 seeds of a new tomato and catalogue all free on postal request.

Emma V. White, a coupon for five packets of flower seeds and catalogue all free.

The Storrs & Harrison Co. free catalogue but no premium.

German Nurseries, packet of tomato seed with catalogue, free.

Wm. Elliott & Sons, send five packets seeds free with the catalogue free of postage.

Geo. W. Park gives floral guide, "gift package" and five packets flower seed free on letter request.

The Iowa Seed Co. offers 50 seeds Victoria aster and catalogue for postal request.

Of those who aim to make direct sales from advertisements the following are indicative of the kind of a bid the present day mail order seedsman must make to get direct business:

The Livingston Seed Co. offers five packets Giant pansies, all different, with catalogue for 10 cents, three sets for 25 cents.

The Holmes Seed Co. offers 10 packets with catalogue for 10 cents.

James Vicks' Sons give with catalogue four packets flower seeds or five packets vegetable seeds for 10 cents.

The Geo. H. Mellen Co. prepays six roses with catalogue for 25 cents.

The Great Northern Seed Co., Rockford, Ill., offers 81 varieties of vegetables and flowers with catalogue for 10 cents.

The Good & Reese Co., the Springfield, O., rose growers, offer a number of collections of plants, seeds and bulbs, but none less than 50 cents. This firm's catalogue is free.

For a 2-cent stamp a Pennsylvania woman offers to send one packet of aster seed and her course "Success with Flowers," by which $5 to $25 per week can be earned by anyone near a large town.

The Dingee & Conard Co. advertises a "dollar bill" rose offer, while the Conard & Jones Co., like the Good & Reese Co., is satisfied if it sells 50-cent collections.

Free Seeds.

We, together with many other citizens of the county, are under great obligations to Hon. Carter Glass, M. C., for five packages of government seed of the following very valuable garden truck: One tomato, one radish, one lettuce, one carrot and one parsnip, neither of which are worth planting, even if they would produce a crop without work. No sane man can understand why our great government continues to make a —— fool of itself in continuing this free seed nonsense.—Houston Record-Advertiser.

Canary Islands Onion Seed

BERMUDA, Red and White. Also **CRYSTAL WAX.**
Choicest Seed at Moderate Prices
We don't sell direct to truckers.
Kuhner, Henderson & Co., TENERIFFE, CANARY ISLANDS.

LAWN GRASS SEED in Bulk and Packages
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MINNEAPOLIS **THE ALBERT DICKINSON CO.** CHICAGO

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Write for samples and prices
Seed Potatoes, Red River Stock.....
VAUGHAN'S SEED STORE, Chicago.

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200 lbs. White Portugal Onion Seed 1908 Crop.
Address with price and growth test,
Key 479, care American Florist.

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Growers for the Wholesale Trade Only.
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CAULIFLOWER and CABBAGE SEED

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SPECIALTY GROWERS.
Purest Strains GARDEN PEA and BEAN SEED.
For the Wholesale Trade. ALPENA, MICH.

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Wholesale Bulb Growers and Dealers.
OVERVEEN. HAARLEM. HOLLAND.
Headquarters for High Grade Hyacinths, Tulips and Narcissi. We do not sell at Retail. Write for special quotations on large quantities.

PROCEEDINGS
Of the Congress of Horticulture held at the Jamestown Exposition, September 23, 1907,
Linen Bound. 108 pages. Price, 25c.
This publication includes the formal addresses and discussions of the papers read at the meeting which covered the various phases of Horticulture. This meeting was pronounced by Horticultural authorities as one of the greatest Horticultural meetings ever held in a single day,
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H. C. IRISH, Sec'y,
National Council of Horticulture, Missouri Botanical Garden, **St. Louis, Mo.**

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HILLEGOM, HOLLAND.
Wholesale growers of the leading sorts of Hyacinths. Tulips, Narcissus. Crocus, Spiræas, Gladiolus, Pæonies, etc., etc. We further ask your attention to our superior quality and special prices of French Bulbs, Roman Hyacinths, Paper White Gr., etc. Ask quotations from our traveler
MR. G. HYLKEMA,
care of Messrs. Maltus & Ware,
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Who will also send you, on demand, catalogue and special prices of all
HOLLAND BULBS AND PLANTS.

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Wholesale Seed Grower
Specialties: Lettuce, Onion, Sweet Peas, Aster Cosmos, Mignonette, Verbena, in variety.
Correspondence solicited.

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SEND FOR BOOKLET.
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AMERICAN FLORIST CO., CHICAGO.

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Grandiflora Alba, the largest giant White grown. See block 1 year old plant.

Mont Blanc, certificate at R. H. S.
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Duke of Life, certificate at R. B. S.
Brilliant, certificate at R. B. S and C. P.
Sunray, giganteum variety, fine.

Full list of varieties sent on application.

PRIMULA SINENSIS,

These are in seven DISTINCT colors.

We can serve you well. Special attention given to the correct fertilization of **all** seed blooms.

ST. GEORGES NURSERY CO.,

Floricultural Seed Growers for the Trade

Terms net cash with order.
Lists and quotations free.

HARLINGTON, Middlesex, ENG

MARKET GARDENS.

HAVE the ground thoroughly warmed up before sowing small seeds or the weeds get started early and the crop comes in a poor second.

BOSTON, MASS.—About 120 members of the Market Gardeners' Association were entertained, March 14, by President W. W. Rawson, at his home in Arlington. In the forenoon the visitors inspected the buildings and greenhouses. After dinner Secretary J. B. Shurtleff spoke on "Farming in California"; Prof. H. F. Thompson of Amherst College, read a paper on "Manure as a Fertilizer, and Its Effect on Market Gardening." W. F. Rane, state forester, and H. M. Howard of the state board of agriculture, also spoke.

Notes in Season.

With the approach of spring the regular routine of a commercial place is easily upset. So many things crowd up for attention and action is so urgent, that good management is required to make the best of things. It is generally conceded that overtime does not pay. If short handed it is better to pay another man than wear out the regular help, while if overtime is not paid for the force will quickly get dissatisfied and make it felt sooner or later. There are two ways of overcoming this spring rush—preparation and extra help. It is too late for preparation now but make notes what to do another season and get the extra help at once if needed. To do this to best advantage, let the new comer do the rough work, such as digging, shoveling, wheeling of material, etc., and give the regular help a move to better work which they appreciate. Extra help at this time often pays big dividends.

A mistake easily made is to let temperatures run up in the morning, which is disastrous. Early ventilation gives best results. Another cause of trouble is trying to run with closed houses and no heat. Let the rule be either some air on or some heat. If the outdoor temperature runs high for a week, and the change comes, do not drop houses back from a night temperature of 65° to 40°, as this means standstill of crops; rather reduce a few degrees each day until to normal again. Last spring, during the warm spell in March, crops were thus softened and the following long cold wave caused a universal scarcity, from lettuce to roses and carnations. In many places a judicious use of extra heat would have overcome this. MARKETMAN.

Prices of Indoor Vegetables.

The prices of indoor vegetables at leading points March 21 were as follows: New York, cucumbers, No. 1, $1 to $1.50 per dozen; No. 2, $3 to $4 per box; lettuce, 25 cents to 75 cents per dozen; mushrooms, 25 cents to 50 cents per pound; mint, 20 cents to 30 cents per dozen bunches; radishes, $2 to $4 per 100 bunches; tomatoes, 15 cents to 25 cents per pound. Chicago, cucumbers, $1.35 to $2 per dozen; radishes, 15 cents to 30 cents per dozen bunches; mushrooms, 25 cents to 50 cents per pound. Cincinnati, cucumbers, $1.50 to $1.75 per dozen; mushrooms, 40 cents to 50 cents per pound. Pittsburg, cucumbers $13 to $15 per box. St. Louis, cucumbers, $1 to $1.50 per dozen. Boston, tomatoes, 30 cents to 40 cents per pound; cucumbers, $8 to $10 per box.

TO THE TRADE

HENRY METTE QUEDLINBURG, GERMANY.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: **Beans**, Beets, Cabbages, **Carrots**, Kohl Rabi, Leek, Lettuces, **Onions**, **Peas**, **Radishes**, Spinach, Turnips, Swedes, **Asters**, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspurs, Nasturtiums, **Pansies**, Petunias, Phloxes, Primulas, Scabious, **Stocks**, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, mixed), the most perfect and most beautiful in the world, $5.00 per oz.; $1.50 per ¼ oz.; 75c per 1-16 oz. Postage paid, Cash with order.

All seeds offered are grown under my personal supervision on my own grounds of more than 3,000 acres, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

List of my novelties in flower seeds for 1908 sent on application.

Vegetable Plants.

	Per 100	1000
Tomato, Mayflower, Lorillard, Earliana, Early Jewel, Early June Pink	$0 30	$2.00
Beets, Egyptian and Crosby's	.20	1.25
Celery, White Plume and Golden Self Blanching	.20	1.25
Parsley, Moss Curled	.30	2.00
Cauliflower, Early Snowball	.50	
Lettuce, Grand Rapids		1.00
Pepper and Egg Plants, ready for transplanting	.40	2.00

R. VINCENT, Jr. & SONS CO.,

WHITE MARSH, MD.

VEGETABLE SEEDS

SOW NOW.

	Per ¼ lb.	Per lb.
Lettuce, Grand Rapids Forcing	$ .30	$1.00
May King	.40	1.25
Cucumber, Evergreen White Spine	.25	.75
Davis Perfect	.35	1.25
Radish, Vaughan's Cardinal Forcing	.40	1.50
Improved Scarlet Globe	.25	.70
20 Day Forcing	.20	.60
Scarlet Globe White Tip	.20	.60
Tomato, New Globe	.75	3 00
Comet ..... pkt., $ .25		
Sunrise ..... pkt., .25		
Cauliflower, Earliest of All ..pkt., $ .25; oz.,		$2.50

Vaughan's Seed Store, CHICAGO. NEW YORK.

FLORISTS have a splendid opportunity of raising **Mushrooms** by utilizing the **waste space** under the benches, and then utilizing the **waste material** of expended mushroom beds in growing flowers. **Lambert's Pure Culture MUSHROOM SPAWN**, the best spawn in the market, is sold by all leading seedsmen. A fresh sample brick, enough for a trial bed, together with illustrated book on "Mushroom Culture" will be mailed postpaid upon receipt of **40c** in postage stamps. Address **American Spawn Company, St. Paul, Minn.**

The Nursery Trade

American Association of Nurserymen.
J. W. Hill, Des Moines, Ia., President; C. M Hobbs, Bridgeport, Ind., Vice-President; George C Seager, Rochester, N. Y., Sec'y.
Thirty-third annual convention to be held at Milwaukee, Wis., June, 1908.

VISITED CHICAGO: H. C. Phillip, of Chase Bros., Rochester, N. Y.

SYRACUSE, N. Y.—Geo. E. Kessler's salary as landscape architect to the park commission has been fixed at $2,000 per year.

THE oriental plane is a splendid street and park tree. During the recent ice storm in Illinois and vicinity this tree appears to have suffered less than almost any other, while it is beautiful summer or winter.

NEWARK, N. J.—The board of works is adding 50,000 trees and 4,000,000 seedlings to the forestry reservation in the Pequannock watershed. Hardwoods were first proposed but pines and other conifers will be most largely planted.

SEATTLE, WASH.—The Puget Sound Nursery & Seed Co. states that its business is fairly good at the present time. Two carloads of nursery stock were received from Europe a short time ago and another is expected in a few days.

SALT LAKE CITY, UTAH.—J. Edward Taylor, secretary of the State Board of Agriculture, reported at the annual session of the board that an increasing interest has been noted during the past year in fruit growing all over the state.

AN English magistrate recently imposed sentence on a school boy who had damaged a tree belonging to the Ealing corporation. He ordered the boy to provide another tree, and plant it himself. This seems a thoroughly practical way to make the punishment fit the crime.

THE twenty-fifth annual report of the Minneapolis Board of Park Commissioners is a neatly got up book of 84 pages well illustrated with fine reproductions of pretty scenes in the various parks, the front cover picture being a charming view on Minnehaha parkway. There are also well executed plans of the various parks and much interesting reading matter.

AN American correspondent to one of the trade papers in England points out the weaknesses of the American Gooseberry Mildew act, noting the fact that any other tree or bush may be sent from this side even if grown alongside diseased gooseberry bushes or packed in material that may have wrapped diseased bushes. The writer instances this as "an interesting bit of red tape."

DALLAS, TEX.—Howard Evarts Weed of Chicago gave an interesting address here recently, advising the use of shade trees and saying that it was not enough to go to the woods and get a native tree and plant it in a hole in poor hard soil, but to obtain a properly grown tree from a nurseryman and dig a good hole for its reception. He spoke highly of the cleaning up campaign and urged its continuance here as well as in other cities.

Hydrangea Bretschneideri.

The late Dr. Bretschneider was for many years a member of the Russian legation at Pekin, China. He was a man of profound learning, and a most industrious botanist, and was held in high estimation by Dr. C. S. Sargent of the Arnold Arboretum, Harvard University. About 30 to 35 years since he sent a number of seeds collected from plants in the mountains and valleys around Pekin, to Dr. Sargent. A number of the plants raised from these seeds turned out to be important new shrubs and trees, for park and garden decoration. Perhaps the most valuable amongst them was the subject of this note—Hydrangea Bretschneideri.

It forms a spreading bush from four to six feet in height. The cymose clusters are produced from the ends of the branches and branchlets of the previous year's growth. The sterile, four petaled flowers around the outer edge of the clusters are very showy, and, when in bloom, a well developed bush presents a very ornamental appearance. It comes into bloom about the middle of June, and continues to make a good display until July. The faded flower clusters assume a pinkish tinge and are quite attractive throughout the season. It is perfectly hardy here and, considering that it is found native in northern China, Manchuria and Mongolia, it should prove hardy pretty well north. As most of the hydrangeas flower late in the season, H. Bretschneideri, flowering as it does in June, is a most important acquisition to the genus. It has been sent out from European nurseries under the name of H. Pekinensis, and it was known under the name of H. vestita var. pubescens, Maxim, for a number of years.

JOHN DUNBAR.

HYDRANGEA BRETSCHNEIDERI.
Growing in Highland Park, Rochester, N. Y.

AZALEAS (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.
Jacs Smits, Ltd. NAARDEN, (Holland.)
Price list free on demand.

BOBBINK & ATKINS,
Rutherford, N. J.,
Bay Trees, Palms, Buxus, Azalea indica, Rhododendrons, Evergreens, Herbaceous Plants, Roses, Trained Fruit Trees, Greenhouse Grape Vines. Ask for catalogue.

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Surplus Shipping List
NOW OUT.
Send for one. Low prices. Fine stock.
PETERSON NURSERY,
Lincoln and Peterson Avenues, CHICAGO.

The True Amoor River Privet
Ligustrum Amurense
2½ to 3 feet, strong, field-grown plants, any quantity, $25.00 per 1000.
California same size and price.
Peter's Nursery Co., Knoxville, Tenn.

Alpine and Rock Plants
Gentianas—Acaulis, verna, Edelweiss, 10 other plants, $8.00 including postage; 600 varieties. Send for catalogue.
— Cash with order.—
ENGLISH HOME OF ALPINE PLANTS,
South Pool, Kingsbridge, Devon, England.

Grand Rapids Nursery Co.,
Grand Rapids, Mich.
Choice Hardy Michigan Trees, Shrubs, Fruit Trees and Small Fruits.
LANDSCAPE WORK A SPECIALTY.
Chicago Agent: J. A. SELLARS,
409 W. Van Buren Street.
Residence, 494 Douglas Boulevard.

LARGE TREES.
OAKS and MAPLES.
PINES and HEMLOCKS.
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA

Hardy Roses for the Garden

STRONG FIELD-GROWN PLANTS

The roses here offered are extra strong two-year-old field-grown blooming plants, which if planted early, will give a large number of flowers the first year. They can be planted as early in the spring as the frost is out of the ground, and from that time until about the first week in May. We offer a grand collection of the best and choicest varieties, as follows:

HYBRID PERPETUAL OR JUNE ROSES

Frau Karl Druschki, Marchioness of Londonderry, Capt. Hayward, Mrs. R. G. Sharman-Crawford, Ulrich Brunner, Margaret Dickson, Baron de Bonstetten, Paul Neyron, Gen. Jacqueminot, Magna Charta, Mrs. John Laing, Mme. Gabrielle Luizet, Marshall P. Wilder, Gloire de Paris, Baroness de Rothschild, Prince Camille de Rohan, Fisher Holmes, Alfred Colomb, Soleil d'Or, Persian Yellow, Moss Roses, Rugosa alba and rubra, etc.

MONTHLY AND HYBRID TEA ROSES

Etoile de France, Killarney, Mme. Abel Chatenay, Countess of Gosford, Koenigen Carola Perle von Godesberg, Gruss an Teplitz, Maman Cochet, White Maman Cochet, Belle Siebrecht, Hermosa, Mme. Caroline Testout, Souv. de Pres. Carnot, Kaiserin Augusta Victoria, American Beauty, La France, Clothilde Soupert, Prince de Bulgarie, Mme. Norbert Levavassuer (Baby Rambler), Anny Muller (Pink Baby Rambler), Catharine Ziemet (White Baby Rambler), etc.

In Climbing Roses we have a nice stock of Crimson Rambler, Lady Gay, Dorothy Perkins, Dawson, Gardenia, Tausendschon, etc.

Let us know the quantity you want and varieties, and we will be glad to quote lowest prices on same by return mail.

F. R. PIERSON CO., Tarrytown-on-Hudson, NEW YORK

PETER LAMBERT

Trier (Germany).

The Best 30 New Roses For 1908

(EXPORT.)

Grossherzog, Friedrich, Frau Rose Benary, Friedrichsruh, Reichskanzler, Lyon Rose, Frau Staub, Mrs. V. Tienhoven, etc.

NEW LIST ON APPLICATION.

For Autumn:
Enormous quantities field-grown roses.

HARDY FRUIT AND ORNAMENTAL TREES,

SHRUBS, ROSES, VINES AND PERENNIAL PLANTS.

MAY'S SEEDS FOR THE NORTHWEST

FOR FLORISTS' TRADE. Write for Price List.

We make a specialty of furnishing nursery stock to Florists for planting or supplying their trade, also seeds put up in packets or in bulk.

"MOST NORTHERN NURSERIES IN AMERICA"

L. L. MAY & CO., ST. PAUL, MINN.

Denver.

Unless the heirs of Walter S. Cheesman materially increase their $100,000 donation for the beautifying of Congress park as outlined in the plans of George E. Kessler, the landscape artist, Italian gardens and ornamental buildings, practically demanded by the Cheesmans in consideration of the donation, will have to be to such an extent that the beauty scheme will be scarcely more than an apology for Italian art.

Months ago the park board ordered the Kessler plans revised so as to come within the $100,000. This revision was intrusted to Architects Marean and Norton, when the mayor announced that the Cheesmans would not add a penny to the fund already given. The estimated cost of carrying out the Kessler plan was given as $175,000. The Marean and Norton revision, Mr. Kessler has informed the park board, will cost more than $100,000.

Kessler had intended to present the estimated cost of improvements according to the revised plans, to the park board March 17. But the price of marble demanded as the basis of construction by the Cheesmans is high. Mayor Speer and Kessler, assisted by experts, will now attempt to figure the cost down to $100,000.—Denver News.

Hardy Roses

American Grown—Superior to Imported

We have unsold at the present time the following varieties—**all field grown plants,** grown in our nurseries at Rochester, N. Y.:

Anne de Diesbach	Prince Camille
Clio	Ulrich Brunner
Frau Karl Druschki	Crimson Rambler
General Jacqueminot	White Rambler
John Hopper	Yellow Rambler
Mme. G. Luizet	Philadelphia Rambler
Marshall P. Wilder	Common Sweet Briar
Mrs. John Laing	Mme. G. Bruant
Paul Neyron	Wichuriana (The Type)

These plants are in our storage cellars and can be shipped at any time. Prices on request.

ELLWANGER & BARRY

Nurserymen—Horticulturists

Mount Hope Nurseries, Rochester, N. Y.

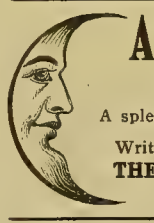
AZALEA AMOENA.

Largest stock in this country at low prices.

Write us for sizes and prices.

Roses 6000 Roses in variety No. 2 light own roots or budded at $35.00 per 1000. List of varieties on application.

THE ELIZABETH NURSERY CO.,
ELIZABETH. - NEW JERSEY.



ARBOR VITÆ

(Thuya Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.

Write for descriptions and prices.

THE WM. H. MOON CO.,
Morrisville, Pa.

Always mention The American Florist when you order stock. : : : :

Grafted Roses

FOR FORCING.

Bride, Kaiserin, Richmond,
Bridesmaid, Killarney, Wellesley,

$12.00 per 100; $100.00 per 1000.

JACKSON & PERKINS COMPANY

WHOLESALE FLORISTS AND NURSERYMEN,

Newark, Wayne County, **New York.**

TAUSENDSCHON.

or in English, **THOUSAND BEAUTIES,** is the sensational new Climbing Rose of the year. Every florist should have it. Is not excelled for forcing purposes and for general planting by any Climbing Rose now known, **not even barring Crimson Rambler.** This is the coming forcing Rose. Get your stock early. It is beautifully illustrated in ten colors and gold in **Our New Guide to Rose Culture,** for 1908 the Leading Rose Catalogue of America. Copy free for the asking.

Strong plants of Tausendschon from 3-in. pots, 10 for $1.50; $12.00 per 100; $100.00 per 1000.

Single Hyacinths, all the leading named varieties King of the Blues, Czar Peter, Norma, etc., $3.00 per 100

Single Hyacinths, all colors mixed, $2.00 per 100.

Double Named Hyacinths, Goethe, Lord Raglan, Pure d'Or, Blolksbergeb, etc., $3.00 per 100.

Crocus, Named Varieties, $3.00 per 1000; Mixed Yellow, Mixed Purple and Blue, $2.50 per 1000.

Dahlias, all the leading varieties $45.00 to $50.00 per 1000. Send for list.

Cannas, all the leading varieties $10.00 per 1000 and upwards. Ask for list.

Rex Begonias, largest and cleanest stock in the country. $5.00 per 100; $45.00 per 1000

The Dingee & Conard Co., West Grove, Pa.

Mrs. Potter Palmer

2½-in., $15.00 per 100; $125.00 per 1000; 3½-in., $150.00 per 1000,

	R. C. per 1000	2½-in. per 100	2½-in. per 1000	3½-in. per 1000
American Beauties	$30.00	$3.50	$60.00	$80 00
Maids, Brides		4.50	40.00	60.00
UncleJohn		4.50	40.00	60.00

Cardinal

2½-in., $15.00 per 100; $125.00 per 1000; 3½-in., $150.00 per 1000.

	R. C. per 1000	2½-in. per 100	2½-in. per 1000	3½-in. per 1000
Chatenay		4.50	40.00	60 00
Perles		5.00	45.00	65.00
Sunrise		5.00	45.00	
Kaiserin	18.50	4.50	40.00	60.00

CARNATIONS.

	Rooted Cuttings per 100	per 1000
White Lawson	$2.00	$20.00
Pink Lawson	2 00	20.00
Variegated Lawson	2.20	20.00
Victory	3 00	25.C0
Winsor	5.00	45.00
Rose Pink Enchantress	3.00	25.00
Enchantress	3.00	25 00
White Enchantress	5.00	45.00
Aristocrat	5.00	45.00
White Perfection	4.00	35.00

We have an exceptionally large stock of the Lawsons, Victory, and Winsor.

Asparagus Plumosus, 6-in. stock for benching. $15.00 per 100; $125.00 per 1000.

Chrysanthemums in season. Price list mailed on application.

POEHLMANN BROS. CO., Morton Grove, Ill.

INDIANAPOLIS, IND. — The Indiana Horticultural Society, instead of holding its summer meeting at the state house as heretofore, will hold a camp meeting August 19 and 20, at Mitchell, where the society's experimental orchard of 20 acres is located. Tents will be erected and the sessions will be held in the orchard where the members may get the practical benefit of the work that has been done. Lectures will be delivered with the means of practical illustration at hand. The Department of Agriculture will send at least three experts to the meeting. Joe A. Burton is superintendent of the orchard. Twelve hundred seedling trees are growing at the orchard, besides 300 trees for testing growth. Two hundred trees of new varieties have been planted also for experimental work.

NEW NEW

RAMBLER ROSE

"NEWPORT FAIRY"

To be disseminated Spring 1908. Ask for illustrated pamphlet and prices.

JULIUS ROEHRS CO., Rutherford, N. J.

ENID, OKLA.—Spring is on to the full down here, writes Percy C. Cowan, with business very good and splendid prospects for the coming year. We do not know what hard times are in fair Oklahoma, while we are discovering that we can grow many unthought of crops and in some ways outrival even California.

ROSES

On Own Roots, Summer Grown, Winter Rested, Strong and Healthy.

HYBRID PERPETUALS.

	2½-in. 100	2½-in. 1000	4-in. 100
Anna de Diesbach	$3.50	$30.00	$8.00
Ball of Snow	3.50	30.00	8.00
Coquette des Alpes	3.50	30.00	8.00
Dinsmore			8.00
Francois Levet	3.50	30.00	8.00
Frau Karl Druschki	7.00	60.00	15.00
General Jacqueminot			8.00
Giant of Battles	3.50	30.00	8.00
Gloire Lyonnaise	3.50	30.00	8.00
Hugh Dickson	8.00	75.00	15.00
John Hopper			8.00
Jubilee			8.00
La Reine	3.50	30.00	8.00
Madame Masson	3.50	30.00	8.00
Madame Plantier	3.50	30.00	8.00
Magna Charta			8.00
Margaret Dickson	4.00	40.00	9.00
Mrs. John Laing	3.50	35.00	8.00
Paul Neyron	3.50	30.00	8.00
Prince Camille de Rohan			8.00
Roger Lambelin	3.50	30.00	8.00
Vick's Caprice	3.50	30.00	8.00

POLYANTHAS.

	2½-in. 100	2½-in. 1000	4-in. 100
Anny Mueller (Pink Baby Rambler)	$5.00	$45.00	
Clothilde Soupert	3.00	25.00	$8.00
Mme. Norbert Levavasseur, (Crimson Baby Rambler)	3.00	25.00	8.00
Moscila	3.00	25.00	8.00
Hermosa (Bourbon)	3.00	27.50	8.00
Mrs. Degraw (Bourbon)	3.00	27.50	8.00
Souv. de la Malmaison (Bourbon)	3.00	27.50	8.00
Conrad F. Meyer (Hybrid Rugosa)	4.00	40.00	
Gruss an Teplitz (Hybrid Bengal)	3.00	27.50	8.00
Queen's Scarlet	3.00	25.00	8.00

HARDY CLIMBERS AND RAMBLERS.

	2½-in. 100	2½-in. 1000	4-in. 100
Baltimore Belle	$3.00	$25.00	$8.00
Climbing Clo. Soupert	3.00	25.00	
Crimson Rambler	3.00	25.00	7.00
Debutante	3.00.	25.00	8.00
Dorothy Perkins	3.00	25.00	8.00
Hiawatha	3.00	27.50	8.00
Lady Gay	3.00	27.50	
Manda's Triumph	3.00	25.00	8.00
Philadelphia Rambler	3.00	25.00	
Pink Rambler (Euphrosyne)	3.00	25.00	8.00
Prairie Queen	3.00	25.00	8.00
Russell's Cottage	3.00	25.00	
Seven Sisters (Greville)			8.00
South Orange Perfection	3.00	25.00	8.00
Sweetheart	3.00	25.00	8.00
Tennessee Belle	3.00	25.00	8.00
Universal Favorite	3.00	25.00	8.00
Yellow Rambler (Aglaia)	3.00	25.00	
White Rambler (Thalia)	3.00	25.00	8.00
Wichuraiana (Memorial)	3.00	25.00	8.00

HYBRID TEAS.

	2½-in. 100	2½-in. 1000	4-in. 100
Auguste Guinoisseau	$3.00	$27.50	$8.00
Bessie Brown	3.00	27.50	8.00
Etoile de France	4.50	35.00	8.00
Helen Gould (Balduin)	3.00	27.50	8.00
Kaiserin Augusta Victoria	3.00	30.00	
KAISERIN GOLDIFOLIA	20.00	175.00	50.00
La Detroit	3.00	27.50	8.00
La France (Pink)	3.00	27.50	
Mme. Abel Chatenay	3.00	25.00	8.00
Mlle. Helene Gambier	3.00	27.50	8.00
Rosalind Orr English	3.50	30.00	8.00
Souv. de Pres. Carnot	3.50	30.00	8.00
Striped La France	3.00	27.50	8.00
Wellesley	3.50	30.00	8.00

TEAS.

	2½-in. 100	2½-in. 1000	4-in. 100
Bougere	$3.00	$25.00	$8.00
Duchesse de Brabant	3.00	25.00	
Etoile de Lyon	3.00	27.50	10.00
Mlle. Francisca Kruger	3.00	25.00	8.00
Maman Cochet (Pink)	3.00	27.50	8.00
Marie Guillot	3.00	25.00	8.00
Marie Louise	3.00	25.00	8.00
Papa Gontier	3.00	27.50	8.00
Sunrise	4.00	35.00	9.00
Sunset	4.00	35.00	9.00
White Bougere	3.00	27.50	8.00
White Maman Cochet	3.00	27.50	8.00

CLIMBING TEAS AND NOISETTES.

	2½-in. 100	2½-in. 1000	4-in. 100
Climbing Devoniensis	$3.00	$25.00	
Climbing Kaiserin	3.00	27.50	
Empress of China	3.00	25.00	$8.00
Marechal Niel	3.50	30.00	12.50
Mary Washington	3.00	25.00	8.00

THE LEEDLE FLORAL COMPANY, SPRINGFIELD, OHIO.

Washington.

BUSINESS DULL.

Business does not improve much. There is plenty of stock on the market but little demand for it. Carnations and bulbous stock are the most plentiful and lowest in price. Roses are in good supply.

NOTES.

The election of officers took place at the meeting of the Florists' Club, March 2, and in choosing F. H. Kramer as president by a large majority the club secured an energetic and progressive man for the post. The other officers elected are: John Robertson, vice president; Chas. R. McCauley, secretary, and Wm. F. Gude, treasurer.

J. J. Harty & Co., the commission men, are receiving fine shipments of Killarney rose, also good lavender sweet peas.

Chas. Davis of Ridge road is cutting some fine callas and double violets.

C. E. Brooks reports business a little slow but has some funeral work.

J. D. R.

Toledo, O.

TRADE GOOD.

Business with our retailers has been good of late, flowers selling well and also pot plants. The lilies will be all right for Easter. A large percentage of longiflorum and multiflorum had to be thrown away and the lilies in general are short in growth. Spireas will be good, and plentiful; roses, especially Baby Rambler, will be sufficient and a nice lot of hydrangeas will be in good shape. Bulbous stock has been plentiful, but the prices realized have not always been satisfactory and much less will be grown the coming season. Carnations are now plentiful and prices are low; large lots must be disposed of to outsiders at ridiculously low figures. Cyclamens in full bloom have not moved for a long time but begin now to go better with the prospect of being cleared up around Easter.

NOTES.

A good deal of building will be done this year. S. N. Peck will build two houses 20x112 for carnations and miscellaneous stock; this will bring his new range up to four houses of the same size. The Kruger Bros. Co. are going to start their new out-of-town range with two houses, one 30x250 and one 36x250 and a shed of 38x50; these houses will be devoted to carnations exclusively. John Gratopp will rebuild a few old houses and make one 36x92 out of same and add to another house 24x50, all to be for roses. C. Kaminski will build one house 20x100 for carnations. Harry Heinl will rebuild one 18x120 and one 10x100, the latter to be used for propagating. Paul Timm will start business with two houses 20x100, using the King construction.

J. L. Schiller will build one house 18x50, to be used for propagating exclusively. Schiller's specialties are rooted cuttings and seedlings of Primula obconica and Sinensis and cyclamens. He has had a big run on the everblooming Salvia Zurich; the 2-inch stock now being sent out is one mass of scarlet, a novel sight at this time of the year. SCH.

LITTLE ROCK, ARK.—An interesting meeting of the State Floral Society was held at the Hotel Marion March 11 and many speeches were given in favor of beautifying the city wherever possible by lawns and gardens. J. W. Vestal & Sons appropriately decorated the room with American Beauty roses.

LA FAYETTE, IND.—Rhea Reid rose is to be given a good trial by H. Roth in the new house he is building. There will be 24,000 square feet of bench space and this will be planted, partly with own-root and partly with grafted stock. John C. Moninger Co., Chicago, had the contract for some of the material used in the house.

GRAFTED ROSES.

NOVELTIES.

MRS. JARDINE, RHEA REID, QUEEN BEATRICE.
The above, $6.00 per doz., 50 plants for $18.00, $35.00 per 100.
MY MARYLAND, 50c each, $5.00 per doz., $35.00 per 100.
On own roots, 2½ in. pots, $25.00 per 100, $2.00 per 10; 3 in. pots, $5.00 per doz.
MRS. POTTER PALMER, $3.00 per doz., $17.50 per 100; $125.00 per 1,000.
NEW RAMBLER, "NEWPORT FAIRY." For delivery spring 1908. Well rooted plants in 2¼ inch pots $1.00 each, $9.00 per dozen, $50.00 per 100.

STANDARD VARIETIES.

Aurora, Betty, Bon Silene, Bride, Bridesmaid, Enchanter, Etoile de France, Franz Deegen, Gen. McArthur, Golden Gate, Hermosa, Ivory, Kaiserin Augusta Victoria, Kate Moulton, Killarney, La Detroit, Maman Cochet, Marechal Niel, Mme. Abel Chatenay, Mme. Hoste, Mrs. Pierpont Morgan, Papa Gontier, Rosalind Orr English, Richmond, Souv. du President Carnot, Souv. de Wootton, Uncle John, Wellesley, White Cochet.
GRAFTED, 2¼ inch pots, 20c each, $2.00 per doz., $15.00 per 100, $120.00 per 1,000.

AMERICAN BEAUTY.

Own root, 2½ inch pots, $8.00 per 100, $75.00 per 1,000. 3 inch pots, $12.00 per 100, $100.00 per 1,000. April, May and June delivery.

OWN ROOT ROSES.

From 2½ inch pots, repotted from 2 inch.
Kaiserin Augusta Victoria, Killarney, Bride, Bridesmaid, Ivory, Golden Gate, Uncle John, Richmond, Mme. Abel Chatenay, Aurora, $1.00 per doz., $6.00 per 100, $50.00 per 1,000.
From 2 inch pots ready for shipment, $3.50 per 100, $30.00 per 1,000.

CARNATIONS.—Rooted Cuttings.

	100	1,000
Winsor	$6.00	$50.00
Rose Pink Enchantress	3.50	30.00
Enchantress	2.50	20.00
Queen Louise	2.50	20.00

From 2¼ inch pots, add $1.00 per 100.
White Enchantress, 3 in. pots, $7.00 per 100, $60.00 per 1,000.

MISCELLANEOUS PLANTS.

AGERATUM, Stella Gurney, Princess Pauline.
SALVIA Splendens, S. Bonfire.
HELIOTROPE.
Rooted cuttings 75c per 100, $6.00 per 1,000.
ALTERNANTHERA, Red and Yellow, Rooted Cuttings, 50c per 100, $5.00 per 1,000.

COLEUS.

Verschaffeltii, Golden Queen, Fire Brand, Lord Palmerston, Queen Victoria, Beckwith's Gem. Prices of Rooted Cuttings by express, 60c per 100; $5.00 per 1,000. Less than 250 of a variety will be charged at the 100 rate.
Golden Bedder, Hero, Messey, Pearl of Orange, 75c per 100, $6.00 per 1,000. Less than 250 of a variety will be charged at the 100 rate.
Fancy Varieties. A very fine assortment of twelve kinds not listed above; 75c per 100, $6.00 per 1,000. 250, in assortment, our selection, at the 1,000 rate.

ASPARAGUS PLUMOSUS NANUS SEEDLINGS.

From flats, $10.00 per 1,000.

CHRYSANTHEMUMS.

Ready for Shipment.
Virginia Poehlmann, Angele Laurent, Golden Dome, Mlle. Jeanne Rosette, Money Maker, from 2¼ in. pots, $2.00 per doz.; $10.00 per 100.
Mrs. Clay Frick, Zimmers Yellow, Mary Mann. From 2¼ in. pots, $1.00 per doz.; $6.00 per 100.
Rooted Cuttings, $5.00 per 100.
CHOICE POMPONS, Klondyke, Quinola.
CHOICE SINGLE VARIETIES, Kitty Bourne, Mrs. Roberts, Amorita.
From 2¼ in. pots, $1.00 per do

STANDARD VARIETIE

WHITE—Early: George S. Kalb, Polly Rose, Early Snow, October Frost. Mid-Season: Clementine Touset, White Shaw, Mrs. H. Robinson, Beatrice May, Merza, Niveus, Queen, Alice Byron, Eureka, Miss Minnie Wanamaker, Adelia. Late. Mrs. McArthur, Timothy Eaton, W. H. Chadwick, Merry Christmas.
PINK—Early: Glory of the Pacific, Rosiere. Mid-Season: J. K. Shaw, Adelia, A. J. Balfour, William H. Duckham, Dr. Enguehard, Morton F. Plant. Late: Maud Dean, The Harriott, Mayor Weaver, Mrs. James Marshall.
YELLOW—Early: Monrovia. Mid-Season: G. Pitcher, Col. D. Appleton. Late: Major Bonnaffon, Golden Wedding, H. W. Reiman, Yellow Eaton.
RED—Cullingfordi, Merstham Red, Matchless.
BRONZE YELLOW—Mrs. William Duckham, Old Gold.
POMPONS—Baby (Yellow), Lulu (White), Briolas (Pink).
From 2¼ inch pots; 5c each, 50c per dozen, $3.00 per 100, $25.00 per 1,000.
Rooted Cuttings: $2.00 per 100, $15.00 per 1,000.

A. N. PIERSON, - Cromwell Conn.

CARNATIONS. GERANIUMS.

ROOTED CUTTINGS.

Ready April 14th.	Per 1000
Winsor and Beacon	$40.00
Pink Imperial and Aristocrat	30 00
Enchantress and J. E. Haines	12.50
White Perfection	20.00
Pink Patten	10.00
Victory	20.C0

100 at same rate.

Ready now.	Per 1000
Nutt, Perkins, Buchner and Doyle	$10.00
Viaud, Po tevine, Castellane and Ricard	12.50

Good, strong, w ll-rooted cuttings, as good as some pot plants.

Asparagus Plumosus, ready for 3-inch......$30.00
Smilax and **Sprengeri,** ready June 1st....... 15.00

ALBERT M. HERR, Lancaster, Pa.

Rooted Rose Cuttings

	Per 100	Per 1000
AMERICAN BEAUTY	$3.50	$30.00
MAIDS	1.50	12.00
BRIDES	1.50	12.00
RICHMOND	1 50	12.00

American Beauty.

	Per 100	Per 1000
BENCH PLANTS	$6.00	$50.00

Smilax,

	Per 100	Per 1000
2¼-inch pots	$2.00	$15.00

GEORGE REINBERG,
35 Randolph St., CHICAGO.

KILLARNEY, MAN.—At a well attended meeting of those interested it was decided to form a horticultural society here and officers were elected as follows: Rev. W. Johnston, president; Geo. B. Monteith, vice-president; A. M. High, secretary-treasurer; James T. Drysdale and S. T. Killeway, directors.

Strictly First-Class PLANTS

ON OWN ROOTS
2½-pots to line out.

ROSE PLANTS

$2.50 per 100
$25.00 per 1000
Baby Rambler
Clothilde Soupert
Dorothy Perkins
Mme. A. Chatenay
Crimson Rambler

$2.75 per 100
$27.50 per 1000
Hermosa
Maman Cochet
Malmaison
Etoile de Lyon
Helen Gould
Lady Gay
M. Neil
Notting
Meteor
White Maman

$3.00 per 100
$30.00 per 1000
Black Prince
Mme Masson
Richmond
Kaiserin
Paul Neyron

$3.50 per 100
$35.00 per 1000
Etoile de France
Gen. McArthur
Mme. J. Guillemot
Mrs J. Laing

Helen Good
$5.00 per 100

J. B. Clark
$8.00 per 100

C. M. NIUFFER, Springfield, O.

Secure Now for Easter.

Pot Grown Shrubs which will bloom in 3 to 4 weeks after placed into heat.

	Each.	Doz.
Lilac, Chas. X and Marie LeGray	$ 1.00	$10.00
Prunus Triloba, standards, 2½ ft. stems.	1.00	10.00
Prunus Triloba, Bushy grown, 18 in. high	.50	5.00
Prunus Triloba, Simplex & Georgica, 18 in. high	.50	5.00
Malus, in 3 sorts Floribunda, Atrosanguinea and Scheideckeri, bushy pot grown plants, 2½ ft.	1.00	10.00
Azalea Mollis, full of buds	.50	4.50
Deutzia Gracilis, 7 in. pots	.15	1.50
Deutzia Lemoine, 7 in. pots	.25	2.50
Rhododendrons, 8-12 buds	.75	9.00
Rhododendrons, 12-18 buds	1.25	12.00

Dormant Roses

FOR EASTER FORCING.

2-year old Budded Roses, per doz., $2.00; per 100, $15.00.

American Beauty Kaiserin Paul Neyron
La France Soleil d'Or Gruss an Teplitz
Frau K. Druschki and Hermosa.

The following kinds, 2-year old Budded, per doz., $1.50; per 100, $11.00:

Anna de Diesbach Fisher Holmes Magna Charta
Ball of Snow Gen. Jack M. P. Wilder
Capt. Christy Mad. C. Testout Mrs. J. Laing.
Ulrich Brunner and many other kinds.

	Per 100.
Crimson Rambler, 2-yr., home grown for Easter forcing	$15.00
Crimson Rambler, 2-yr., strong imported stock	12.00
Dorothy Perkins, 2-yr., home grown for Easter forcing	12.00
Lady Gay, 2-yr., budded stock	20.00
Philadelphia Rambler, 2-yr., home grown	12.00
Baby Ramblers, 2-yr., extra strong budded	20.00
White Baby Rambler, 2 1-2 in.	10.00
Red Kaiserin, 2-yr. dormant	25.00

CARNATIONS—Rooted Cuttings.

	Per 100	Per 1000
Afterglow, 2-in. pots	$12.00	$100.00
Andrew Carnegie, 2-in. pots	12.00	100.00
Defiance	12.00	100.00
Sarah Hill, 2-in. pots	12.00	100.00
Winona, from sand	12.00	100.00
White Enchantress	6.00	55.00
Lady Bountiful,	3.00	25.00
Red Chief,	5.00	40.00
Red Riding Hood, from soil	5.00	40.00
Victory,	3.00	25.00
Robt. Craig from soil	3.00	25.00
Aristocrat	6.00	50.00
Pink Patten, from soil	2.50	20.00
Mrs. T. W. Lawson	2.00	15.00
Winsor, 2-in. pots	6.00	45.00
Rose Pink Enchantress, from soil	4.00	30.00
Enchantress, from soil or sand	3.00	25.00
Mrs. Patten, from soil	2.50	20.00

VAUGHAN'S SEED STORE, 84-86 Randolph Street, CHICAGO.
14 Barclay Street, NEW YORK.

Greenhouses and Nurseries: Western Springs, Ill.

Tacoma, Wash.

BUSINESS AND PROSPECTS GOOD.

We are having good business at the present time and the outlook is splendid. Stock taken as a whole is a great deal better than was sent in last winter and spring and there is a lot more of it. Prices hold the same. Carnations are not expected to be plentiful enough very long now; the plants are already being thrown out and tomatoes and cucumbers put in their place. Every year they are dumped for the sake of the vegetables and then there is a shortage through the balance of the season. At one place today the writer only looked and wondered to see several thousand splendid carnation plants heeled-in outside and replaced in the benches with yellow, dwarfed cucumbers, about five to seven inches high, and no carnations to be had at wholesale for less than 3 cents each. The carnations were in splendid crop and first-class as one bench left in could testify.

The battle in the greenhouses located in Point Defiance park is over and was in favor of the rats. Two of the three alligators confined there escaped from the pen and were found dead, killed by a number of rats. A most desperate battle had been fought as was evidenced by the way pots, plants, etc., were upset and ruined. Numbers seems to have prevailed as several dead rats were in the place. The alligators were about two feet long.

Five cases containing 125 varieties of palm seed have been received from Philadelphia by Superintendent Roberts of our city park system and will be grown to supply our new conservatory at present under construction in Wright's park. The many varieties of palms of the world are represented in the 125 kinds of seed and we look forward to the great pleasure and interest in botany and science that will be provided for study.

C. H. Halkier is at work on two new houses but we do not learn of any other glass going up here. H.

LOGAN, O.—H. Gomp & Son have their large new greenhouse now in working order and a fine crop of lettuce is being taken.

CHOICE YOUNG ROSE STOCK

	Per 100	Per 1000		Per 100	Per 1000
Kaiserin, 2½-inch	$4.50	$40.00	Maid, 2-inch	$3.00	$25.00
Richmond, 2-inch	3.00	25.00	Bride, 2-inch	3 00	25.00

Carnations—Rooted Cuttings.

	Per 100	Per 1000		Per 100	Per 1000
Rose Pink Enchantress	$3.00	$25.00	White Perfection	$4.00	$35.00
Enchantress	2.50	20.00	Queen	2.00	15.00
Lady Bountiful	2.50	20.00			

BASSETT & WASHBURN,
Store: 76 Wabash Ave., CHICAGO. Greenhouses: HINSDALE, ILL.

William R. Smith and Cardinal

Two of Best **Forcing Roses** ever introduced.

Fine 2 1-2-inch plants ot **Smith** $10.00 per 100. **Cardinal,** 3-inch, $15.00 per 100.

HELLER BROS., New Castle, Ind.

PANSY PLANTS.

	Per 1000	100
Giant Flowering	$ 2.50	.50
Alternantheras, Red and Yel.	Apl. 10.	2.00
Coleus, 2¼-in pots, 10 varieties		2,00
Canna, C. Henderson, and eight other varieties dry bulbs		2 00
Vinca, Variegated, 2¼-in. pots		2 50
Verbenas, April 15th		2.00

GERANIUMS.

	Per C	100
10 varieties 2½-in. pots	$25.00	3.00
10 varieties 3-in. pots, Apl. 1,		4.00
Rose Geraniums,		2.00
Double Petunias, Apl. 1		3.00
Asp. Plumosus, Apl. 1		2.00
Asp. Sprengeri, Apl. 1		2.00
Centaurea Gym. Apl. 15		2.00

—CASH—

JOS. H. CUNNINGHAM, Delaware, O.

THE NEW .. CARNATION **AFTERGLOW**

WAS AWARDED A

Gold Medal by the Rhode Island Horticultural Society, at Providence, Nov., 1907.
(Exhibited by Wm. Nicholson)

Craig Silver Cup by the Penn. Horticultural Society at Philadelphia Nov., 1907.
(Exhibited by Dailledouze Bros.)

First Prize by the St. Louis Horticultural Society at St Louis, Mo., Nov., 1907.
Exhibited by The E. G. Hill Co.)

First Prize by the State Florists' Association of Indiana at Indianapolis, Nov., 1907.
(Exhibited by the Originator.)

Scored the highest number of points of any seedling exhibited at the Toronto Exhibition of the A. C. S. Jan., 1907, after arriving 24 hours late from Framingham, Mass.

Aside from these honors, the fact that it has been grown successfully wherever it has been tried is the best proof of its commercial value. Orders now booked by the undersigned, to be filled in rotation for well grown, well rooted cuttings at

$2.00 per doz.; $12 00 per 100; $100.00 per 1000.

WILLIAM NICHOLSON, Framingham, Mass.
THE E. G. HILL CO., Richmond, Ind.
DAILLEDOUZE BROS., Flatbush, Brooklyn, N. Y.
R. WITTERSTAETTER Originator, Sta. F., Cincinnati, Ohio.

CARNATIONS

Rooted Cuttings. Healthy stock.

	Per 100	1000
Winsor, Helen M. Gould Beacon	$6.00	$50.00
White Enchantress	7.00	60.00
Melody, Victory	4.00	
Enchantress, Lady Bountiful, Red Lawson, Variegated Lawson, White Lawson, Daheim	3.00	25.00
Mrs. T. W. Lawson, Boston Market	2.00	15.00

Send for Catalogue.

WOOD BROTHERS
FISHKILL, N. Y.

JOHN E. HAINES,

BETHLEHEM, PA.,

is the place to order rooted cuttings of the following varieties for 1908.

	Per 100	Per 1000
John E. Haines, red	$6.00	$50.00
Imperial, variegated	6.00	50.00
Pink, Pink	6.00	50.00
Enchantress, Light pink	6.00	50.00

Rooted Cuttings

	Per 100	1000
Enchantress	$2 00	$18.00

Cash with order. Good stock guaranteed.

Pettit & Sharpnack, SALEM, OHIO.

CARNATIONS ROOTED CUTTINGS.

Now ready for shipment. Healthy Stock.

	Per 100	1000		Per 100	1000
Enchantress	$3 00	$25.00	Robert Craig	$3.00	$25.00
Rose Pink Enchantress	3.50	30.00	Vesper	2.50	20.00

ASPARAGUS PLUMOSUS.

Fine bushy plants.

	Per 100	1000		Per 100	1000
From 3-in. pots	$7.00	$60.00	From 2½-in pots	$4 00	$35.00

CYCLAMEN, Craig's Famous Strain, from seeds of our own saving, twice transplanted, 100, $4.50; 1000, $40.00.

FICUS PANDURATA, (in tubs), magnificent plants, single stems, 6-ft. high $7.50 each. Magnificent plants, branched, 5½-ft high $7.50 each.

ROBERT CRAIG COMPANY,
Market and 49th Sts. PHILADELPHIA, PA.

Geraniums.

Strong well rooted

S. A. Nutt Cuttings

from 2-in. pots, $18.00 per 1000;
Cash must accompany all orders.

C. B. KNUTH
11801 St. Clair Avenue,
CLEVELAND, OHIO.

SAN FRANCISCO, CALIF.—At the monthly meeting of the State Floral Society March 13 at the home of Mrs. H. P. Tricou, fine exhibits of spring flowers, wild and garden varieties, were arranged. The annual flower show will be held May 14-16.

PASADENA, CALIF. — The Pasadena Gardeners' Association announces its spring show for April 2-4 and will mail schedule on application. The schedule is very complete, comprising flowers, plants, vegetables and fruits. Richard Thomas, 308 Stevenson avenue, Pasadena, is secretary.

OKLAHOMA CITY, OKLA.—The park commissioners have announced through the local press that they will distribute free, to other cities in the state, cannas, in quantities ranging from 300 to 1,000 each, to assist in beautifying the public parks in these cities, the donors packing and delivering the cannas to the railroads free.

IOLA, KANS.—At the meeting of the Allen County Horticultural Society, March 14, the proposition of obtaining a library of horticultural books for the use of members was discussed and a committee formed to find out what books would be suitable. Several good papers were read and E. Klauman reported that Electric park had been offered to the society for its summer meetings.

DEFIANCE

The only scarlet with the real velvet color. It is there for quantity and quality. Let us have your order for early delivery.

$12.00 per 100; $100.00 per 1000.

JENSEN & DEKEMA, —674— W. Foster Ave., **Chicago.** | **W. N. RUDD, Morgan Park, Ill.**

QUEEN

$10.00 per 1000 from soil.

WHITE ENCHANTRESS, $5.00 per 100

Strong, well Rooted Cuttings from soil.

PHILIP SCHUPP,

37 Randolph St., CHICAGO.

San Francisco.

TRADE DULL.

After quite a brightening up for a few weeks before the Lenten season, business has dropped to its usual dullness, the only hope being an occasional funeral order. Flowers of all kinds, even roses, are becoming quite plentiful; bulbous stock especially is quite a glut on the market. Violets are getting poor and their season will soon be over. The weather has been so mild this spring that even sweet peas are in bloom outdoors.

NOTES.

The Pacific Coast Horticultural Society held its monthly meeting March 7. There was quite a large attendance. Three candidates brought in applications for membership. Resolutions were adopted by the society to be sent to the California senators and congressmen calling for and recommending the creation of forest reserves in this state. Being unable to procure the nave of the Ferry building for the spring flower show, the joint committee of the Pacific Coast Horticultural Society and the California State Floral Society have engaged the Lyric hall for May 15-16. An attractive premium list will be sent out in a few days. The committee will spare no efforts to make this one of the best shows held in this city, especially on account of the many visitors, who will be here at that time for the reception of the Atlantic fleet.

The flower and plant business has grown wonderfully in the suburban towns on both sides of the bay; places where formerly no demand for flowers and plants existed are supporting florists and landscape gardeners. This has been occasioned by the late disaster driving thousands of people out of the city, who were forced to buy lots where they could procure them at reasonable prices, to build up small homes for themselves. They are now beginning to beautify these homes by laying out the surrounding grounds and planting them with ornamental and flowering plants. To many of them, who, before the fire, would have hardly paid any attention to flowers and plants, this calamity has proved a blessing in disguise, as they are now becoming acquainted with nature and are thereby improving in health and happiness.

On a recent visit to the growers I found the lilies in a not very promising condition, in most establishments and over half had been thrown out on account of diseased bulbs; this will have a tendency to raise the price of lilies for Easter. P.

HOOD RIVER, ORE.—Designs have been accepted and contract signed for a mammoth floral float to represent this city in the All-Oregon parade of the June rose festival. Final arrangements were consummated between local business men and the executive committee of the festival, and the float-builders will begin at once upon the design selected. The float will cost in the neighborhood of $1,000 and will be symbolical of the principal industries of the fertile valley.

Smith's Chrysanthemum Bulletin

The following varieties are among the **Most Popular of the Commercial Sorts,** have been given thorough tests and not found wanting. **READY NOW.**

Early.

In this section are included those perfecting their flowers prior to Nov 1st.

WHITE.	Price per 100 R.C.	Plants
Beatrice May	$4.00	$6.00
Clementine Touset	2.00	3.00
Ivory	2.00	3.00
Mme. Gastellier	2.00	3.00
Alice Byron	2.60	3.00
Opah	2.00	3.00
October Frost	2.00	3.00
Polly Rose (Estelle)	$2.00	$3.00
Pres. Loubet	4.00	6.00
Geo. S. Kalb	2.00	3.00
PINK.		
Amorita	2.00	3.00
Pacific	2.00	3.00
Pink Ivory	2.00	3.00
Rosiere	2.00	3.00
YELLOW.		
Carrie	$2.00	$3.00
Comoleta	3.00	4.00
Monrovia	2.00	3.00
Oct. Sunshine	2.00	3.00
Robt. Halliday	2.00	3.00

Midseason.

This section includes those which under ordinary circumstances develop their blooms from Nov. 1st to 20th. Some will flower earlier and others later, according to season and climatic conditions.

WHITE.	Price per 100 R.C.	Plants
Arline	$2.00	$3.00
M. Wanamaker	2.00	3.00
Mrs. Robinson	2.00	3.00
Mrs. Buckbee	2.00	3.00
Mrs. A. T. Miller	4.00	6.00
Alice Roosevelt	3.00	4.00
Niveus	2.00	3.00
Silver Wedding	3.00	4.00
Jim. Eaton	2.00	3.00
Mrs. Swinburne	2.00	3.00
Fidelity	3.00	4.00
PINK.		
Dr. Enguehard	$2.00	$3.00
Marie Liger	3.00	4.00
Mrs. Coombes	2.00	3.00
Mayor Weaver	2.00	3.00
Pres. Roosevelt	8.00	10.00
V. Morel	3.00	4.00
Wm Duckham	2.00	3.00
BRONZE.		
Ongawa	8.00	10.00
Winnefred	6.00	8.00
Dakoma	4.00	6.00
YELLOW.		
Col. Appleton	$2.00	$3.00
Crocus	4.00	6.00
Golden Wedding	3.00	4.00
Maj. Bonnaffon	2.00	3.00
Roi d' Italia	2.00	3.00
Sunburst	3.00	4.00
Yel. Eaton	2.00	3.00
CRIMSON ROSE.		
T. Carrington	2.00	3.00

Late.

Flowering from Nov. 20th and later. Some will perfect their flowers by Nov. 10th if early buds are secured.

WHITE.	Price per 100 R.C.	Plants
Jeanne Nonin	$3.00	$4.00
W. H Chadwick	3.00	4.00
Yanoma	3.00	4.00
RED.		
Intensity	3.00	4.00
PINK.		
Ialene	$3.00	$4.00
John Burton	3.00	4.00
Maud Dean	2.00	3.00
Mrs. Murdock	2.00	3.00
Jeanne Rosette	8.00	10.00
YELLOW.		
Gold'n Chadwick	$3.00	$4.00
Mounier	2.00	3.00
W. H. Lincoln	2.00	3.00

LOOK FOR OUR ADV. IN FUTURE ISSUES.

ELMER D. SMITH & CO., Successors to Nathan Smith & Son, **Adrian, Mich.**

CHRYSANTHEMUMS.

Monrovia, October Sunshine, F. A. Cobbold, Mrs. T. W. Pockett, Col. Appleton, Nellie Pockett, Cheltoni, Lady Hopetoun, White Coombes, Ben Wells and others now ready at $3.00 per 100, $25.00 per 1000; 2¼-in. pots.

If your stock is run down try some of mine and see the differerence next fall. Lots of the new singles now ready.

You got my 'mum list, of course?

CHARLES H. TOTTY, Madison, N. J.

CARNATIONS—Rooted Cuttings.

Immediate Delivery.

	Per 100	1000
Winsor	$6 00	$50.00
Aristocrat	6.00	50.00
Victory	3 00	25 00
Enchantress	2.00	20.00
Lawson (pink)	1 75	15.00
Lawson, (white)	2.00	18.00

STEVIA, R. C., $1.00 per 100.

Or will exchange the above for Montmort, Perkins, Poitevine or Viaud Geraniums.

Satisfaction guaranteed. **E. T. WANZER, Wheaton, Ill.**

CARNATIONS ROOTED CUTTINGS.

Aristocrat	Per 100, $ 5 00	Enchantress	Per 100, $ 2 00
Winsor	" 5 00	Lady Bountiful	" 2 00
Perfection (White)	" 2 75	Victory	" 2 75

Rose Pink Enchantress, $2.75 per 100.

SALVIA ZURICH. The Ever-blooming Salvia. Rooted cuttings, $1.75 per 100; 2-in. $3 00 per 100.

The Salvia Zurich was first introduced by us.

PERENNIAL GARDENS CO., Toledo, Ohio.

Extra Fancy Carnation Blooms

Shipped direct to all points. Special attention to telegraph orders. Give us a trial and be convinced.

J. D. THOMPSON CARNATION CO., Joliet, Ill.

Rooted Carnation Cuttings

White.	Per 100	100.
White Perfection	$3 00	$25 00
White Enchantress	6 00	
Pink.	**Per 100**	**1000**
Enchantress	$2 00	$15 00
Rose Pink Enchantress	3 00	25 00
Lawson	1 75	15 00
Helen Goddard	2 50	
Aristocrat	5 00	
Red.	**Per 100**	**1000**
Beacon	$6 00	$45 00
Victory	3 00	25 00
Robt. Craig	3 00	25 00
Crimson.	**Per 100**	**1000**
Harlowarden	$1 75	15 00

ELI CROSS,

Cor. Ashland Ave. and Page Street. **Grand Rapids, Mich.**

Berkshire Petunia

A fine, free flowering fringed pink double Petunia. Flowers measuring 3 inches across; a most valuable acquisition, with no "fancy" price attached.

ROOTED CUTTINGS,

$2.50 per 100; $20.00 per 1000; 500 at 1000 rates.

Stock grown at and sent from Pittsfield, Mass.

S. S. SKIDELSKY

1731 N. 18th St., Philadelphia, Pa.

Sprengeri, 2-in. 2c **Swainsona alba,** 2-in., 2c, **Heliotrope,** 2-in. 2c. **Feverfew,** 2-in. 2c. **Coleus,** 2-in. 2c. **White Ageratum,** 2½-in 2c. **Feverfew,** nice young plants, 75c per 100. **Hollyhock,** single, field-grown, $2.50 per 100.

Rooted Cuttings prepaid per 100: **Flowering Begonias,** $1.25 per 100; **Paris Daisies,** yellow and white, $1.00 per 100; Alexandra $1.25, **Petunia,** double, 10 kinds $1.00; **Swainsona Alba,** $1.00. **Cuphea,** 75c. **Heliotrope,** 3 kinds $1.00, **Fuchsia,** 5 kinds, $1.25, **Vinca Variegata,** 90c. **Hardy Pinks,** 5 kinds, 75c. **Alternanthera,** 3 kinds, 50c. **Coleus,** 10 kinds, **Ageratum,** White, Inimitable, 60c, **Alyssum,** dbl., 75c, **Salvia,** Bonfire, 90c. **Feverfew,** Gem, $1.00. **Parlor Ivy,** 75c. **Impatiens,** 3 kinds, $1.00.

Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

NEW CANNAS 1908

Rosea Gigantea. This beautiful variety has extra large flowers which are borne in such abundance that the mass of color on each plant is amazing. Single petals are 2½ inches across; color, a deep rich rose, almost a coral carmine. Plants make a vigorous growth, producing unusually fine clumps of green foliage. Height, 4 feet. (A great favorite with visitors to our trial grounds.) Strong plants, **$2.00** each, prepaid; **$18.00** per doz., by express, not prepaid.

Gladio-Flora. Remarkable for the unusual shape of the flowers which look like large Gladiolus. Petals are not long, but short and rounded and so wide they overlap each other, thus giving a very attractive appearance to the flowers. Color is crimson changing to carmine rose with an uneven edge of gold to each petal. Height, 3½ feet. Price, strong plants, **$2.00** each, prepaid; **$18.00** per doz., by express, not prepaid.

Meteor. Meteor is a vigorous grower with healthy green foliage. It is highly valued because of its magnificent flowers, fully four inches across, and abundance of bloom. Color is a deep crimson, very rich; each plant usually throws up five to six trusses of buds which continue blooming luxuriantly all summer through. Price, plants of dormant roots, **75c** each, postpaid; **$6.00** per doz., by express, not prepaid.

NEW CANNAS OF SPECIAL MERIT.

William Saunders. (1907) The flowers are large, of splendid form and are borne very freely in immense clusters. The color is a deep rich shining scarlet lightly dappled with crimson. Foliage is a rich bronze. Height, 3½ to 4 feet. We believe that Wm. Saunders is decidedly the most perfect Canna of this type that has been introduced. Those who tried Wm. Saunders in 1907 say it cannot be excelled. We offer plants only: **60c** each, postpaid; **$5.00** per doz., **$35.00** per 100, by express, not prepaid.

60 other varieties. Send for our list and prices.

The Conard & Jones Co.,

WEST GROVE, PENNSYLVANIA

"THE TEST is what TELLS THE STORY."

When growers who buy by the 100 the first season order thousands the next—**IT MEANS MERIT.**

BEACON CARNATION

occupies this enviable position; as an all winter blooming scarlet **IT HAS NO EQUAL.**

Strong, vigorous, healthy cuttings, ready now, Per 100, $6.00; per 1000, $50.00.

Winsor.....Per 100, $6.00; per 1000, $50.00
White Perfection.. " " 4.00; " " 35.00
Rose Enchantress..Per 100, $4.00; per 1000, $35.00
Enchantress ..... " " 3.00; " " 25.00

Send Money Orders on Norwood, Mass.

PETER FISHER, Ellis, Mass.

STRONG, WELL-ROOTED

Carnation Cuttings,

READY FOR IMMEDIATE SHIPMENT.

	Per 100	Per 1000
Enchantress	$ 1 75	$ 15 00
Mrs. T. W. Lawson	1 50	12 00
Boston Market	1 50	12 00
Rose Pink Enchantress	3 00	25 00
Victory	$ 3 00	$ 25 00
White Enchantress	6 00	50 00
Aristocrat	6 00	50 00
Winsor	6 00	50 00

List of novelties and other leading standard varieties sent on application.

A. F. LONGREN, Des Plaines, Ill.

SATISFACTION QUARRANTEED.

Sparkill, N. Y.

One of the rapidly growing industries of this city is the business of the Palisades Nursery Co. This concern, though not as old as some others in the same line of business, is showing commendable enterprise and seems destined to become one of the great horticultural enterprises of this part of the state. Having a fine natural situation with good soil, there seems no reason why it should not, under its present able management, continue in the path of success which it is now pursuing. Its stock of hardy perennials is a very fine one and at this time when the tastes of the owners of private estates seem to be turning to the old-fashioned flowers, this firm is right in line for good business.

BEVERLY, MASS.—Former representative Albert Vittum was presented, on St. Patrick's Day, by Thomas H. Kelley with a pot of shamrock. The shamrock was grown by John Mack, of Rantoul street, from seed sent from Ireland and the gift was a very happy souvenir of the day.

ST. LOUIS, MO.—Edward L. Loyett recently turned over to the police a letter he had received threatening death unless he surrendered $300. This is the second letter of the kind received by Loyett.

BALTIMORE, MD.—The cutting down of trees in Harlem park has excited much feeling among residents of the adjacent blocks and not a little solicitude among other lovers of trees who sometimes visit the park.

Orchids

The largest importation of Orchids ever received in this country will arrive next spring from Brazil, Venezuela and Colombia. If you intend putting in a stock wait for these to arrive and we will quote you the lowest prices in America.

ORDONEZ BROS.

Madison, N. J.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World.

SANDER, St. Albans, England.

NEW YORK OFFICE: Room 1, 236 Broadway. **T. MELLSTROM** Agent.

ORCHIDS. Advices from our Columbian, Venezuelan, Brazilian collectors inform us they are shipping elegant lots of goods; these will reach us April and May. If you need any write us at once; we will treat you well.

CARRILLO & BALDWIN,
Orchid Growers and Importers.
SECAUCUS, NEW JERSEY.

Imported Orchids

JUST TO HAND. Lælia Purpurata. Cattleya Intermedia. Cattleya Mossiæ.

JULIUS ROEHRS CO.,
The Orchid Nurseries, RUTHERFORD, N. J.

Minneapolis.

DEMAND MUCH BETTER.

The demand was exceedingly good the past week, and stock was scarce. Carnations and roses still keep up in price; white carnations have been scarce all week, mostly due to the number used on March 17. Tulips were notably sought after, and only one house had them in stock. The weather was sharp the first part of the week, but warmed up towards the end. Easter lilies are looking well but there seems to be a scarcity of plants this year; on the other hand there is a number of azaleas and hydrangeas.

NOTES.

Miss Whitted put up a magnificent life-sized elk composed of carnations and roses, standing on a bed of daisies; this was the largest of a number of pieces for a prominent Elk funeral. Miss Whitted also had the decoration for a banquet at the west, using spring flowers.

J. T. Withers has just completed four interesting lectures on "Tree Planting and the Beautifying of Home and Public Grounds." under the auspices of the Twin City Florists' and Gardeners' Club.

The Minneapolis Floral Co. has the best Easter stock it has had for years, lilies, hydrangeas, and azaleas being particularly worthy of mention.

R. A. Latham has returned from Indiana, having enjoyed his trip, and finding business first class at his store on his return.

Carlson & Sandberg have a fine stock of bulbs, and 2,000 lilies that will be in fine shape for Easter.

T. Wirth left for Chicago this week.

Visitors: D. U. Augspurger, Peoria, Ill.; A. E. Herrick, Little Falls; N. Neilsen, Mankato; Frank M. Johnson, representing A. L. Randall Co., Chicago.

M.

GERANIUMS.

A splendid stock of fine plants from 2-in. pots, good standard sorts and new varieties at $2.00 per 100 and up to $1.00 each. We will send 1000 in 20 good varieties our selection for $18 50. Our Special descriptive Geranium catalogue describing over 250 varieties of Geraniums and Pelargoniums mailed free to the trade.

PELARGONIUMS, In good variety, strong plants from 3-in. pots, $1,50 per doz., $6.00 per 100

HARDY CHRYSANTHEMUMS

Our collection of Hardy Chrysanthemums will compare favorably with any in the country, and we have an immense stock ready for shipment. Small flowered or Button varieties $2.00 per 100; large flowered or Aster type $3.00 per 100. Descriptions will be found in our wholesale list.

DAHLIA ROOTS. We still have about 75 varieties we can offer Cactus, Decorative, Show and Pompon true to name at $5.00 per 100 and up for whole field grown clumps. One thousand, 50 each of 20 varieties our selection, for $40.00 all good kinds a splendid collection for planting or just the thing for store trade.

	Per 100
Alyssum, Giant double	2.00
Ageratum, Stella Gurney	2 00
Begonia, Vernon White and Rose	2.00
" Gracilis White and Rose	2.00
Cuphea, Cigar plant	2.00
Coleus, Verschaffeltii, Golden Bedder, and other kinds	2.00
Caladium Esculentum, first size	2.00
Second size	1.00
Fuchsias, Black Prince and Minnesota	2.00
Lieutenant Muritz, White and Rose Phenomenal	2.50
Hardy English Ivy, extra strong	$15.00 per 1000 2.00
Hardy Phlox,	2.00
Hollyhocks, strong 3-in. pot plants, dbl. white, pink, red and yellow	$3.00
Ivy Leaved Geraniums, 6 good kinds $25.00 per 1000	$3 00
Lobelia, Crystal Palace Gem	2.00
Lantanas, 5 varieties	2.00
Lavender, 2½-in. pots, strong	3.00
Panicum, Variegated, handsome basket plants	2.00
Swainsona alba	2.00
Salvia, Bonfire and Splendens	2.00
Tradescantia, dark variegated	2.00
Verbena red, white purple and pink	2.00

Visitors always welcome. Cash with order.

R. Vincent, Jr. & Sons Co., WHITE MARSH, Balto Co., MD.

60,000 Grafted Roses

	Per 100
Chatenay, Killarney, Richmond, Liberty, La France, in rose pots	$15.00
3½-inch pots	18.00
Bride, Bridesmaid, Golden Gate, Kaiserin, in rose pots	10.00
3½-inch pots	15.00

OWN ROOT ROSES.

3-inch pots .....$7.00 and $9.00 per 100

Orders received for early delivery.

Send for circulars of **VERBENA** and **CARNATION CUTTINGS.**

J. L. DILLON, Bloomsburg, Pa.

Orchids!

Orders booked now for delivery 1908 of all the leading kinds of Orchids at greatly reduced prices. We have also just received the following: Oncidium tigrinum, O. sarcodes, O. Forbesii. Sophronitis grandiflora and coccinea. Write us.

Lager & Hurrell, Summit, N. J

LARGEST STOCK OF ALL

Belgian Plants

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

LOUIS VAN HOUTTE, PERE,
GHENT, BELGIUM.

6,000 Geraniums Left.

2-inch.....$15.00 per 1000
2½-inch..... 18.00 per 1000

SCHMAUS BROS., Paducah, Ky.

VIOLETS

A good time to get stock for early planting **Princess of Wales,** the very best single violet to-day well rooted runners and divisions $1.00 per 100; $8.00 per 1000; 2 000 for $15.00.

P. M DE WITT, Bridgewater, Pa.

NEW VIOLET BOSTON.

In introducing this new variety to the trade I wish to state that I have been growing it in quantity for the past two years and do not hesitate to state that it is entirely distinct, a strong grower, a free bloomer and the finest single violet in cultivation. Ready for distribution in April and May. Orders booked now. **$2.00** per doz.; **$12.00** per 100; **$100.00** per 1000. 500 at 1000 rates.

WILLIAM SIM, Cliftondale, Mass.

ROOTED CUTTINGS. Prepaid per 100. Heliotrope German Ivy, 75c; Alternanthera 50c; Coleus, Ageratum, 60c; Salvia, 85c, Fuchsia, $1.00. Seedling **Verbena,** Mammoth mixed 35c per 100, prepaid. Cash. Special price on 1000. List Free.

SHIPPENSBURG FLORAL CO. Shippensburg, Pa

Wittbold FLORIST

SPECIAL OFFER OF

NURSERY

STOCK, HARDY

PERENNIALS

SPRING BEDDING AND POT PLANTS.

DAHLIAS.

These are large field clumps.

Cactus.	Per doz
Mrs. A. Beck, rich salmon, twisted petals, scarlet reflex	$1.00
Charles Woodbridge, bright crimson	1.00
Miss A. Nightingale, bright red, shading to golden yellow at center	1.00
Kriemhilde, pink, shading to white at center	1.50
Countess of Lonsdale, a peculiar blending of salmon, pink and amber	1.50
F. Bartels, bright scarlet	1.00
Decorative.	
Zulu, black maroon	1.00
C. W. Bruton, a fine yellow, tall grower	1.50
Oban, rosy lavender	1.00
Iridescent, vivid red, tipped with blue	1.00
Sylvia, pink, white to center	1.50
Mrs. Geo. Reed, purple, with white tint	1.00
Show Dahlias.	
A. D. Livoni, a pure quilled pink	1.50
Cameliaflora, pure white dwarf	1.00
Single Dahlias.	
J. Cowan, a fine scarlet	1.50
John Downie, crimson	1.50
Sunningdale, blush white	1.00
Mixed Colors.	
Good varieties, all colors	.75
" " mixed yellow	.75

MISCELLANEOUS LOT OF BULBS.	Per 100
Gladiolus, mixed	$1.00
Amaryllis Formosissima	5.00
Zephyranthes Alba	2.00
" Rosea	2.00
Pancratium Spider Lily	5.00
Ismene Calathina, 1st size	6.00
" " 2nd size	4.00
" " bulblets	2.00
Tritoma Hybrids, asst. 1 year old, largest size	4.00
Tritoma Hybrids small size	2.00

ROSES IN POTS AND OUTDOOR.

Prairie Queen, 3 to 5 feet, 15 to 35c each.

	Per 100
Ramblers, Crimson, 2 feet, 15c.	
" Baby, 3½-inch pots	$ 6.00

Sweet Brier, 2 to 3 feet, 10c to 25c each.

1 Lot Hybrid Perpetual, 5-inch, asst. varieties, pot grown 15.00

KENTIAS.

	Per 100
Kentia Belmoreana, 5-in.	$ 7.20
" " 5 in. strong	9.00
" " 6-in	12.00
" " 6-in. strong	15.00
" " 7-in.	18 00
" Forsteriana 5-in.	7.20
" " 5-in. strong	9.00
" " 6 in.	12.00
" " 6 in. strong	15.00

TREES.

Box Elder, from 1 to 2½-inches, 6 to 10 feet, 35c to $1.00 each. Per 100

Catalpa, 1½ to 2 inches, 8 to 10 feet, 75c each $75.00

Elm American, 2 to 4 inches, 6 to 12 feet, $1.00 to $3.00 each.

PERENNIALS.

From December, 1907, sowing. Have been replanted into flats. Any at $10.00 per 1000 until replanted again.

Myosotis (Forget-me-nots).
Stokesia Cyanea (Stokes aster).
Bellis (Daisy).
Eulalias.
Erianthus Ravennæ.
Aster Bessarabicus.
Achillea (The Pearl).
Lobelia Cardinalis.
Pentstemon (Beard-Tongue).
Rudbeckia Triloba.
Tritoma, asst. Hybrids.
Campanulas, under name and asst.
Digitalis, " " " "
Yucca Filamentosa.
Delphinium, asst. Hybrids.
Sweet William, single mixed.
Lychnis Chalcedonica, also Haageana Hybrids.
Dianthus Plumarius, mixed.
Shasta Daisy Alaska.
Ampelopsis Veitchii.
Veronica Longifolia Subsessilis.
Gaillardia Grandiflora, also Kelway's Hybrids.

Araucarias.

4-inch ..... 50 cents each
5 " ..... 75 " "
6 " ..... $1.00 each

SHRUBS, ETC.

Ampelopsis Quinquefolia, or American Ivy, 15c each.

Berberis Thunbergii (Japanese Barberry), 1 to 3 feet, 10c to 50c each.

Hydrangea Paniculata, 2 to 3 feet, 15c to 35c each.

Symphoricarpus Racemosus alba (Snowberry), 2 to 5 feet, 10c to 50c each.

Symphoricarpus Vulgaris rubra (Indian Currant), 2 to 4 feet, 10c to 35c each.

Lilacs, Persian, also German, in white and light and dark purple, 3 to 6 feet, 25c to $2.00 each.

Viburnum Opulus (Snowball), 2 to 5 feet, 10c to 50c each.

American Arbor-vitæ, 2 to 3 feet, 10c to 25c each.

Matrimony Vine, 10c to 50c each.

Spiræa Sorbifolia (white), 3 feet, 25c.
" Thunbergii, 2 to 3 feet, white, 15c to 25c.
" Regalis, 3 feet, 35c.

Syringa (Philadelphus) Lemoineii, 3 to 4 feet, 25c to 35c each.

Cut-leaf Elder, 3 to 6 feet, 10c to 25c.

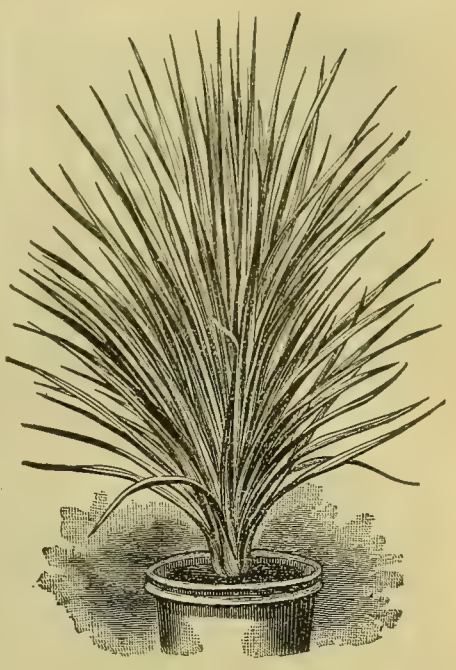
PEONIES.

In variety, 10c to 50c each.

Cycas Revoluta.

4-inch ..... 25 cents each
5 " ..... 35 " "
6 " ..... 50 " "
7 " ..... 75c to $1.00 each
8 " ..... $1.25 to $1.50 "

If we do not confine ourselves to the exact size of pot specified, we shall see that stock of good value for the money is sent on every order.



DRACAENA INDIVISA

This most useful plant is always in great demand in spring. Better secure your stock now. Fine plants in the following sizes and prices:

		Per doz.	Per 100
Dracaena Indivisa,	4-inch	$ 2.00	$12.00
" "	5-inch	3.00	20.00
" "	6-inch	6.00	40.00
" "	7-inch	9.00	
" "	8-inch	12.00	

Perennials in Pots, One Year Old.	Per 100
Dianthus, Sweet William, 5-inch pots	$10.00
Coreopsis Lanceolata, 5-inch pots	8.00
Campanula, asst., 6-inch pots	12.00
	Per 1000
Grave Myrtle, 2¼-inch pots	$25.00
" " 3-inch pots	40.00

Perennial Clumps from Field.

12c per clump except where specified.

Iris Germanica, all colors under name, 10c
" Kaempferi, blue, tall, 10c
Bachelor's Buttons, yellow, 2 feet, 10c.
Campanula, assorted.
Chrysanthemum Uliginosum, 3 feet.
" Shasta Daisy.
Coreopsis Lanceolata.
Day Lily, 5 feet.
Gaillardia.
Golden Glow (or Rudbeckia), 8c.
Lychnis Chalcedonica.
Delphinium or Larkspur.
Phlox, all colors, under name.
Pentstemon, assorted.
Polemonium Cæruleum (Jacob's Ladder).
Physostegia Speciosa, grand, mixed.
Yucca Filamentosa (Adam's Needle), 25c.

The GEO. WITTBOLD CO., 1657 Buckingham Place, Chicago

Elizabeth, N. J.

The Elizabeth Nursery Co., in addition to a splendid stock of fruit and ornamental trees, shrubs and climbers, has also in fine condition a great stock of herbaceous plants. Very noteworthy are its hardy phloxes, of which there are many varieties. The August aster, ptarmicoides major, is a white that is fine for cutting and highly thought of by those who have handled it. This firm has about 50,000 square feet of glass and it is largely devoted to the propagation and growing of healthy young plants of roses and herbaceous stock, for shipment. The houses are admirably suited to the purpose, and a cleaner and healthier stock cannot be found. This department is in charge of an experienced grower who thoroughly understands plants and their nomenclature.

IRONWOOD, MICH.—R. Lutey is the father of a bouncing baby boy.

We are prepared to fill your order with first-class stock of:

Bedding Stock In standard varieties.

Ferns AND **Asparagus** all sizes

Cannas Dormant or started. True to name.

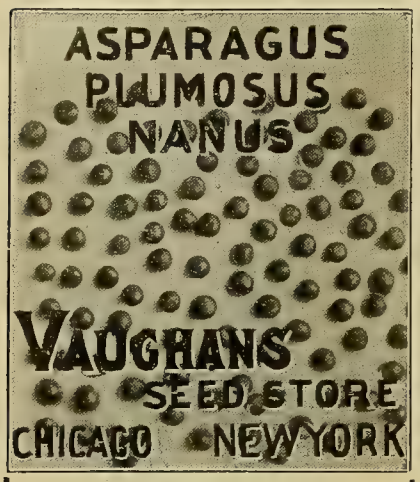
Perennials Field clumps, Transplanted and Seedlings.

Pansies from choice seed; fall seedling and transplanted.

100,000 **Horseradish** Sets.

—ASK FOR OUR LIST.—

THE MOSBÆK GREENHOUSE CO., ONARGA, ILL.



We handle this Asparagus both in seeds and plants of all sizes, in very large quantities and make very close prices on larger amounts on application. Our seed is pure, fresh, of best germinating quality and extraordinary vitality **Northern Greenhouse-Grown Seed.** Per 100 seeds, **60c;** 250 seeds, **$1.25;** 1000 seeds, **$4.00;** 5000 seeds, **$19.50;** 10,000 seeds, **$37.50.** Price for larger lots on application

Express Prepaid on all Rooted Cuttings and satisfaction guaranteed.

Salvias Bonfire, St. Louis...$1.00 per 100. $8.00 per 1000
Lantanas, 8 of the finest varieties, $1.25 per 100; $10. per 1000.
Coleus a grand collection (named) 70c per 100; $6.00 per 1000.
Heliotrope, 10 best varieties... $1.00 per 100; $8.00 per 1000.
Daisies, California (White) Yellow Castle (Yellow), the finest of all daisies. $1.00 per 100; $8.00 per 1000.
Petunias, Dreer's and Henderson's .... $1.25 per 100; $10.00 per 1000.
Alternantheras, red, yellow and Brilliantissima from soil, Sept. struck..70c per 100; $6.00 per 1000
Feverfew,....$1 25 per 100; $10.00 per 1000.
Vincas Variegated, $1.25 per 100; $10.00 per 1000

C. HUMFELD, Clay Center, Kas.

CLEAN and Well Rooted Carnation Cuttings

	100	1000
White Perfection	$3 00	$25 00
Enchantress	2 00	15 00
Rose Pink Enchantress	3 00	25 00
Pink Lawson	1 75	15 00
Robt. Craig	3 00	25 00
Harlowarden	1 75	15 00
Vesper	2 00	15 00
Marion	1 75	15 00
Prosperity	1 75	15 00
Patten	1 75	15 00
Lady Bountiful	3 00	25 00

MIAMI FLORAL CO., Dayton, Ohio.

Denver.

Trade is fair and stock has been coming in very plentifully. Carnations are a glut. The winter has been far too warm for a good flower business. St. Patrick's day business was very good this year in greened carnations, twice as many being sold as in any previous year.

A new flower store has been opened at 504 Sixteenth street under the name of the Denver Floral Co. It is run by Geo. Brinkert, who has his greenhouses at University Park.

Sweet peas are in good demand this season, one of our leading newspapers offering a prize for the best blooms produced during the year.

The Park Floral Co. has acquired the establishment of the Colfax Avenue Greenhouses and will remodel the houses.

PLATTE.

FOR YOUR EASTER TRADE

Hydrangea Otaksa, per doz., $9.00 $12.00 $15.00
Hydrangea Otaksa Specimens, each, $3.00 to 10.00
Spirea Gladstone, 6 in., per doz., $4.00 and 5.00
Spirea Japonica, 6 " " 3.00 " 4.00
Spirea Japonica, 8 " pans, per doz., - 9.00
Lily Longiflorum, 4 to 8 flowers, 10c per bloom and bud
Hyacinths, 4 in., per 100, - - - - $10.00
Baby Ramblers, 7 in., pans, per doz., - 12.00
" " 6 " " " - 6.00
" " 5 " " " - 4.00
" " 3½ " pots, per 100, - 10.00
Calla Lilies, 6 in., in bloom, per doz., - - 6.00
Azaleas, each, - - - 75c, $1.00, $1.50, 2.00
Geraniums, 4 in., in bloom, per 100, - . 12.00

Your orders will receive prompt attention and thorough packing will insure safe delivery on all shipments.

J. W. Dudley & Sons

PARKERSBURG, W. VA.

Stock YOU NEED NOW.

BEGONIAS.

Marjorie Daw, Thurstoni, Metallica, Rubra and Argentea Guttata,.....$4.00 per 100
Dahlias. (Field-grown roots.) Wm. Agnew, Countess of Lonsdale, Nymphæa, Mrs. Wellesley, Admiral Dewey, A. D. Livoni and Fern Leaf Beauty.....$5.00 per 100
Grand Duke Alexis and Kriemhilde..... 7.00 per 100
Boston Ferns. Plants well established, in 2½-inch pots. $4.00 per 100; $30.00 per 1000.
Bougainvillea Glabra Sanderiana.
2½-inch.....$4.00 per 100
Kentia Belmoreana.
2½-inch pots.....$ 9.00 per 100
2½-inch pots.... 80.00 per 1000
3 inch pots..... 14.00 per 100
4 inch pots..... 30.00 per 100
5-inch pots..... 50.00 per 100
} Clean, Cool-grown, Extra Value.

ROSES.

For out door planting or growing in pots, strong 2½-in. pot plants—Clothilde Soupert, Hermosa, Baby Rambler, Maman Cochet, White Maman Cochet, $3.00 per 100; $25.00 per 1000.
Caladium Esculentum 5 to 7 inch $2.00, 7 to 9 inch $3.00, 9 to 11 inch $6.00.
Violets. Princess of Wales, thrifty plants from 2½-in. pots..... $3 00 per 100
Hardy English (double purple)..... 3 00 per 100
Pandanus Utilis. Fine young stock for immediate sale or growing on.
2½-inch.....$ 6 00 per 100
3-inch.....$8 00 per 100 4 inch..... 12.00 per 100
Latania Borbonica. 3-inch pots. $6.50 per 100; 6 inch pots, 5 to 6 leaves, 15 to 18 inches high.....60c each
Chrysanthemums. Early flowering varieties ready now, from 2-in. pots, William Simpson, Glory of Pacific, Polly Rose, Monrovia, Omega, $2.50 per 100. Rosiere, $3.00 per 100.

GERANIUMS.

Standard Geraniums, our choice of varieties, in pink, red and white.....$2,00 per 100

CANNAS.

Strong 2 and 3 eye divisions. Allemania, Austria, Chas. Henderson, Fair Hope, Progression, Shenandoah, $2,00 per 100; $17.00 per 1000
Beaute Poitevine, Crimson Bedder, Egandale, Florence Vaughan, Papa Nardy.....
.....$3.00 per 100; $25.00 per 1000
King Humbert.....$10.00 per 100

THE STORRS & HARRISON CO., Painesville, Ohio

SALVIA ZURICH.

The Ever-Blooming Salvia.

Propagation from carefully selected stock; absolutely true and of even type 2-in, $1.00 for 25 $3.00 for 100; $25.00 for 1000, Rooted cuttings $1.75, for 100; $15.00 per 1000.

J. L. Schiller, 929 Prouty Avenue TOLEDO, O.

Alternantheras.

Strong rooted cuttings, red and yellow, 50c per 100, or $4.00 per 1000. **Brilliantissima** 60c per 100, or $5,00 per 1000.

DAVIS BROS., Morrison, Ill.

A FEW GOOD THINGS YOU WANT.

Asparagus Sprengeri, 2-in., $2.50 per 100; 3-in., $5.00 per 100. Seedlings, $1.00 per 100.
Geraniums, S. A. Nutt, John Doyle, Perkins, Ricard, Double Gen. Grant, 2-in. pots, $2.50 per 100; Rooted Cuttings, $1.25 per 100. E. H. Trego, Castellane, Poitevine, Viaud, 2-in. pots, $3.00 per 100; rooted cuttings, $1 50 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100; 3-in., $5.00 per 100.
Boston Ferns, 5-in., 30c each.
Vinca Var, 2-inch, $2.00 per 100.
Dracena Indivisa, 2-in. $3.00 per 100.
Gladiolus Bulbs, light colors, $1.00 per 100.
Rex Begonia, $5.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the Express Companies properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

EASTER.

Lilies 3, 4, 5 and 6 buds.
Hydrangeas, 4, 6, 8 and up heads.
Spireas, four sizes, 25c and up.
Azaleas, three sizes, 75c and up.
Crimson Rambler Roses.
Baby Ramblers, red and white.
Mme Soupert Roses.
Hyacinths, 4, 5 and 6 inch pots.
Paper Whites, 5 and 6 inch pots.
Tulips, 5 inch pots.
Ajax Princeps, 5 inch pots.

Will also have a lot of **Geraniums** in bloom. Write us about any stock you want in **Soft Wooded Plants.**

GEO. A. KUHL, Wholesale Grower, **Pekin, Ill.**

Davenport, Ia.

Business has been very good the past week; funerals of some consequence taking nearly all the cut. Carnations are somewhat off crop and not enough are being cut to meet demand. If the warm weather keeps on tulips will be in bloom outdoors by Easter.

The second annual banquet of the Tri-City Florists' Club was held at the Rock Island Turner hall on the evening of March 19, nearly every member of the society being present. The hall was beautifully decorated for the occasion with palms, pot plants and smilax. The table was decorated with American Beauty and Richmond roses and fancy carnations. A seven-course supper was served. Wm. Knees, president-elect, was toastmaster and with the assistance of Harry Bills, Emil Boehm and Theo. L. Ewoldt, kept the crowd in the best of humor. During the course of the evening the boys were surprised by the Turner singing society, which marched into the hall and sang several fine selections, which were greatly enjoyed by the members. Everything went off in fine shape thanks to the committee on arrangements.

Garrett, one of the veteran gardeners, celebrated his eighty-first birthday the other day, and is still actively engaged in raising lettuce and bedding plants.

We have a colored florist, who has built a house 20x125 ft., and is trying his hand at carnations and bedding stock.

The next meeting of the Tri-City Florists' Club will be held April 2, at Henry Pauli's place.

Harry Bills has received his material from Chicago for his new 27x50 greenhouse.

Julius Staack, of Moline, Ill., is very ill at present writing. T. E.

BROOKLYN, N. Y.—The floral offerings at the opening of the supreme court by Justice Stapleton, March 16, were very choice and numerous, consisting of many grand pieces from various societies as well as friends. Judge Stapleton, after viewing the flowers, arranged for their distribution to the various hospitals.

FERNS FOR FERN DISHES

SIX LEADING VARIETIES. STRONG, BUSHY PLANTS.

2-inch pots, 50c per doz.; $3.00 per 100; $25.00 per 1000. 3-inch pots, 75c per doz.; $6.00 per 100.

BOSTON FERNS.

Nice bushy plants.	Per doz.	Per 100
4½-in. pots	$ 2 50	$20 00
5-in. "	3 00	25 00
6-in. "	6 00	50 00
7-in. "	9 00	
8-in. "	12 00	

Nephrolepis Whitmani
8 and 9-in. pots, $1 50 and $2.00 each.

Fern Hanging Baskets.

Anna Foster
Well grown and drooping, $2.00 each.
Boston Baskets
Fine and drooping, 8-in., $1.25 each; 10-in., $2.00 each.
Pteris Wimsetti and Ouvrardi
Strong and bushy, 4½-in. pots, $2.00 per doz.; $15.00 per 100.

Cyrtomium Falcatum

Holly Fern. Strong plants.

	Per doz.	Per 100
4½-in. pots	$ 2 00	$15 00
5 in. "	3 00	25 00
6-in. "	5 00	

Asparagus Plumosus

Strong bushy plants, ready to shift.

	Per doz.	Per 100
3-in. pots	$ 1 00	$ 7 00
4½-in. pots	1 50	12 00
5 in. " 3 in a pot	3 00	20 00
6-in. " 3 "	6 00	

Asparagus Sprengeri

Strong plants, fine for Hanging Baskets, 4½-in. pots $1.50 per doz.; $12 00 per 100.
Cocos Weddelliana
3-in. pots.....per doz., $2 50; per 100 $20.00
5-in. " ...4 in a pot, 75c each; $9.00 per doz.
Dracaena Indivisa
Fine plants for Baskets and Vases.
4½-in. pot plants, per doz. $2.00; per 100 $15.00
5-in. " " 3.00; " 20.00
Pandanus Veitchii
Strong and well colored.
5-in. pots.....$1 00 each.
5½-in. pots. ..... 1.25 each
6-in. pots..... 1.50 each
Eurya Latifolia
Fine Variegated Plant for Decorating. 24 to 30 inches high. $1.25 each.

Primula Obconica Grandiflora Rosea

STRONG PLANTS IN BLOOM.

2½-in. pots.....50c per doz.; $3 00 per 100
3½-in. pots.....75c per doz ; 6 00 per 100

TERMS STRICTLY CASH WITH ORDERS.

FRANK OECHSLIN, 2572 West Adams Street, **Chicago, Ill.**

Formerly GARFIELD PARK FLOWER CO.

DREER DAHLIAS.

We can still supply in undivided field-grown roots, varieties as listed below. All are desirable cut flower sorts.

	Per doz.	Per 100.
A. D. Livoni (Quilled). Pink	$1.00	$ 8.00
Aegir (Cactus). Cardinal red	1.00	8.00
Alba Superba (Single). Fine large white	1.25	10.00
Arabella (Show). Light, sulphur-shaded peach	1.25	10.00
Admiral Dewey (Decorative). French purple	1.00	8.00
Amos Perry (Cactus). Free fiery red	2.50	15.00
Bon Ton (Show). Rich garnet	1.00	8.00
Black Diamond (Decorative). Purplish garnet	1.00	8.00
Blackbird (Single). Black velvety maroon	1.00	8.00
Chameleon (Fancy). Flesh, pink and yellow	1.25	10.00
Cornucopia (Cactus). Vermillion carmine	1.00	8.00
Capstan (Cactus). Soft orange scarlet	1.00	8.00
Cuban Giant (Show). Large bright maroon	2.50	20.00
Catherine Duer (Decorative). Red	1.00	8.00
Clifford W. Bruton (Decorative). Yellow	1.00	8.00
Crimson Century (Single). Crimson and rose	1.25	10.00
Duchess of Cambridge (Show). Pink tipped crimson	1.25	10.00
Else (Cactus). Amber and rose	2.50	15.00
Emily (Show). Solferino rose	1.25	10.00
Fire-rain (Decorative). Brilliant red	1.00	8.00
Frank Smith (Fancy). Maroon tipped white	1.25	10.00
Frau Hermine Marx (Cactus). Silvery rose	2.50	18.00
Frute (Cactus). Peach and cream	1.25	10.00
Flora (Cactus). Pure white	2.50	15.00
Floradora (Cactus). Blood red	1.25	10.00
Florence M. Stredwick (Cactus). White, fine form	1.25	10.00
Fanny Purchase (Show). Yellow	1.25	10.00
Gracie (Single). Delicate blush	1.00	8.00
Gen. Buller (Cactus). Red, tipped white	1.00	8.00
Gottelinde (Cactus). Yellow	1.00	8.00
Grand Duke Alexis (Quilled). Ivory white	1.00	8.00
Henry Patrick (Decorative). White	1.00	8.00
H. W. Sillem (Cactus). Cardinal red	2.50	15.00
Harbor Light (Cactus). Brilliant cochineal red	2.50	15.00
Horn of Plenty (Cactus). Deep carmine purple	1.00	8.00
J. H. Jackson (Cactus). Crimson maroon	1.25	10.00
John Thorpe (Show). Solferino rose	1.25	10.00
Kriemhilde (Cactus). Pink	1.00	8.00
Landrath, Dr. Schiff (Cactus). Rosy apricot	1.00	8.00
Lenau (Cactus). Coral red and apricot	2.50	15.00
Lyndhurst (Decorative). Bright red	1.00	8.00
Mme. Alfred Moreau (Show). Pink	1.25	10.00
Mrs. Roosevelt (Giant). Pink	2.00	15.00
Maroon Century (Single). Rich velvety maroon	2.50	20.00
Miss May Loomis (Show). White suffused rose	1.25	10.00
Queen Victoria (Quilled). Yellow	1.00	8.00
Queen of Yellows (Show). Yellow	1.25	10.00
Ruckert (Cactus). Bright red	1.00	8.00
Red Hussar (Show). Cardinal red	1.25	10.00
Reliable (Cactus). Carmine and salmon	2.50	15.00
Ringdove (Cactus). Carmine with white edge	1.00	8.00
Scarlet Century (Single). Scarlet	2.50	20.00
Shooting Star (Cactus). Golden yellow	2.50	15.00
Souvenir de Gustave Doazon (Giant). Pure scarlet	3.50	25.00
Standard Bearer (Cactus). Fiery scarlet	1.25	10.00
Sylvia (Decorative). Soft pink	1.00	8.00
Twentieth Century (Single). Pink	1.25	10.00
Uncle Tom (Cactus). Deep maroon	1.00	8.00
Walthari (Cactus). Sulphur yellow, white edges	2.50	15.00

One each of the fifty-nine varieties for $6.00

HENRY A. DREER, 714 Chestnut Street, Philadelphia, Pa.

Thr above prices are for the trade only.

CANNA BULBS

Black Beauty—Best black foliaged canna, inferior flower.

Egandale—Dark foliage, dark cherry red blossom, considered by experts the best dark canna.

Antoine Bouvier—Green foliage, fine dark red flower.

Burbank—Green foliage, fine canary yellow.

Kate Grey—Green follage, one of the best orchid flowered cannas. $3 00 per hundred.

Buffalo Cut Flower Co.

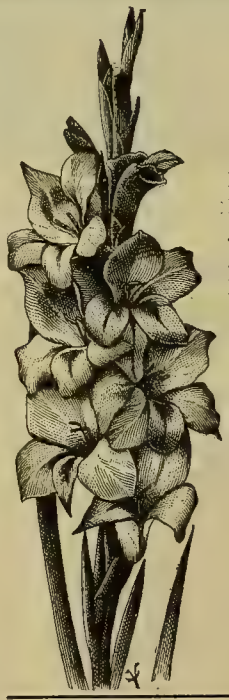
468 Washington St. BUFFALO, N. Y.

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,

Successors to L. K. Peacock, Inc., ATCO, N. J



Gladiolus

STRICTLY FIRST SIZE BULBS.

	Per 100	1000
Princeps, medium	$9.00	$
Mrs. Francis King, best scarlet for florests' use	4.00	30.00
America, fine pink	7.50	60.00
Augusta, pure white, blue anthers	2.00	17.00
Brenchleyensis, intense scarlet	1.45	12.00
Ceres, pure white, spotted purplish rose	1.45	12.50
Madam Moneret, delicate rose color	1.75	15.00
May, pure white, flaked rosy crimson	1.75	15.00
"1900," a very rich shade of red	2.50	
Shakespeare, pure white, blotched pink and violet	4 25	38.00
Florist Mixture, made from named light and white varieties; comprises best there is in Gladiolus	1.75	15.00

VAUGHAN'S SEED STORE

CHICAGO. NEW YORK.

NEW PLANTS

GLADIOLUS Lemoinei and Nancianus.

V. LEMOINE & SON, Nancy, France.

Catologues on application.

Gladioli....

Write for 1908 trade list of Named Varieties, Color Sections and Choice Mixtures. First-class stock at reasonable prices:

E. E. STEWART, RIVES JUNCTION. MICH.

GET NEW CUSTOMERS By placing your specialties before the purchasing florists of the entire country by advertising in

Send Copy Now. THE AMERICAN FLORIST.

IOWA CITY, IA.—The new plant house which has been in the course of construction for some months at the state university has been completed. It consists of a laboratory building and a greenhouse. The north room of the former contains the main laboratory. This room is provided with tables for work in general plant physiology, and for advanced work in physiology and plant ecology. It will accommodate 24 students in general plant physiology and 16 taking advanced work. Advanced students are provided with microscopes and apparatus necessary for experimental work. The introductory course in plant physiology is carried on in this laboratory, while the histological work in connection with it is done in the old Science hall.

GLADIOLI

Madeira Vine,

Hyacinthus Candicans,

Spotted Calla,
Oxalis, summer blooming, Cinnamon Vine Roots, German Iris, Delphinium Formosum, Lilies, etc.

—Write for Price List.—

E. S. MILLER, Wading River, N. Y.

CANNAS

Austria, Allemania, Alsace, Bouvier, Capt. Drugeon, C. Henderson, J. D Eisele, Florence Vaughan Kate Gray, Pres, Viger, Pennsylvania, Pres Meyer, Souv. de Ant. Crozy, $2.50 per 100; $20.00 per 1000. David Harum, $4.00 per 100; $35.00 per 1000. Egandale (3 in. pots only). $5.00 per 100 King Humbert, the king of all Cannas an extra large stock from strong 4-in. pots, $25.00 per 100.

Boston Ferns, Scottii, Elegantissima and Whitmanii. we have many thousand to offer from 2¼- to 4-in. at rock bottom prices. Can offer special bargains in R. C. **Beacon Carnations.** Write us for special prices.

W. W. COLES, Kokomo, Ind.

Neph. Whitmani

2¼-inch........................$ 5.00 per 100
3½-inch........................ 25.00 per 100

Boston Ferns 2¼-inch, $3.00 per 100.

Henry H. Barrows & Son, WHITMAN, MASS.

ARAUCARIAS.

Nice plants from 5-in. pots. 4 to tiers

60c each; $5.50 per dozen.

The Conard & Jones Co. WEST GROVE, PA.

Nephrolepis Amerpohlii

For immediate delivery. Good strong plants from 2½-in. pots, $15.00 per 100.

JANESVILLE FLORAL CO., JANESVILLE, WIS.

Syracuse, N. Y.

P. R. Quinlan & Co. are considering adding to their range this spring, although they have not definitely decided. They have been enjoying a good run of cut flower and plant trade. There has been an especially good sale of single violets at $1.50. They report that their Easter stock in all departments is looking well and will undoubtedly pan out for the Easter trade.

Henry Morris reports a large plant trade and says that the cool weather has helped to hold back the Easter stock. Funeral trade has been dull for the week past. Roses, carnations and azaleas are coming in well with a tendency towards low prices.

The landscape gardeners of this vicinity say that there will be considerable activity in this line this season. Wealthy people are improving their lawns and country places.

The new state fair commission will probably be appointed within a week by Governor Chas. E. Hughes. After this appointment there will be a field for landscape supply men.

A. J. B.

PREPARE FOR EASTER

Have Lilies to burn, the best in the land, the best in the land, the best in the land.
Azaleas, in finest colors, to beat the band, to beat the band, to beat the band.

Our immense stock of choice Easter plants, blooming Easter week or earlier if desired, are now ready for immediate shipment.

No dull times at Aschmann's. Come and see our BIG RUSH in shipping **Azalea Indica, etc.** Why? No wonder! Our **Azaleas** are of first-class No. 1 stock.

We make a specialty of importing every year an immense choice stock of this so well favored Easter plant.

Azalea Indica. We make a specialty of importing every year an immense stock of the choicest varieties popular in America, grown under contract for us by an Azalea specialist in Ghent, Belgium. If you need Azaleas, don't look around in vain all over the country for bargains, but come or write direct to us. We will be able to supply you with the best obtainable in the American market; full of buds; in good, healthy condition, right for Easter; all planted in October or November in 6 to 7 in. pots.

☞ **Take Notice.** We do not sell Azaleas in the fall, having the best picked out (and having the rubbish left for Easter), but we keep them all full of buds for our customers for Easter. Mme. Van der Cruyssen (2,500 of them), this is the best double pink variety known to the market, round as an apple, covered with buds; Bernard Andreas Alba (dbl. white), 6-7 in. pots, $1.00 each; Simon Mardner (dbl. pink), Vervæneana (variegated dbl. rose), Niobe (dbl. white), Deutsche Perle (dbl. white), Empress of India (dbl. variegated), Apollo (beautiful red), Professor Wolters, and about six more varieties. Price: 6-7-in. pots, $1.00 up, $1.25, $1.50 to $2.00 each.

Come on! Mail your orders direct to headquarters. Our reputation over the entire country, from the Atlantic to the Pacific, in growing Easter plants for the wholesale market, for the last fifteen years, ought to be sufficient guarantee as to the truth of what we say and advertise. Be wise. Never mind about that nonsense—hard times talk! ☞ Look for a big Easter trade, which is sure to come. ☞ Secure your orders in time while we have plenty of stock. All our houses are full to their utmost capacity with the choicest plants in bud and bloom, just right for Easter or earlier if wanted.

Araucarias Robusta Compacta and **Glauca,** a perfect marvel and wonder of nature. We are one of the heaviest importers and cultivators of this beautiful decorative plant. Our plants are about the same in height as in width.

Robusta Compacta, 7-in. pots, specimen plants, 6-year-old, 5 tiers, 27 to 30 in. high, $2.00 to $2.50 each.

Excelsa Glauca, specimen 7-in. pots, 6-year-old (the fine bluish-green color makes or gives this variety a fine, striking appearance—sells at sight), 30 to 40-in. high, 4, 5 and 6 tiers, $1.50, $1.75, $2.00, $2.50 to $3.00 each.

Araucaria Excelsa, 6-in. pots, 4 to 5 years old, 20 to 25 in. high, 4,5 and 6 tiers. 75c to $1.00 each; 5¼-in. pots, 3 years old, 3 to 4 tiers, 7, 8, 10 to 14 in. high, 50c each.

Choice Nephrolepis, all pot-grown.

Boston Ferns, 8-in., as big as a washtub. $1.25 to $1,50 each; 7-in., $1.00; 6-in., 50c; 5 to 5½-in., 35c to 40c.

Scottii Ferns, 7-in., $1.00 to $1.25; 6-in., 50c; 5½-in., 40c.

Whitmani Ferns, 4-in., 25c.

Piersoni Ferns, 5, 5½ to 6-in., 30c, 40c to 50c.

Neph. Amerpohlii, the new lace fern, 5¼-in. pots, 50c to 60c.

Ferns for Dishes, 3-in., large, 7c,

Primula Obconica, 5¼-in., in bloom, $2.00 to $2.50 per doz,

Hyacinths, raised from first-class bulbs of our own importation. These hyacinths cannot be compared with the ordinary stock raised from cheap bulbs flooding the market. King of the Blues (dark), Grand Maitre (lavender blue), Gertrude (pink), La Grandesse (white), 4-in. pots, $12.00 per 100.

Tournesol Tulips, red and yellow variegated. This is the best selling double tulip on the market; it will stay in bloom and in good condition for ten days. Price: 3 bulbs planted in 4-in. pot, $1.50 per doz. pots, or $12.00 per 100.

Double Von Sion Daffodils, the best selling double yellow narcissus on the market; sells at sight; 3 double nosed bulbs planted in one pot. 5, 5½ to 6-in. pots, $2.00 to $2.50 per doz. pots.

Ipomea Noctiflora, or pure white Moonflower, very fragrant, and big as a saucer. On this variety we have a world-wide reputation as a grower and shipper for the last twenty years. Price; 2½-in. pots, $5.00 per 100.

If you would know the fairest sight your eyes can ever see,
Where the most perfect plants are grown, to Aschmann's come with me.
Why, ne'er since flowers began to bloom was such a glorious show
Of all the best that florists need found in one place to grow.
The Lilies are the very best yet seen on Easter day;
Azaleas are whole sheets of flowers, perfect in every way;
The Araucarias matchless are, so are the Ferns all green,
With Bulbs and Plumed Spirea, the best you've ever seen.
And Aschmann gives a challenge, let every florist hear;
For flowers, or prices either, no rival does he fear.
If you wish to gather dollars like violets in the spring,
Then send your largest order, his plants the cash will bring.

Ficus Elastica or **Rubber Plant,** home grown and Belgium stock, 5, 5½, 6 and 7 in. pots, 30c, 35c, 50c, 60c and 75c each.

Begonia Improved Erfordii, 4-in. pots, very large, $2.00 per doz.; 5¼-in., in bloom and bud, 25c each, or $3.00 per doz. **Begonia Flambeau,** 5½-in. pots, sells on sight, 25c.

Cyclamen Grandiflora, 4-in., in bud and bloom, 20c.

Hydrangea Otaksa, 6 to 7 in. pots, in bud, 35c, 50c, 75c and $1.00 each; right for Easter.

Spirea Gladstone. 6 to 7-in. pots, large stock, right for Easter, in bud now, 50c to 75c.

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Kentia Belmoreana and **Forsteriana,** Belgium and home-grown stock, 4-in. pots, 18 to 20 in. high, 35c; 5¼, 5½ and 6 in. pots, bushy plants, 50c, 60c and 75c each.

Latania Borbonica, 5-in., 30c.

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On account of the cultivation of lilies being no more profitable, kindly order some other plants also in connection with lilies.

Have **Azaleas** White Deutsche Perle and Vervæneana now in bloom if wanted, 60c, 75c to $1.00 each.

We Print No Catalogue. These are our lowest prices to all. Strictly no preferences will be investigated in busy season.

Cash with order, please. To save express charges, please mention if in or out of pots.

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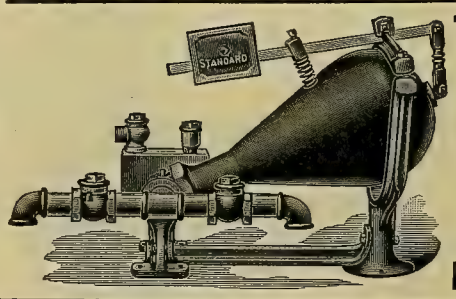

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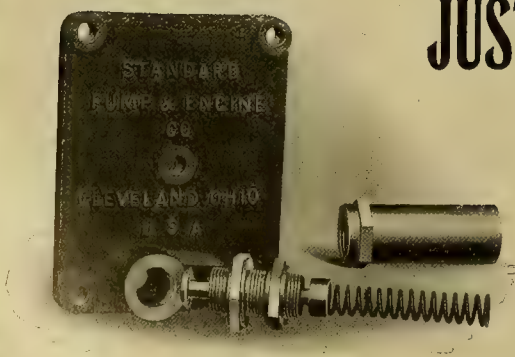

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Caladium esculentum. 1st size, $2 per 100; 2nd size, $1. R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Cannas, Rosea Gigantea, strong plants, $2 each, prepaid; $18 per doz. Gladio-Flora, $2 each, prepaid; $18 per doz. Meteor, plants or dormant roots, 75c each, prepaid; $6 per doz. William Saunders, plants, 60c each, prepaid; $5 per doz.; $35 per 100. Conard & Jones Co., West Grove, Pa.

Cannas, 2 and 3-eye divisions, Allemania, Austria, Chas. Henderson, Fair Hope, Progression, Shenandoah, $2 per 100; $17 per 1,000. Beaute Poitevine, Crimson Bedder, Egandale, F. Vaughan, Papa Nardy, $3 per 100; $25 per 1,000. King Humbert, $10 per 100. Storrs & Harrison Co., Painesville, O.

Cannas, Black Beauty, Egandale, Antoine Bouvier, Burbank, Kate Gray, $3 per 100. Buffalo Cut Flower Co., 468 Washington St., Buffalo, N. Y.

Cannas. J. M. Thorburn & Co., 33 Barclay St., New York.

Cannas, leading vars., $10 per 1,000 up. Dingee & Conard Co., West Grove, Pa.

Cannas, Chas. Henderson, $2 per 100. Jos. H. Cunningham, Delaware, O.

CARNATIONS.

Carnations, rooted cuttings, Afterglow, Andrew Carnegie, Defiance, Sarah Hill, Winona, $12 per 100; $100 per 1,000. White Enchantress, $6 per 100; $55 per 1,000. Lady Bountiful, Victory, Robt. Craig, Enchantress, $3 per 100; $25 per 1,000. Aristocrat, Winsor, $6 per 100; $45 per 1,000. Red Chief, Red Riding Hood, $5 per 100; $40 per 1,000. Pink Patten, Mrs. Patten, $2.50 per 100. $20 per 1,000. Mrs. T. W. Lawson, Prosperity, $2 per 100; $15 per 1,000. Rose Pink Enchantress, $4 per 100; $30 per 1,000. Vaughan's Seed Store, Chicago and New York.

Carnations, John E. Haines, Imperial and Pink Imperial, Enchantress, $6 per 100; $50 per 1,000. John E. Haines, Bethlehem, Pa.

If you do not find what you need in our Ready Reference Department, write us about it.

CARNATIONS.

	100	1,000
Enchantress	$2.50	$20.00
Lawson	2.00	15.00
Robt. Craig	2.50	20.00
W. Cloud	1.50	10.00
W. Lawson	2.00	15.00
Nelson Fisher	2.50	20.00

WIETOR BROS., 51 Wabash Ave., Chicago.

Carnations, White Perfection, Rose Pink Enchantress, Victory, Robt. Craig, $3 per 100; $25 per 1,000. White Enchantress, $6 per 100. Enchantress, $2 per 100; $15 per 1,000. Lawson, $1.75 per 100; $15 per 1,000. Helen Goddard, $2.50 per 100. Aristocrat, $5 per 100. Beacon, $6 per 100; $45 per 1,000. Harlowarden, $1.75 per 100; $15 per 1,000. Eli Cross, Grand Rapids, Mich.

Carnations, Lawson, $1.50 per 100; $12.50 per 1,000. Winsor, $5 per 100; $40 per 1,000. Rose Pink Enchantress, $3 per 100; $25 per 1,000. Enchantress, White Lawson, Lady Bountiful, $2 per 100; $15 per 1,000. B. Market, $1.25 per 100; $10 per 1,000. Beacon, $5 per 100; $40 per 1,000. Robt. Craig, $2.50 per 100; $20 per 1,000. Cardinal, $2 per 100; $17.50 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Carnations, Winsor, Helen Gould, Beacon, $6 per 100; $50 per 1,000. White Enchantress, $7 per 100; $60 per 1,000. Melody, Victory, $4 per 100. Enchantress, Lady Bountiful, Red Lawson, V. Lawson, W. Lawson, Daheim, $3 per 100; $25 per 1,000. Mrs. Lawson, B. Market, $2 per 100; $15 per 1,000. Wood Bros., Fishkill, N. Y.

Carnations. White Lawson, Pink Lawson, R. C., $2 per 100; $20 per 1,000. Var. Lawson, R. C., $2.20 per 100; $20 per 1,000. Victory, Rose Pink Enchantress, Enchantress, R. C., $3 per 100; $25 per 1,000. Winsor, White Enchantress, Aristocrat, R. C., $5 per 100; $45 per 1,000. White Perfection, R. C., $4 per 100; $35 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Carnations, Enchantress, $1.75 per 100; $15 per 1,000. Mrs. T. W. Lawson, B. Market, $1.50 per 100; $12 per 1,000. Rose Pink Enchantress, Victory, $3 per 100; $25 per 1,000. White Enchantress, Aristocrat, Winsor, $6 per 100; $50 per 1,000. A. F. Longren, Des Plaines, Ill.

Carnations, Winona, $12 per 100; $100 per 1,000. Red Chief, $5 per 100; $40 per 1,000. Aristocrat, Winsor, Beacon, $6 per 100; $50 per 1,000. White Perfection, Rose Pink Enchantress, Enchantress, Lady Bountiful, $3 per 100; $25 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

Carnations. Winsor, Aristocrat, $6 per 100; $50 per 1,000. Victory, $3 per 100; $25 per 1,000. Enchantress, $2 per 100; $20 per 1,000. Lawson, $1.75 per 100; $15 per 1,000. White Lawson, $2 per 100; $18 per 1,000. E. T. Wanzer, Wheaton, Ill.

Carnations, Enchantress, Lady Bountiful, $2.50 per 100; $20 per 1,000. Rose Pink Enchantress, $3 per 100; $25 per 1,000. White Perfection, $4 per 100; $35 per 1,000. Queen, $2 per 100; $15 per 1,000. Bassett & Washburn, 76 Wabash Ave., Chicago.

Carnations, rooted cuttings, White Enchantress, Beacon, Red Nelson Fisher, Winsor, Aristocrat, $5 per 100; $45 per 1,000. Winsor, Beacon and White Lawson from soil, topped and breaks started, $1 per 100 extra. A. C. Canfield, Springfield, Ill.

Carnations, Winsor, $6 per 100; $50 per 1,000. Rose Pink Enchantress, $3.50 per 100; $30 per 1,000. Enchantress, Queen Louise, $2.50 per 100; $20 per 1,000; from 2¼-in., add $1 per 100. White Enchantress, 3-in., $7 per 100; $60 per 1,000. A. N. Pierson, Cromwell, Conn.

Carnations, April 14: Winsor, Beacon, $40 per 1,000. Pink Imperial, Aristocrat, $30 per 1,000. Enchantress, J. Haines, $12.50 per 1,000. White Perfection, $20 per 1,000. Pink Patten, $10 per 1,000. Victory, $20 per 1,000. A. M. Herr, Lancaster, Pa.

Carnations, Enchantress, $3 per 100; $25 per 1,000. Rose Pink Enchantress, $3.50 per 100; $30 per 1,000. Robert Craig, $3 per 100; $25 per 1,000. Vesper, $2.50 per 100; $20 per 1,000. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Carnations. Beacon, Winsor, $6 per 100; $50 per 1,000. White Perfection, Rose Enchantress, $4 per 100; $35 per 1,000. Enchantress, $3 per 100; $25 per 1,000. Peter Fisher, Ellis, Mass.

Carnations, Pure White Enchantress, strong healthy, well rooted cuttings $6 per 100; $50 per 1,000. Satisfaction guaranteed. A. J. Stahelin, Redford, Mich.

Carnations, Aristocrat, Winsor, $5 per 100; W. Perfection, $2.75; Enchantress, Lady Bountiful, $2; Victory, $2.75; Rose Pink Enchantress, $2.75. Perennial Gardens Co., Toledo, O.

Carnations, Victory, Imperial, Pink Imperial, Aristocrat, Winsor, Welcome, White Perfection, Lieut. Peary, Rose Pink Enchantress, Guttman & Weber, 42 W. 28th St., New York.

Carnations, Enchantress, $2 per 100; $18 per 1,000. Pettit & Sharpnack, Salem, O.

Carnation Beacon, R. C. W. W. Coles, Kokomo, Ind.

Carnations, rooted cuttings of all the new and leading commercial varieties. Send for price list. Wm. Swayne, Box 226, Kennett Square, Pa.

Carnations. Andrew Carnegie, $12 per 100; $100 per 1,000. Aristocrat, $6 per 100; $50 per 1,000. Chicago Carnation Co., Joliet, Ill.

Carnations, rooted cuttings, Fair Maid, Queen, $1 per 100; $8 per 1,000. Napoleon Lemay, 325 Hillman St., New Bedford, Mass.

Carnation. Defiance, $12 per 100; $100 per 1,000. Jensen & Dekema, 674 W. Foster Ave., Chicago, or W. N. Rudd, Morgan Park, Ill.

Carnations, 4,000 extra fine Winsor, 2½-in., $6 per 100; $50 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, Queen, $10 per 100. White Enchantress, $5 per 100. Philip Schupp, 37 Randolph St., Chicago.

Carnation Afterglow, $2 per doz.; $12 per 100; $100 per 1,000. R. Witterstaetter, Sta. F., Cincinnati, O.

Carnations. E. G. Hill Co., Richmond, Ind.

CHRYSANTHEMUMS.

Chrysanthemums, Virginia Poehlmann, Angele Laurent, Golden Dome, Mlle. Jeanne Rosette, Money Maker, 2¼-in., $2 per doz.; $10 per 100. Mrs. Clay Frick, Zimmers Yellow, Mary Mann, 2¼-in., $1 per doz.; $6 per 100; R. C., $5 per 100. Pompons, Klondyke, Quinola, choice single vars., Kitty Bourne, Mrs. Roberts. Amorita, 2¼-in., $1 per doz. Standard varieties: Kalb, Polly Rose, Early Snow, Oct. Frost, C. Touset, White Shaw, Robinson, Beatrice May, Merza, Niveus, Queen, Byron, Eureka, Wanamaker, Adelia, Mrs. McArthur, T. Eaton, Chadwick, Merry Christmas, Glory of Pacific, Rosiere, Shaw, Balfour, Duckham, Enguehard, M. F. Plant, Maud Dean, The Harriott, Mayor Weaver, Mrs. J. Marshall, Monrovia, G. Pitcher, Appleton, Bonnaffon, Golden Wedding, H. W. Rieman, Yellow Eaton, Cullingfordi, Merstham Red, Matchless, Mrs. Duckham, Old Gold. Pompons: Baby, Lula, Briolas, 2¼-in., 5c each; 50c per doz.; $3 per 100; $25 per 1,000; R. C., $2 per 100; $15 per 1,000, A. N. Pierson, Cromwell, Conn.

Chrysanthemums, Beatrice May, R. C., $4; plants, $6 per 100. C. Touset, Ivory, Mme. Castellier, A. Byron, Opah, Oct. Frost, Polly Rose, Geo. S. Kalb, Amorita, Pacific, Pink Ivory, Rosiere, Carrie, Monrovia, Oct. Sunshine, Halliday, Arline, M. Wanamaker, Mrs. Robinson, Mrs. Buckbee, Niveus, T. Eaton, Mrs. Swinburne, Dr. Enguehard, Mrs. Coombes, Mayor Weaver, Wm. Duckham, Appleton, Bonnaffon, Roi d'Italia, Yel, Eaton, T. Carrington, Nounier, W. H. Lincoln, Maud Dean, Mrs. Murdock, R. C., $2; plants, $3 per 100. Pres. Loubet, Mrs. A. T. Miller, Dakoma, Crocus, R. C., $4; plants, $6 per 100. Alice Roosevelt, Silver Wedding, Fidelity, Comoleta, M. Liger, V. Morel, Golden Wedding, Sunburst, Golden Chadwick, Ialene, Jno. Burton, J. Nonin, W. H. Chadwick, Yanoma, Red Intensity, R. C., $3; plants, $4 per 100. Pres. Roosevelt, R. C., $8; plants, $10. Winnefred, R. C., $6; plants, $8. Ongawa, Jeanne Rosette, R. C., $8; plants, $10. Elmer D. Smith & Co., Adrian, Mich.

CHRYSANTHEMUMS.

White.	Per 100		
Oct. Frost	$3.00	Black Hawk	2.00
Estelle	2.00	Pink	Per 100
Polly Rose	2.00	Monogram	$2.00
Robinson	2.00	Lady Hariett	3.00
Merry Xmas	2.00	Balfour	2.50
Yanoma	2.50	Mary Mann	2.00
A. Byron	2.50	Mrs. Perrin	2.00
W. H. Chadwick	3.00	Dr. Enguehard	2.00
T. Eaton	3.00	Maud Dean	2.00
C. Touset	2.00	Yellow	
Beatrice May	3.00	Appleton	$2.00
Kalb	2.00	Golden Beauty	3.00
W. Bonnaffon	2.00	Golden Wedding	2.50
Wanamaker	2.00	Oct. Sunshine	2.00
Red		Chas. Cronin	2.00
Intensity	2.00	Maj. Bonnaffon	2.00
		Y. Eaton	3.00

WIETOR BROS., 51 Wabash Ave., Chicago.

Chrysanthemums, rooted cuttings: White, Timothy Eaton, Mrs. Geo. S. Kalb, fine early; Estelle, White Bonnaffon, Alice Byron, Ivory, C. Touset, Jeannie Nonin, October Frost, Pink: Glory of the Pacific, Mary Mann, Dr. Enguehard, Maud Dean, Rosiere. Yellow: Major Bonnaffon, Yellow Eaton, Cremo, Robt. Halliday. Yellow Jones "Baby" small yellow, $2 per 100; $15 per 1,000. Cash with order. Wm. Swayne, P. O. Box 226, Kennett Square, Pa.

MUM CUTTINGS. The big money makers: Beatrice May, C. Touset, Adelia, Oct. Frost, and Jeanne Nonin, fine stock, only $1.50 per 100; strong from soil. $2.50 per 100. Not more than 25 per cent Beatrice May in any order at above price. W. J. Olds, Union City, Pa.

Chrysanthemums, Monrovia, Oct. Sunshine, F. A. Cobbold, Mrs. Pockett, Col. Appleton, Nellie Pockett, Cheltoni, Lady Hopetoun, White Coombes, Ben Wells, etc., $3 per 100; $25 per 1,000; 2¼-in. Chas. H. Totty, Madison, N. J.

Chrysanthemums, 2-in., William Simpson, Glory of Pacific, Polly Rose, Monrovia, Omega, $2.50 per 100; Rosiere, $3 per 100. Storrs & Harrison Co., Painesville, O.

Chrysanthemums, hardy, small flowered, $2 per 100; large flowered or aster type, $3 per 100. R. Vincent & Sons Co., White Marsh, Md.

Chrysanthemums, R. C., leading vars. $1, $1.50 and $2 per 100. Schmalzl & Hembreiker, Lincoln, Ill.

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Cineraria hybrida, 4-in., 10c; 5-in., 20c; 6-in., $3 to $5 per doz. G. Aschmann, 1012 W. Ontario St., Philadelphia.

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Coleus, Verschaffeltii, Golden Queen, Fire Brand, Lord Palmerston, Queen Victoria, Beckwith's Gem, R. C., 60c per 100; $5 per 1,000. Golden Bedder, Hero, Messey, Pearl of Orange, 75c per 100; $6 per 1,000. Fancy vars., 12 kinds, 75c per 100; $6 per 1,000. A. N. Pierson, Cromwell, Conn.

Coleus, Verschaffeltii, Golden Bedder, etc., $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Coleus, in standard varieties, 2¼-in., $2.25 per 100; $20 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Coleus, 10 varieties, 2-¼ in., $2 per 100. Jos. H. Cunningham, Delaware, O.

Coleus, R. C., 70c per 100; $6 per 1,000. S. D. Brant, Clay Center, Kans.

Coleus, 2-in., 2c. Byer Bros., Chamberb'g, Pa.

CUPHEAS.

Cupheas, 2 kinds, R. C., 75c. Byer Bros., Chambersburg, Pa.

Cupheas, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

CYCLAMENS.

Cyclamens, Craig's strain, twice transp., $4.50 per 100; $40 per 1,000. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Cyclamen grandi, 4-in., 20c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

DAHLIAS.

Dahlias, A. D. Livoni, Aegir, Admiral Dewey, Bon Ton, Black Diamond, Blackbird, Cornucopia, Capstan, C. Duer, C. W. Bruton, Firerain, Gracie, Gen. Buller, Gottelinde, Grand Duke Alexis, Henry Patrick, Horn of Plenty, Kriemhilde, Landrath, Dr. Schiff, Lyndhurst, Queen Victoria, Ruckert, Ringdove, Sylvia, Uncle Tom, $1 per doz.; $8 per 100. Alba Superba, Arabella, Chameleon, Crimson Century, Duchess of Cambridge, Emily, Frank Smith, Frute, Floradora, Florence M. Stredwick, Fanny Purchase, J. H. Jackson, John Thorpe, Mme. A. Moreau, Miss May Loomis, Queen of Yellows, Red Hussar, Standard Bearer, Twentieth Century, $1.25 per doz.; $10 per 100. Amos Perry, Else, Flora, H. W. Sillem, Harbor Light, Lenau, Reliable, Shooting Star, Walthari, $2.50 per doz.; $15 per 100. Cuban Giant, Maroon Century, Scarlet Century, $2.50 per doz.; $20 per 100. Frau Hermine Marx, $2.50 per doz.; $18 per 100. Mrs. Roosevelt, $2 per doz.; $15 per 100. Souv. de Gustave Doazon, $3.50 per doz.; $25 per 100. One each of 59 var., $6. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Dahlias, field clumps; cactus: Mrs. A. Beck, C. Woodbridge, Miss A. Nightingale, F. Bartels, $1 per doz. Kriemhilde, Countess of Lonsdale, $1.50 per doz. Decorative: Zulu, Oban, Iridescent, Mrs. Geo. Reed, $1 per doz.; C. W. Bruton, Sylvia, $1.50 per doz. Show: A. D. Livoni, $1.50 per doz.; Cameliaflora, $1 per doz. Single: J. Cowan, Jno. Downie, $1.50 per doz.; Sunningdale, $1 per doz. Mixed colors: All colors, good var., 75c per doz.; mixed yellow, 75c per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Dahlias, field roots, divided; out of 250 varieties under test from America and Europe, I offer for growing on the corn soils of the Mississippi valley and central west 25 varieties out of the "best" standard sorts at $4 per 100; 25 varieties at $8 per 100 out of the finer and newer "best" list; at $3 per 100 out of six colors in white, red, scarlet, pink, purple, yellow, double named valuable sorts. Write Ferndale Nurseries, Harlan, Iowa (near Omaha).

Dahlias, field-grown, Wm. Agnew, Countess of Lonsdale, Nymphæa, Mrs. Wellesley, Admiral Dewey, A. D. Livoni and Fern-Leaf Beauty, $5 per 100; Grand Duke Alexis and Kriemhilde, $7 per 100. Storrs & Harrison, Painesville, O.

Dahlias, 20 choicest named varieties, $8 per 100; 10 fine named varieties, $5 per 100; all field-grown. Zulu, fine dark red, $3.50 per 100; undivided clumps, mixed, $3. Wagner Park Conservatories, Sidney, O.

Dahlias, 75 vars. in cactus, decorative, show and pompon, true to name, $5 per 100 up; 1,000, 50 each of 20 vars., our selection, $40. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Dahlias, novelties and standard varieties, true to name. A choice list of the best introductions. Send for catalogue of dahlias, hollyhocks, hardy plants. W. W. Wilmore, Box 382 Denver, Col.

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Dahlias, strong field-grown roots, double mixed, 100, $2.25; named varieties, 100, $4. H. H. Kern, Bonner Springs, Kans.

Dahlias, all leading vars., $45 to $50 per 1,000. Dingee & Conard Co., West Grove, Pa.

Dahlias, leading varieties. David Herbert & Sons, Atco, N. J.

DAISIES.

Daisies, Shasta: Alaska and Burbank, undivided field clumps, $5 per 100; seedlings and transplanted, $1.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Shasta daisies, field-grown, 100, $2.50; 1,000, $20. H. H. Kern, Bonner Springs, Kans.

DEUTZIAS.

Deutzia gracilis, 7-in., 15c each; $1.50 per doz.; Lemoine, 7-in., 25c each; $2.50 per doz. Vaughan's Seed Store, Chicago and New York.

DRACENAS.

Dracæna indivisa, 4-in., $2 per doz.; $12 per 100; 5-in., $3 per doz.; $20 per 100; 6-in., $6 per doz.; $40 per 100; 7-in., $9 per doz.; 8-in., $12 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Dracæna indivisa, 4½-in., $2 per doz.; $15 per 100; 5-in., $3 per doz.; $20 per 100. Frank Oechslin, 2572 W. Adams St., Chicago.

Dracæna indivisa, from 4-in., fine, $6 per 100. Cash with order. L. Menand, Albany, N. Y.

Dracæna, indivisa, 4-in., $2 per doz.; 5-in., $3 per doz. Strong plants. C. C. Pollworth Co., Milwaukee, Wis.

Dracæna indivisa, 2¼-in., $2; 3-in., $5 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Dracæna indivisa, 2-in., $3 per 100. Geo. M. Emmans, Newton, N. J.

EUONYMUS.

Euonymus radicans, 1, 1½-ft., $6; 2, 2½-ft., $8 per 100; bushy plants. Brae-Burn Nursery, West Newton, Mass.

FERNS.

Ferns for dishes, 6 vars., 2-in., 50c per doz.; $3 per 100; $25 per 1,000; 3-in., 75c per doz.; $6 per 100. Boston, 4½-in., $2.50 per doz.; $20 per 100; 5-in., $3 per doz.; $25 per 100; 6-in., $6 per doz.; $50 per 100; 7-in., $9 per doz.; 8-in., $12 per doz. Whitmani, 8 and 9-in., $1.50 and $2 each. Anna Foster, for baskets, $2 each. Boston for baskets, 8-in., $1.25 each; 10-in., $2 each. Pteris Wimsetti and Ouvrardi, 4½-in., $2 per doz.; $15 per 100. Cyrtomium falcatum, 4½-in., $2 per doz.; $15 per 100; 5-in., $3 per doz.; $25 per 100; 6-in., $5 per doz. Frank Oechslin, 2572 W. Adams St., Chicago.

Ferns, fine stock, Adiantum cuneatum, 5-in., $3 per doz. Cyrtomium falcatum, 3½-in., $6 per 100; 2¼-in., $3 per 100. Pteris Mayii, 3-in., $6 per 100. Pteris Cretica alba lineata, 3-in., $6 per 100; 2¼-in., $3 per 100. Pteris Wimsetti, improved, extra, 4-in., $10 per 100. Aspidium Tsussimense, 3-in., $6 per 100. All the above of exceptional value. Cash with order. L. Menand, Albany, N. Y.

Ferns, Elegantissima, 2¼-in., $6 per 100; 3½-in., $15 per 100; 6-in., 50c each; 8-in., $1 and $1.50 each; 10-in., $2 each. Whitmani, 2¼-in., $6 per 100; 3½-in., $15 per 100; 6-in., 50c and 75c each; 8-in., $1.50 each; 10-in., $2 each. Scotti, 6-in., 50c each. Boston, 2¼-in., $4 per 100; 6-in., 50c each; 8-in., $1 each. Small ferns for pans, $4 per 100; $30 per 1,000. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston, 8-in., $1.25 to $1.50 each; 7-in., $1; 6-in., 50c; 5 to 5½-in., 35c and 40c. Whitmani, 8-in., $1.50; 6-in., 50c. Scottii, 7-in., $1 to $1.25; 6-in., 50c; 5½-in., 40c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns, Whitmani, small from bench, $3 per 100; 2½-in. pots, $5 per 100; 3-in., $5 per 100; 4-in., $25 per 100; 6-in., $50 per 100; 8-in., $1.50 per 100. Full pots and perfect plants. B. M. Wichers & Co., Gretna, La.

Ferns, Boston, Piersoni, Annie Foster and Elegantissima, all sizes. Strong plants at bottom prices; see display adv. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns, Boston, 2½-in., 4c; 3-in., 8c; 4-in., 15c; 5-in., 25c; 6-in., 40c; 7-in., 65c; 8-in., $1 to $1.50; 10-in., $1.50 to $2. J. W. Dunford, Clayton, Mo.

Ferns, Whitmani, 2½-in. plants, sturdy and strong, $3.50 per 100; $30 per 1,000. Memphis Floral Co., 145 S. Main St., Memphis, Tenn.

Ferns, Whitmani, 2¼-in., $5 per 100; 3½-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Son, Whitman, Mass.

Ferns, Boston from bench, ready for 4-in., 6-in., and 8-in. pots, price $15, $25 and $35 per 100. Miami Floral Co., Dayton, O.

Ferns, N. Amerpohlii, 2½-in., $15 per 100. Janesville Floral Co., Janesville, Wis.

Ferns, Boston, 5-in., 30c each. Geo. M. Emmans, Newton, N. J.

Ferns, Scottii, Elegantissima, Whitmani, 2¼-in. W. W. Coles, Kokomo, Ind.

Ferns, 2½-in., $4 per 100; $30 per 1,000. Storrs & Harrison, Painesville, O.

FEVERFEW.

Feverfew, 2-in., $2 per 100. Mosæk Greenhouse Co., Onarga, Ill.

Feverfew, young plants, 75c per 100. Byer Bros., Chambersburg, Pa.

FICUS.

Ficus pandurata, in tubs, single stems, 6 ft., $7.50 each; branched, 5½ ft., $7.50 each. Robt. Craig Co., Market and 49th Sts., Phila.

Ficus elastica, 5 to 7-in., 30c to 75c each. G. Aschmann, 1012 W. Ontario St., Phila.

FUCHSIAS.

Fuchsias, $1 per 100. Shippensburg (Pa.) Floral Co.

GENTIANS.

Gentians, acaulis, verna; Edelweiss, 10 others plants,, $2 postpaid. English Home of Alpine Plants, South Pool, S. Devon, England.

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GERANIUMS, 100,000 Rooted Cuttings. We are supplying the finest stock on the market of the following SUPERB BEDDERS: S. A. Nutt, greatest crimson; Peter Henderson, grand new semi-double scarlet: Beaute Poitevine, best salmon; Mme. Buchner, the only double white; Jean Viaud, pure pink. Strong top cuttings ready for 2½-in., pots, true to name, $1.50 per 100: $15 per 1,000. Cash. Prompt shipment. The W. T. Buckley Co., Springfield, Ill.

Geraniums out of 2½-in. pots, 6 to 8 ins., tall, sturdy plants, ready to shift: A. Ricard, E. H. Trego, Hiawatha, Jean Viaud, $2.50 per 100; $22.50 per 1,000. Memphis Floral Co., 145 S. Main St., Memphis, Tenn.

Geraniums, Nutt, Doyle, Perkins, Ricard, dbl. Grant, 2-in., $2.50 per 100; R. C., $1.25 per 100. Trego, Castellane, Poitevine, Viaud, 2-in., $3 per 100; R. C., $1.50 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, 2-in., standard sorts, and new vars., $2 per 100 up to $1 each; $1,000, 20 good vars., our selection, $18.50. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, Nutt, Perkins, Buchner, Doyle, $10 per 1,000. Viaud, Poitevine, Castellane, Ricard, $12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, 10 vars., 2½-in., $3 per 100; $25 per 1,000; 3-in., $4 per 100; rose geraniums, $2 per 100. Jos. H. Cunningham, Delaware, O.

Geraniums, standard, our choice of vars., in red, pink and white, $2 per 100. Storrs & Harrison Co., Painesville, O.

Geraniums, 6 varieties double, S. A. Nutt and others, 2½-in., $2.50 per 100; $22.50 per 1,000. The Krueger Bros. Co., Toledo, O.

Geraniums, S. A. Nutt, 2-in., $18 per 1,000. C. B. Knuth, 11801 St. Clair Ave., Cleveland, O.

Geraniums, 4-in., in bloom, $12 per 100. J. W. Dudley & Sons, Parkersburg, W. Va.

Geraniums, 2-in., $15 per 1,000; 2½-in., $18 per 1,000. Schmaus Bros, Paducah, Ky.

Geraniums, 2½, 3 and 4-in. Geo. A. Kuhl, Pekin, Ill.

The American Florist invites attention to the class of business firms in its adv. columns.

GLADIOLI.

Gladiolus, Princeps, medium, $9 per 100. Mrs. Francis King, $4 per 100; $30 per 1,000; America, $7.50 per 100; $60 per 1,000; Augusta, $2 per 100; $17 per 1,000. Brenchleyensis, $1.45 per 100; $12 per 1,000. Ceres, $1.45 per 100; $12.50 per 1,000. Mme. Moncret, $1.75 per 100; $15 per 1,000. May, $1.75 per 100; $15 per 1,000. "1900," $2.50 per 100. Shakespeare, $4.25 per 100; $38 per 1,000. Florist mixture, made from named light and white vars., $1.75 per 100; $15 per 1,000. Vaughan's Seed Store, Chicago and New York.

Gladiolus bulbs, over 15,000 bushels harvested. Groff's hybrid and other strains and named varieties of exceptional merit. Write for 1907 illustrated catalogue. Arthur Cowee, Gladiolus Specialist, Meadowvale Farm, Berlin, N. Y.

Bulbs, Gladiolus primulinus, $8 per doz.; $60 per 100. Primulinus hybrids, $3 per doz.; $20 per 100. J. M. Thoburn Co., 33 Barclay St., New York.

Gladiolus. Fine light shades, $1 per 100; 2nd size, 60c; dark shades, $1 per 100; $8 per 1,000. Finest Groff's, $1.50 per 100; 2nd size, 90c. Wagner Park Conservatories, Sidney, O.

Gladiolus America, $6.50 per 100; $60 per 1,000. Write for prices on other stock. Cushman Gladiolus Co., Sylvania, O.

Gladiolus Lemoinei and Nanceianus. V. Lemoine & Son, Nancy, France.

Gladiolus, leading vars. E. E. Stewart, Rives Junction, Mich.

Gladiolus, Hyacinthus candicans, spotted callas, oxalis, cinnamon vine, German Iris, lilies. E. S. Miller, Wading River, N. Y.

GLOXINIAS.

Gloxinias. L. Van Houtte, Pere, Ghent, Belgium.

GREENS.

Greens, dagger and fancy ferns, $1.75 per 1,000. Bronze and green galax, $1.25 per 1,000. Leucothoe sprays, $1 per 100; $7.50 per 1,000. Sphagnum moss, per bale, $1.25. Boxwood bunches, 35c; 50 lbs., $7.50. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit.

Greens, bronze, galax, $8.50 per case of 10-000; green, $7.50. Dagger and fancy ferns, $1.50 per 1,000. Laurel festooning, boxwood, southern wild smilax, sphagnum moss and green moss, leucothoe sprays, etc. H. M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, cut palmetto and cycas leaves, galax, leucothoe, ferns, mosses, etc. Kervan Co., 113 W. 28th St., New York.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 53 W. 28th St., New York.

Greens, smilax, ferns, palm leaves, etc. John P. Scherer, Union Hill, N. J.

Greens, southern wild smilax. E. A. Beaven, Evergreen, Ala.

HARDY PERENNIALS.

Perennials, replanted into flats. Any at $10 per 1,000: Myosotis, Stokesia cyanea, bellis, eulalias, rianthus ravennæ, Aster Bessarabicus, Achillea, Lobelia cardinalis pentstemons, Rudbeckia triloba, tritoma asst.; campanulas, named and asst.; digitalis, Yucca filamentosa, delphinium, asst.; sweet william, single mixed; Lychnis Chalcedonica, also Haageana hybrids, Dianthus plumarius, mixed; Shasta daisy Alaska, Ampelopsis Veitchii, Veronica longifolia sub.; Gaillardia grandi; also Kelway's hybrids. In pots, 1-yr.-old; Dianthus, 5-in., $10 per 100. Coreopsis lanceolata, 5-in., $8 per 100. Campanula, asst., 6-in., $12 per 100. Grave myrtle, 2¼-in., $25 per 1,000; 3-in., $40 per 1,000. Perennial clumps from field, 12c per clump, except where specified: Iris Germanica, all colors, named, 10c; Kaempferi, blue, tall, 10c; Bachelor's buttons, yel., 2 ft., 10c; campanula, asst.; Chrysanthemum uliginosum, C. Shasta daisy; Coreopsis lanceolata; day lily, 5 ft.; gaillardia; golden glow, 8c. Lynchnis Chalcedonica; delphinium; phlox, all colors, named; pentstemons, asst.; Polemonium cæruleum; Physostegia speciosa, grand., mixed; Yucca filamentosa, 25c. Geo. Wittbold Co.,, 1657 Buckingham Pl., Chicago.

Perennials. All field clumps, $3 per 100; Achiillea. The Pearl, anthemis, Aegopodium variegata, Alyssum argenteum, asters, chelone, bocconia, asphodelus, assorted phlox, Helianthus max, Hel. rigidus; heliopsis, Hemerocallis fulva, hibiscus, double hardy pinks, assorted German iris, Rudbeckia laciniata, R. Golden Gliow, solidago. Following at $5 per 100: Delphinium Chinensis, Del. formosum, digitalis, Funkia cœrulea, named German iris, Pyrethrum uliginosum, periwinkle, platycodon, valeriana. Following $6 per 100: Named phlox, hardy pinks, 4 varieties, liatris, Lychnis Chalcedonica, aquilegia in variety, Shasta daisies. Following at $7 per 100: Eulalia 3 varieties, Tritoma Pfitzeri, Yucca, mixed peonies. Following at $10 per 100: Tritoma Express, named peonies, all colors. Wagner Park Conservatories, Sidney, O.

Iris pallida dalmatica, a beautiful shade of lavender; the largest and most beautiful of all the German iris, perfectly hardy, and free flowering; one of the good things almost lost to horticulture, $12 per 100; $100 per 1,000. Cash with order. J. A. Peterson, McHenry Ave., Westwood, Cincinnati, O.

Hardy plants. Get our prices for field-grown stock. We have one of the finest assortments of undivided clumps, also in seedlings and transplanted. Ask for descriptive list. Mosbæk Greenhouse Co., Onarga, Ill.

Hardy perennials, anemone, aster, campanula, delphinium, funkia, hemerocallis, hepatica, incaryillea, iris, peony, phlox, primula, pyrethrum, tritoma. Royal Tottenham Nurseries, Ltd., Dedemsvaart, Holland.

Vines, perennial sweet peas, assorted, $4 per 100. Clematis Virginiana, English ivy, Hall's Japan and golden honeysuckles, $6 per 100, all large field-grown. Wagner Park Conservatories, Sidney, O.

Hardy pinks, R. C., 5 kinds, 75c. Byer Bros., Chambersburg, Pa.

HELIOTROPES.

Heliotrope, 4 of the best, R. C., $1; 2¼-in., $2.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Heliotrope, R. C., $1 per 100; $8 per 1,000. S. D. Brant, Clay Center, Kans.

Heliotropes, 3 kinds, R. C., $1 per 100; 2-in., 2c. Byer Bros., Chambersburg, Pa.

Heliotrope, R. C., 75c per 100; $6 per 1,000. A. N. Pierson, Cromwell, Conn.

If you do not find what you need in our Ready Reference Department, write us about it.

HOLLYHOCKS.

Hollyhocks, 3-in., double, white, pink, red, yellow, $3 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Hollyhocks, single, field-grown, $2.50 per 100. Byer Bros., Chambersburg, Pa.

HYDRANGEAS.

The new American Hydrangea, H. arborescens sterilis, 2 to 3 ft., $4.25 per doz.; $35 per 100; 15 to 20 ins., $3.50 per doz.; $25 per 100; from pots for planting out, $8 per 100; $75 per 1,000. The E. Y. Teas Co., Centerville, Ind.

Hydrangeas, Otaksa and Thos. Hogg, 6-in., 3 to 4 flowering stems, $5 per doz.; $40 per 100; 7-in., 5 to 6 flowering stems, $8 per doz.; $75 per 100. Vaughan's Seed Store, Chicago and New York.

Hydrangea otaksa monstrosa, 4-in., $6 to $8 per 100; 5-in., $12 to $15 per 100; 10-in., very large, $1 each. All above are pot grown. From 6 to 7-in. pots, potted from open last Sept., $3 per doz.; $20 per 100. E. Fryer, Johnstown, Pa.

Hydrangea paniculata, 2 to 3 ft., 15c to 35c each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Hydrangea Otaksa, $9, $12, $15 per doz.; specimens, $3 to $10 each. J. W. Dudley & Sons, Parkersburg, W. Va.

Hydrangea Otaksa, 6 to 7-in., 35c to $1 each. G. Aschmann, 1012 W. Ontario St., Phila.

Hydrangeas, 3 to 6 buds. Geo. A. Kuhl, Pekin, Ill.

Hydrangeas. W. & T. Smith Co., Geneva, N. Y.

IMPATIENS.

Impatiens, 3 kinds, R. C., $1. Byer Bros., Chambersburg, Pa.

IVIES.

For Sale—200 or more English ivy, some in 4-in., some in 3½-in. Your own price if you take all at once. C. A. Martin, Zion City, Ill.

English ivy, hardy, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Ivy, German, 75c per 100. Shippensburg (Pa.) Floral Co.

LANTANAS.

Lantanas, 5 vars., $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

LILACS.

Lilacs, Persian, also German white and light and dark purple, 3 to 6 ft., 25c to $2 each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Lilacs, Chas. X. and Marie LeGray, $1 each; $10 per doz. Vaughan's Seed Store, Chicago and New York.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

From Storage.

Lily of the valley, surplus early forcing pips, $10.50 per 1,000; $25 per case of 2,500; $1.50 per 100; finest cold storage pips, $14 per 1,000; $1.75 per 100. H. N. Bruns, 1407-11 W. Madison St., Chicago.

Lily of the valley pips, cold storage. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley, for forcing. Vaughan's Seed Store, Chicago and New York.

Lily of the valley, for forcing, $11 per 1,000. W. C. Beckert, Pittsburg, N. S., Pa.

LOBELIAS.

Lobelias, Crystal Palace Gem, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

MADEIRA VINE.

Maderia Vine, large $1.25 per 100; $10 per 1,000. Vaughan's Seed Store, Chicago and New York.

MALUS.

Malus, Floribunda, Atrosanguinea and Scheideckeri, pot-grown, 2½ ft., $1 each; $10 per doz. Vaughan's Seed Store, Chicago and N. Y.

MOSS.

Sphagnum moss, 5 barrel bale, $1.25; 2 bales, $2.25; 5 bales, $5; 10 bales, $9.50. H. R. Akers, Chatsworth, N. J.

Sphagnum moss in burlap or wired bales. Write for prices. Vaughan's Seed Store, Chicago and New York.

MUSHROOM SPAWN.

Mushroom spawn. English and pure culture. Weeber & Don, 114 Chambers St., New York.

Mushroom spawn, Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

NURSERY STOCK TO CLOSE OUT.

I offer the following packed f. o. b. N., nursery grown. Col., collected. Tr., transplanted. Less than $10 packing charged. 10 to 50,000 each. Rush order.

	100	1,000
Althea Rosea, S., 6 to 12 in....	$ .40	$ 1.50
Althea Rosea, S., 1 to 2 ft.....	.60	3.00
Arbor vitæ, Amer. Tr., 18 to 30 in.	12.00	
Cornus Stolonifera Ozies Dogwood, S., 1 to 2 ft.	.40	3.00
Cornus Stolonifera Ozies Dogwood, S.. 2 to 3 ft.....	.60	4.00
Cornus Stolonifera Ozies Dogwood, S., 4 to 5 ft.....	1.50	12.00
Ash American, S., 5 to 7 ft.....	3.00	20.00
Hamamelis, Witch Hazel, S., 6 to 12 in.	.60	4.00
Hamamelis, Witch Hazel, S., 12 to 18 in.	1.00	8.00
Hackberry, S., 3 to 4 ft.....	2.50	
Tulip Tree, S., 6 to 12 in.....	.40	2.50
Tulip Tree, Tr., 3 to 4 ft.....	3.00	20.00
Tulip Tree, Tr., 4 to 5 ft.....	4.00	35.00
Tulip Tree, Tr., 5 to 7 ft.....	6.00	50.00
Sweet Gum, Tr., 2 to 3 ft.....	4.00	35.00
Styrax Japonica, 6 to 12 in.....	.80	7.00
Styrax Japonica, 1 to 2 ft.....	1.25	10.00
Yucca filamentosa, S., 2 yr., small	1.00	7.00
Yucca filamentosa, S., 2 yr., 1st.	1.50	10.00
Sycamore, Tr., 5 to 7 ft.....	2.00	15.00
Sweet Gum, S., 6 to 12 in.....	.40	3.00
Calycanthus, Sweet Shrub, S., 6 to 12 in.....	.60	4.00
Wistaria magnifica. 6 to 12 in..	1.00	8.00
COLLECTED SEEDLINGS FOR LINING OUT.		
Sugar Maple, 6 to 12 in.....$	.30	$1.25
Sugar Maple, 12 to 18 in.....	.50	2.50
Hornbeam, 6 to 12 in.....	.40	3.00
Hornbeam, 1 to 2 feet.....	.60	4.00
Hornbeam, 2 to 3 feet.....	1.00	5.00
American Beech, 6 to 12 in....	.40	2.00
American Beech, 12 to 18 in. .	.50	3.50
American Beech, 18 to 30 in....	1.00	5.00
Cornus Florida, 6 to 12 in.....	.30	2.00
Cornus Florida, 1 to 2 ft.	.50	4.00
Laurus Benzoin, Spice Bush, 6 to 12 in.	.30	2.00
Laurus Benzoin, Spice Bush, 1 to 2 ft.	.60	4.00
Robina hispida. Moss Locust, 12 to 18 in.	.60	4.00
Viburnum acrifolium. 2 to 3 ft.	60	4.00
Enonymus Americana, 2 to 3 ft..	.60	4.00

Of the above I offer 100,000 Tulip Poplars, transplanted, fine stock; 50,000 Cornus stolonifera Ozies Dogwood; 50,000 Witch Hazel. Large stock collected seedlings; 100,000 Althea Rosea; 50,000 Yucca; 10,000 Ash, 5 to 7 feet.

FOREST NURSERY,
McMinnville, Tenn.

Shrubs, Berberis Thunbergii, 1 to 3 ft., 10c to 50c each. Symphoricarpus racemosus alba, 2 to 5 ft., 10c to 50c each; S. vulgaris rubra, 2 to 4 ft., 10c to 35c each. Viburnum Opulus, 2 to 5 ft., 10c to 50c each. American arbor-vitæ, 2 to 3 ft., 10c to 25c each. Matrimony vine, 10c to 50c each. Syringa Lemoinei, 3 to 4 ft., 25c to 35c each. Cut-leaf elder, 3 to 6 ft., 10c to 25c each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Trees, box elder, from 1 to 2½ ins., 6 to 10 ft., 35c to $1 each. Catalpa, 1½ to 2 ins., 8 to 10 ft., 75c each; $75 per 100. Elm, American, 2 to 4 ins., 6 to 12 ft., $1 to $3 each. Geo. Wittbold Co., Buckingham Pl., Chicago.

Nursery stock, arbor-vitæ (Thuya occidentalis) 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, trees and shrubs, price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Nursery stock, large trees, oaks, maples, pines and hemlock. Andorra Nurseries, Chestnut Hill, Philadelphia.

Hardy fruit and ornamental trees, shrubs, vines and perennial plants. L. L. May & Co., St. Paul, Minn.

Nursery stock, hardy Michigan trees, shrubs, fruit trees and small fruits. Grand Rapids Nursery Co., Grand Rapids, Mich.

Nursery stock fruit and shade trees, shrubs, evergreens. W. & T. Smith Co., Geneva, N. Y.

ORANGES.

Oranges, Kinkan. P. J. Berckmans Co., Augusta, Ga.

ORCHIDS.

Orchids in superb condition. Cattleya Mossiæ, C. Schroederæ, Lælia anceps, Epidendrum vitellinum, etc. Lager & Hurrell, Summit, N. J.

Orchids, C. Trianæ, C. Percivaliana, C. speciosissima, C. Gaskelliana, Oncidium Krameriana. Ordonez Bros., Madison, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England. New York office, room 1, 235 Broadway.

Orchids, choice assorted flowering, established, $12 per doz. Wm. Mathews, West View Greenhouses, Utica, N. Y.

Orchids, Lælia purpurata. Cattleya intermedia, C. Mossiæ. Julius Roehrs, Rutherford, N. J.

Orchids, ready in April and May. Carrillo & Baldwin, Secaucus, N. J.

PALMS.

Palms, Latania, 7-in., 30 ins. high, $1.25: 8-in., 36 ins. high, $1.75. Areca, 6-in., 36-ins. high, $1; 7-in., $1.45. Phœnix, 7-in., 36 ins. high, $1.50; 8-in., $2.50. Kentia, 7-in., 36 ins. high, $1.75; 8-in., $2.75; 10-in., $4. Wagner Park Conservatories, Sidney, O.

Palms, Cycas revoluta, 4-in., 25c each; 5-in., 35c; 6-in., 50c; 7-in., 75c to $1; 8-in., $1.25 to $1.50. Kentia Bel., 5-in., $7.20 per doz.; 5-in., strong, $9; 6-in., $12; 6-in., strong, $15. Kentia Fors., 5-in., $7.20 per doz.; 5-in., strong, $9; 6-in., $12; 6-in., strong, $15. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Palms, Kentia Bel., 2½-in., $9 per 100; $80 per 1,000; 3-in., $14 per 100; 4-in., $30; 5-in., $50. Latania Borb., 3-in., $6.50 per 100; 6-in., 5 to 6 leaves, 15 to 18 ins., 60c each. Storrs & Harrison Co., Painesville, O.

Palms, Kentia Belmoreana and Forsteriana, 4-in., 18 to 20 ins., 35c; 5¼, 5½ and 6-in., 50c to 75c each. Latania Borb., 5-in., 30c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Cocos Weddelliana, 3-in., $2.50 per doz.; $20 per 100; 5-in., 4 in. pot, 75c each; $9 per doz. Frank Oechslin, 2572 W. Adams St., Chicago.

Palms, 200 to 300 Phœnix, 5-in., at a bargain if taken at once. Mosbæk Greenhouse Co., Onarga, Ill.

Latania Borbonica, from 2-in., 3 leaves, $3 per 100. The Perennial Gardens Co., Toledo, O.

Palms. P. J. Berckmans Co., Augusta, Ga.

Palms. L. Van Houtte, Pere, Ghent, Belgium.

PANDANUS.

Pandanus Veitchii, 5-in., $1 each; 5½-in., $1.25; 6-in., $1.50. Frank Oechslin, 2572 W. Adams St., Chicago.

Pandanus utilis. 2½-in., $6 per 100; 3-in., $8; 4-in., $12. Storrs & Harrison Co., Painesville, O.

PANICUM.

Panicum var., $2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

PANSIES.

Pansies from cold frame, strong, in bud, $1.50 per 100; $12 per 1,000. Transplanted, nice stock, $5 per 1,000. F. A. Baller, Bloomington, Ill.

Pansy plants from extra selected seed. Fall seedlings, $3.50 per 1,000. Fall transplanted, $6 per 1,000. Large plants, $10 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Pansies, fall transplanted, in bud, per 100, $1.25; per 1,000, $10. A. R. Knowles, Bloomington, Ill.

Pansies, giant flowering, 50c per 100; $2.50 per 1,000. Jos. H. Cunningham, Delaware, O.

PELARGONIUMS.

Pelargoniums, 3-in., $1.50 per doz.; $6 per 100. R. Vincent, Jr. & Sons, White Marsh, Md.

Pelargoniums, $2.50 per 100. S. D. Brant, Clay Center, Kans.

PENTAS.

Pentas lanceolata, white 2½-in., $3 per 100; $27 per 1,000. Abele Bros., Florists, New Orleans, La.

PEONIES.

Peonies, 100 varieties, all classes for florists, 6 or 8 leading kinds, white to crimson, early to late, all named, $1.50 per doz.; $10 per 100. F. A. Baller, Bloomington, Ill.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Wholesale peony list for fall 1908 is now ready. J. F. Rosenfield, West Point, Neb.

Peonies, in variety, 10c to 50c each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies, leading vars. W. & T. Smith Co., Geneva, N. Y.

If you do not find what you need in our Ready Reference Department, write us about it.

PETUNIAS.

Petunia Berkshire, R. C., $2.50 per 100; $20 per 1,000. S. S. Skidelsky, 1,731 No. 18th St., Philadelphia.

Petunias, 3-in., 4 vars., $4 per 100; 2-2½-in., $2.50. Geo. A. Kuhl, Pekin, Ill.

Petunias, double fringed, 2½-in., ready for 4-in., $2.50 per 100; R. C., $1 per 100. The Krueger Bros. Co., Toledo, O.

Petunias, dbl., R. C., $1.25 per 100; $10 per 1,000. S. D. Brant, Clay Center, Kans.

Petunias, dbl., 10 kinds. R. C., $1. Byer Bros., Chambersburg, Pa.

Petunias, dbl., $3 per 100. Jos. H. Cunningham, Delaware, O.

POINSETTIAS.

Poinsettias, good, strong stock, $4 per 100. The Krueger Bros. Co., Toledo, O.

PRIMULAS.

Primula obconica grandi. rosea, 2½-in., 50c per doz.; $3 per 100; 3½-in., 75c per doz.; $6 per 100. Frank Oechslin, 2572 W. Adams St., Chicago.

PRIVET.

Privet, California, and Amoor River 2½ to 3 ft., $25 per 1,000. Peter's Nursery Co., Knoxville, Tenn.

Privet, California. E. Y. Teas Co., Centerville, Ind.

The American Florist invites attention to the class of business firms in its adv. columns.

PRUNUS.

Prunus triloba, standards, 2½-ft. stems, $1 each; $10 per doz.; bushy grown, 18 ins., 50c each; $5 per doz.; Simplex and Georgica, 18 ins., 50c each; $5 per doz. Vaughan's Seed Store, Chicago and New York.

RHODODENDRONS.

Rhododendrons, 8-12 buds, 75c each; $9 per doz.; 12-18 buds, $1.25 each; $12 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons. W. & T. Smith, Geneva, N. Y.

Rhododendrons, Jacs Smits, Naarden, Holland.

ROSES.

Roses. Anna de Diesbach, Ball of Snow, Coquette des Alpes, Francois Levet, Gen Jacq., Giant of Battles, Gloire Lyonnaise, La Reine, Mme. Masson, Mme. Plantier, Paul Neyron, Roger Lamberlin, Vick's Caprice, Carnot, Rosalind Orr English, Wellesley, 2½-in., $3.50 per 100; $30 per 1,000; 4-in., $8 per 100. Dinsmore, Jno. Hopper, Magna Charta, Prince Camille de Rohan, 4-in, $8 per 100. Frau Karl Druschki, 2½-in., $7 per 100; $60 per 1,000; 4-in., $15 per 100. Hugh Dickson, 2½-in., $8 per 100; $75 per 1,000; 4-in., $15 per 100. Margaret Dickson, 2½-in., $4 per 100; $40 per 1,000; 4-in., $9 per 100. Mrs. Laing, 2½-in., $3.50 per 100; $35 per 1,000; 4-in., $8 per 100. Anny Mueller, 2½-in., $5 per 100; $45 per 1,000. C. Soupert, Mme. N. Levavasseur, Mosellå. Queen's Scarlet, Balti. Belle, Debutante, D. Perkins, Manda's Triumph, Pink Rambler, Prairie Queen, South Orange Perfection, Sweetheart, Tenn. Belle, U. Favorite, White Rambler, Wichuraiana, Bougere, Duchesse de Brabant, Mlle. F. Kruger, Marie Guillot, Marie Louise, Empress of China, Mary Washington, 2½-in., $3 per 100: $25 per 1,000; 4-in., $8 per 100. Hermosa, Mrs. Degraw, Souv. de la Malmaison, Gruss an Teplitz, Hiawatha, Lady Gay, A. Guinoisseau. Bessie Brown, Helen Gould. La Detroit, La France, Helene Gambier, Striped La France, Maman Cochet, Papa Gontier, White Bougere. White M. Cochet, 2½-in., $3 per 100; $27.50 per 1,000; 4-in., $8 per 100. Conrad F. Meyer 2½-in., $4 per 100; $40 per 1,000, Etoile de France, 2½-in., $4.50 per 100; $35 per 1,000; 4-in., $8 per 100. Kaiserin, 2½-in., $3 per 100; $30 per 1,000. Kaiserin Goldifolia, 2½-in., $20 per 100; $175 per 1,000; 4-in., $50 per 100. Sunrise, Sunset, 2½-in., $4 per 100; $35 per 1,000; 4-in., $9 per 100. Climbing Kaiserin, 2½-in., $3 per 100; $27.50 per 1,000. Leedle Floral Co., Springfield, O.

Roses, 2-yr., budded, per doz., $2; $15 per 100; Am. Beauty, La France, Frau K. Druschki, Kaiserin, Soliel d'Or, Hermosa, Paul Neyron, Gruss an Teplitz, 2-yr., budded, $1.50 per doz.; $11 per 100. Anna de Diesbach, Fisher Holmes, Magna Charta, Ball of Snow, Gen. Jacq., M. P. Wilder, Capt. Christy, Mme. Testout, Mrs. J. Laing, U. Brunner, etc. Crimson Rambler, 2-yr., home-grown, $15 per 100; 2-yr., imported, $12 per 100. Dorothy Perkins, 2-yr., home-grown, $12 per 100. Lady Gay, 2-yr., budded, $20 per 100. Philadelphia Rambler, 2-yr., home-grown, $12 per 100. Baby Rambler, 2-yr., extra strong budded, $20 per 100. White Baby Rambler, 2½-in., $10 per 100. Red Kaiserin, 2½-in., $1.50 per doz.; $10 per 100; 3-in., $2 per doz.; $12 per 100; 4-in., $3 per doz.; $20 per 100; 2-yr. dormant, $3 per doz.; $20 per 100. Vaughan's Seed Store, Chicago and N. Y.

Roses, American Beauty, Liberty and Kaiserin, bushes; bench plants, $6 per 100; $55 per 1,000. Wietor Bros., 51 Wabash Ave., Chicago.

Roses, grafted, Mrs. Jardine, Rhea Reid, Queen Beatrice, $6 per doz.; 50 for $18; $35 per 100. My Maryland, 50c each; $5 per doz.; $35 per 100; own root, 2½-in., $25 per 100; $2 per 10; 3-in., $15 per doz. Mrs. Potter Palmer, $3 per doz.; $17.50 per 100; $125 per 1,000. New Rambler Newport Fairy, 2¼-in., $1 each: $9 per doz.; $50 per 100. Standard vars.: Aurora, Betty, Bon Silene, Bride, Maid, Enchanta, Etoile de France, Franz Deegen, Gen. MacArthur, G. Gate, Hermosa, Ivory, Kaiserin, Kate Moulton, Killarney, La Detroit, M. Cochet, M. Niel, Mme. Chatenay, Mme. Hoste, Mrs. Morgan, Gontier, Rosalind Orr English, Richmond, Carnot, Wootton, Uncle John, Wellesley, White Cochet, grafted, 2¼-in., 20c each; $2 per doz.; $15 per 100; $120 per 1,000. Am. Beauty, own root, 2½-in., $8 per 100; $75 per 1,000; 3-in., $12 per 100; $100 per 1,000. Own root roses, 2½-in.: Kaiserin, Killarney, Bride, Bridesmaid, Ivory, G. Gate, Uncle John, Richmond, Chatenay, Aurora, $1 per doz.; $6 per 100; $50 per 1,000; 2-in., $3.50 per 100; $30 per 1,000. A. N. Pierson, Cromwell, Conn.

Roses, $2.50 per 100; $25 per 1,000; Baby Rambler, C. Soupert, D. Perkins, Mme. A. Chatenay, C. Rambler; $2.75 per 100; $27.50 per 1,000: Hermosa, Maman Cochet, Malmaison, Etoile de Lyon, Helen Gould, Lady Gay, M. Niel, Notting, Meteor, White Maman; $3 per 100; $30 per 1,000; Black Prince, Mme. Masson, Richmond, Kaiserin, Paul Neyron, $3.50 per 100; $35 per 1,000: Etoile de France, Gen. McArthur, Mrs. J. Laing, Helen Good, $5 per 100. J. B. Clark, $8 per 100. C. M. Niuffer, Springfield, O.

Roses, American Beauty, R. C., $3.50 per 100: $30 per 1,000; 2½-in., $6.50 per 100; $60 per 1,000; 3½-in., $80 per 1,000. Maid, Bride, U. John, Richmond, Chatenay, Kaiserin, 2½-in., $4.50 per 100; $40 per 1,000; 3½-in., $60 per 1,000. Mrs. Potter Palmer and Cardinal, 2½-in., $15 per 100: $125 per 1,000; 3½-in., $150 per 1,000. Perle, Sunrise, 2½-in., $5 per 100; $45 per 1,000; Perle, 3½-in., $65 per 1,000. Killarney, R. C., $35 per 1,000; 3½-in., $75 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, Tausendschon and Lady Gay, 2-in., $7.50 per 100. Following are fine two and three-year-old plants on own roots: Russel's Cottage, Golden Chain, Dorothy Perkins, White, Pink and Yellow Rambler, Seven Sisters, Prairie Queen and Debutante, at $10 per 100. La Marque, Clothilde Soupert, Empress of China, Baltimore Belle, Jersey Beauty, $8 per 100. Manda's Triumph, $7. Baby Rambler, 3-yr., $20. Wagner Park Conservatories, Sidney, O.

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Roses, rooted cuttings, Bride, Bridesmaid, Ivory, Richmond, Chatenay, Uncle John, $1.50 per 100; $12.50 per 1,000. Sunrise and Kate Moulton, $3 per 100; $25 per 1,000. Perle, $2 per 100; $17.50 per 1,000. Am. Beauty, bench plants, $10 per 100; $75 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Roses, grafted, Chatenay, Killarney, Richmond, Liberty, La France, in rose pots, $15 per 100: 3½-in., $18 per 100. Brides, Maids, Golden Gate, Kaiserin, rose pots, $10 per 100; 3½-in., $15 per 100. Own root: 3-in., $9 and $7 per 100. J. L. Dillon, Bloomsburg, Pa.

Roses, Prairie Queen, 3 to 5 ft., 15c to 35c each. Crimson Rambler, 2 ft., 15c each; Baby, 3½ in., $6 per 100. Sweet Briar, 2 to 3 ft., 10c to 25c each. One lot hybrid perpetual, 5-in., asst. vars., pot-grown, $15 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Roses, rooted cuttings, Am. Beauty, $3.50 per 100; $30 per 1,000. Maids, Brides, Richmond, $1.50 per 100; $12 per 1,000. Am. Beauty bench plants, $6 per 100; $50 per 1,000. Geo. Reinberg, 35 Randolph St., Chicago.

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Roses, 2½-in., C. Soupert, Hermosa, Baby Rambler, Maman Cochet, White M. Cochet, $3 per 100; $25 per 1,000. Storrs & Harrison Co., Painesville, O.

Roses, young stock, Am. Beauty, $6 per 100; $55 per 1,000. Rhea Ried, own root, $30 per 100: grafted, $35 per 100. E. G. Hill Co., Richmond, Ind.

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American Beauties, rooted cuttings, $3 per 100; $25 per 1,000; 2¼-in., $6 per 100; $50 per 1,000. J. F. Wilcox, Council Bluffs, Iowa.

Roses, Bride, Maid, Kaiserin, Killarney, Richmond, Wellesley, $12 per 100; $100 per 1,000. Jackson & Perkins Co., Newark, N. Y.

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Weiland & Risch, 59 Wabash Ave., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

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Artificial poinsettias. J. Schroeder, 2253 Ontario St., Cleveland, O.

BASKETS,

Baskets, No. 1, 8¼x4½x2½ ins., $7.50 per 1,000; No. 2, 9½x5x3 ins., $8; No. 3, 9½x5½x3½ ins., $8; No. 13, 10x5½x3 ins., $8; No. 11, 10½x6x4 ins., $9; No. 12, 11x7x4 ins., $10. Coles & Co., 109 Warren St., New York.

BOILERS.

Boilers, corrugated, firebox and sectional greenhouse heating. Hitchings & Co., 1170 Broadway, New York.

Boilers, improved greenhouse boilers, made of best material; shell firebox sheets and heads of steel; water space all around (front, sides and back). Kroeschell Bros. Co., 45 Erie St., Chicago.

Boilers, the Superior improved internal fired boiler. Made in 10 sizes to heat from 2,000 to 6,500 feet of 4-in. pipe. Superior Machine and Boiler Works, 125-133 W. Superior St., Chicago.

Boilers. Myers & Co., 1122 Betz Bldg., Philadelphia.

If you do not find what you need in our Ready Reference Department, write us about it.

Boilers, the Burnham boilers, made for greenhouse heating. Lord & Burnham Co., 1133 Broadway, New York.

Boilers, boilers of high grade for greenhouses. Steam or hot water. Giblin & Co., Utica, N. Y.

Boilers, steel return tubular, steam or water. Johnston Heating Co., 138 E. 31st St., N. Y.

Boilers, water tube steam boilers. King Construction Co., North Tonawanda, N. Y.

Boilers, S. A. Jacobs & Sons, 1365 N. Flushing Ave., Brooklyn, N. Y.

BOXES.

Cut flower boxes. Send for prices. Edwards Folding Box Co., Philadelphia, Pa.

BUILDING MATERIAL.

Building material, hotbed sash, cypress, unglazed, 95c each; in doz. lots, 90c; glazed, $1.65 each; doz. lots, $1.60. Pine sash, unglazed, 90c; doz. lots, 85c; glazed, $1.60; doz. lots, $1.55 each. Building hardware, wire and wire fencing bolts, hatchets, hammers, etc. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Building material, lumber for greenhouse benches, shiplap, drop siding, sheeting flooring, white cedar posts, etc. We are in special position to furnish "Pecky Cypress;" everything in pine and hemlock building lumber. Adam Schillo Lumber Co., cor. Weed and Hawthorn Sts., Chicago.

Building material, cypress sash bars. Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pipe fittings and all supplies needed in new or reconstruction work. Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouses and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Building material of all descriptions for all cypress, semi-iron, iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 113 Blackhawk St., Chicago.

Building and propagating sands, fire brick and fire clay, Portland cement, hard wall plaster. Garden City Sand Co., Security Bldg., Chicago.

Building material for U-bar greenhouses. Pierson U-bar Co., Metropolitan Bldg., 4th Ave. and 23rd St., New York.

Building material of all kinds. S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Greenhouse material, Louisiana red cypress, Louisiana Red Cypress Co., Hibernia Bldg., New Orleans.

Building material of all kinds. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn.

CUT FLOWER HOLDER.

The Anglais decoration, made in section, can be adjusted to any form desired. "Japana" flower holder, 4½-in., 50c; 3½-in., 35c; 2½-in., 25c. Garnsey, 131 S. Waiola, La Grange, Ill.

FERTILIZERS.

Dried and ground SHEEP MANURE. Nature's product unadulterated. For particulars address Natural Guano Co., Aurora, Ill.

Peerless Plant Food, ½ lb., $1 per doz.; $8 per 100; 1 lb., $1.50 per doz.; $12 per 100. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Wizard brand pulverized sheep manure, large barrel, $4. The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

Ichthemic guano, in tins and bags. Fame's fertilizer, in tins and bags. Wm. Colchester & Co., Ipswich, England.

GLASS.

Glass importers and jobbers; greenhouse glass a specialty. Window glass. James H. Rice, corner Michigan, St. Clair and Illinois Sts., Chicago.

Glass, greenhouse glass a specialty; also window glass. Sprague, Smith & Co., 167-9 Randolph St., Chicago.

Glass for conservatories, greenhouses and gardeners. The Johnston Glass Co., Hartford City, Ind.

Glass. French and American "White Rose." Stenzel Glass Co., 2 Hudson St., New York.

Glass. High grade, double thick, greenhouse glass. Lord & Burnham, 1133 Broadway, N. Y.

Glass, all sizes. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn, N. Y.

Glass of all sizes. S. Jacobs & Sons, 1365 N. Flushing Ave., Brooklyn, N. Y.

Glass of all kinds and sizes. Sharp, Partridge & Co., 22nd and Lumber Sts., Chicago.

Glass. A and B quality, single and double strength. Baur Window Glass Co., Eaton, Ind.

Glass, greenhouse, all sizes. H. M. Hooker Co., 120-128 W. Washington St., Chicago.

GLAZING POINTS.

Glazing points; see the point? Hold glass firmly. Peerless glazing points are the best No rights or lefts. Box of 1,000 points, 75c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Siebert's zinc never-rust glazing points, 2 sizes, ⅝ and ⅞, 40c per lb.; 16c extra by mail; 7 lbs., $2.50; 15 lbs., $5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburg, Pa.

Glazing points, Lord & Burnham special glazing nails (points). Lord & Burnham Co., 1133 Broadway, N. Y.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of greenhouses for private estates, institutions, parks, etc. Pierson U-bar Co., Metropolitan Bldg., 4th Ave. and 23rd St., New York.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 113 Blackhawk St., Chicago.

Greenhouse construction of all kinds and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Greenhouse construction, builder of private or commercial greenhouses. Frank Van Assche, Fulton and Rose Ave. and Dwight St., Jersey City, N. J.

Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction, builders of every type of greenhouses, the most modern designs. Hitchings & Co., 1170 Broadway, N. Y.

Greenhouse construction, builders of modern greenhouses. Myers & Co., 1122 Betz Bldg., Philadelphia.

Greenhouse construction and equipment. King Construction Co., North Tonawanda, N. Y.

GUTTERS.

Gutters. Garland's gutters will keep snow and ice off your glass. A sample of our gutters is on exhibition at Chicago Flower Growers' Market. Geo. M. Garland, Des Plaines, Ill.

Gutters, cast-iron gutters. Lord & Burnham Improved V-shaped gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, New York.

Gutters. Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

HOSE.

Hose, garden, ¾-in., 4c per ft. Competition garden hose, ¾-in., 50 ft. lengths with couplings, $2. Standard grade, ¾-in., 50 ft. lengths with couplings, 3 ply, 7c per ft.; 4 ply, 9c; 5 ply, 10c. Hose reels, 75c each. Sprinklers, 25c. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Hose, 50-ft. lengths, ¾-in., 8½c; for heavy work, 12½c. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn, N. Y.

"SHOWERMAKER," $1. Jos. Kopcsay, So. Bend, Ind.

INSECTICIDES.

Tobacco dust, made from heavy Kentucky leaf tobacco. Contains a larger amount of nicotine than any other tobacco dust offered for sale. Packed in barrels of 250 lbs. each. One barrel lots at 2½c per lb.; three barrel lots, 2¼c per lb., f. o. b. Louisville. Prices will be changed as soon as stock is reduced. Axton-Fisher Tob. Co., Louisville, Ky.

Fresh tobacco stems; 50c per 100 lbs.; $10 per ton. Scharff Bros., Van Wert, O.

Insecticides, tobacco paper, 24 sheets, 75c; 144, $3.50; 288, $6.50; 1,728, $35.10. Nicofume liquid, pint, $1.50; ½ gal., $5.50; gal., $10.50; 5 gals., $47.25. The Kentucky Tob. Product Co., Louisville, Ky.

Insecticides. Carman's Antipest insecticide and fungicide, $1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Insecticides, tobacco soap, $2 per doz.; $15 per 100. H. A. Dreer, 714 Chestnut St., Phila.

Fumigating supplies, vaporizing pans for tobacco extract, improved. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Tobacco stems, bales 500 lbs., $1.50. W. C. Beckert, Allegheny, Pa.

Insecticides. Nicotcide Bug Killer, the best bug killer and bloom saver. P. R. Palethorpe Co., Owensboro, Ky.

Jackson Fumigator, price f. o. b. Chicago, $4. A. V. Jackson, 3267 N. Western Ave., Chicago.

MISCELLANEOUS.

Pillsbury's Carnation Staples for mending split carnations, 50c per 1,000; can be obtained from Vaughan's Seed Store, Charles W. McKellar, Vaughan & Sperry, Henry F. Michell Co., Wm. F. Kasting Co., E. H. Hunt, or I. L. Pillsbury, Galesburg, Ill.

The Holly Standard Electric Circulator for hot water circulation. The Holly Steam Engineering Co., 135 E. 15th St., New York.

Engravings. Best engravings and illustrations of every description for catalogues. Send for estimates. Globe Eng. & Elec. Co., 427 Dearborn St., Chicago.

Printing. Large runs of catalogues a specialty. Write for figures. Regan Printing House, 89-91 Plymouth Pl., Chicago.

Heller's mice-proof seed cases and bins, Heller & Co., Montpelier, O.

Florists' overdue accounts and bad debts collected by the National Florists' Board of Trade, 56 Pine St., New York.

Iron reservoir vases and lawn settees. McDonald Bros., Columbus, O.

Mission plant boxes, made of pine or cypress. Wagner Park Conservatories, Sidney, O.

The Auto-Spray, fitted with Auto-Pop nozzle. E. C. Brown Co., 74 Jay St., Rochester, N. Y.

Perry Pneumatic Water System. United Pump and Power Co., Old Colony Bldg., Chicago.

PAINT, PUTTY, ETC.

Paint. Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, New York.

Paint, putty, etc. The Jas. H. Rice Co., cor. Michigan, St. Clair and Illinois Sts., Chicago.

Putty, paint, etc. H. M. Hooker Co., 120-128 W. Washington St., Chicago.

R. I. W. damp resisting paint. Garden City Sand Co., Security Bldg., Chicago.

PIPE, FITTINGS, ETC.

Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U-bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Pipes, valve fittings. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Pipes and fittings, cast iron and wrought pipe, valves, elbows, pipe hooks, automatic air headers, etc. Lord & Burnham Co., 1133 Broadway, New York.

Iron fittings, patent iron bench fittings and roof supports. Diller, Caskey & Keen, 6th and Berk. Sts., Philadelphia.

Pipe fittings, etc. S. Jacobs & Sons, 1365 N. Flushing Ave., Brooklyn, N. Y.

POTS, PANS, ETC.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

Pots, florist red. Peters & Reed Pottery Co., Zanesville, O.

SUPPLIES.

Supplies, baskets, bulb and plant boxes, vases, hanging baskets made in twig, birch bark and cocoa fibre ware. Red chicks and ducks, stuffed, $1.50 per doz. Porto Rico mats, waterproof pleated paper, machet crepe, and two-tone crepe, tissue pot covers, all sizes, 5 and 7-in., $1.10 per 100; 7 and 9-in., $1.35 per 100. Gauze ribbon, chiffon and netting for plants. E. H. Hunt, 76-78 Wabash Ave., Chicago.

Supplies. Importers and manufacturers of florists' supplies. L. Baumann & Co., 78 Wabash Ave., Chicago.

Supplies, rustic hanging baskets, rustic pedestals, settees, chairs, tables, bird houses, window boxes, vases, etc. Reed & Keller, 122 W. 25th St., New York.

Supplies. Cape flowers, cycas leaves, metal designs and all florists' supplies. A. Herrmann, 404-12 E. 34th St., New York.

Wire Work—Manufacturers of artistic florists' designs. New price list; large discount. Pittsburg Cut Flower Co., Ltd., Pittsburg, Pa.

Supplies, wire designs, etc. The Cleveland Cut Flower Co., 215 Huron Road, Cleveland, O.

Supplies, wire designs. Pittsburg Florists' Ex., 228 Diamond St., Pittsburg, Pa.

Supplies of all kinds and novelties. E. H. Hunt, 76 Wabash Ave., Chicago.

Supplies of all kinds. E. F. Winterson Co., 45-49 Wabash Ave., Chicago.

Supplies, all kinds. H. M. Robinson & Co., 8-11 Province St., Boston.

Supplies of all kinds. A. L. Randall Co., 19-21 Randolph St., Chicago.

Supplies of all kinds. H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

If you do not find what you need in our Ready Reference Department, write us about it.

THE WHILLDIN POTTERY COMPANY
THE LARGEST MANUFACTURERS OF
STANDARD FLOWER POTS
PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.

STANDARD GREENHOUSE
Red Flower Pots.

size	Per 1000	size	Per 1000
1¾-in flower pots..	$ 2.60	3½-in flower pots..	$ 6.50
2 -in flower pots..	3.00	4 -in flower pots..	7.90
2½-in flower pots..	3.90	4½ in flower pots..	10.00
3 -in flower pots..	4.50	5 -in flower pots..	12 00
		6 -in flower pots..	20.00

A. J. MARQUIS, Prop. Middleburg, Ohio.

L. BAUMANN & CO.,
Importers and Manufacturers of
Florists' Supplies
76-78 Wabash Ave., CHICAGO.
Write for our New Catalogue F. Our prices may interest you.

A. HERRMANN,
Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florists' Supplies.
SEND FOR PRICES.
404-412 East 34th St., NEW YORK.

J. SCHROEDER,
— MAKER OF —
Artificial Flowers,
344 Ontario St., CLEVELAND, O.

H. BAYERSDORFER & CO.,
Florists' Supplies.
1129 Arch Street, PHILADELPHIA, PA.
Send for our new catalogue.

Omaha.

Business has been very good, regardless of Lent, and very little surplus can be seen in any of the stores. We have had very nice warm weather the last 10 days, which is quite a help to bring on the Japanese lilies, much grown in this vicinity. The warm weather played havoc with the violets and a few more days will finish them; this little flower is very much in demand and will be badly missed. Sweet peas are plentiful, but they will never take the place of violets. There will be plenty of lilies for Easter, short and long, but mostly short stock. Bulbous stock and azaleas will not be so plentiful on account of the warm weather. Roses and carnations are good and plentiful. American Beauty roses are coming in good.

NOTES.

Ten days ago Hess & Swoboda used 10,000 violets in one day, using 6,000 in a casket cover; in former years the growers would sell their surplus violets to the department stores; this was not the case this year. there was no surplus.

On March 18 Frank Sahan late with the City parks was buried. A good number of the local florists attended his funeral and sent some very nice floral tributes.

GRIPPE.

THE KELLER POTTERY COMPANY,
Manufacturers of **FLORISTS' RED STANDARD POTS.**
Azalea Pots, Bulb and Fern Pans, Etc.
Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

The Ionia Pot is the Best Pot.
That's the reason why it was necessary to double our capacity in 1907 to take care of the trade of 1908. Our factory equipment is the best. Our output is the largest.
Hand your next season's order to Uncle Sam today. Our invoice will be in your hands on his return trip.
IONIA POTTERY COMPANY, Ionia, Mich

Standard Flower Pots!
Packed in small crates, easy to handle.

	Price per crate			Price per crate
1500 2-in., in crate,	$4.88		120 7-in., in crate,	$4.20
1500 2¼	" 5.25		60-8 "	3.00
1500 2½	" 6.00		HAND MADE.	
1000 3	" 5.00		48 9-in., in crate,	$3.60
800 3½	" 5.80		48 10 "	4.80
500 4	" 4.50		24 11 "	3.60
320 5	" 4.51		24 12 "	4.80
144 6	" 3.16		12 14 "	4.80
			6 16 "	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address
HILFINGER BROS. POTTERY, Fort Edward, N.Y.
or AUGUST ROLKER & SONS, New York Agents
31 Barclay Street, New York City.

Kramer's Pot Hangers
For Sale by Wholesale Seedsmen, Florists and Supply Dealers.
Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.
I. N. Kramer & Son, CEDAR RAPIDS, IOWA.

Twin City Pottery Mfg. Co.
Minneapolis, Minn.
Plants grow best in our Porous Pots.
STANDARD FLOWER POTS, Azalea Pans, Hanging Baskets, etc.
Send your orders early.

GEO. KELLER & SON,
MANUFACTURERS OF
FLOWER POTS.
Before buying write for prices
361-363 Herndon Street, near Wrightwood Ave.,
CHICAGO, ILL.

Florist's Red Pots
OF FINELY PREPARED CLAY.
Process and catalogue sent on request.
The Peters & Reed Pottery Co, ZANESVILLE, OHIO.

Standard Flower Pots
Porosity and Strength Unsurpassed.
Write for Prices.
A. F. KOHR,
1521 Leavitt Street, CHICAGO.

Those Red Pots
"STANDARDS"
FULL SIZE AND WIDE BOTTOMS, BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'F'Y.
HARRY BALSLEY, Rep. DETRIOT, MICH. 490 Howard St.

NEW YORK.—Judge Holt has appointed William D. Conrad receiver in bankruptcy for Alfred Van Praag, 1207 Broadway, with a bond of $500.

Tobacco Paper IS THE STRONGEST, BEST PACKED, EASIEST APPLIED.

24 sheets.....$ 0.75
144 sheets..... 3.50
288 sheets..... 6.50
1728 sheets..... 35.10

"NICO-FUME" LIQUID

OVER 40% NICOTINE.

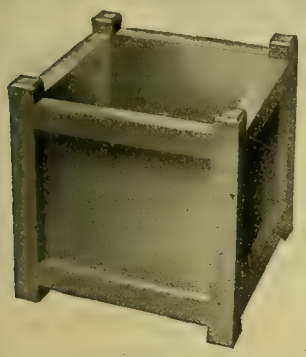
Furnishes the Most Nicotine for the Money!

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

By far the **CHEAPEST.**

JUST NOTE PRICES:

Pint.....$ 1.50
½ Gallon..... 5.50
Gallon..... 10.50
5 Gallons..... 47.25



Large plants, Bay and Box trees, Palms, Hydrangeas, Agaves, etc. will soon need repotting. Use the

Mission Plant Box

If you want the most durable and appropriate box made. Very reasonable in price. Made of pine or cypress.

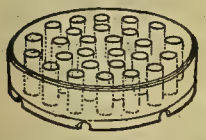
Write for prices.

Wagner Park Conservatories, SIDNEY, OHIO.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

REED & KELLER,
122 W. 25th St., NEW YORK.
FLORISTS' SUPPLIES
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in Glassware, Pottery, Decorative Greens and all Florists' Requisites

THE "JAPANA" CUT FLOWER HOLDER



Has Come to Stay.
YOU be the first to introduce this long needed article.
Made of glass in 3 sizes.
Send for circular and price list.

M. V. GARNSEY, (Dept. B). La Grange, Ill.

Morehead Steam Trap.

The Morehead Manufacturing Co., Detroit, Mich., makers of the Morehead steam trap, have opened a branch establishment for the manufacture of the traps at Chatham, Ont., with a view to taking care of the increasing demand for them in Canada. This is of more than ordinary interest to the Canadian florist who uses steam for heating as the Morehead has long been known as the best and most economical, reliable and satisfactory machine for returning condensation from the radiators to the boiler. This arrangement will not only facilitate delivery but will save the consumer the duty which the company has had to pay on all traps sent to Canada heretofore.

200 HIGHEST AWARDS. GOLD MEDALS from all the Principal Exhibitions.

Pure Ichthemic Guano

The most reliable, the Richest Food and the Most Natural Fertiliser. Supplied in tins and bags.

Fame's Fertiliser.

Swift, Safe and Sure.

The Most Scientific Plant Food extant. Supplied in tins and bags.

May be obtained of the principal Nurserymen, Seedsmen, Florists and Chemists, or DIRECT OF the Sole Proprietors and Manufacturers,

WM. COLCHESTER & CO., IPSWICH, ENGLAND
Shipping Depots all over the World.

DREER'S
Florist Specialties.
PEERLESS PLANT FOOD
"Odorless."

The best and cleanest fertilizer for house plants.
Half pound, $1.00 doz.; $8.00 per 100.
One pound, $1.50 doz.; $12.00 per 100.
Retail price, 15c. and 25c.

HENRY A. DREER,
714 Chestnut St.,
PHILADELPHIA, PA.

Cattle Manure In Bags Shredded or Pulverized

Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.

The Pulverized Manure Co.,
32 Union Stock Yards, Chicago

Wired Toothpicks

10,000, $1.75; 50,000, $7.50. Manufactured by
W. J. COWEE, BERLIN, N. Y.
Sample free. For sale by dealers.

Florists' Refrigerators

Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCray Refrigerator Co. 760 Mill Street, KENDALLVILLE, IND

SANTA ROSA, CALIF.—Under the auspices of the Woman's Improvement Club of this city, a rose carnival is to be held here May 15—16. Arrangements are being perfected by committees of ladies, and they will have one of the finest carnivals ever held here.

You Can Use Liquid Disinfectants

in my fumigator and avoid the poisonous fumes of tobacco stems which **You Know** injure your plants. This is the only really practical fumigator on the market, burning any disinfectant liquid or solid, without danger of fire or overheating. It gives 50% greater volume of gas for a given amount of material, simply because all the disinfectant is held over the fire until consumed. Made of solid sheet iron, securely bound and rigid and will last a lifetime. Cool handle. May be moved to to any part of the house at any time. Burns coke or even live coals from your boiler fiire. **Price, f. o. b Chicago, $4.00.**
Send for descriptive circular.

A. V. JACKSON, 3267 N. Western Ave., Chicago
Mention the American Florist when writing

THE BEST Bug Killer and Bloom Saver.

For **PROOF** Write to

P. R. PALETHORPE COMPANY,
OWENSBORO, KY.

Carman's Antipest
INSECTICIDE AND FUNGICIDE
For the Garden, Orchard and Greenhouse
Non-poisonous and harmless to vegetation.
Kills Green Fly, Aphides, Bark Lice, Thrips, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

This is the Grower's Friend, handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. **$1.50 per gallon.** Also in quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO.,
FLUSHING, N. Y.
Mention the American Florist when writing

Increase Crops in Orchard and Field with
THE AUTO-SPRAY
It is guaranteed to be the most powerful, easily operated, economical hand sprayer made. With it a boy outworks three men with ordinary device. Used by U. S. Government and State Experiment Stations. **Fitted with Auto-Pop Nozzle** it is equal to large operations as well as small. Write if you want agency. Spraying Calendar Free.
E. C. Brown Co., 74 Jay St. Rochester, N. Y.

STEEL RETURN TUBULAR
Steam BOILERS Water

WHAT F. R. PIERSON SAYS:
JOHNSTON HEATING CO., New York City.
Gentlemen —The internally fired steel boilers which you installed last fall are giving us great satisfaction. They heat very quickly and are very economical. We are exceedingly well pleased with them and they have more than met our expectations. Very truly yours, F. R. PIERSON CO.
Johnston Heating Co., 138 East 31st. St. NEW YORK CITY
Write for catalogue and prices.

MYERS & CO. BUILDERS OF
Modern Greenhouses
HEATING BOILERS.
1122 Betz Bldg., PHILA., PA.

FRESH WATER
WITHOUT STORAGE—DIRECT FROM the source of supply, throughout the nursery, by using the Perry Pneumatic water system. A new and simple solution of the water problem. Write for particulars.
UNITED PUMP & POWER CO.
Old Colony Building, CHICAGO

Heating a New Greenhouse.

ED. AMERICAN FLORIST:—

Will you kindly give me some information about heating a proposed greenhouse? I wish to maintain 50°, 60° and 70°, when it is 20° below zero. The house is divided into three sections of 27x100 feet, 17-foot ridge, six feet to plate, 32 inches of glass on north and south wall, glass on both ends. We intend to use hot water, 2½-inch flow, 2-inch returns. Also state size of a suitable boiler and probable consumption of hard coal. BRUCEMORE.

As the question is understood each of the three houses is 27 by 100 feet, with both ends exposed. For such a house it will require four 2½-inch flows and twelve 2-inch returns for 50°; six flows and 18 returns for 60° and eight flows and 24 returns for 70°. To maintain these temperatures under the severe conditions mentioned it will be well to have a boiler rated for 6,000 square feet of radiating surface.

So much will depend upon the efficiency of the boiler and the radiation, as well as the skill of the fireman, that it is not possible to do much more than guess at the number of tons of coal required, but it will probably range from 10 to 15 tons per month and may run as high as 20 tons in months when the weather is very severe. L. R. T.

SYRACUSE, N. Y.—Henry Burt, of 211 Genesee street, has now got his store in good shape and his stock made good after the recent fire.

The KROESCHELL BOILER
IS THE ONLY PERFECT
HOT WATER BOILER.
(NOT CAST IRON).
Has water in front, sides, top and a water back.
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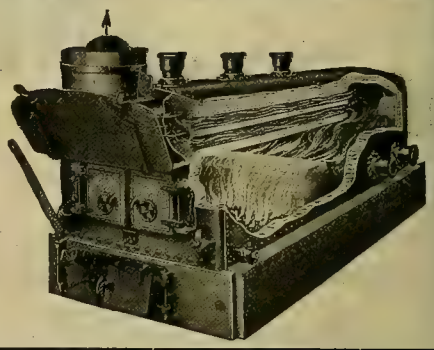

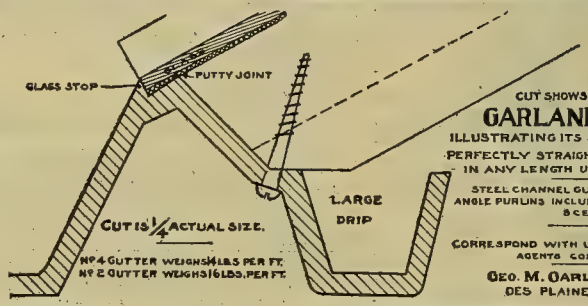

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CHALLENGE VENTILATING APPARATUS
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NEW HAVEN, CONN.—"The Growth and Culture of the Primrose," was the title of a lecture delivered by Walter Augur, gardener to R. Scofield of Chapinville, before the New Haven County Horticultural Society March 17 and it added greatly to the pleasure and interest of the meeting.

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—Prevents diagonal draft.
—Triples the direct fire surface.
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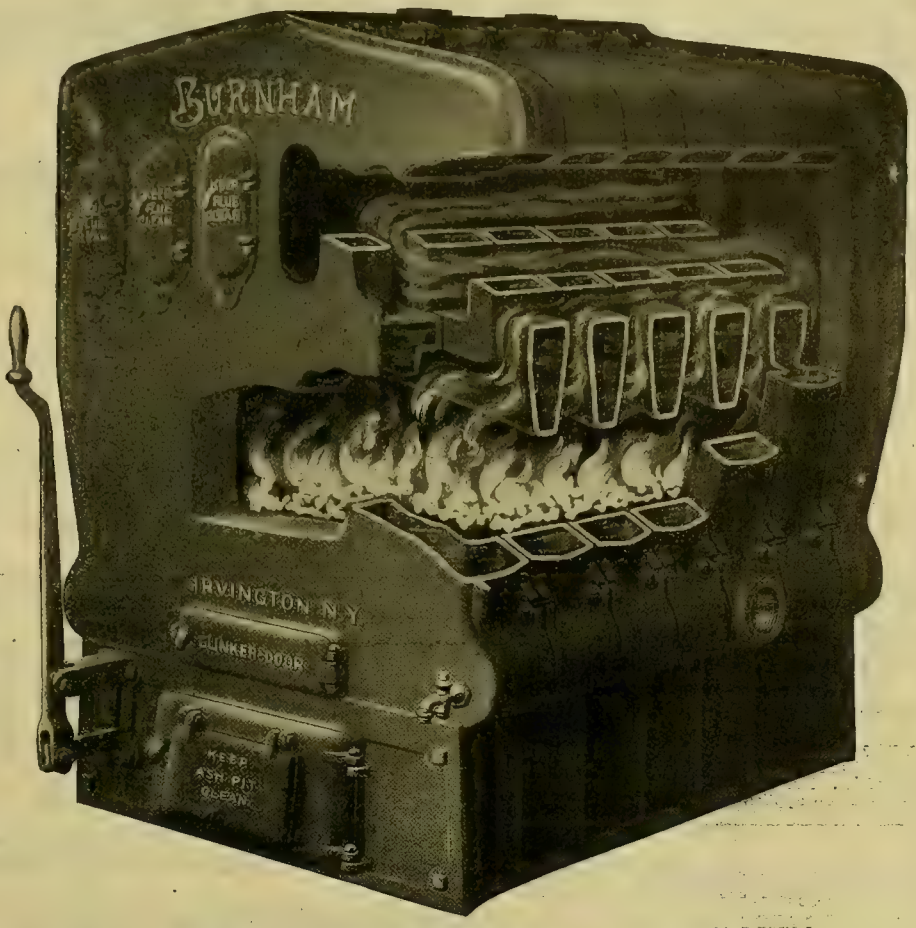


LORD & BURNHAM CO.,

1133 Broadway, NEW YORK.

Montreal.

STOCK OVER PLENTIFUL.

Trade has been of late very satisfactory and the Lenten season has not made itself felt so far. St. Patrick's Day was a busy one; shamrocks were sold by the thousand, nearly all in 5-inch pots at prices from 25 cents to $1; quite a number of decorations had to be attended to for numerous society as well as private dinners. We are still in the grip of winter weather which seriously delays all outdoor work, although many had started during a previous mild spell to lay down hotbeds, which have been a source of trouble since, protecting them from the zero temperature and digging them out of the snow. Cut flowers are plentiful. Roses are coming along first class. Richmond and Killarney are the favorites of the flower buying public and will be more grown next year. Carnations are over plentiful but very good, The prices are that low that there seems to be little or no profit to the grower. Lily of the valley, tulips and daffodils are very good this year, but there are sometimes too many to sell them at a profit. Lilacs and Easter lilies are coming in very nice, also spireas.

NOTES.

Chas. Eddy has resigned the first vice presidency of the Gardeners' and Florists' Club; he has taken a position as head gardener at Drummondville and is in consequence leaving town.

S. S. Bain has just recovered from a three weeks' siege of rheumatism. Mr. Bain intends to sell his entire business, greenhouses and all, and retire into private life as soon as he can find a buyer. Mr. Bain's foreman, H. Warner, has accepted a government position in India and will leave in the near future.

Miss Carmichael has been on the sick list; the store is in charge of her sister.

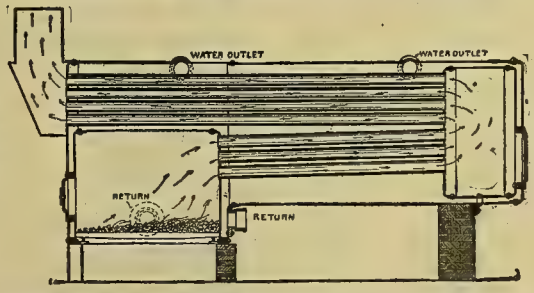
J. Petty has recovered from his recent illness.

LUCK.

THE SUPERIOR

Return Flue Fire Box Boiler.

Ask the man that knows. The names are yours for the asking of them.



12 of these were bought and used by one grower. 6 by another grower.

This boiler has given better satisfaction than any other boiler on the market

MADE IN EIGHT SIZES FOR HOT WATER.

Send for new catalogue and list of growers that are using this boiler.

Superior Machine and Boiler Works, 125 W. Superior St., CHICAGO.

ROCHESTER, N. Y.—The spring flower show at the Highland Park greenhouses opened March 11, with a grand display of flowering plants. Foreman Dukelow has massed his plants with a view to harmonious color blending and has been very successful. Azaleas, primroses, cyclamens, bulbous stock and ferns are among the most prominent plants shown.

GROWERS

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Columbus, O.

EVERYBODY BUSY.

With the coming of warm weather the annual spring rush is starting in. This promises to be one of the best years on record for outside work. Orders for bedding and general outside planting are pouring in now from every side. The tree pruning, yard rolling and seeding keep the men busy. Funeral work has been slack this week but stock has been kept moving in spite of this fact. No society events of any consequence are going on now.

NOTES.

The Fifth Avenue Floral Co. has been growing some fine Richmond and Golden Gate roses this season. The stock of Enchantress carnation has also been of a splendid quality.

John Hellenthal is showing Enchantress in fine shape, flowers large and color perfect. Mr. Hellenthal is getting to be a specialist in the carnation line.

C. A. Roth has a nice block of daffodils on hand. There has been a very ready sale for them this season.

CARL.

Le Journal des Roses.

Organ of the French Rosarians.

Published at Paris. Once a month with colored plates.

Subscription $2.70 per Year. Sample Copies Free.

ADMINISTRATION DU **JOURNAL DES ROSES**

a SUISNES, Brie

Par Grisy-Suisnes. (Seine et Marne), FRANCE

MURPHYSBORO, ILL.—Claude Wisley is contemplating considerable additions to his greenhouse plant.

THE ART OF Floral..... Arrangement.

The first special newspaper in the world for floral arrangement.

250 ILLUSTRATIONS ANNUALLY.

Specimen number free.
Subscription, $2.40 yearly.

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WHITE AS SNOW. READY FOR USE. TOUGH AS LEATHER.

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Half Barrels, (25 Gals.) per gal. $1.40. 5 Gallon Buckets, per gal. $1.50.

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Long Distance Phone Monroe 4994.

120 to 128 W. Washington St., CHICAGO.

Worcester, Mass.

Business continues exceptionally good with a good supply of flowers of all kinds.

SOCIETY BANQUET.

About 250 people attended the annual banquet and reunion of the Worcester County Horticultural Society in Horticultural Hall March 11. It was served in the banquet hall at 6:30. For half an hour before there was an informal reception in the library down stairs. During the evening it was used as a retiring room, and it was prettily decorated with pot plants by A. H. Lange. The tables were decorated with plants and cut flowers, large vases of pink and white carnations were on the guests' tables and there was a carnation at every plate. The flowers were furnished by E. W. Breed, A. H. Lange, L. C. Midgley and A. A. Hixon.

President Rice said in part: "The committee on winter meetings, lectures and discussions closes its duty with to-night's entertainment, and I wish to thank it for the conduct of these meetings," and introduced J. Bowker as toastmaster and Mr. Bowker paid a fitting tribute to the late O. B. Hadwen. Mr. Bowker said because of limited time each guest would be limited to five minutes. Among those that spoke of their work and told entertaining stories were: C. S. Gould, president of the Connecticut Pomological Society; J. W. Clark, the new president of the Massachusetts Fruit Growers' Association; I. L. Harvey, vice president of the New Hampshire Horticultural Society; Prof. F. C. Sears, of the Massachusetts Agricultural College; Edwin H. Burlingame, secretary of the Rhode Island Horticultural Society; Dr. George M. Twitchell, of Augusta, Me.; A. Warren Patch, of Boston; and Joseph K. Greene. The Midgley quartet composed of L. C. Midgley, Mrs. Harry Hildreth, and Percy G. Forbes and wife sang selections, while Messrs. Forbes and Midgley sang two duets; the exercise closed with a selection by the quartet.

G. Brown, formerly foreman for H. E. Littlefield, has accepted a similar position with S. Quinn, Brookline, and intends to move his family to Brookline about April 1.

All the retailers had their windows prettily decorated in honor of St. Patrick and did a brisk business in shamrocks and green.

H. F. A. Lange intends to rebuild several of his oldest houses the coming summer. R.

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CATCHY PRICES. QUICK DELIVERY.
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CAREFULLY LOADED. MINIMUM BREAKAGE.

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SAYS BOBBINK & ATKINS, of Rutherford, N. J., "Lasts with us from two to three years longer than any other wood for table purposes, and its life seems to be endless when used in ordinary greenhouse construction. We use cypress solely in our Plant Tub Department and manufacture tubs of all sizes from the smallest to the largest, of cypress."

It Is Best for Greenhouse Building.

It is the only wood that successfully withstands the almost intolerable alternate wet and dry conditions incident to this work.

IT IS THE MOST DURABLE WOOD KNOWN. Ask about it at your local lumber yard or write

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Descriptive particulars—with drawings or photographs, if possible—of any new apparatus or device which may prove helpful to the trade are solicited for this department.

THE fact that Louisiana red cypress is recommended for the better class of cooperage, shows that it will keep still when used in any class of greenhouse building. Probably its suitability for tanks has not been sufficiently recognized, its great resisting power to atmospheric influences, such as decay and weathering, its comparatively high strength and the ease with which it can be worked all being strong points in its favor. It is also especially suitable for plant tubs.

Glass for Palm House.

ED. AMERICAN FLORIST:

Will ribbed glass burn palms and other tropical plants? If so, what is the best glass for a palm house? No shading is needed. P. G. P.

While there would be no danger of burning the foliage if ribbed glass is used, it would, perhaps, be cheaper to use ordinary plain glass if no shading is needed. L. R. T.

Steam Trap Needed.

ED. AMERICAN FLORIST:—

Can you tell me how I can keep the water of condensation out of my return steam pipes which are under the benches. They are only four inches above the water level in the boiler and the water seems to collect in them giving me part steam and hot water heat. Do you think a steam trap would remedy this or what would you suggest? W. J.

For a small range a steam trap would give good results, but for a number of large houses it would be more satisfactory to use a feed tank and pump. L. R. T.

Return Pipe to Hot Water Boiler.

ED. AMERICAN FLORIST:

We have two large hot water boilers, 16 feet long, each containing 40 2-inch tubes. They are supposed to carry 22,000 feet of 2-inch pipe but have only about 15,000 feet attached and even with this we cannot get the water to boiling point. There is plenty of rise to the flows and a good gradual fall to the returns, but these fall 18 inches below the level of the inlet to the boiler and then rise. This appears to be where the trouble occurs. Is this right? G. A. C.

The fact that the water cannot be boiled does not necessarily imply that the boiler is not efficient. Provided there is a good circulation in the coils the water should not boil in a hot water heater. If the lowest part of the coils is above the top of the boiler the fact that the return drops below the bottom of the boiler would make little difference, although, of course, it would be a forced circulation. My choice would be to carry the flow pipes to the height of the plates, or a little higher if there are any in the center of the house, and give them a slight fall. The returns should be kept above the level of the boiler if possible, and, of course, they also should have a slight fall, but enough to let out the air will be sufficient. L. R. T.

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FROM A FULL SUPPLY OF THOROUGHLY SEASONED LUMBER.

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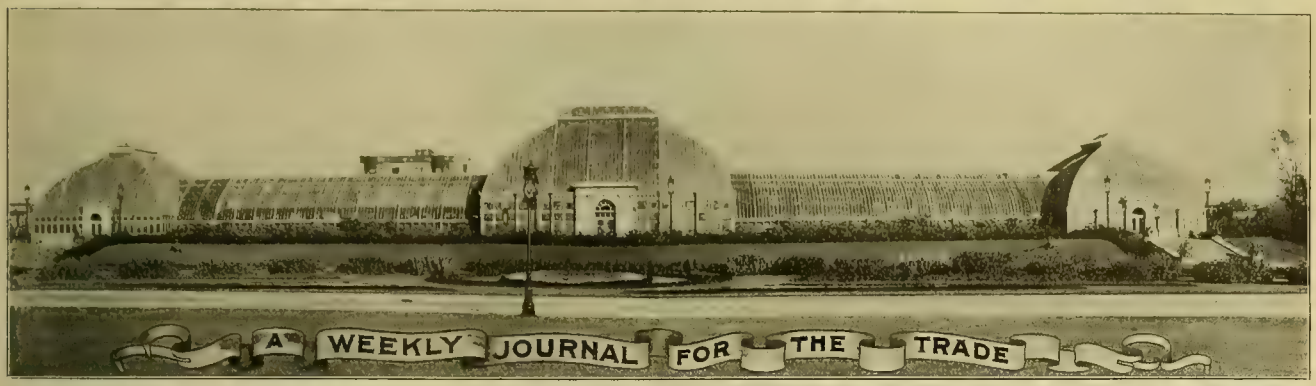

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Vol. XXX. CHICAGO AND NEW YORK, APRIL 4, 1908. No. 1035

THE AMERICAN FLORIST

TWENTY-THIRD YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—FRANK H. TRAENDLY, New York, Pres.; W. N. RUDD, Morgan Park, Ill., Secy.; H. B. BEATTY, Pittsburg, Pa., Treas. Next meeting at Niagara Falls, N. Y., August, 1908.

THE NATIONAL FLOWER SHOW.

CHICAGO, November 6-15, 1908.

Wm. F. Kasting, Buffalo, N. Y., is chairman of the general committee in charge. Chairmen of sub-committees follow:

EXECUTIVE AND FINANCE—Wm. F. Kasting, Buffalo, N. Y.
AMERICAN EXHIBITS—Ph. Breitmeyer, Detroit.
FOREIGN EXHIBITS—E. G. Hill, Richmond, Ind.
PREMIUM LIST—W. N. Rudd, Morgan Park, Ill.
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LOCAL MANAGEMENT, PRIVILEGES AND CONCESSIONS—J. C. Vaughan, Chicago.
SPECIAL FEATURES—Otto G. Koenig, 6471 Florisant Ave., St. Louis, Mo.
RECEPTION—Aug. Poehlmann, Morton Grove, Ill.
AUDITING—J. A. Valentine, Denver, Colo.
TREASURER—I. C. Bertermann, Indianapolis, Ind.

The above chairmen have power to select their various committees from the general committee of 50 or the members of the S. A. F. at large.

The Rose and the Gardener.

The rose in the garden slipped her bud,
And she laughed in the pride of her youthful blood,
As she thought of the gardener standing by—
"He is old—so old! And he soon must die!"

The full rose waxed in the warm June air,
And she spread and spread until her heart lay bare;
And she laughed once more as she heard his tread—
"He is older now! He will soon be dead!"

But the breeze of the morning blew, and found
That the leaves of the blown rose strewed the ground;
And he came at noon, that gardener old,
And he raked them gently under the mold.

And I wove the thing to a random rhyme:
For the rose is Beauty; the gardener, Time.
AUSTIN DOBSON.

SUGGESTIONS FOR PLANT GROWERS.

Propagating Poinsettias.

Any stock plants not already cut back may have attention, as they ought to be thoroughly ripened by now. Cut back to firm wood and if the shoots bleed much put a little dry fine sand on them. When the wound is dry place the plants in a warm moist house and spray them lightly several times a day, still keeping the roots on the dry side. In a short time they will break into growth and propagation may go on regularly until the required number is obtained. Poinsettia cuttings strike freely and easily if never allowed to wilt. They may be taken when quite small, with a heel of the bark, or left until about two inches in length and cut in the usual way. The smaller the cuttings are taken the better the resulting plants hold their foliage afterwards and roots always start very readily from the short jointed wood of the small cuttings taken with a heel. The cuttings may be inserted either around the edges of pots or on the propagating bench, but in either case a brisk bottom heat is needed and the cuttings must be immediately watered and closely shaded at first to keep them fresh. After they are rooted admit more air gradually to consolidate the growth a little before potting.

Bedding Stock.

Although space is in most cases very scarce now it is important that the bedding stock of all kinds gets plenty of room and attention, for if good plants well hardened, are expected by bedding out time, there is not much time to lose. It is too late now to get good geraniums by striking top cuttings and not much more pinching must be done if the plants are wanted in flower by June 1, but any leggy misshapen plants may yet be cut back and the cuttings inserted in the sand as they will make useful plants to put out for stock. Get all the growth possible into seedling lobelias and plants from cuttings, pinch them regularly and see that they do not want for root room. There is practically no limit to the number of lobelias that may be propagated, especially if the instructions given in these columns with regard to stock plants were followed. Keep coleuses and perilla in a good light to bring out the color of the foliage. Alternantheras and iresines (achyranthes) may be freely propagated if the flowers are kept constantly picked from the plants, to induce the free production of growth shoots. Take the cuttings when quite young and soft and strike them over a fair heat, pinching as soon as roots are produced; they will make nice little stock in time for bedding out. Heliotropes should not be allowed to flower, but kept growing in a good light for a few weeks if they are to flower freely when they are planted out. There is still time to sow such things as French marigolds, asters, Phlox Drummondi, ten week stocks and zinnias, all of which are useful for pricking off and hardening in boxes.

Finishing Primulas.

Much of the beauty of primulas lays in the foliage, and unless this is well taken care of the plants are failures, no matter how well flowered. The leaves grow rapidly in the later stages and plants, both of P. Sinensis and P. obconica, must have ample room to develop properly. When moving them around for a new stand look out for the foliage and never allow careless help to carry out this work. When the plants are needed for any especial date and it is seen that they will be too early, pinch out the first trusses of flower; the next will be larger and better for it. Although this applies to the Chinese as well as the obconica and Forbesii varieties, we never care to pinch the former if large plants are needed, as if the center spike is left intact it aids the pyramidal form that is so much admired in these varieties. Just now, at the finishing stage as it may be termed, the grower will find the advantage of having used good substantial loam in the compost. Light loam and leaf soil helps the growth at first but it does not build up the thick substantial foliage that stands and the thick stems that produce fine, showy, well colored flowers. The roots in such compost are hard and vigorous and the grower can feed them liberally with no fear of injury. We do not advocate heavy feeding but when the roots have used up the fertilizing properties in the soil something must take its place. Should the foliage appear a little pale

in color, use a weak solution of nitrate of soda but alternate this with good manure water or guano, as the nitrate is not a perfect plant food.

Chrysanthemums for Pots.

Good pot chrysanthemums are seldom too plentiful if dwarf and well flowered. The ordinary varieties as grown for cut flowers are in very few cases suitable for growing as pot plants. They are too tall in growth and, when a number of flowers are wanted, loose and often of poor color. As an early white the old Lady Selborne, a sport from the still older pink James Salter, is good. We thought this had dropped out of cultivation but saw it last season grown for the purpose indicated. There are several good pompons; so many in fact that there is no need to name them and these small flowered kinds come of excellent color and perfect shape; they are the best, in short, for dwarf pot plants. Then many of the singles and single anemones are excellent, Garza (rosy white) Mary Anderson (white), and Miss Rose (rosy red), being among the most useful. The grand old yellow, W. H. Lincoln, is still unapproached in the Japanese section. The color is grand and the stiff stems and deep green foliage are of the best. It is an ideal variety for pot culture and if our raisers could give us a white of the same excellent character and flowering as late as it does they would earn the blessings of the trade. If there are good healthy stock plants, cuttings for this purpose may go in now but if the cuttings are not good leave them for a time. It is important to get a good start, keep the plants cool and airy right along and pinch them low down at the first potting. Then hard substantial foliage will be produced that will not suffer later when the plants are placed outdoors, as they must be if they are to keep dwarf. When the cuttings are struck and ready for potting do not delay or they soon get out of hand. Pot very firmly in sound loam not over rich at first.

SOUTH BEND, IND.—The South Bend Floral Co.'s boiler burst March 23, doing damage to the extent of $1,500.

American Rose Society.

OFFICIAL REPORT OF ANNUAL MEETING.

The society held its annual meeting in Fullerton hall, a section of the Art Institute, on the Michigan avenue lake front. The meeting was called to order at 8:30 p. m., March 25, by President Robert Simpson, who delivered his address.

Secretary Benjamin Hammond gave a synopsis of the proceedings at Washington, particularly the recommendations to the executive committee to issue certificates of merit for exhibits possessing real value, life member certificates and the desirability of issuing at stated periods a Rose Journal. A motion was made and carried, directing the executive committee to consider the advisability of withdrawing money prizes from the regular list of awards and substituting certificates and medals.

J. A. Valentine, Denver, Colo., read his paper upon "Roses in Colorado," which is a thoughtful production. W. W. Coles, Kokomo, Ind., moved a vote of thanks which was cordially given. Following this W. A. Manda gave a most interesting talk upon outdoor roses mentioning, among other facts, that there was on record in Paris the names of 11,016 varieties and species of rose, and, in a private collection in that city, some 8,000 varieties. Very close attention was given to Mr. Manda, and a vote of thanks followed.

President Simpson spoke of the beautifying of fences and unsightly places by the use of the climbing roses. It was announced that Alexander Dickson, of Newtownards, County Down, Ireland, had kindly sent by special request a paper upon the "Hybridization of Roses" which would be read at the next session.

THURSDAY'S SESSION.

On Thursday, at 10:45 a. m., the second session opened by John T. Sullivan, of Detroit, reading his paper on "The Rose for Decorative Purposes." This paper was followed very closely, Philip Breitmeyer commending it warmly. W. J. Stewart moved a vote of thanks. Mr. Breitmeyer expressed his regret that the prizes offered by Mr. Boddington and himself were not competed for in the outdoor class, but offered to renew the same for next year.

Mr. Simpson said the exhibition in quantity and quality of forcing roses was exceedingly fine, and, when it was remembered that many of these had come hundreds of miles, and been from two to three days in transit, it was remarkable. One fine exhibit from the Florex Gardens, Philadelphia, was delayed, but at the last minute was staged.

W. H. Elliott's paper on the "Proper Size of Commercial Greenhouses" was well read and elicited much discussion. George B. Maynadier, of the bureau of soils, Department of Agriculture, read a paper on the subject of soil, the constituent parts, the effect of water, etc. This paper was closely followed.

John Thorpe related some experience where La France grew at Nyack, N. Y., with much vigor, and other varieties at Madison, N. J., illustrating by his experience the force of the suggestions of Mr. Maynadier. This paper coincidently was allied to Mr. Valentine's facts about alkali in soil. Mr. Traendly moved a vote of thanks to Mr. Maynadier.

Following this, Wm. F. Kasting, Buffalo, N. Y., obtaining the floor stated that he had come on purpose to ask the society to fix the place of its next meeting in that city. A motion was put, and the meeting accepted Buffalo as the city in which to meet in March, 1909.

ELECTION OF OFFICERS.

Seldom is any gathering of men recorded where a more complimentary vote was given for a nominee than that which elected August F. Poehlmann, Morton Grove, Ill., as president of The American Rose Society, to succeed Robert Simpson, of Clifton, N. J., who, for the past two years, has most assiduously served as its president.

Wm. F. Kasting was chosen vice-president, Harry O. May, Summit, N. J., treasurer; Benjamin Hammond, Fishkill-on-Hudson, N. Y., secretary. The members of the executive committee for three years next ensuing are: Phillip Breitmeyer, Detroit, Mich., and Adolph Farenwald, Hillside, Pa.

The meeting adjourned until Friday morning, at 11 a. m., and was called to order by President Simpson, who read an invitation from The Horticultural Society of New York, to hold a June rose show, in connection with that body, in Bronx Park, New York. This matter had been brought up before the executive committee by Ex-President Frederick R. Newbold last November. Upon motion of Mr. Valentine it was moved that The American Rose Society accept the invitation and join with The New York Horticultural Society in its June show, and that the secretary be and is hereby directed to extend the thanks of the society for the invitation which is without expense to the American Rose Society for accommodation or service. The same was seconded by F. R. Pierson.

COMMENCEMENT OF OFFICIAL TERM.

President Simpson brought up the time of beginning of the official term of service. Article 11 of the by-laws provides that the time shall be January 1 following election, but the first of January in practice is not a suitable time, and, at a prior meeting, record of which

AT THE CHICAGO ROSE SHOW.

Bassett & Washburn's Winning Vase of American Beauty.

FIRST PRIZE GROUP OF POT ROSES IN VARIETY BY VAUGHAN'S GREENHOUSES, WESTERN SPRINGS, ILL.

was lost, the beginning of the official term was fixed at July 1, instead of January. Mr. Simpson stating in detail his reasons recommended that a resolution be passed, putting this matter in better shape. Thereupon, J. A. Valentine offered the following:

Whereas, At a meeting of this society, held in the city of New York in 1902, the by-laws were amended so as to provide that the term of its officers should begin on July 1, instead of on the first day of January succeeding the election.

Therefore, Be it resolved, That this society instructs and authorizes its secretary to clearly set forth that change in the by-laws, and further

Resolved, That this society shall hereafter conduct its elections and business in conformity with such change. This resolution being duly read twice was adopted by unanimous vote.

The vital question of the growth of the society was taken up by Mr. Hammond and laid before the meeting in detail, the step taken to produce a publication as a means of extending the influence of the society interesting the membership at large. the prospectus sent out and the responses in return shown. All present took much interest and some part in the discussion. Frank R. Pierson, of Tarrytown, N. Y., said he was heartily in favor of the project, but suggested that, in lieu of any advertising support, the needed backing be done by direct subscription to the fund, and, to that end he would start the project with a subscription of $25. This was followed by Poehlmann Bros. Co., $25; Park Floral Company, of Denver, Colo., $25; Myers & Samtman, Wyndmoor, Pa., $10; Adolph Farenwald, Roslyn, Pa., $10; Wm. F. Kasting, Buffalo, N. Y., $10. Seventeen persons already had taken a space in the paper at a cost of $10. The recommendation was to eliminate all advertising, to back the journal for a time and then depend upon the subscription to sustain it. The movement is tentative and is in line with similar publications. The meeting endorsed the project, leaving it in the hands of the executive committee and secretary.

The paper received from Alexander Dickson, of Newtownards, Ireland, was read. Upon motion of Mr. Farenwald it was ordered that the secretary be directed to convey to Mr. Dickson the thanks of the society.

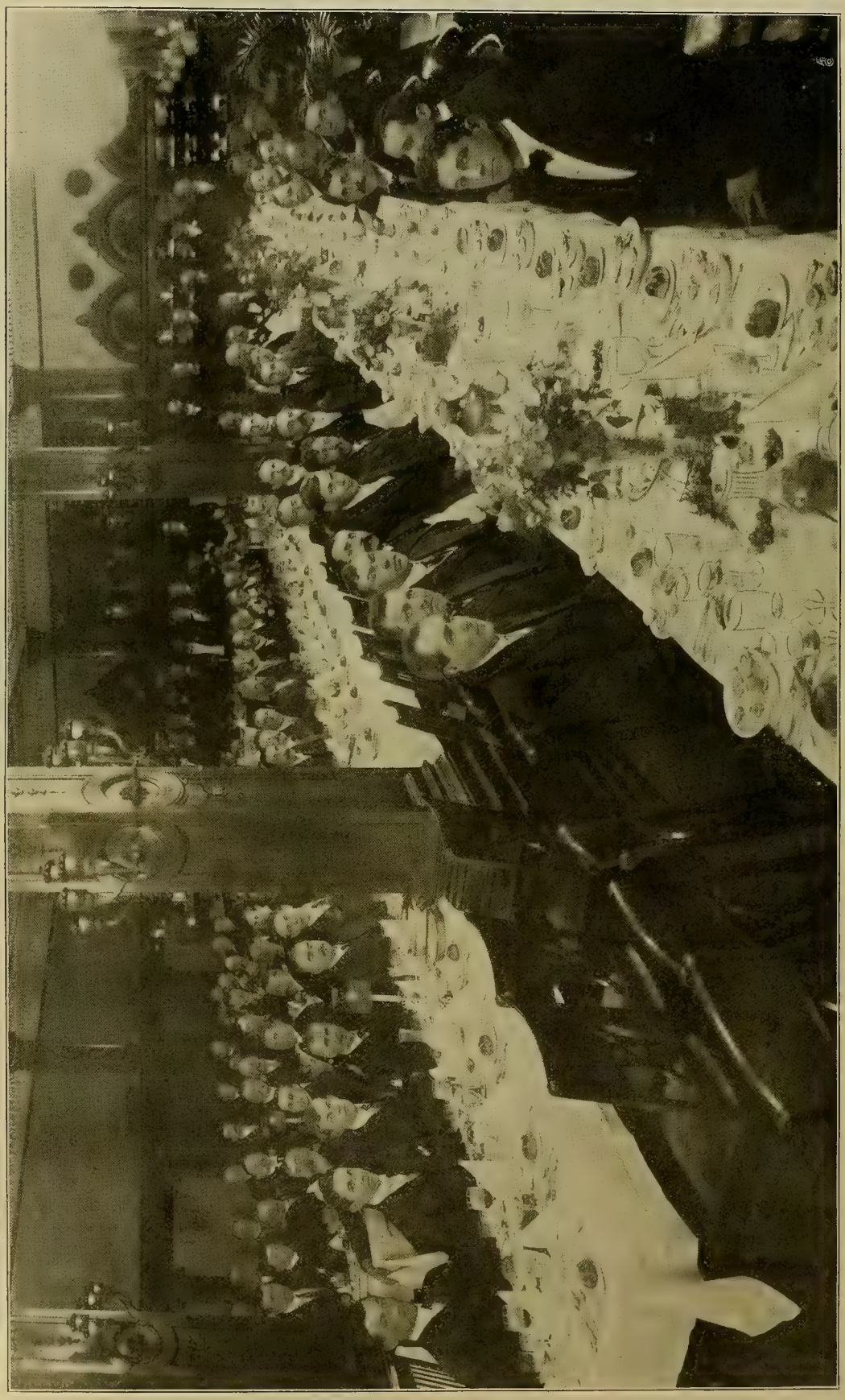
Robert Craig's paper was presented by W. P. Craig and a vote of thanks given as it was a pertinent subject of much interest. The question of the desirability of incorporating the American Rose Society under a state law was raised and referred to the executive committee.

BENJAMIN HAMMOND, Sec'y.

As the Rose Show Appealed to Me.

The Art Institute proved an ideal place for the rose show. A few large palms and six or eight cases of wild smilax would have added greatly as a background for the fine vases of roses. In point of keeping qualities Killarney stood out pre-eminent. It was not excelled by any variety. The best vase of Richmond, on Friday afternoon, was W. H. Elliott's. This is truly remarkable, as they were packed on Sunday, and speaks well for the excellently grown stock.

Bassett & Washburn well deserved the first for 100 American Beauty, and Andrew Benson was the happiest man in the show. There was a lack of pot roses; this class should be shown much larger in future years. It is unfortunate and a great disappointment to many that M. H. Walsh, of Woods Hole, Mass., did not make the magnificent exhibit of pot roses that was seen at last year's meeting at Washington. Such an exhibit would have been a great feature of the show.



BANQUET OF THE AMERICAN ROSE SOCIETY, CHICAGO, MARCH 26.

Robt. Simpson's Mme. Chatenay was magnificent. Many of the stems were over five feet in length. Wyndmoor, the new pink rose, made a good showing and proved to be a first-class keeper. I like its looks and shall watch it. Ivory and Perle were conspicuous by their absence; only one or two small vases of each were shown. The E. G. Hill Co. showed a collection of roses that interested the ladies.

Newport Fairy, shown by Julius Roehrs Co., was much admired. The quality of roses shown this year was much superior to former years. Nine vases of Richmond, of 100 each, was one of the great features of the show.

Vaughan's Seed Store made the most attractive exhibit in the hall with pot roses, both standard and bush form, artistically arranged. American Beauty, as usual, was the predominating variety in the show; over 20 vases of 50 to 100 in a vase were shown.

W. H. Elliott's Killarney was a revelation and his vase of 50 was the most attractive in the hall. Afterglow and O. P. Bassett carnations were shown in good form and had many admirers.

The eastern rose growers deserve a lot of credit for their fine exhibits. In nearly every case their stock was among the best to the last. Has the possibilities of the great Killarney been reached? It gets larger every year. The eastern men can give the westerners some good points on staging for effect.

Kokomo, Ind. W. W. COLES.

Later Awards.

The following are the awards not mentioned in our last issue:

The prize of a silver cup for 100 American Beauty offered by Crane & Co., Chicago, was won by Bassett & Washburn and not by Poehlmann Bros. Co. as announced.

In the class for 25 any other tea or hybrid tea we omitted to state that A. Farenwald, Hillside, Pa., won second prize.

Twelve Chatenay.—J. F. Ammann, Edwardsville, Ill., first.

Twelve any other variety.—J. F. Ammann first with Alice Roosevelt.

Fifty blooms of American origin now in commerce.—A. Farenwald, first.

For general display of roses in pots to occupy not less than 150 feet.—Vaughan's Greenhouses, Western Spring, Ill., first. This exhibit was also awarded Miss M. I. Hammond's prize for the prettiest exhibit in the show to be decided by ladies visiting the show.

Fifty Bridesmaid.—Bassett & Washburn.

For the best new rose not in commerce and never exhibited before the American Rose Society.—Robt. Scott & Son, Sharon Hill, Pa., for Mrs. Jardine.

Fifty American Beauty.—Florex Gardens, North Wales, Pa.

One hundred Richmond.—Geo. Reinberg, Chicago.

One hundred Chatenay (silver cup offered by Vaughan's Seed Store).—Poehlmann Bros. Co.

One hundred Bride.—Bassett & Washburn.

One hundred Sunrise.—Peter Reinberg, Chicago.

Twenty-five Bridesmaid from growers with less than 50,000 feet of glass.—Albert Lies, Niles Center.

Twenty-five Bride.—Albert Lies.

Twenty-five Bridesmaid.—Bassett & Washburn.

Twenty-five Richmond.—Peter Reinberg.

Twenty-five Sunrise.—Peter Reinberg.

Twenty-five Uncle John.—Peter Reinberg.

Twenty-five Bride.—Bassett & Washburn.

Fifty blooms of a new forcing rose never before exhibited for competition (Heller Bros. prize of a silver loving cup).—Myers & Samtman, Wyndmoor, Pa., with Wyndmoor.

Six plants in not larger than 8-inch pots.—Vaughan's Greenhouses, first.

Six climbers in not larger than 7-inch pots.—Vaughan's Greenhouses, first.

The sweepstakes prize and gold medal of the Horticultural Society of Chicago was awarded to W. H. Elliott for his vase of Killarney.

Special growers' prize to the men who did the actual growing, offered by Peter Reinberg.—W. H. Elliott's grower, first ($25); Poehlmann Bros. Co.'s grower, second ($15); Adolph Farenwald's grower, third ($10).

John Davis Co.'s prize awarded to Peter Reinberg for 100 flowers of Mrs. Marshall Field.

Twenty-five blooms of pink roses, not disseminated before 1908 (silver cup offered by J. B. Deamud).—Myers & Samtman, for Wyndmoor.

The Florex Gardens, North Wales, Pa., were awarded a prize of $25, offered by the Globe Coal Co., Chicago, for American Beauty.

SPECIAL MENTIONS.

Special mention was made of Geo. Reinberg for five vases of roses showing high culture, the color being exceptionally good.

Also to W. A. Manda for his exhibit of Cherokee rose (R. lævigata) and others.

Also to J. A. Budlong, Chicago, for a fine exhibit of carnations.

Also to Bassett & Washburn for seedling carnation, O. P. Bassett.

Also to E. G. Hill Co., for vase of Afterglow carnation.

The judges pointed the new roses as follows: Wyndmoor, 84; Mrs. Jardine, 73.

Certificate of merit to Myers & Samtman for novelty.

The judges in memoranda commended the exhibit of Julius Roehrs Co., the new rambler rose, Newport Fairy.

Visitors.

H. M. Altick, Dayton, O.
E. Amerpohl, Janesville, Wis.
Wm. G. Badgley, Chatham, N. J.
Alfred Baur, Erie, Pa.
Irwin Bertermann, Indianapolis, Ind.
A. C. Brown, Springfield, Ill.
J. H. Burton, Buffalo, N. Y.
L. B. Coddington, Murray Hill, N. J.
J. G. Crozer, Cedar Rapids, Ia.
Wm. Dittman, New Castle, Ind.
P. J. Donahue, Natick, Mass.
Theo. A. Dorner, La Fayette, Ind.
J. H. Dunlop, Toronto, Ont.
Walter S. Hall, Osage, Ia.
Chas. Hammer, Memphis, Tenn.
Albert T. Hey, Springfield, Ill.
E. G. Hill, Richmond, Ind.
Mrs. J. H. Hinchliffe, Racine, Wis.
H. O. Hunkel, Milwaukee, Wis.
J. E. Jones, Richmond, Ind.
E. H. Mann, Richmond, Ind.
C. H. Maynard, Detroit, Mich.
Mrs. C. H. Maynard, Detroit, Mich.
Fred H. Meinhardt, St. Louis, Mo.
Robt. Miller, East Brookfield, Mass.
P. J. Pearson, South Bend, Ind.
H. E. Philpott, Winnipeg, Man.
C. C. Pollworth, Milwaukee, Wis.
A. T. Pyfer, Joliet, Ill.
C. E. Shafer, La Crosse, Wis.
Elmer D. Smith, Adrian, Mich.
J. T. Temple, Davenport, Ia.
John Willius, Danville, Ill.

NEW YORK.—After a wild run of two miles a horse attached to a delivery wagon owned by T. W. Mangan was caught by a policeman, at the cost of a broken bicycle and a ruined uniform. He had chased the horse from One Hundred and Twenty-fourth street and Eighth avenue, and at One Hundred and Thirty-fifth street leaped from the wheel and grabbed the animal. The driver had jumped out.

AT THE CHICAGO ROSE SHOW.
Myers & Samtman's Vase of Wyndmoor.

Essay on Hybridization.

BY ALEX. DICKSON, NEWTOWNARDS, IRELAND.

It was with considerable hesitation that I consented, at the request of your society, to write a paper upon hybridization and cross-pollination in relation to the rose. I may say at once, it is a request I have refused many times from similar organizations here and elsewhere, because I have always felt, and indeed still feel, it is a subject upon which it is extremely difficult to write a satisfactory paper. The subject is one which cannot possibly be dealt with satisfactorily in a paper such as the present, and the chief difficulty one has is selecting the lines upon which to write, or the point of view from which to discuss it. I will do my best to make the paper as interesting and instructive as I can within the limited scope at my disposal. I have given the subject my most careful consideration, and I am convinced that the best method of dealing with the subject in this paper is to give you in a condensed form some of the results which have accrued from the labors of my brother and myself, extending over a period of almost 30 years.

I would ask those who hear this paper read, and those who may read it for themselves, to remember, that it is written by a professional rose grower, and, therefore, by one to whom the practical results, from a commercial standpoint, were of the most vital importance, and of necessity this point of view had always to be borne in mind by my brother and myself in our line of experimental inquiry; and it is from this point of view that I deal with it. Hybridization is a subject of intense interest, and the practical application of the science opens up an indefinite and even inexhaustible field of inquiry, but those of us who are professionally engaged upon this branch of horticulture must abandon, to some extent at least, the scientific aspect, in favor of the practical. With the stern realities of life facing me, I have many times—contrary to my desire—been compelled to abandon scientific lines of inquiry, as against the production of new varieties of commercial value—a situation I regretted, but could not help. After 30 years' steady and continuous work, I am inclined to the opinion that the further one pursues the subject of hybridization, the greater the field for exploration.

THE WIDE SCOPE.

I have often thought, whilst pursuing my work and watching the results, that the effect was much like that produced when climbing up a steep mountain. The further one rises, the more the plains below are opened up. I will try to explain more fully as I go on exactly what I mean, and the foregoing observations are made with a view to render less keen the disappointment, which I feel will inevitably follow the reading of this paper. I am conscious that my observations will be read before, and by, men of practical experience in horticulture, and particularly in the culture or advancement of the rose, and by men keen upon the development and improvement of the rose; and I am sorry for this reason that I can give little practical assistance to any who are desirous of entering the field of hybridization on their own account. I may, however, render their disappointment less acute. The main reason why I can render little practical help is, that, when all is said and done, hybridization is a science of pure experiment, or rather chance, as I can easily show. To do this it is necessary for me to assume that everyone—at least everyone interested in horticulture—knows that, so far as seed bearing plants are concerned, they will re-produce their species in some shape or form—maybe with some variation or maybe exactly similar. And it follows that, by the fertilization of different varieties of the same species, new varieties, or at least varieties with some distinctive feature, may be produced. It is a different matter, however, to reduce the chaos, which results from indiscriminate cross-fertilization, to something like definite order—a result far beyond my ambition, or the scope of this paper, if indeed it is at all possible. All I can do in this direction, and indeed it is very little, is to give some results of our labors in hybridization.

EARLY EFFORTS.

We began work in 1879, and naturally our first operations were upon what were considered the finest show varieties of that day. Naturally we chose parents of the choicest colors, having beauty of form, and, as far as possible, vigor of habit. The hope of course was, that the fertilization would re-produce varieties of a different kind, with at least some of the qualities for which the parents had been selected. The results for many years were disastrous. Keen and bitter disappointment followed our experiments. We, however, persevered, always upon fixed lines, carefully recording our crosses and results, making a careful and close observation of the most important features of the offspring of the cross; and I regret to say that, in the majority of instances, there was nothing but dismal failure to record. I think I can safely say that the most certain result of our crosses in the early stages of our experiments was to convince us of the absolute uncertainty of what our results would be. This prevails even now, though in a lesser degree. Possibly this is one reason why rose hybridization is so intensely interesting. There is always and ever the element of uncertainty in it so dear to human nature. One never knows what the fertilization of any two varieties will produce, or, more correctly, how many different varieties. One seed pod containing four seeds may—and has to my knowledge—produced four seedlings absolutely distinct in every conceivable respect. Many and many a time I have seen produced from the seeds sown from one hip, half a dozen seedlings absolutely distinct in color and form, some as single as the ordinary dog rose, and some so full in substance that it was impossible to get them to open even under glass.

Vaughan's Seed Store Silver Cup.

Won by Poehlmann Bros. Co., with 100 Mme. Chatenay.

In the early eighties, when we began to see the results of our labors, we abandoned the original basis of our experiments, namely, the fertilization of the better varieties of hybrid remontant or perpetual, and began a series of cross-pollination between the hybrid perpetual and teas and Austrian briars, and then, using the results of this first cross in a systematic course of in-breeding. The main object which we had in view, was to produce varieties of roses at once vigorous in their habit, continuous in their bloom, at the same time retaining the absolute essentials of all good roses, namely, beauty of color, perfection of form, and delicacy of perfume. It was, of course, a great ambition, and how we have succeeded we must leave the world to judge. Broadly, I would say that such success as has attended our labors, is due far more to the careful selection than to any defined plan of fertilization. As a broad basis of our experiments, we took as parents such varieties as appeared to us to embody the chief elements of our ideal, and worked steadily from these. We had, of course, to experiment upon a very extensive scale, and my point will be readily appreciated when I say, that we were only able to retain for use, either for further fertilization or for commerce, about five per cent of the seedlings raised. To appreciate the labor this entails upon the hybridizer one must follow the rose from the hip until it reaches maturity. In hybridization, carried out upon a systematic plan such as ours, it means that the plants with which we are working, have to be specially selected, planted and grown, and the blooms fertilized. There is then the period required to ripen the hip (and in Ireland this takes considerable time, owing to the cold and dampness of our climate). Then comes the sowing of the seed, and the attention and care during the period of germination. In this respect, it is interesting to note the wide difference in the period of germination in the different cases.

GERMINATION PERIOD.

In some instances, the seed will germinate in two or three months, and in others I have known it to lie dormant for 12 to 15 months. I have never been able to give any reason why this should be so, and particularly why there should be marked differences in the periods of germination in seeds taken from the same hip, yet there is very frequently a marked difference. To continue on the point I am making, it takes anywhere from three to six months according to the vigor of the plant, to bring it to such amount of growth, as will enable us to bud it for the purpose of testing outside. Then, when it is budded, of course it takes a full year to bring the plant to maturity. Here again, one has to face uncertainties, and to be very careful about forming a judgment, as experience has proved time and again, that in the early stages of culture some varieties have displayed the greatest shyness in flowering, and yet, after a few years' cultivation, have taken their places in the front rank, as perfect garden roses, blooming with the greatest freedom. Each year we are compelled to make a very close selection, and to discard every seedling which does not suggest some improvement in, at least, one or two of the essential elements of the perfect rose, otherwise we would, of course, have been flooded out with varieties, which would have been of no practical value to us, or indeed to the rose world at large.

DOUBLE CROSSES.

The system we ultimately adopted was hybridization in the first instance between hybrid perpetuals and teas, and then in-breeding from their offspring, upon the following lines. We made four distinct crosses. We took a seedling of our own, which gave some evidence of possessing at least some of the qualities aimed at, and, in the first instance, this seedling was crossed with the male parent, secondly, the seedling crossed with the female parent, thirdly, the male parent crossed with the seedling, fourthly, the

AT THE CHICAGO ROSE SHOW.
George Reinberg's Vase of Richmond.

female parent crossed with the seedling. As soon as we were able to form an opinion of the results of this inter-breeding, we again made a selection of those most closely approaching our ideal, again in-breeding, but with this difference, that we only made use of a limited number of parents, but in almost every instance making a double cross. For example, if we made a seedling with, say, Marie Van Houtte as the male parent, then during that season, we reversed the cross making Marie Van Houtte the seed bearing parent, and the seedling the male parent. We always had relays of plants prepared in duplicate for this purpose, and we carefully and methodically registered each experiment, thus carrying on our work in a systematic manner, the system of selection of course always playing the most prominent part in the results.

From practical experience, we were able to ascertain which varieties, or rather types, gave us the best results, and we were, therefore, able to a considerable extent to lessen the waste, and to reduce our methods to a system containing at least some elements of certainty. We, of course, have made use of varieties of other raisers, where we have been struck by any special feature which they contained, which was in our opinion an advance upon anything in commerce. The result of our labors has been to produce, what is admittedly an absolutely distinct class, if not family, of roses known as the "Alex. Dickson type." We of course claim that the types of roses we have introduced have made a great advance on those previously in commerce. We aimed at producing a type having vigor of growth, freedom and continuity of bloom, the flowers full and perfectly formed, with unusually long petals, at the same time, growing on bushes, the foliage of which is luxurious and handsome. How far the varieties we have sent out have done what we claim for them, you must judge.

LA FRANCE AS A PARENT.

In our experiments and in struggling with the qualities we have indicated, we felt convinced that La France would prove one of the most useful parents we could possibly have, if we could succeed in making it produce seed. It was, of course, the opinion of most hybridizers that La France was sterile, and with this opinion we were for a long time inclined to agree, and indeed the best that could be said for it is, that there is just the possibility that it may be fertilized. Out of many hundreds of crosses with this rose, only in one single instance did we succeed in making it produce seed, but we feel that the labor we spent was amply repaid, as the ultimate result of it, was the introduction of Mrs. W. J. Grant, known to you as Belle Siebrecht, in our opinion one of the finest roses in cultivation, at least from the Britishers' standpoint. In addition to this, we have always found from practical experience, the roses descended from this particular cross have always impressed their offspring with some at least of the more prominent qualities of the parents, and it was pursuing this particular line of breeding that enabled us to produce varieties, which, from a British standpoint, are ideal exhibition flowers, and at the same time the plants are floriferous and of excellent constitution.

In this group we might mention Killarney, Mrs. Edward Mawley, Bessie Brown, Liberty, Lady Moyra Beauclerc, Lady Ashtown, Mrs. David McKee, Dean Hole, Countess of Derby, Betty, Mrs. G. W. Kershaw, and, last but not least, Mildred Grant and William Shean, two of the finest exhibition roses at present in cultivation in Great Britain. Mildred Grant resulted from a seedling between Niphetos and Madame Willermoz in the first instance, crossed with a seedling of our own, which is not in commerce, and the system of which this is an instance applies pretty generally to all the better classes of roses introduced by us.

After many years of continuous experiment on various lines, we have at last been able to produce what has long been sought for, namely, a yellow tea of good size and color, with a vigor and hardiness of the hybrid perpetual. I refer to the rose Harry Kirk, which is now being grown by most of you, and you will shortly be able to judge whether it fulfills the promises we have made on its behalf. I think you will not be disappointed.

It is interesting to note, in relation to the La France cross, that the same inclination to sterility is apparent in the rose Augustine Guinnoisseau, sport from La France. Out of hundreds of experiments we have not succeeded in getting a single seed pod from this variety.

AT THE CHICAGO ROSE SHOW.
Poehlmann Bros. Co.'s Vase of Richmond.

ROSA INDICA CROSSES.

The only other point of practical importance, which occurs to me, is the fact that in our early experiments, when we had in view the object of producing varieties which would give a greater continuity of bloom, we used in our efforts Rosa Indica, and, after a considerable amount of labor, we succeeded in impressing this much valued quality on some of its offspring which are now in commerce.

In a general way we found it very difficult, and indeed impossible to place the smallest dependence upon the presumption that hybrid perpetuals would impart to their offspring anything of their own color, and, in a general way, we may say that after much experience the chief varieties which we use and use with the best results for the purpose of getting blends are the hybrid perpetuals. Horace Vernet, Charles Lefebvre, General Jacqueminot, and also Austrian briars, Persian Yellow and Harrisoni.

From what I have said, you will readily appreciate the fact that it would be wholly impossible, and, indeed, I think a waste of your time and mine, to give in detail the results of 30 years' hybridizing, and I have done my best to make clear the general lines upon which our work has been conducted, from which it will be readily inferred that the element of chance must always play a prominent part, and I might aptly use the well known quotation from Pope:

"All nature is but art, unknown to thee,
All chance, direction which thou canst not see."

And I ask such of you as may desire to enter for yourselves upon this interesting field of experiment, to go forward with confidence,

"Knowing that nature never did betray
The heart that loved her."

WITH THE GROWERS

The Easter Stock in Philadelphia.

Trips of inspection among the growers of Easter plants in and about this city find them all hard at work getting their stock in condition so that it shall be good and ready and at its best on the days of delivery. With very few exceptions the standard is quite the equal of previous seasons. The plant that is essentially the Easter flower, the lily, is seen in large quantities, although some of the growers have cut down their quantities considerably. The low price of the flowers and the large loss in bulbs that develop disease after considerable expense has been put on them, amounting in many cases to half the crop, has discouraged many and it would seem, unless they can be assured of a greater measure of success by the bulb dealers, they will have more difficulty in securing orders for the coming season than ever. The multiflora type has been the most conspicuous failure, the loss being general with all the growers, ranging in quantity from 20 per cent to, in some cases, a total loss.

Quite a number, in order to get the best stock, paid as high as one-third more for especially selected bulbs, but the results were no better, as there seems to be no effort made at selection, or, if so, they are futile, as in nearly every case the plants, when developed, proved to be very badly mixed, and so many of them were thrown out after considerable labor had been spent on them, to say nothing of the valuable greenhouse room and the pots. With L. giganteum the results have been much better and most of the stocks of this variety look very promising. The Azores also look well, very little disease having developed, the plants presenting a very healthy appearance. They do not, however, carry many flowers to the bulb, many showing but two and three buds, with quite a sprinkling with only one flower. This is attributed to small bulbs, the variety being scarce as yet. Some seven to nine bulbs carry five to seven flowers, which pays very well. The Formosum lily from the island of Formosa is a new kind. This is having its first trial this season and is in the main satisfactory. It is especially valuable for cutting, having a long stem with three to four flowers, which are a trifle longer in shape than multiflora or giganteum. The outside of the petals have a distinct greenish cast, which gives the flower a rather unique look and makes it quite distinctive.

WM. K. HARRIS.

The veteran grower, Wm. K. Harris, who makes a specialty of choice plants for Easter, has his large houses filled to overflowing with a magnificent assortment of the most popular flowering plants, all in the various stages of growth that will bring them just right for the great festival. It takes great manoeuvering to get everything in such a large stock right as to time, but Mills, the foreman, seems to be equal to the occasion and promises to get there safely as usual. A large crop of daffodils had just been cut, the last for the season, just in time to escape the competition of the southern shipments. Daffodils are grown largely for cutting during February and early March. After they are once in, orders by the thousand, up to five or more, can be filled at any time. Each season a little more is added to the import order, as the trade is growing.

Mr. Harris believes in doing things in a large way in this, as in azaleas, and there is to be seen here a grand stock of the latter in all sizes. House after house is filled with the most popular varieties. Made up pots and pans are a specialty here, and where a color effect is desired these plants fill the bill in every way. Deutzias are done so well here that all the other growers have dropped out and Mr. Harris has the market to himself. His stock is very well budded.

The bougainvillea is also a specialty and fine plants are to be seen. The new variegated one which originated with Mr. Harris is now grown in such quantity that flowering plants are offered at moderate prices, and no Easter stock will be complete without some specimens of this beautiful plant. Rambler and other roses are also found in good shape and full of buds, very showy stock. A house of the Azores lily is seen in fine shape. Mr. Mills said, "Just a few for our customers. We could sell many more, but they don't pay." Then he showed a bed of probably 100 plants, bulbs secured by Mr. Harris from a private place, the owner of which had purchased the stock from him many years ago and had never grown any other. No disease had ever appeared in this lot of plants and Mr. Harris hopes to be able to grow his nucleus into a stock from which he may draw on for his own forcing. Variegated maples, rhododendrons, Ghent azaleas, Japanese azaleas, spireas

AT THE CHICAGO ROSE SHOW.
Peter Reinberg's Vase of American Beauty.

and genistas make up the balance of the assortment. Some 12-inch pans of spirea are showing great heads of bloom and should make very effective plants for decorating. Several large houses are given up to Boston and Scott ferns, dracænas and Pandanus Veitchi, which latter is a specialty with Mr. Harris, who

ESTABLISHMENT OF EMIL BUETTNER, PARK RIDGE, ILL.
View of Portion of One House Devoted to White Lilac.

was the first to grow it in quantity commercially. Very well budded plants of gardenias should make great sellers at Easter, as they will be exclusive. A house of hydrangeas, well grown plants, about completes the list of one of the best stocks in the city. Much of the stock is shipped out of town and Mr. Mills takes great pride in the system of packing and delivery, an arrangement with the express companies, a sort of follow-up system, insuring great promptness in forwarding.

THE ROBERT CRAIG CO.

The Robt. Craig Co. has its extensive greenhouses filled with a great variety of Easter flowers. They do not do things in a small way here; all that is best in plants suitable for this great event are grown by the thousand. Lilies are always handled in quantities and this season's crop is as well done as any they have had for years. The multifloras, of which they tried a few, acted in much the same way as with others in this section and were far from satisfactory, but the Azores and the giganteums have done splendidly and should find a ready sale. Mr. Craig thinks the giganteum the best lily for a late Easter and the best all around variety, with the possible exception of the new Formosum, which he thinks will prove to be a good one. Tobacco stems between the pots is the best remedy for green fly, they being very effective if kept fresh. A large house of hydrangeas in which the plants are very vigorous and strong is a feature. Mr. Craig said that this late Easter gave the hydrangeas a chance to develop slowly and would make them good and hard, a condition that should please the retailer and his customer afterwards.

Azaleas are seen here by the thousand in sizes to suit all buyers, from the small plants, suitable for basket work, up to the specimens fit for the most exclusive trade. All colors in both double and single, with a fine lot of Bernard Andreas Alba, the popular white, in bush form, and a quantity of pyramids, nicely shaped plants, all go to make this stock well worth inspection. Rambler roses, Crimson, Lady Gay and Dorothy Perkins are largely in evidence, very fine plants, well set with clusters of buds. Tausendschon, the German rambler, is highly recommended by Mr. Craig, who says it will be a great seller when better known. Like old Greville, it carries flowers of various shades of color, from white to deep pink, in one cluster at the same time. A fine lot of hybrid roses are coming in and will add variety to the others. A house of genistas, well shaped plants, will add their beautiful golden glow. Mr. Craig says they are great sellers. There are two large houses of rhododendrons, which will make a great show. A specimen of the variety Pink Pearl in flower was most beautiful. Mr. Craig says this is without doubt the handsomest variety yet introduced, and when it becomes more plentiful should be a great seller. A great quantity of spirea, amongst which is a block of the new pink, will make a great show when in flower. A house is given up to lilies, small bulbs, planted out on the tables for cutting. Between the rows of lilies is planted Asparagus plumosus for cutting. This Mr. Craig calls an example of intensive culture, or two crops at a time, as after the lilies are cut away the asparagus will have a good start and will soon be ready for cutting.

Other features are large quantities of crotons, thousands of them in small plants of the best varieties. Mr. Craig says they have a great trade in these with florists, who grow them on for fall sales and also for planting out in fancy bedding. A splendid stock of Ficus pandurata in all sizes is coming on. This should have a great sale as a porch plant or for the lawn, as it does splendidly outdoors and its unique tropical appearance is sure to command instant attention. A house is filled with dracænas, well colored plants, which Mr. Craig says find ready sale as centers for vases, porch boxes, etc. The Craig Co. has a large out-of-town clientage and packing to greenhouse men is already going on, with orders increasing daily.

GODFREY ASCHMANN.

Talking of intensive culture, one can see this idea working to perfection at almost any season of the year at the establishment of Godfrey Aschmann, Ontario street. His business has greatly expanded in the past five or six years, and as he cannot add any more houses in his present location, he has been obliged by force of circumstances to make the most of the room he has, and it is astonishing to see how every inch of room, both on the tables as well as above and below them, is utilized. Every inch of available space is pulling and filled with stock in all stages of growth up to that ready for shipping. Azaleas, hydrangeas, lilies, cinerarias, genistas and bulbous stock are seen here in quantity, and without exception all of good quality. Mr. Aschmann aims to grow his stock cool, so that it will be hard, as almost all his trade is with out-of-town florists who depend on him year after year for their Easter and Christmas stock. The shipping facilities are of the best in the land, as the two principal express companies send their wagons three times a day for the goods as fast as they are got ready.

Araucarias are a specialty here, as are

ESTABLISHMENT OF EMIL BUETTNER, PARK RIDGE, ILL.
View Across Section of Enchantress Carnations.

also Boston and Scott ferns. Immediately the Easter stock is out of the way, the entire space will be filled with salvias (Bonfire) begonias, geraniums and other bedding plants. A feature here is the moonvine, all grown from seed. They are grown by the thousand and are sent to even remote parts of the country and to such extremes as Mexico and Canada. Mr. Aschmann attributes much of his success to his advertising in the trade journals, which keeps the trade informed as to the stock on hand and the prices. He says he often has to return money received with orders which have been received in answer to his advertisements, but which were not received until the stock was exhausted.

H. FAUST, MERION.

H. Faust, of Merion, who makes a specialty of lilies and who has been very successful in the past, has devoted almost his entire place to their culture, and his stock of 10,000 pots is as pretty and uniform a lot as one would want to see. They are certainly an ideal lot, and Mr. Faust is justly proud of them. The varieties are two-thirds giganteum, carrying five to eight flowers, with a number of double crowns having from 10 to 12 to a pot. The balance of the stock are Azores mostly for cutting. These carry from two to three blooms to a stalk. The percentage of loss in this entire lot was very small and scarcely worth mentioning. K.

Emil Buettner, Park Ridge, Ill.

A grower who has made a distinct impression on the Chicago cut flower market is Emil Buettner, of Park Ridge, a suburb located about 13 miles from the center of the city on the Chicago & Northwestern railway. Mr Buettner is known not only as a grower of select stock, but as well for the sound principles upon which he has built his business. A theory to which he closely adheres in practice is to build only as fast as the glass he has can be brought to the limit of its production. His keen and impartial judgment has frequently brought him to the front as one of the judges at the flower shows.

He put up his first greenhouses in July, 1888. This range consisted of three violet houses, 10x125 feet each, and three 18x125-foot houses for carnations and miscellaneous stock. Each of the first six years saw new glass added until at length approximately 100,000 square feet was brought into commission. After that new building went on more slowly, although from time to time old houses were torn down and rebuilt as occasion required. Thus the range as it stands now is a new one of modern construction, all built within the last three years and consisting of 29 houses, varying in width from 18 to 29 feet, and in length from 125 to 265 feet.

White lilac is one of the famous products of this establishment and it is surprising what a small ground area it takes to practically supply the Chicago market as it is known that a good share of it is grown here occupying scarcely a third of a short house.

Carnations are showing up in prime condition. The varieties grown include: Thos. Lawson, White Lawson, Lady Bountiful, Enchantress, White Enchantress, Rose Pink Enchantress, Winsor, Aristocrat, White Cloud and White Perfection. The same varieties will be grown this coming season. The 1,000 plants each of Winsor and White Lawson will be about quadrupled. The excellent care of the stock is clearly in evidence to visitors, but may also be judged from the fact that 55,000 carnations were for a time this season weekly consigned to the A. L. Randall Co., of Chicago.

The roses, which were just coming into crop, at the time of our visit, include 1,500 plants of Bride, 12,000 Bridesmaid, 9,000 Richmond and 500 Killarney. Of this last named variety there will be 4,000 plants for next season. Of neither roses nor carnations does Mr. Buettner make a practice of selling cuttings, but does plan to grow healthy stock as well as conditions of any season will permit. When a thing does not produce or fails to be profitable out it goes and in its place something that promises better results is put.

Cotton Shower Bouquet.

The lilies are coming along famously. There are about 9,000 plants, all for cutting at Easter time. Giganteum is the variety grown and it now promises to come up to the best of other year's crops.

Formerly Mr. Buettner was associated in business with Ernst Wienhoeber. The partnership agreement expired in 1894 and was not renewed, although he still supplies the Ernst Wienhoeber Floral Co. with stock. All the rest of his flowers go to the A. L. Randall Co.

Cotton Shower Bouquet.

The accompanying illustration shows a bouquet of cotton with showers of ribbon and Asparagus plumosus, made by Geo. F. Lambert designer for George & Allan, Cincinnati, O. This bouquet was presented to two of the leading members of the Forepaugh Stock Co., playing at the Olympic theater, March 5, on the occasion of the anniversary of their wedding.

H. Bayersdorfer & Co., Philadelphia, Pa.

Just now the current of Easter trade is setting heavily toward the well known florist supply house of H. Bayersdorfer & Co. Orders have been coming in so heavily that they but recently put on more help and still all hands are being rushed. In the line of Easter offerings, there does not seem to be anything that the trade will demand, which they do not have in stock. A very noteworthy feature is the great supply of flower baskets, many of which are in novel and beautiful designs.

As an instance of the business they are doing, within a short time they have sold out 100,000 bunches of sea moss. Their great stock of crepe paper pot covers is another feature that should be attractive to florists. Their stock of Pompeiian ware from large vases to small dishes, comprises a most unique and attractive display and must be seen to be thoroughly appreciated. Their stock of immortelles, designs and other requisites of the business, is so complete that prospective buyers cannot fail to have their wants satisfied. With an immense building and all the accessories for handling unlimited business, this concern has justly earned the title of the "leading supply house of America."

London.

There is great depression in the cut-flower trade at Covent Garden, especially in roses, fine long stemmed Liberty being sold at 50 cents per dozen. The outlook for trade is certainly bad. In pot plants trade is also quiet. The prominent features are: White lilac; Begonia Turnford Hall; Nephrolepis todeaoides and the Bermuda juniper. Hardy plant roots are now selling freely, also pansies and sweet peas in small pots.

At Wisbech in Cambridgeshire, the center of the English bulb growing district, the bulbs look promising, though the season is late. R. H. Bath, Ltd., is one of the largest growers and the bulbs are planted between gooseberry and apple trees. The trees form a good shelter to the bulbs, which is necessary, as the position is flat and open, with a strong breeze from The Wash. Over an acre of Tulip Golden Crown was one of the most prominent features.

At the Royal Horticultural Society's meeting orchids were magnificent, as were the forced shrubs from Wm. Paul & Son, Cheshunt, consisting of Pyrus Persica, the carnation flowered and P. Scheideckeri. The same firm showed Rosa hugonis, a small leaved variety, with single, yellow flowers, likely to be used for hybridizing. Jarman of Chard staged his new cactus Cineraria stellata, which he has perfected after five years' work on it. It was much admired. S.

To be Done Now.

IN THE GREENHOUSES.

Get the cannas all into the flowering pots as soon as possible.

Shift on young coleuses and grow the plants in a very light house to bring out the color in the foliage.

Pot marguerites firmly in a fairly heavy soil that will produce flowers rather than rank growth of foliage.

Leave a little air on at night for a short time after mulching rose or carnation benches with fresh manure.

As soon as the early poinsettia cuttings are ready insert them over a strong bottom heat in clean sand.

Watch the firing very carefully. Overheating the pipes in the morning not only wastes fuel but is productive of weak growth and insects.

Fumigate at the first sign of green fly on the pelargoniums or the plants will soon be overrun.

Top the strongest shoots on the tea roses when a few inches high unless extra large flowers are wanted.

Pinch out the earliest flower trusses on the calceolarias to throw vigor into the side shoots, which will form a much finer head.

IN THE STORE.

Magnolia foliage, when fresh and of good color is a great help in making up large, striking wreaths.

Never be afraid of giving too good value in wreaths or designs at a time when stock is plentiful.

Asparagus Sprengeri and bright red carnations have an affinity which should often be made use of.

There is scope for originality even in such a small matter as decorating an Easter azalea.

Where possible, always use the foliage of lily of the valley with the flowers as no other green is so suitable.

Charming effects in sprays may be obtained by associating flesh colored carnations and violets.

OUTDOORS.

In grading operations see that tree trunks are not deeply buried. Many fine trees have been injured, and in some cases lost, by inattention to this.

Prepare a quantity of dry soil for sprinkling around and covering small seeds when the beds or borders do not work well.

Clean up edging plants such as the dwarf phloxes and others that flower early.

Shake a little loose litter around the rhubarb roots that are not to be forced to protect the stems, earlier produce being thereby insured.

Uncover the tea roses in order that the stems may harden a little before pruning.

Sow cornflowers, annual chrysanthemums, mignonette and other hardy annuals in clumps and lines.

Quarters that were well prepared in fall for asters, sweet peas, etc., may be lightly forked over as soon as the surface is dry enough.

When pricking up the shrub borders for the sake of tidiness avoid disturbing the surface roots.

Where slugs are plentiful sprinkle a little soot and lime around the primroses or many of the earliest and best flowers will be lost.

OBITUARY.

E. Dillwyn Darlington.

E. Dillwyn Darlington, for many years connected with the well known seed firm of W. Atlee Burpee & Co., Philadelphia, died from pneumonia March 26, at his home on Maple avenue, Doylestown, Pa., his native town. His connection with the above firm commenced 25 years ago and at one time he produced all the plants required for the plant department of the Burpee business. In 1887, when the firm bought Fordhook farms near Doylestown, Mr. Darlington, being a resident of that town, was made superintendent of trials, a position which he occupied up to the time of his death and in addition during the winter months looked after a very large portion of the correspondence in the Philadelphia office.

Mr. Darlington had a very wide knowledge of plant life and was a recognized authority on many varieties of vegetables and flowers and, besides writing numerous leaflets and books, contributed quite frequently to the different horticultural magazines. He was in his fiftieth year and leaves a widow and three children, two boys and one girl. When Mr. Darlington died, Mr. Burpee was in the south with Mrs. Burpee, but returned immediately upon receipt of telegram announcing the sad event.

Wholesale Price of Easter Plants at New York, April 1, 1908.

		Each.
MISCELLANEOUS STOCK.		
Acacia Longifolia		$1.50, 3.00, 5.00
" "	specimens	15.00, 25.00
" Paradoxa		1.50, 2.50, 3.00, 5.00
Azalea Dwarf Encke		.35 to 1.50
" Indica	in variety	.50 to 20.00
Bougainvillea	bush	1.50, 3.00, 5.00, 10.00
"	standards	3.00, 5.00
"	pyramids	6.00, 8.00, 12.00, 15.00
Boronia	bush	.35, .75, 1.00, 1.50, 3.00
Cineraria		.25 to 1.00
Candytuft	pots and pans	.15 to .75
Daisy, Marguerite	pots	.25, .50, .75, 1.00, 1.50, 2.00, 3.00
" "	pans	.35, .50, .75, 1.00, 1.50
Deutzia Gracilis		.35, .50, .75
Erica Cavendishiana		2.00, 3.00, 5.00
" Cuperissina		.25, .40, .75, 1.00
" Persoluta alba		.40, .75, 1.00
" Magnifica		2.50, 3.50, 5.00
Geraniums		.07 to .10
Genista	bush	.25, .50, .75, 1.00, 1.50, 2.00, 3.00
"	tree and standard	5.00 to 15.00
Gardenia	pots	.75 to 3.50
Hawthorn (Cratægus oxycantha)	pink and white	1.50, 2.00, 3.00
Hydrangea	bush	.50, .75, 1.00, 1.50, 2.00, 3.00 to 10.00
"	standard	1.50, 2.00, 3.00
Japanese Plants (in Jap. Jars)		.20 to 10.00
" Gardens		1.50 to 25.00
Lilies, Longiflorum types	per bud or flower	.08 to .12
" Calla	per pot	.50, 1.00, 1.50
Metrosideros (Bottle Brush)		2.00, 3.00, 5.00
Paeonia Moutan	pots	1.50
Pansies	pots or pans	.08, .12, .25
Primula obconica	pans and pots	.10, .15, .50
Rhododendrons		1.00, 1.50, 2.00, 3.00, 5.00 to 15.00
Spirea	in variety	.35, .40, .50
"	new pink	.75
Viburnum, Snowball		1.50, 2.00
Wistaria Chinensis	white and purple	2.50, 3.00, 5.00 to 25.00
ROSES.		
Crimson Rambler	bush	.75 to 5.00
" "	pyramid	6.00 to 15.00
" "	basket and other forms	6.00 to 15.00
Dorothy Perkins	bush, pyramid and basket	1.50 to 15.00
Lady Gay	" " "	1.50 to 15.00
Wedding Bells	" " "	1.50 to 15.00
H. P. Types		
Ulrich Brunner		.35, .75, 1.50, 2.50, 3.00
Frau Karl Druschki		" " " " "
Magna Charta		" " " " "
Paeonia	pot and pans	" " " " "
BULBOUS STOCK.		
Daffodils	pots and pans	.25 to 1.50
Hyacinths	pots and pans	.10 to 1.50
Lily of the valley	pots	.50, .75
" " " "	pans	1.00, 1.50, 2.00
" " " "	baskets	2.00, 3.00, 3.50
Tulips	pots and pans	.35 to 1.00
STOCK SUITABLE FOR HAMPER WORK.		
Cyperus alternifolius	variegated	.50
Diffenbachia		.35, .50
Dracæna Godseffiana		.15 to .50
" Sanderiana		.10, .15
Ficus repens		.12, .15
Hibiscus Cooperi		.15, .35, .50
Isolepis		.10
Maranta Kerchoveana		.35
" Leitzii		.20 to .35
Panicum variegatum		.08 to .20
Peperomia argyræa		.20
Reineckia	green and variegated	.15 to .25
Selaginellia		.12
Tradescantia discolor		.12

General stock, especially specimen plants, not up to the standard of the past several seasons.
Lilies rather short. Most growers having discarded a greater percentage of their bulbs than usual.
Tree wistarias, in large sizes, and Dorothy Perkins in basket form, exceedingly fine.
Growers report all stocks, particularly medium price sizes, selling well.
A busy Easter expected and predicted.

WM. WALLACE BURNHAM.

The Late W. A. Kellerman.

The body of Prof. W. A. Kellerman, who died of fever in the wilds of southeastern Guatemala, will not be disinterred, respecting the wishes of the scientist expressed to the family prior to his death. This fact, coupled with the news brought by James Zimmer, one of the students in the ill-fated expedition, who has just returned from Guatemala, that governmental customs preclude removal of bodies before the elapse of several years, make it assured that Prof. Kellerman's burial mound among nature's children he loved so well, will not be disturbed.

Mr. Zimmer and H. E. Barber, another student member of the party, visited Mrs. Kellerman recently and told the story of the scientist's death. Mr. Zimmer said the party was about 17 miles from any city when Prof. Kellerman became very ill, but that his malady was not considered serious. The next day, March 7, Dr. Kellerman with two companions traveled to Los Amates on mules, and from that place the botanist and Mr. Barber took a train for Zacapa, 75 miles distant, on the new railroad. Dr. Kellerman died the following night. He was found dead, with his hands folded across his breast when his companion got up about midnight to see if anything was wanted. The body was buried the day after death, according to law.

Plant Affinities.

Mrs. Emma Burbank Beeson, sister of Luther Burbank, has a short article under this title in the Overland Monthly. The principles of this plant affinity, the writer says, are imperfectly understood, and though simple in themselves admit of an almost infinite variety of combination. Characters which appear incongruous may invite and produce harmonious results, apparently new qualities being only new combinations of latent or obvious characteristics of the parent plants. Many vegetables and flowers are the products of repeated combinations as the result of plant affinities. These have been termed chance results, yet wind and tide, animals, birds, insects and other natural forces have been active in furthering their development.

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Mother April.

Make me over, mother April,
When the sap begins to stir!
Fashion me from swamp or meadow,
Garden plot or ferny shadow,
Hyacinth or humble burr!

Make me man or make me woman,
Make me oaf or ape or human,
Cup of flower or cone of fir;
Make me anything but neuter,
When the sap begins to stir!

THE New England Dahlia Society will hold an exhibition of dahlias at Tremont temple, Boston, Mass., September 17-19.

OWING to lack of space we are compelled to hold over several important papers this week.

IT is understood the official report of the meeting of the executive committee of the Society of American Florists, held in Niagara Falls, N. Y., March 24, will be made public by Secretary Rudd next week.

A HIGH tribute is paid to the geranium catalogue of R. Vincent, Jr., & Sons Co., of White Marsh, Md., in the Horticultural Advertiser, Eng. This publication deplores the fact that no such catalogue is issued in England and the editors are in a peculiarly good position to know.

THE committee of fifty on the National Flower Show met in Chicago in the club rooms of the Art Institute March 26, and the following day a meeting of the executive committee was held. Important business was transacted on both occasions. At the request of the chairman, W. F. Kasting, we await the official report of proceedings, which it is understood will be forthcoming soon.

THERE is a disposition on the part of growers who open their greenhouses to the public on Sundays to withdraw this privilege. It is a pity that the pleasure of the many should be curtailed by the misdoings of the few who do not, apparently, appreciate the kindness of growers sufficiently to keep their hands off choice flowers or conduct themselves properly when in the greenhouses.

AN international forestry exhibition is to be held in Stockholm, the beautiful Swedish capital, in 1910. American products are expected from the Adirondacks and other points. British exhibitors will send exhibits and others are expected from Egypt, South Africa, Canada and Australasia. Comparisons will be made of rare woods from remote parts of the world and practically unknown trees now without names will be subjected to comparative examination and recorded in accordance with a definite scheme of terminology.

Remedies for Primula Poisoning.

ED. AMERICAN FLORIST:—

In THE AMERICAN FLORIST I see inquiries respecting a remedy for poisoning owing to handling Primula obconica and inclose one I have used with success; it is also equally good for ivy poisoning: Carbolic acid, two drams; soda sulphate, three drams; water, six ounces. Mix and apply. H. N. S.

In reply to inquiries for a remedy for poisoning by Primula obconica use: Witch hazel or Pond's extract, or better still, marjoram cream, put up by Dr. E. Cook of Brooklyn, N. Y.

W. ROELKER.

Forced Draught for Hot Water Boiler.

ED. AMERICAN FLORIST:

We wish to have information in regard to the use of a blower for forced draft to enable us to use the fine grade buckwheat, pea, or soft coal, in a hot water boiler. I recently read article in the AMERICAN FLORIST on Pierson's plant at Tarrytown, in which it was stated that buckwheat coal No. 3 was used with steam engine to force hot water through the greenhouse pipes. We have too small a plant for a steam boiler. How can we get our draft with hot water boiler? We have a strong pressure of water. Can we use a water motor?

A. T. B.

Regarding the burning of fine grades of coal in hot water boilers, would say that proper results can be obtained in two ways: first, with a chimney of proper height to give sufficient draft to draw the air through the coal, or by a mechanical forced draft; if there is no steam available, a small apparatus can be operated with a water motor, but we would advise installing a small electric motor. If you give us more detailed information regarding the size of the boiler or the size of the grate, we will be glad to give you more definite information on the matter. J. H. C.

Trouble with Geraniums.

ED. AMERICAN FLORIST:—

We send you a sample of diseased geraniums. May we ask through your columns the cause and remedy for this trouble? It attacks the plants in all sizes, from the cutting bench up to old plants, but more generally when they are growing strong. All at once the young leaves look as if they had been stung and gradually curl up; they do not recover. It does not take a bench generally but a plant here and there, all through the house. They have plenty of room and are kept on the dry side, with all the fresh air that can be given at this season of the year. Is our soil too light? SUBSCRIBER.

The trouble arises partly from poverty of soil, as shown by the thin texture of the foliage and comparatively poor color. A more loamy soil would help matters here and firmer potting. But this disease is often troublesome even with the best grown plants and if possible it would be well to get new stock for another season. If not, plant some healthy stock for propagating outside and take cuttings of this in summer, thus obtaining your stock clean, for very often plants will outgrow this trouble in the open air. Your treatment as to giving plenty of air is right but has this been followed right along? Usually, when by keeping plants hard from the first solid growth is made, these hardy specimens will either not take any disease that is about, or, if it attacks them, they are vigorous enough to throw it off. When it comes to treating such plants as geraniums with nostrums it is a poor lookout and it is far better to grow the plants healthy and hard so as to resist disease. G.

Meetings Next Week.

Butte, Mont., April 10.—Montana Florists' Club, Columbia Gardens.

Chicago, April 8.—Gardeners' and Florists' Union No. 10615, 10-12 Clark street.

Cincinnati, O., April 11, 8 p. m.—Cincinnati Florists' Society, Jabez Elliott Flower Market.

Davenport, Ia., April 9.—Tri-City Florists' Club.

Denver, Colo., April 10, 8 p. m.—Denver Floral Club, 323 Charles Block.

De Moines, Ia., April 7, 8 p. m.—Des Moines Florists' Club, Iowa Seed Co.'s store.

Grand Rapids, Mich., April 6.—Grand Rapids' Florists' and Gardeners' Club, Board of Trade rooms, Pearl street.

Hamilton, Ont., April 7, 8 p. m.—Hamilton Gardeners' and Florists' Club, office of member.

Hartford, Conn., April 10, 8 p. m.—The Connecticut Horticultural Society.

Indianapolis, Ind., April 7, 7:30 p. m.—State Florists' Association of Indiana, State house.

Louisville, Ky., April 7, 8 p. m.—The Kentucky Society of Florists.

Madison, N. J., April 8, 7:30 p. m.—Morris County Gardeners' and Florists' Society, Masonic hall.

Montreal, April 6.—Montreal Gardeners' and Florists' Club, Alexandria rooms, 404 St. Catherine street, west.

New Bedford, Mass., April 9.—New Bedford Florists' Club.

New London, Conn., April 8.—New London County Horticultural Society, Elks' hall.

New York, April 8, 4:30 p. m.—Horticultural Society of New York, American Institute rooms.

Omaha, Neb., April 9, 8 p. m.—Omaha Florists' Club, City hall.

Philadelphia, Pa., April 7, 8 p. m.—Florists' Club of Philadelphia, Horticultural Hall, Broad street, above Spruce.

Pittsburg, Pa., April 7, 8 p. m.—Pittsburg and Allegheny Florists' and Gardeners' Club, 422 Sixth avenue.

Salt Lake City, Utah, April 7.—Salt Lake Florists' Club, Huddart Floral Co., 114 East Second South street.

Seattle, Wash., April 7.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.

St. Louis, Mo., April 9, 2 p. m.—St. Louis Florists' Club, Burlington building, Olive street.

Washington, D. C., April 7, 8 p. m.—Florists' Club of Washington, 1214 F street, N. W.

Bulletins Recently Issued.

By the Department of Agriculture, Washington, D. C.:

"The Production of Easter Lily Bulbs in the United States," by Geo. W. Oliver.

"Progress in Legume Inoculation," by Karl F. Killerman.

By the Wyoming State Board of Horticulture:

"Survey and Outlook of the Fruit Interests of the State," edited by the secretary of the board.

By the Louisiana State University and A. & M. college:

"Japanese Persimmons," by F. H. Burnette.

By the University of Nebraska Experiment Station:

"The Bud-Rot of Carnations," by F. D. Heald, and "A Mite Accompanying the Bud-Rot of Carnations," by Robt. H. Wolcott.

By the University of Arizona Experiment Station:

"The Scale Insects of the Date Palm," by T. D. A. Cockrell, and "The Extermination of Date Palm Scales," by R. H. Forbes.

By the Maryland Agricultural College:

"Fertilizer Analyses," edited by H. B. McDonnell.

"Stable Manure Experiments," by W. T. Taliaferro and H. J. Patterson.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Every paid subscriber to the AMERICAN FLORIST for the year 1908 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—by young man, 22 years in greenhouses or store: have had some experience; in Chicago preferred. Address C. WAHLERS, 928 Walnut St., Chicago.

Situation Wanted—By a first-class grower of roses: married 10 years' experience; state wages and particulars in first letter. Key 489, care American Florist.

Situation Wanted—German, single, two years' experience in general greenhouse work in America, wants position. Address Key 487, care American Florist.

Situation Wanted—Young American would like a position in first-class store long experience no objection to Pacific coast. Address Key 502, care American Florist.

Situation Wanted—By practical grower of roses carnations and general stock; lifetime experience, middle aged, married good references. Key 499, care American Florist

Situation Wanted—By a good greenhouse man 13 years' experience in roses, carnations, 'mums and pot plants, state wages and particulars in first letter. Key 500 care American Florist.

Situation Wanted—By young man, strong and capaple of doing all kinds of greenhouse work; five years' experience in Germany and 4 months in America. Key 498 care American Florist.

Situation Wanted—As working foreman, 16 years' exprience in fruit, roses carnations, mums and all bedding plants, etc. Private or commercial; one in family. Box 45, Oceanic, N. J.

Situation Wanted—As superintendent, working foreman or gardener; private place, commercial, cemetery or hotel grounds; A1 grower in all lines, landscape and floral; California place wanted; address, stating wages, etc., H. BREEN, Burlingame, San Mateo Co., Calif.

Situation Wanted—As working foreman first-class grower of roses, carnations, palms, ferns and bedding plants; good decorator and designer; German, 29 years of age 12 years in this country. Sober and good worker best of references. Box 2018. Frank H. W., Fort Wayne, Ind.

Situation Wanted—By a young man of 23 years of age on a private place or commercial greenhouses; 3 years' experience in greenhouse, lifetime in vegetables; have some knowledge of planting trees, shrubs, perennials and flower beds Key 492 care American Florist.

Situation Wanted—Gardener, first-class greenhouse man good experience in all kinds of gardening also vegetables and seedstore work; German, 29 years old 15 years in the gardening and florist business, desires position. Please state wages address. FRANZ BADEWITZ. General Delivery, New Orleans, La.

Situation Wanted—As head gardener on private or public place; German, 31 years of age, 12 years in this country; strictly sober; practical experience in all kinds of indoor cut flowers, palms, ferns, fancy pot plants also decorating landscaping, carpet bedding fruit and vegetable growing; best of references. F. H. W., Florist, care F. Koenig, 1119 Columbia Ave, Ft. Wayne, Ind.

Situation Wanted—Working foreman and manager; 35 years of age. German, single, hustler strictly sober, intelligent good education, 22 years' practical and theoretical experience in roses, carnations ferns 'mums, violets, bulbs, beddding plants fancy Xmas and Easter plants, design, deco ating landscape; good references as working foreman; disengaged April 1; good wages expected. Key 501, case American Florist.

Help Wanted—Good man to run small place himself. Steady position; German preferred. With full particulars address Key 491, care American Florist.

Help Wanted—Single man to grow roses and carnations and bedding plants under foreman; steady job and advancement to right man; state wages expected in first letter, address JOHN HORSMAN, Dorchester, Va,

Help Wanted—At once, a man capable of potting and bedding out also assisting in retail store when necessary; salary $12 per week; full particulars and copies of references in first letter. JOHN RECK & SON, Bridgeport, Conn.

Help Wanted—Good growers of first-class stock, roses, carnations, 'mums, etc., for retail store; coldest weather this winter 14 above; modern greenhouses; good wages to right party. Address Key 490, care American Florist.

Help Wanted—First man to grow bedding plants bulb stock and chrysanthemums; good potter and planter; steady place good wages for sober, industrious man. CASSIDY & SONS, Calvary Cemetery, Greenpoint Ave., Long Island City, N. Y.

Help Wanted—A good steady man understanding growing cukes and lettuce under glass; married man preferred, steady employment and nice cottage furnished; give references and state wages. W. J. WHINNEY, Hazel Park, St. Paul, Minn.

Help Wanted—At once A1 rose and carnation grower, one who can take full charge of 40 000 ft. glass and produce good stock must be sober and honest, and fully capable of handling help to good advantage; wages $60 00 per month, and if single, good room on the place. Address Key 497, care American Florist.

Catalogues Wanted—I desire late catalogues from firms handling seeds, bulbs and florists' supplies. W. W. WESTON, Manila, P. I.

For Sale—Greenhouse and cottage with 2 to 5 acres of land in Glen Ellyn, Ill. Good for business and investment. Write the owner, Box 295, Jamestown, Pa.

For Sale—27,000 feet of glass, filled with first-class stock; located in one of Chicago's suburbs; low price. Address MRS. HUBERT HANSEN, 4016 N. Clark St., Chicago.

For Sale—Greenhouses and stock; about 20,000 feet of glass, well stocked with all kinds of bedding plants, ferns, palms and cut flowers; for terms inquire of Mrs Hugo Book, College street, Worcester, Mass., or L Midgley, Worcester Conservatories, Worcester, Mass.

For Sale—20,000 square feet of glass, well stocked; three acres of ground; six-room house; all modern, in good condition, and a money-making place in best city of Indiana; $4,500 required. Details to parties meaning business. Key 427, care American Florist.

For Sale—A retail florist business, 5 greenhouses about 5000 feet of glass, store barn, 8 room house, lot 100 feet front, over 200 feet deep, located in fine neighborhood; a good opportunity for two young men who understand the business with small capital to start; good reason for selling; party must have $5 000, balance to suit purchaser. G. F. THRUN, 8707 Cedar Ave., Cleveland, O.

For Sale—Five greenhouses under 20,000 feet of glass, with growing crop of carnations, four acres of ground, best kind of soil, five-room and attic frame dwelling 24x36 feet, good well and windmill, barn, horse and wagon. Property built six years ago and is in A1 condition. Will be sold at a bargain. WISCONSIN NATIONAL LOAN AND BUILDING ASSOCIATION Room 22, Mitchell bldg., East Water and Michigan Sts., Milwaukee, Wis.

WANTED.

A competent man for designing and packing room to take full charge. Must be a first-class workman on funeral work and be thoroughly experienced in the retail cut flower line. Also one experienced on pot plants and design work; good situation for the right men: apply with references

S. J. REUTER & SON, INC.,
WESTERLY, R. I.

MANAGER—FOREMAN

To take entire charge of our plant. Must be strictly sober, reliable and capable of conducting a large place successfully and be indorsed by former business associates; and must be able to take up about $5 00 worth of stock to **have a working interest** in the firm.

L. F. DARNELL, Treas., The J. M. Gasser Co.
1035 Prospect Ave., Cleveland, O.

To Lease or Run on Shares

The owner of a small nursery and well stocked greenhouse and flower shop now doing business in Northampton; will make a liberal business offer (based on lease or shares) with an enterprising nurseryman and florist of training and experience. Apply to the

Home-Culture Clubs, Labor Exchange,
Northampton, Mass.

NOW READY. **1908 EDITION.**

——THE AMERICAN FLORIST——

TRADE DIRECTORY

of the entire **HORTICULTURAL TRADE** of America,

Price, $3.00 Prepaid.

A complete alphabetical list of all American cities with the names and addresses of all commercial horticulturists therein. A separate list, arranged alphabetically, of every commercial horticulturist in this country. A separate list of park superintendents, and all cemeteries. A separate list of all florist's clubs and horticultural societies, with their newly elected officers to date.

POEHLMANN'S ROSES

Awarded DORRANCE CHALLENGE PRIZE At the American Rose Society's Show last week.

ALSO ELEVEN OTHER FIRST PRIZES.

The high quality of every one of our exhibits was remarked by all the trade visitors. It proved that the Poehlmann Bros. Co. not only has held the pre-eminent position won at the previous exhibitions, but has this season surpassed itself in quality of its stock and beaten its own best record. No other exhibitor ever made such a showing. We can supply the exhibition grade of stock to all who order it and shall cut heavily for Easter.

Big Cuts of Long Beauties and Carnations Now On

We grow our own **Easter Lilies, Lily of the Valley, Mignonette, Tulips, Daffodils,** and all other seasonable flowers. Special low prices on all kinds of stock.

EASTER LILIES IN POTS. Order now while in bud. They ship better.

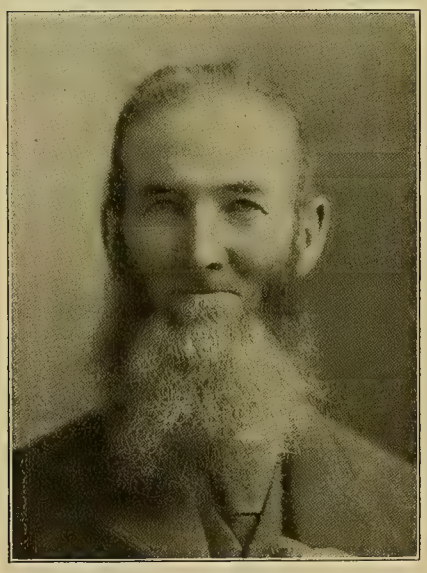
$12 to $15 per 100 blooms. $120 to $150 per 1,000 blooms.

See Superior Quality of Stock for yourselves. Visit our greenhouses when you come to town. Send us your Easter order Now.

POEHLMANN BROS. CO. Office and Salesroom, 33-35-37 Randolph St. Long Distance Telephone, Randolph 35. **CHICAGO**

Galt, Ont.

There was a pleasant meeting of 25 guests at the home of John Wells, on Concession street, March 7, nearly everyone present being a gardener or a florist. A good dinner was served and a most pleasant time had, Adam Dunn, the Rose street florist, paying tribute to his host in a humorous and excellent speech. We reproduce herewith an excellent portrait of Mr. Wells, who, although not at present in the best of health, is able to superintend the management of his business, in which he is ably assisted by his son Vincent. John Wells is an old and much respected citizen, having been in the florist business here for 45 years. He is a native of Banbury, the old Oxfordshire town in England, famous for its cakes and cross.



John Wells.

G.

BOONVILLE, MO.—The Stammerjohn brothers, proprietors of the Vineclad Greenhouses, suffered a loss of $500 in damage to their greenhouses during the hailstorm of March 27. The stones they report as being as large as pigeon's eggs.

Fancy and Dagger FERNS $1.75 per 1000

Discount on large orders.

New Crop Galax, Bronze or Green, $1.25 per 1000: 10,000, $7.50. **Wild Smilax,** 50-lb case, $6.00.
Sphagnum Moss, large bales..... .....$1.25
Leucothoe Sprays.....$1.00 per 100; 1000, 7 50
Boxwood.....35c per bunch; 50 lbs., 7.50

Florists in the Middle and Western States can save money by placing their fern orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,
WHOLESALE COMMISSION FLORISTS,
38-40 Broadway, All Phone Connections. **DETROIT, MICH.**

LUAREL BRANCHES

Long stems, 2x2x4-ft. case.....$2.50
Short stems for roping, large sack, 1.00
Green Sweet Moss, large thin pieces....$1 25 bbl.
Green or Dried Sphagnum, ... 1 00 bbl.
Can ship all year. Laurel blossoms in season.
W. Z. PURNELL, Snow Hill, Md.

H. J. Smith
HARDY CUT FERN DEALER,
Write for prices for what you want.
HINSDALE, MASS.

George Cotsonas & Co.
Wholesale and Retail Dealers in all kinds of Evergreens.
Fancy and Dagger Ferns. Bronze and Green Galax.
Phone 1202 Mad. Sq.
Main Store. 50 W. 28th St. NEW YORK.

E. A. BEAVEN
Southern Wild Smilax,
Log Mosses,
Natural and Perpetuated—at Wholesale,
EVERGREEN, ALABAMA.

John P. Scherer
UNION HILL, NEW JERSEY.
New York Branch: 469 Sixth Ave., bet. 28th and 29th Sts., New York. Telephone 6237 Mad. Sq.
SMILAX, FERNS, PALM LEAVES
and all kinds of **GREEN GOODS.**

THE KERVAN COMPANY,
113 West 28th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe, Ferns, Mosses and all Decorative Evergreens.

Breeding Cyclamens and Primulas in Eng.

Calling at the St. Georges Nursery Co., Harlington, Middlesex, about the middle of March, we found the staff busy fertilizing and hybridizing for the new crop of seed, and the sight was a very interesting one. The thoroughness with which all the work is carried out, nothing being left to chance, and all crosses carefully recorded, is characteristic of this firm. Its experience of over 40 years in the culture of plants for market and plants for seed raising, two quite distinct branches, stands it in good stead when fertilizing for selfs, for reproduction of the same forms, or for hybrids. About 20,000 plants are grown annually, the seedlings, now in a house, 12x200 feet, looking as regular as if they had been pricked out.

Batches of each variety in two-year-old plants are very carefully selected, this careful weeding out of all poor forms, doubtless having much to do with the excellent strains of seed produced. All that do not come up to the high standard set are weeded out from the seed bearing plants and sold in the open market for decorative purposes. Size, distinctive clear coloring, freedom of flower, stiff stems and handsomely marked foliage are among the qualities that must be possessed by any plant that is used for seed sowing. In fertilizing for keeping a strain true no pollen is

Big Crop of Prize Winning

AM. BEAUTIES

Awarded Crane & Co.'s Silver Cup (Value $100) at American Rose Society's Great Exhibition in Chicago Last Week.

Prize Winning BRIDES and MAIDS.

We secured **First Prizes** on Brides and Maids **in every class** in which we were **eligible** to compete.

Richmond and Killarney equally well grown.
All especially fine and cheap.

FANCY CARNATIONS IN LARGE LOTS

$2.00 TO $3.00 PER HUNDRED.

PLENTY OF GREENS AND LILIES.
WRITE FOR EASTER PRICES.

Bassett & Washburn

GREENHOUSES, HINSDALE, ILL.

Store, 76 Wabash Ave., CHICAGO

HENRY M. ROBINSON & CO.

Wholesale Commission Florists,

Telephones: 2617-2618 Main

15 Province Street, 9 Chapman Place, BOSTON, MASS.

Easter Lilies, $12.50 per 100. **Superb Lily of the Valley,** $4.00 per 100.
American Beauties, Richmonds, Killarneys, Brides and **Bridesmaids, Violets, Carnations, Daffodils, Tulips, Narcissus, Hyacinths, Seet Peas,** and all seasonable flowers.
For Easter Decorations. **Southern Wild Smilax, Laurel Festooning, Leucothoe sprays, Hardy Cut Dagger** and **Fancy Ferns, Bronze** and **Green Galax.**

All Orders Receive Prompt and Personal Attention.....

taken from the plant fertilized, always from another of the same variety, self-fertilization being known as a weakening process. Quite as much care in selection is taken with the plants for mixed seed, but here the best forms are simply placed as close together as possible to be handy for crossing and the various colors used discriminately. From this class of seed fine breaks of a totally distinct character are often obtained. Doubtless very cheap seed meets with the approval of some trade growers, notably the inexperienced, but those who are older at the game know the value of these carefully selected strains, even if the price is a little higher.

Among the cyclamens noted were an immense giant type of Salmon Queen, called Ourown, the result of several years' careful reselection. This is well known in Covent Garden. Seed so far is very limited and will, no doubt, be dear for a season or two. Picturatum is light rose with a claret colored base. Grandiflora Alba is the largest of the pure white varieties and very free flowering. Mont Blanc is also an immense flower, pure white with large eye. Excelsior is rightly named, white with purple base, a grand grower. Sunray is pink with claret base. Prince of Wales is bright red, extra large. Duke of Connaught is the best of the purple class. Princess of Wales is the best of the dark pinks. Rosy Morn is a delicate rose with a scarlet base. Brilliant and Crimson King are very rich, extra dark crimson. Most of these fine giganteum varieties have received certificates of the Royal Horticultural or Royal Botanic Societies. All are in the best of health and thrive under the simplest conditions of culture.

Of the varieties of Primula Sinensis, Crimson King, Giant White, Salmon Pink and Royal Purple are the best and the names are amply descriptive. A very rigid selection has been carried out here, and only the very finest retained. There is a marvelous wealth of color and the plants are models of perfection. It should be noted that only the lower whorls of flowers are fertilized, each plant and flower being separately treated and restored, so that there is no possible chance of mixing. The eight houses of cyclamens, each 12x200 feet, and the primula houses are most interesting and beautiful and one felt well repaid for the journey to visit them.

S.

Chicago.

TRADE CONTINUES JUST FAIR.

Trade opened up fairly active Monday morning, with a good number of shipping orders. City trade continues very slow. Prices are so low that in the country where flowers cannot be had at an hour's notice, there is a strong inducement for florists to carry stock in good quantities. The approach of Easter is also an inducement for the small growers to hold their stock for the higher prices sure to prevail a little later. The volume of stock on the market is larger than a year ago at this time, but the prices realized are so much lower that the total money received is much less. This causes the wholesalers to complain of hard times, a condition probably more due to the great quantity of stock than to any materially smaller demand than usual. The supply of American Beauty roses is large, but the demand seems to be about equal to it. Prices continue at rock bottom in spite of the excellent grade of the stock. Bride, Bridesmaid and Killarney roses are still off crop, but the new wood is rapidly forming buds and there are indications of a good crop at Easter. The cool weather has held the carnation crop on, with the result that there will probably be a larger supply for Easter than was anticipated a while back. There has developed a little more active call for Lawson carnations. In regard to lilies, the indications now are that the supply will be fully up to all requirements. Easter being so late this year that all growers have been able to bring along their plants without trouble. Tulips, daffodils and lily of the valley continue in very heavy supply. Narcissus poeticus has come into the market this past week. Green stock is in good supply and moving well.

CORRECTION.

In our list of awards last week we were incorrectly informed concerning the prize winner of Crane & Co.'s silver cup, offered for the best 100 American Beauty roses. Reference to the official list of awards, published elsewhere in this issue, will show Bassett & Washburn won the cup instead of Poehlmann Bros. Co., as we reported last week.

NOTES.

Frank Oechslin's flowering Easter stock in pots and tubs includes lilac, double flowering thorn (so-called crab apple), Chionanthus Virginicus and acacias, all in the finest possible shape. A house of spireas is already a fine sight, though not the mass of white bloom expected in another week. Hydrangeas, azaleas and rhododendrons are in the same thriving condition. Of the azaleas there are about 2,000 plants in various stages of progress, about 4,000 in all having been forced this season. Three large houses of Easter lilies promise a mass of blooms, averaging fully half a dozen to the plant. Of bulbous flowers there is a very large stock, all excellently grown. In the one of the houses now may be seen fully half a million seedling ferns for fern dishes in flats, once transplanted, and about 200,000 more in 2-inch and 3-inch pots.

Trade visitors to the rose show divided their attention pretty evenly among the growers who have built up the largest greenhouse establishments in the world. Representatives of both Peter and George Reinberg, the Poehlmann Bros. Co., Bassett & Washburn, Wietor Bros. and J. A. Budlong were busy showing growers, especially from the east, through these plants, and admiration was expressed that such a high grade of stock should be grown on such a large scale.

The A. Dietsch Co. is rather busy, having several large rush orders on hand, among which are 10 patent short roof houses, 500 feet long, for the Grand Rapids Greenhouse Co., using cedar exclusively, and the Dietsch patent "U" gutter, which latter meets with much approval with greenhouse men. This firm is also at work on the additional block of houses for Kidwell & Ellsworth, near Downers Grove, as well as a number of other establishments.

The annual sale of flowers for the benefit of the Home for Crippled Children will be held in the Japanese tea room, Auditorium Annex, April 18, from 11 o'clock a. m., to 9:30 p. m. Plants, cut flowers, fruits and vegetables are being solicited by the committee in charge. Children who have raised plants or cared for them a month will be permitted to compete for ribbon prizes.

Chas. W. McKellar's store has a different appearance since the installation last week of a new cooler, 6x18 feet. The orchid section has a double plate glass front for showing his large assortment of cattleyas, dendrobiums, etc.

The new red seedling carnation, Orland P. Bassett, was much admired by rose show delegates who visited Hinsdale. The vase on exhibition at the Art Institute lasted through the three days of the show in first class shape, looking well as late as Saturday morning.

The Poehlmann Bros. Co. is installing electric power to be used to run the soil mixers at that firm's Morton Grove establishment. Gasoline has heretofore been used, but August Poehlmann says there will be no more of it allowed around the place.

We regret to report the death of R. F. Gloede's father, Wm. H. Gloede, on March 29. The funeral was held Wednesday at 1 o'clock at R. F. Gloede's residence, 2012 Grey avenue, Evanston. He was a member of Chicago German Veterans.

E. E. Pieser, of the Kennicott Bros. Co., says he is the only "bull" in the fern market, having recently bought a large number of ferns to hold in storage against the shortage he believes will develop within a few weeks.

Frank Beu cut his first Kaiserin roses last Thursday. As there were no entries in this class at the rose show he would have secured a prize without competition if he had exhibited them.

C. N. Thomas, of the A. L. Randall Co., last Saturday returned to his big farm near West Springfield, Pa. This firm reports a good business in the line of Easter supplies.

Jensen & Dekema exhibited at the rose show a vase of W. N. Rudd's new carnation, Defiance, the excellent qualities of which were commented on by various growers.

Wietor Bros. have as fine a lot of Bride and Bridesmaid roses coming on as they have ever had. They will be in good time for all Easter calls.

The daily papers on Monday chronicled the first signs of spring in the appearance of hepatica blooms in the woods near Downers Grove.

A good demand for birch bark and rustic ware is reported at E. H. Hunt's. A novelty shown here is a basket made of pussy willow.

J. P. Foley, of the Foley Mfg. Co., has the sympathy of the trade in the loss of his three-year-old daughter, who died Thursday night.

The Florists' Club meeting Thursday night, April 2, at 8 o'clock, at the Union restaurant.

The J. B. Deamud Co. is now receiving some fine outdoor grown Narcissus poeticus.

C. M. Dickenson, of E. H. Hunt's, has been on the sick list for several days.

WEILAND & RISCH
Wholesale Growers and Shippers of
CUT FLOWERS
59 Wabash Ave., CHICAGO.
'Phone Central 879.
Write for our wholesale price list.
WHOLESALE FLORISTS

Kennicott Brothers Company,
WHOLESALE
CUT FLOWERS.
48-50 Wabash Ave.,
CHICAGO.

Klehm's Novelty Tulips
50 in the box, $2.00 per box.

We will have anything in the line of
Cut Flowers and Greens
that you may want it anybody has at Chicago market prices on day of shipment.

KENNICOTT BROS. CO.
L. D. PHONE, CENTRAL 466.
48-50 Wabash Ave., CHICAGO.

"THE BUSIEST HOUSE IN CHICAGO."

J. B. DEAMUD CO.

We can supply your wants with good choice stock of all kinds.

Our **Fancy Ferns, Wild Smilax, Lilies, Carnations, Roses** and **Bulb Stock** are the best.

Long Distance Phone Central 3155.

51 Wabash Ave., Chicago.

THE FINEST

VALLEY

FOR EASTER.

$3.00 per 100; $25 00 per 1000; extra select, $4.00 per 100.
We will have an unusually fine cut on.

WESTERN HEADQUARTERS FOR

Finest Cold Storage

VALLEY PIPS

$12.00 per 1000; $1.50 per 100; select stock, $14.00 per 1000; $1.75 per 100.

EVERY CASE GUARANTEED.

H. N. BRUNS,

1407-1411 W. Madison St., CHICAGO.
Long Distance Phone, Kedzie 1196.

Roses, Violets, Carnations and other **CUT FLOWERS** of best quality

E. H. HUNT

SEND FOR PRICE LIST.

76 Wabash Avenue, CHICAGO.

Florists' Supplies AND Novelties.

Chas. W. McKellar

51 Wabash Ave.
CHICAGO.

ORCHIDS
A Specialty

Fancy Stock in **VIOLETS VALLEY, ROSES, BEAUTIES, CARNATIONS** and a full line of all **Cut-Flowers, Greens, Wire-Work** and **FLORISTS' SUPPLIES.**

Send for Complete Catalogue.

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO. April. 1.

Rose, Beauty, extra fancy		4 00
" " 24 to 30-in. stems.		3 00
" " 12 to 20-in. stems.	1 25@	2 00
" " Short stems	75@	1 00
" Killarney	6 00@	12 00
" Bride, Maid, Ivory Gate	4 00@	8 00
" Liberty, Richmond	6 00@	10 00
" Chatenay, Perle	4 00@	8 00
Carnations	1 00@	2 50
Violets	25@	50
Lilium Harrisii, per doz.,	1 00@	1 50
Callas, per doz.,	1 00@	1 50
Lily of the valley	2 00@	4 00
Smilax, per doz.		2 00
Asp. Plu. & Sprengeri, bunch		50
Asparagus strings, each		50
Adiantum, per 100	75@	1 00
Leucothoe sprays		50
Ferns, per 1000		2 00
Galax, green, per 1000		1 00
bronze, per 1000		1 50
Boxwood, per bunch		35

E. C. AMLING

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 Randolph Street, CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Mention the American Florist when writing

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO

Telephone, Central 3284.

Mention the American Florist when writing

Vaughan & Sperry,

Wholesale Florists,

58 and 60 Wabash Ave., CHICAGO.
WRITE FOR SPECIAL PRICES.

DAILY SHIPMENTS OF

Cut Flowers

From 40 to 60 Growers.

"Greens" Our Specialty.

E. F. Winterson Co.,

45-47-49 Wabash Avenue. CHICAGO.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of **CUT FLOWERS**

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

WE ARE ON WITH A BIG CROP OF

BRIDES AND MAIDS.

OUR PRICE LIST.

	Per doz.
American Beauties,	
Extra long stems,	$4.00
36-inch stems	3.00
30-inch stems	2.50
20 to 24-inch stems	2.00
18-inch stems	1.50
15-inch stems	1.25
12-inch stems	1.00
Short stems	50 to .75

	Per 100.
Mrs. Marshall Field	$6.00 to $10.00
Killarney	6.00 to 8.00
Richmond. select	6.00 to 8.00
" No. 2	4.00 to 5.00
Golden Gate	4.00 to 8.00
Perle	4.00 to 8 00
Bride	4.00 to 8.00
Bridesmaid	4.00 to 8 00

	Per 100
Sunrise	$4.00 to $ 8.00
Chatenay	4.00 to 8.00
Uncle John	4.00 to 8.00
Ivory	4.00 to 8.00
Carnations	1.50 to 2.50
Lily of the Valley	3.00 to 4.00
Asparagus Plu. b'ch	.50 to .75

ROSES, Our selection, short to medium stems, fresh stock, **$4 00 per 100.** **No charge for packing and delivery.**

CARNATIONS. Well Rooted Cuttings. Ready for Shipment.

PINK.	Per 100	1000
Lawson	$1.50	$12.50
Enchantress	2.00	15.00

WHITE.	Per 100	1000
White Lawson	$2.00	$15.00
RED.		
Robt. Craig	$2 50	$20.00

American Beauty, bench plants, now ready **$10** per 100; **$75** per 1000. Perle 2.00 17.50

PETER REINBERG, 51 Wabash Ave., Chicago.

Chicago Notes.

Onions and roses, the humble cabbage and the tulip, figured with equal prominence in stereopticon views shown before the sociology department of the Englewood Woman's Club March 23, in the Englewood Masonic Temple at a lecture by Miss Bertha Chapman of the Chicago Bureau of Charities on "The Educational Value of School Gardens."

Chas. Herr, well known on the local market years ago as "Chippy" Herr, a "picker up" for one of the express companies, was a visitor Tuesday. He is on his way eastward from California.

The committee of the club in charge of the rose show reported a deficit of about $350.

Visitors: Carl Hirsch, Hillsdale, Mich.; Geo. S. Holmes, Cedar Rapids, Ia.; Axel Aggerholm, Onarga; H. A. Alspach, Sacramento, Calif.

Milwaukee.

BUSINESS IMPROVING.

There was quite an improvement in trade during the past week and at present writing it looks as if stock will come in less quantity. The dark weather of the past week will no doubt check everything so that we can expect prices to hold up, for the time being at least. Violets are selling somewhat better as is also all the bulbous stock. All the stores are making good showings of plants and are preparing for a big plant trade at Easter.

NOTES.

C. B. Whitnall, for a number of years in the flower business and now treasurer of the Citizens Trust Co., has been nominated for city treasurer on the social democratic ticket.

John H. Heitman has been obliged to go to the hospital and undergo an operation, but is reported to be much improved now.

Holton & Hunkel Co.'s stock of Baby Rambler roses is large and of fine quality this year.

Nic Zweifel is cutting some fine carnations, especially good Beacons being noted.

John Howard is sending large shipments of sweet peas every day.

H.

Buffalo.

STOCK OVER-PLENTIFUL.

The supply of all kinds of stock shows no indication of dropping off. Weather such as we have had the past week, inclining to the warm side and a fair amount of sun, will have a tendency to hurry stock along that should be kept back for at least another week, and from the amount of trade in the different stores it will not be needed. The retailer without a greenhouse can have his innings now, as the market here and farther east is over-stocked, or such flattering inducements would not be made to the retailer to run a special sale on some different flower each day.

NOTES.

Again a Buffalo boy is to the front. This time it is Michael Bloy, who has purchased the greenhouses and stock of Geo. Rackham, Detroit, Mich. Mr. Bloy's first knowledge of the business was gained at the greenhouses of Wm. Scott, where he was for several years, and every move he has made has been to a larger field, and now that he has started for himself his friends in this city wish him all success.

The executive committee of the Florists' Club had a business meeting on Thursday evening, when several things of importance were taken up and after revision will be submitted to the club for their approval. When President Sandiford appoints his committees for the year, which will be at the next meeting, there is every indication all will strive to make his administration a success.

The executive committee of the S. A. F. have come and gone and were seen but once in the city, but from the report of Vice-President McClure and ex-President Kasting a great amount of business was transacted and then away to Chicago.

There has been quite a good many store openings the past two weeks and nearly all of the florists had palms and flowering plants, mostly palms, rented for a week at a time, which is lots of labor and not very much profit.

There are no indications so far of any amount of building in this vicinity this year. What has been built will have to earn a little more before some can rebuild and nearly all of the houses around here are in good shape.

There are no street fakirs in the flower line; had there been during the past three weeks when flowers have been so plentiful there is no telling what the prices would have been; as it was they were low enough.

Wm. F. Kasting went to Chicago.

Visitors: P. Welch, Boston, Mass.; Peter Crowe, Utica.

BISON.

INDIANAPOLIS, IND.—Six greenhouses belonging to Christ Schlensker & Sons were damaged by hail March 18. It is estimated that the damage will amount to $3,000. Hotbeds owned by the city in Garfield park were also damaged to the extent of $2,500. The glass covering ten beds was shattered and the plants were practically ruined. Other losses were: Henry Rieman, $500; Fred, William and John Meyer, $3,000; Herman Stiecker, $3,000; Henry Brehob, $2,000, and H. D. Schilling, $400.

If you want some really FANCY CARNATIONS and VIOLETS

TRY Holton & Hunkel Co., MILWAUKEE, WIS.

OF COURSE WE ALSO HAVE

Heavy Supplies of All Other Seasonable Flowers.

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations and all kinds of Seasonable Flowers in stock.

WM. F. KASTING CO. Wholesale Commission Florists.

BUFFALO, N. Y.

Florists' Supplies and Wire Designs.

Nashville, Tenn.

FUNERAL WORK PLENTIFUL.

The floral displays in the windows of the up-town florists in this city have been things of beauty for several weeks past, filled with azaleas, carnations and all kinds of bulbous spring stock. The azaleas are done now, as are also the violets. The latter have been unprecedented in production, the season having been very favorable to their growth. Outdoor violets are now in flower, and lovers of this dainty blossom can still be supplied, though not quite as fine blooms. Carnations have been had, and still are coming in the greatest abundance. The beautiful Enchantress, Lady Bountiful, White Perfection and Beacon are some of the best varieties grown. Roses have done well. Nice cuts of American Beauty, Bride and Bridesmaid, Killarney—which is doing better than ever—Golden Gate and others are coming in to supply all demands. The social demand for flowers has not been very great, but the funeral work has more than counter-balanced the deficit and created a trade for the larger part of the flowers grown here. Florists seem well satisfied with the season's trade and are well prepared to furnish an abundance of flowers for Easter.

NOTES.

Geny Bros. have an enormous stock of lilies which will be ready for Easter. They have extensive ranges of greenhouses and are preparing to erect additional houses in the coming summer. They have a fine range of houses out of the city which they have utilized this season for growing lettuce, for which there is a fine demand. They have now on hand 15,000 plants for which there is a daily demand. These houses and the new ones to be erected will be equipped for flowers for next season.

The Joy Floral Co. expect to build two fine new houses similar to, and adjacent to a range they already have in which roses are grown. These two new houses will each be 30x400 feet and will be used for roses.

M. C. D.

Wholesale Flower Markets

BUFFALO, April. 1.

Roses, American Beauty	3 00@30 00
" Bride, Bridesmaid, Meteor	4 00@10 00
Carnations	1 00@ 3 00
Lily of the valley	2 00@ 4 00
Smilax	15 00
Adiantum	50@ 1 50
Lilies	4 00@15 00
Galax, per 1000	$1 50
Ferns, per 1000	2 00
Violets	40@ 75
Mignonette	2 00@ 5 00
Narcissus	2 00@ 3 00
Sweet peas	40@ 1 00
Hyacinths	2 00@ 3 00
Tulips	2 00@ 3 00
Daffodils	2 00@ 3 00
Asparagus Sprengeri, per bunch	25 50
Asparagus plumosus, per bunch	25@ 50
Freesias	2 00@ 00

MILWAUKEE, April. 1.

Roses, Beauty	75@ 5 00
" Liberty, Chatenay	3 00@10 00
" Bride, Bridesmaid	3 00@10 00
" Meteor, Golden Gate	3 00@10 00
" Perle	4 00@ 6 00
Carnations	1 00@ 3 00
Smilax	$1 50 per doz.
Asparagus, sprays	3 00
" Sprengeri	2 00@ 3 00
Lily of the valley	2 00@ 3 00
Adiantum	1 50
Violets	50@ 75
Common ferns	$2 00 per 1000
Harrisii lilies	$2 00 per doz.
Paper White narcissus	2 00@ 3 00
Roman hyacinths	2 00@ 3 00
Tulips	2 00@ 3 00
Daffodils	2 00@ 3 00
Sweet peas	50@ 1 00

ST. LOUIS, April. 1.

Roses, Beauty, long stems	2 00@ 2 50
" " medium stems	1 50@ 2 00
" " short stems	50@ 1 00
" Bride	2 00@ 8 00
" Bridesmaid	2 00@ 8 00
" Chatenay, Richmond	2 00@ 8 00
" Killarney	2 00@ 6 00
Carnations, common	1 00@ 1 50
" best	1 50@ 2 00
Smilax	12 50
Asparagus Sprengeri	1 00@ 2 00
" plumosus, strings	25 00@40 00
" cut sprays	1 00@ 2 00
Ferns, fancy, per 1000	$2 50
Lily of the valley	3 00
Violets, California	15@ 20
Narcissus	2 00@ 3 00
Callas	6 00@10 00
Sweet peas	35@ 75
Roman hyacinths	1 50@ 2 00

CINCINNATI, April. 1.

Roses, Beauty	$1 00@$ 4 00
" Bride, Bridesmaid	3 00@ 6 00
" Richmond	3 00@ 6 00
" Golden Gate	3 00@ 6 00
" Ivory	3 00@ 6 00
Carnations	1 00@ 3 00
Lily of the valley	2 00@ 3 00
Violets	50@ 3 00
Daisies	50
Callas	10 00@12 50
Harrisii	15 00
Dutch hyacinths	3 00@ 4 00
Narcissus	3 00
Smilax	12 50@15 00
Daffodils	2 00@ 3 00
Tulips	2 00@ 4 00
Asparagus plumosus and Sprengeri in bunches, per bunch	25c
Eastern Ferns, per 1000	$2 00
Galax, Green and Bronze	$1 00
Snapdragon, 75 per doz	

THE
J. M. McCullough's Sons Co.
Wholesale Commission Florists.
CONSIGNMENTS SOLICITED.
Special attention given to Shipping Orders.
Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.
Price List on Application.
316 Walnut St., CINCINNATI, OHIO.
Phone Main 584.

Weiland & Olinger,
128 E. Third St., CINCINNATI, OHIO.
Wholesale Growers and Shippers of Cut Flowers.
Greenhouses, NEW CASTLE, IND.

WM. C. SMITH & CO
WHOLESALE FLORISTS.
Bell, Main 2018. Kinloch, Cent. 410.
1316 PINE St., ST. LOUIS, MO.

H. G. BERNING,
Wholesale Florist
1402 Pine St., ST. LOUIS, MO.

C. A. KUEHN,
Wholesale Florist,
1122 Pine St., ST. LOUIS, MO.
A Complete Line of Wire Designs.

RICE BROTHERS
Wholesale Florists and Supplies,
115 N. 6th St., MINNEAPOLIS, MINN.
CUT FLOWERS received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities.

COLUMBUS, O.—A valuation of $250,000 was put upon the estate of the late Joseph M. Gasser recently, by Attorney J. A. Mathews, who filed an application in probate court to be appointed administrator of the estate.

Longiflorum Giganteum

FOR EASTER, $15.00 per 100. $125.00 per 1000.

For several years we have had the reputation of having the finest lilies for Easter, but this year's crop of all Giganteums will be the finest we ever handled. Packed at the greenhouse and shipped in original packages, we can assure you the finest stock you ever had. Write us now.

Violets We handle only the finest quality and in larger quantities than any house in Chicago

Roses Extra selected stock. Best in Chicago. Long and fancy, $2.00 to $8.00 per 100.

Ferns $2.00 per 1000. We can furnish good ferns right up to the time new ferns come in.

Bulb Stock All kinds at lowest rates Fancy Valley, $3.00 per 100.

JUST ARRIVED. Three large shipments of Fancy baskets. Send for assortment that will please you. We carry in stock everything manufactured for florists in Birch Bark and Rustic Ware.

A. L. Randall Co.,

Wholesale Florists L. D. Phone Canal 1496 Private Exchange all Departments. **19-21 Randolph St., Chicago**

New York.

STOCK OVER PLENTIFUL.

During the past week, the "gentle spring" of the poets, developed sunshine that was anything but gentle in its touch on men and plants, under glass. As a consequence we have a great volume of stock of all kinds pouring into the market and the end is not yet. There can be no doubt that from now until Easter it will continue to come freely. In addition to the great stock of roses and carnations, there is a bountiful supply of all spring flowers. The southern narcissi are now coming in large quantities though there does not seem to be any great call for them. Callas are on the market in large quantities. By present conditions the best stocks are being popularized with the great middle class, which is the mainstay of all business. Previously, orchids, American Beauty roses and gardenias were not within the reach of their pocketbooks and they, as a rule, then knew of them only by name. Even if we never return to the high prices of the past we will, at no distant date, have many more buyers. It would be a relief to see cool weather from now on to Easter, especially on account of the violets, which are already beginning to show the effects of the heat.

March 30.—A great volume of roses and carnations is pouring into the wholesale district and the market is merely a scramble to unload.

FLORISTS' CLUB.

Arrangements have been made for the following exhibits at the next meeting at the old club rooms in the Grand Opera House building, Eighth avenue and Twenty-third street, April 13: Roses: Newport Fairy, from Julius Roehrs Co., Rutherford, N. J.; Rhea Reid, from the E. G. Hill Co., Richmond, Ind.; Wyndmoor, from Myers & Samtman, Philadelphia, Pa.; My Maryland, from John Cook, Baltimore, Md.; Mrs. Potter Palmer, from Poehlmann Bros. Co., Chicago; Mrs. Jardine, from W. P. Craig, Philadelphia, Pa. Carnation Lloyd, from A. Jahn, New Bedford, Mass. The credit for this prospectively fine exhibit belongs to Secretary Young, and he should be encouraged by a rousing attendance.

NOTES.

The best of the retail flower trade of this city, following in the wake of patrons of the great hotels and theaters, keeps moving up town. Nearly all of the best stores are now above Madison square and many are above Forty-second street. To illustrate how this is happening, it is but necessary to state that the historic Fifth Avenue hotel, facing Madison square, will close April 4. By May 1 the work of tearing it down will be well under way.

While it is tacitly agreed that Twenty-eighth street is what "Little Tim" Sullivan calls "the big noise" of the wholesale district, the Coogan building, Twenty-sixth and Sixth avenue, is entitled to a share of credit for the business done there. Both the New York Cut Flower Exchange and the New York Cut Flower Co. do a heavy business and it is not unusual to find buyers in these marts from towns and cities extending over a radius of 100 miles from the metropolis.

On the morning of March 28 C. C. Trepel, the well known Brooklyn retailer, was observed leaving Twenty-eighth street with a two-horse wagon of the moving van pattern, loaded with cut flowers. These, coupled with all that John Weis, A. Hanig and other Brooklyn retailers clean up, should help some.

The Johnston Heating Co. has secured the contract for an extensive remodeling of the heating plant at the range of John N. May, Summit, N. J. Two new tubular return boilers will be installed. This firm is also making extensive alterations in the heating plant at A. J. Guttman's range at Summit.

It is stated that the committee charged with the organization of an Orchid Society, has received overtures for a union with the Horticultural Society of New York. This is a matter which is likely to be settled, more by fanciers than by commercial growers.

Pres. Traendly and John Young have returned from their Chicago trip and were well pleased with the rose show and the western metropolis. During the big chief's absence. Chas. Schenck was so busy that he almost forgot that he had a partner.

Samuel A. Woodrow, the Thirtieth street plantsman, has just returned from an extensive trip. While absent he arranged for a great supply of Easter lilies and other plants, consignments of which now arrive daily at his store.

Alfred H. Langjahr, of 55 W. 28th street, is now handling a heavy cut of Ulrich Brunner roses. The stock well sustains the fine reputation which this rose has already established.

Over at John Young's, under the watchful eyes of George Hildebrand and Miss Behan, the big stocks of American Beauty roses and Cottage Gardens carnations were kept moving.

Peter Brown, of 50 West Twenty-eighth street, is generally recognized as the king of the curb brokers in flowers. He now handles American Beauty roses.

A. M. Henshaw, who always handles the best roses and carnations, continues to excel in these as well as many other stocks.

Hartford, Conn.

This is a busy time of the year at the greenhouses and nursery at Elizabeth park, where thousands of plants for transplanting are being grown, and there is also much going on at the office of Park Superintendent Parker, for while little actual work will be done in the parks before April 1, designs for all the plantings are being made and some interesting additions are being planned. The nursery at Elizabeth park has been enlarged by 100 frames. Most of the 20,000 plants which the additional space makes it possible to grow will be used about the park entrances, especially in Bushnell and Riverside, these being the two parks visited by the greatest number of people.

Along Asylum street, in Bushnell park, there will be a series of beds, taking the space once occupied by shrubbery. It is believed that brilliant planting will here be very effective and give a particularly good impression of the city, not only to the travelers going and coming by Union station, but also to those who simply look from the car windows. The additional pleasure to passersby on the street will be obvious.

Superintendent Parker said recently that the new planting would be so arranged as not to impair the lawns which are a feature of the city parks, but the flowers will be used in border planting to lend a little additional color. Last year about 95,000 plants were set out in the various parks and the total number this year will be between 115,000 and 120,000. The grading about the Rocky Ridge park will not be far enough advanced for any flowers to be planted there this season. The tulips about the Corning fountain have been uncovered and the shoots are about an inch above the ground. Every fall Dutch bulbs are placed in this bed and the following years they are placed in less conspicuous places, until they finally revert so completely that they can no longer be used.

EAU CLAIRE, WIS.—A. T. T. Lauritzen reports an increase in the population. A son, now three months old. His place is in good shape. O. L. Demmler says trade is good. His stock of bedding plants is complete.

Traendly & Schenck,
WHOLESALE FLORISTS,
44 West 28th Street, Phones, 798 and 799. New York City.

Alexander J. Guttman,
THE WHOLESALE FLORIST OF NEW YORK
43 WEST 28th STREET
PHONES, 1664-1665 MADISON SQUARE
ENOUGH SAID

J. K. ALLEN, Wholesale Commission Florist.
Consignments Solicited.
Open every day at 6:00 a. m. Telephone, 167 Madison Square.
106 W. 28th Street, NEW YORK CITY.

A. L. YOUNG & CO.
WHOLESALE FLORISTS.
54 West 28th Street, NEW YORK.
Consignments of Choice Cut Flowers Solicited. Prompt Payments. Give us a Trial. Telephone 3559 Madison Square.

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JOHN I. RAYNOR
Are the best product of the best growers for the New York Market.
Adiantum Croweanum sold here exclusively.
49 W. 28th St., NEW YORK.
Tel. 1998 Madison Square.

ALFRED H LANGJAHR
WHOLESALE FLORIST
55 W. 28th Street, NEW YORK.
All flowers in season. Consignments of first-class stock solicited.
Telephones, 4626 and 4627 Madison Sq.

FORD BROS.
Receivers and Shippers of
Fresh Flowers
48 West 28th St. NEW YORK.
Telephone 3870-3871 Madison Sq.

Providence.

BUSINESS QUIET.

With the exception of a busy 10 days, about the middle of the month, the present season has been to the quiet side, although there is very little reason to complain, considering the condition of the industrials. Carnations and roses have been over abundant for six weeks past with prices of $2 per 100 on the best carnations, and $2 to $10 for best roses. The bulbous stock is excellent and fortunately no glut has yet appeared, with good prospects for Easter. Lilies are in a very promising condition, except that the plants will be hardly as tall as desired. Some pretty window displays are now seen, massing of azaleas being the most popular. One or two retailers have been making a specialty of violets at 15 cents per bunch for Saturdays, but the balance of the trade manage to do very well at the regular rate of 25 cents per bunch for the very best quality, and are content to pass up the cheaper kind. This flower has been a great producer the present season and there have been efforts to unload at any price, although some have been able to maintain regular figures by making up finer and larger bunches than the usual run, thereby adding to their prestige as dealers in good stock. One of our large banks will resume business in another month, which will have a beneficent effect upon collections. M. M.

PHILADELPHIA, PA.—Robt. Pyle, president of the Conard & Jones Co., will read a paper before the Florists' Club of Philadelphia, April 7.

Charles Millang. August Millang.
MILLANG BROS.
Wholesale Commission Florists,
41 West 28th Street, Telephones 3860-3861 Madison. New York.

Wholesale Flower Markets

NEW YORK April, 1,

Roses, Beauty, special	15 00@20 00
" " fancy	10 00@12 00
" " extra	6 00@ 8 00
" " No. 1	4 00@ 5 00
" " Nos. 2 and 3	1 00@ 3 00
" Richmond	1 00@12 00
" Bride, Bridesmaid, G. Gate Special	4 00@ 6 00
No. 1	2 00@ 3 00
No. 2	1 00
Carnations, fancy	2 00
" common	50@ 1 00
Lilies	5 00@ 6 00
Lily of the valley	1 00@ 2 00
Asparagus plumosus strings	25 00@40 00
" per doz. bunches	2 00@ 3 00
Smilax	8 00@10 00
Catfleyas	35 00@50 00
Cypripediums	8 00@10 00
Violets	15@ 25
Gardenias	5 00@20 00
Callas.....per dozen	50@ 75
Roman hyacinths	50@ 75
Mignonette	1 00@ 3 00
Jonquils	1 00@ 1 50
Sweet peas.....per doz. Bunches	35@ 75
Tulips	1 00@ 1 50
Lilac.....40@50 per bunch	
Snapdragon	2 00@ 3 00

J. Seligman. Joseph J. Levy
John Seligman & Co.
WHOLESALE FLORISTS,
56 West 26th Street, NEW YORK.
Opposite N. Y. Cut Flower Co.
Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best Prices. Satisfaction guaranteed. Tel. 4878 Madison.

Young & Nugent,
Telephone, 2065-2066 Madison Sq.
42 West 28th St., New York
To out-of-town Florists: We are in the Heart of
And give Special attention to Steamer and Theater orders. Prompt deliveries and best stock in the market.

John Young
WHOLESALE FLORIST,
51 West 28th St., NEW YORK CITY
Long Distance Telephone, 4463-4 Madison Sq.

HORACE E. FROMENT
WHOLESALE COMMISSION.
American Beauty Roses a Specialty. Roses, Violets, Carnations, Valley, Lilies, Etc.
57 West 28th St., NEW YORK CITY
Telephones: 2200 and 2201 Madison Square.

Walter F. Sheridan
WHOLESALE FLORIST,
Telephones: 3532 and 3533 Madison Sq.
39 West 28th St., NEW YORK

Moore, Hentz & Nash,
Wholesale Commission Florists,
55 and 57 West 26th Street,
Telephone No. 756 Madison Square. New York.

N. Y. Cut Flower Exchange
Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable Wall Space to Rent for Advertising.
V. S. DORVAL, JR., Secretary.

Thomas Young, Jr.
FLORIST,
500 5th Ave., NEW YORK.
Telephone: 847 Bryant.

Tel. 1009 Madison Sq. Established 1872
PERKINS & NELSON
Wholesale Florists
57 West 26th Street, Cor. 6th Avenue. NEW YORK.

Samuel A. Woodrow
WHOLESALE
PLANTSMAN AND FLORIST
53 W. 30th St., NEW YORK.
Out of town orders a specialty.
Telephone 2083 Madison. Consignments solicited

Fancy Carnations

We have big cuts of the Finest Carnations seen on this market in years; our prices are down to $1.50 to $2.50 per 100, according to grade. LONG BEAUTIES also in good supply. ROSES, of A1 grade and in good crop. Note the following prices:

	Per doz.
American Beauties, extra long stems	$4 00
30-inch stems	3 00
24-inch stems	2 50
20-inch stems	2 00
18-inch stems	1 50
15-inch stems	1 00
12-inch stems	75
8-inch stems	50

	Per 100
Bride	$ 6 00 to $ 8 00
Bridesmaid, fancy	6 00 to 8 00
Killarney, fancy	8 00
" good	5 00 to 7 00
Kate Moulton, fancy	8 00
" " good	5 00 to 7 00
Richmond, fancy	8 00
" good	4 00 to 6 00

	Per 100
Chatenay, fancy	$8 00
" good	$5 00 to 6 00
Uncle John, fancy	6 00 to 8 00
Perle	4 00 to 8 00

ROSES, Our Selection, $4.00 per 100

	Per 100
CARNATIONS, fancy	$2 50
" good	1 50

All other stock at lowest market rates. No charge for packing. Prices subject to change without notice.

WIETOR BROS.,

Wholesale Growers of..... CUT FLOWERS 51 Wabash Ave., CHICAGO

ACACIA PUBESCENS $2.00 and $2.50 PER BUNCH.

THE CHOICEST NOVELTY ON THE MARKET.

THE LEO NIESSEN CO., Wholesale Florists, 1209 Arch St., Philadelphia, Pa.

Philadelphia.

STOCK PLENTIFUL.

Business the past week was moderate until Saturday which wound up with a rush, nearly all the stores having a good trade on that day. The funeral of Thos. B. Wanamaker, at which there were many elaborate pieces, took place on Saturday and cleaned up the stock of orchids and other choice flowers. Roses are still very plentiful, as in fact are all other flowers. Carnations which shortened up a bit last week are now in full supply again with very fine stock offered at $1.50 to $2. Sweet peas are very plentiful and being popular with the public sell as well as any of the smaller flowers; $4 to $5 per 1,000 is about the price for good stock. A few specials sell at a dollar or two higher. Lily of the valley is seen in large quantities at $1.50 to $3 per 100. The southern daffodils are now in full swing, great quantities reaching the market every day. The price in 5,000 lots is $2 per 1,000 for some varieties and less for others. The best Emperor bring $5 to $7.50 per 1,000. While the stores take a good many, about four-fifths are sold on the street which are lined with curbstone merchants handing them out at 10 cents a bunch. Easter lilies are getting plentiful, the advance guard of the Easter crop, and seem to be of good quality. Callas are almost a drug and sell at the buyer's price. The growers report many advance Easter orders and think from the interest shown by the buyers and the various reports they make that a good business is assured. The stock is coming along nicely but all hope for a little cooler weather, as with the thermometer in the eighties, it is hard to keep stock in good condition. Much of the bulbous stock it is feared will get ahead too far in spite of all that can be done if the present weather continues.

NOTES.

The rosarians have returned from their western trip and are highly pleased with their success in winning so many prizes against all comers. It shows that eastern growers have a little on their western friends as yet, although they had to put their very best stock forward to do it.

Adolph Farenwald says he feels much benefited by the trip and what he saw there. The exhibition was a grand one. All the new roses were exhibited, many of them showing up better than ever before. Wyndmoor, the new pink of Myers & Samtman, made a hit with everybody and is destined to be grown largely and prove a great acquisition to the list of forcing varieties. White Killarney is a revelation to many and he feels sure will be as popular as the pink when it becomes plentiful and will replace Bride as the leading white. Of the beautiful Killarney staged he could not say too much and the general stock offered by the Chicago growers in a commercial way, showed that they had mastered the culture of this rose much better than the growers about here. He said it is mostly stock that has been pinched once. He thinks this the solution of the way to get rid of the surplus, as, by pinching, a rose is produced that will bring double the price of the first bud if it had been allowed to mature. Mr. Farenwald says to pinch twice destroys six flowers, as if the first rose was cut there would be two breaks with two fair flowers, and if these were cut each stem would break and produce two flowers, making six in all. The perfected single stem flower would have the strength of all these six flowers in it, but it is a question whether it would bring as much as all the rest. He thinks one can carry the growth of large flowers too far, but that the first sacrifice is all right and would pay. It takes from 12 to 14 weeks to perfect a crop of roses and this much time is lost when the pinching is done. He spoke of the fine American Beauty of the Florex Gardens which arrived late, being 40 hours on the way, but which were given a special prize, their appearance even after this test being so fine.

Robert Craig in speaking of the lily business thought the Formosum type from the Formosa islands which is being tried in any quantity for the first time this season promises very well. The percentage of loss of any kind is very small; in some cases every bulb has grown and is a healthy plant with flowers showing. Some carry but few flowers but this is accounted for by the size of the bulbs which were mostly small. It is certain that the orders for this variety will be very large for next year and the stock, which is limited, will likely be oversold. K.

J. J. Harty & Company

Wholesale and Commission

.FLORISTS.

1312 G St., N. W., Washington, D. C.

Phone Connection Main 5011

Spring Show Pennsylvania Hort. Society

The feature of the exhibition which was held on Tuesday, Wednesday and Thursday of this week was the large number of entries in the flowering bulb section, there being a fine display of this class of plant. There was sharp competition for the H. Waterer prizes offered for the best hyacinths, tulips, narcissi and lily of the valley. The hyacinth classes were not quite up to the standard of last season as the warm weather the past two weeks has been too much for some of the stocks which were too far advanced to enter. In the hyacinths, La Grandesse, Kohinoor, British Queen, and Grand Maitre were among the favorites and there were some grand pans of these varieties. Tulips were also very fine, the following varieties leading: Queen of Netherlands, Pink Beauty, Lord Beaconsfield, Murillo, Grace Darling, White Joost Van Vondel, Toreador and Rose Luisante. Some very choice and well grown narcissi were staged, the popular varieties being Double von Sion, Golden Spur, Victoria, Emperor, Empress and Glory of Leiden. There was a number of entries of lilies of the longiflorum type, many of them showing very good culture. The varieties were chiefly multiflorum and giganteum.

There were a few entries of azaleas, some of which were very large and handsome, noticeably three specimens about six feet in diameter, entered by C. B. Newbold, and which were one of the features of the show. John W. Pepper, also staged three very fine plants. The entries of zonal geraniums were the best ever seen here. Some of the plants carried over 50 heads of bloom and caught the fancy of the visitors. First prizes for these were won by J. W. Paul, Jr., and second by C. B. Newbold. Primula obconica was well represented in two entries of 12 plants each and exceptionally fine they were. J. W. Pepper

CARNATIONS.

Very low prices on large lots.

BULB STOCK.

The finest in this line at right prices.

PITTSBURG FLORISTS' EXCHANGE, Pittsburg, Pa.

AMERICAN BEAUTIES

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

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GRAFTED AND OWN ROOT ROSES

KAISERIN, CARNOT, KILLARNEY, RICHMOND, LIBERTY, BRIDE and BRIDESMAID.

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CARNATIONS in quantity. Special prices on large orders.

ABSOLUTELY THE BEST POSSIBLE SERVICE.

W. E. McKissick

WHOLESALE FLORIST,

Business Hours 7 a.m. to 8 p.m. 1619-1621 Ranstead St., PHILADELPHIA, PA.

J. B. Murdoch & Co.

714 Penn Avenue,
PITTSBURG, PA.

All Seasonable Flowers.

JOHN W. McINTYRE,

1601 Ranstead St., PHILADELPHIA.

Southern Daffodils, Trailing Arbutus, Single Violets and Yellow Daisies in any quantity.

won first, and second went to C. B. Newbold. J. W. Pepper won first on callas, the plants carrying eight to ten flowers each; C. B. Newbold second. Standard flowering shrubs were a novelty, being well covered with bloom. C. B. Newbold won first and second. Lilacs in pots were also showy, C. B. Newbold won first and J. W. Paul, Jr., second. There were two entries of well flowered wallflowers, the best seen here. J. W. Paul, Jr., was first with these and J. W. Pepper second. Burbank's California hybrid amaryllis were very showy, several entries being staged of the cut blooms, J. W. Paul, Jr., was first with C. B. Newbold second. There were some choice specimen plants of Nephrolepis todeaoides, G. W. Drexel won first, C. B. Newbold, second.

Orchids were exhibited by the Julius Roehrs Co., Rutherford, N. J., and Lager & Hurrell, Summit, N. J. The collections were not large but very interesting, containing some choice and rare varieties. The Julius Roehrs Co., staged also some well flowered plants of their new rose Newport Fairy. In the foyer at the foot of the stairs the H. F. Michell Co., and the H. A. Dreer Co. made exhibits of seeds and other specialties. In the center of the hall was erected a pagoda or canopy studded with electric lights and decorated with smilax and daffodils. This very pretty feature was exhibited as a decorative effect by the Wm. Graham Co. The list of awards will be given next week.

K.

Tarrytown, N. Y.

A well attended meeting of the Horticultural Society was held at Good Templars hall, March 27, 1908. President Angus filled the chair and in the absence of Secretary Neubrand, Wm. Scott was appointed secretary pro tem. Two applications to active membership were received and the executive committee presented the name of Henry Siegel for honorary member. Letters were read from donors to our prize fund for the next fall exhibition and most of the prizes given last year will be duplicated; so the outlook is bright for our next November show; the committee in charge is busy preparing the schedules, and they will be sent to all concerned in due time.

The prize for cyclamens, presented by Wm. Scott, was awarded to James Stuart, gardener to Mrs. T. A. Constable, Mamaroneck, also a cultural certificate. Mr. Stuart brought eight plants in 6-7-inch pots, which were perfect in every way; a finer lot of cyclamens could not have been seen anywhere else, and they were greatly admired and commented on. The same exhibitor was also awarded a cultural certificate for a large plant of Denobrobium nobile in full bloom, and W. H. Waite, gardener at Greystone, Yonkers, was given honorable mention for a vase of schizanthus. M. Tibbits, White Plains, will be on hand at our next meeting and give us an illustrated lecture on "Aquatic Gardens." Mr. Tibbits is a very successful amateur with those plants and we anticipate a very pleasant evening. A prize is also offered by Wm. J. Smith, White Plains, for best two flowering plants.

L. A. M.

Wholesale Flower Markets

PHILADELPHIA, April. 1.

Roses, Tea	4 00@ 6 00
" extra	8 00@10 00
" Liberty	6 00@25 00
" Beauty, extra	20 00@25 00
" " first	10 00@15 00
Carnations	1 50@ 3 00
Lily of the valley	2 00@ 3 00
Asparagus, bunch	50 00
Smilax	15 00@20 00
Adiantum	1 00@ 1 50
Violets, single	50@ 75
" double	50@ 60
Cattleyas	50 00@60 00
Lilium Harrisii	10 00@12 00
Mignonette	2 00@ 3 00
Sweet peas	50@ 75
Gardenias	35@ 50

PITTSBURG, April. 1.

Roses, Beauty, specials	30 00@40 00
" " extras	20 00@25 00
" " No. 1	10 00@15 00
" " ordinary	4 00@ 8 00
" Bride, Bridesmaid	3 00@10 00
" Chatenay	3 00@10 00
" Richmond	4 00@10 00
" Perle	6 00@ 8 00
" Killarney	4 00@12 00
Carnations	2 00@ 3 00
Lily of the valley	3 00@ 4 00
Smilax	12 50@15 00
Asparagus, strings	50 00
" Sprengeri	3 00@ 4 00
Lilies	10 00@15 00
Adiantum	75@ 1 00
Violets	50@ 75
Cattleyas	75 00
Paper White Narcissus	2 00@ 3 00
Roman hyacinths	2 00@ 3 00
Sweet peas	50@ 1 00
Daffodils	1 00@ 3 00
Dutch hyacinths	4 00
Candytuft 25c per bunch	
Cornflowers	2 00
Stocks, 10 week	2 00

BOSTON, April. 1.

Roses, Beauty, best	25 00@35 00
" " medium	15 00@20 00
" " culls	6 00@12 00
" Bride, Bridesmaid	1 00@ 2 00
" Extra	4 00@ 8 00
" Liberty	8 00@12 00
Carnations	1 00@ 3 00
" Fancy	3 00@ 5 00
Smilax	8 00@12 00
Adiantum	75@ 1 25
Asparagus	35 00@ 0 00
Harrissi	10 00@12 00
Callas	8 00@12 00
Daffodils	1 00@ 4 00
Narcissus	2 00@ 3 00
Sweet peas	50@ 1 00

Pittsburg.

TRADE IMPROVING.

The market has been fluctuating considerably lately, but on the whole is somewhat more satisfactory than the previous two weeks. Roses are the slow articles, red piling up in big quantities in the commission houses; bulb stock is not nearly so plentiful. In fact, good daffodils have been scarce. Lilies are again in over-supply and there will probably be plenty of these for Easter. An oversupply of roses and carnations is not looked for at Easter, as several growers say they will be off crop about that time. There is quite a little speculation as to what kind of an Easter we will have, owing to the hard times, but the majority look for a record-breaker.

NOTES.

Gass, one of the south side growers and who ran a stand in the market, died March 26.

Mrs. Elicker, Homestead, has removed to 406 McClure avenue.

W. A. Clarke attended the rose show in Chicago last week.

Visitors: M. Shattles, New York, and Green, from Bayersdorfer & Co., Philadelphia.

J.

MERIDEN, CONN.—R. W. Barrow has moved from Union street to Goodwill avenue.

MT. STERLING, KY.—The Mt. Sterling Floral Co. has begun the erection of a new greenhouse 40x75 feet.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

Philadelphia, Pa.

Robert Kift,

1725 Chestnut Street.

Prompt and Careful Attention given to all Mail and Telegraph orders.

St. Louis.

MARKET DULL.

The market this week is dull, though not so crowded. Carnations have held up fairly well, prices ranging from $1 for splits to $3 for good and fancy. Roses are quoted from $1.50 to $5. Quite a few short American Beauties are in and are quoted at $2 and $3. The prospects are good for Easter supply of all varieties of plants. Violets are still coming in reduced quantities, small blooms, and in many instances short stems. Sweet peas will now take the place of violets for street wear. They are quoted from 20 cents to 60 cents per 100. Soon the early outdoor flowers will come in and this will influence the market on indoor stock to a great extent.

NOTES.

Harry Young is on the committee for the flower show to be given by the Horticultural Society this fall. Harry expects a big show to be given the first week in November at the armory lately built—a good location. This will be the week preceeding the National Flower Show at Chicago. Many of the visitors will be invited to visit St. Louis on their way there.

Herman Riessen, brother of Mrs. Ed. Buechel of the Riessen Floral Co., died March 23, at the age of 24 years. The funeral took place Thursday afternoon from the residence, 3434 South Jefferson avenue, to the New St. Marcus cemetery. The floral offerings were numerous, many from local florists. The sympathy of the trade is extended.

Harry Rieman, formerly of the firm of Rieman & Chandler, was bound over in $500 bail to answer charge of passing worthless cheques. Among the victims was George Waldbart, who, however, is willing to forgive and help Harry start again.

The disappearance of Nath. M. Kingsley, of the Mullanphy Floral Co., has been accounted for. He is again back at his post. He went away for a few days to rest up, not letting his partner, Wm. A Seeger, Jr., know of his whereabouts.

At C. A. Kuehn's stock is looking fine. He is receiving quite a lot of southern bulbous stock. His stock of roses is very fine, especially Chatenay, Alice Roosevelt and Richmond from Fred Ammann, Edwardsville, Ill.

Park Commissioner Scanlan is to pass on the advisability of a sunken garden being provided on the site of the old exposition building which was torn down for the Carnegie library.

R. Wolfsberger, of Kirkwood, is now gathering some extra fine California violets. He is lucky, as most of those coming into the market are of very poor quality.

It is expected there will be a big demand March 29-30 on account of the funeral of Superintendent F. Louis Soldan of the public schools.

The Florists' Club will hold its next meeting at its new hall on Locust street.

Alex. Johnson is confined to his room, suffering with severe cold and chills.

W. F.

PLAINFIELD, N. J.—Mrs. L. J. Denton has removed from 307 to 216 Park avenue.

Detroit, Mich.

John Breitmeyer's Sons

Cor. Miami and Gratiot Aves.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

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FLORISTS,

1415 Farnum St. TELEPHONES 1501 and L 1582

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1017 Broadway Coates House Conservatory

Both Phones 2670 Main.

Write, Telephone or Telegraph. All orders given prompt attention.

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J. W. Wolfskill,

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Telegraph Orders a Specialty. 218 W. 4th St.

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HOUGHTON & CLARK,

FLORISTS

Telephone Connection. 396 Boylston St.

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Woodland Seed & Floral Co.,

808 Second Avenue.

Will fill all orders for Cut Flowers, etc. for steamers for Japan and Alaska or any part of the Pacific coast. A. L. AABLING, Gen. Mgr.

Louisville, Ky.

JACOB SCHULZ,

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Cut Flowers of BEST QUALITY in season, delivered promptly to any address. Write, Telegraph or Telephone

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Greater New York, Long Island and New Jersey.

Trade orders from all parts of the country filled for delivery at residence, steamer, hotel, or theater on wholesale basis. Satisfaction guaranteed. Wire or telephone.

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Special attention to Telegraph or Telephone orders. 'Phone 1912.

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THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in MINNESOTA AND THE DAKOTAS.

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Washington, D. C.

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CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

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Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address: "Daniels, Denver."

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Established in 1857.
Wittbold FLORIST
1657-1659 Buckingham Place,
L. D. Phone 558 Lake View.
Send us your retail orders.
WE HAVE THE BEST FACILITIES IN THE CITY

Cleveland.

TRADE ERRATIC.

Too good to last long, can be applied to excellent advantage to the spurt of business we experienced the fore part of the past week. All lines of stock, except roses, cleaned up nicely, but alas; this condition was not to last long, for by Wednesday trade began to slump again, Consignments increased and consequently the commission houses were once more filled with flowers. As usual when stock is over plentiful, some of the retailers get busy and have special sales in cut flowers; in this way a great deal of the surplus stock was worked off on Friday and Saturday. The retailers are busy booking orders for Easter. All are looking forward to a good business; there is no doubt there will be enough flowers on the market, with the exception of lilies.

NOTES.

The J. M. Gasser Co. had the decorations for the Linder Co. The opening took place last week; thousands of pussy willow branches and yards and yards of gray ribbon and chiffon were used to carry out the color scheme of gray and brown. Chas. Russel deserves to be complimented on his ability as a decorator. Many and beautiful were the floral offerings which were sent by the various dry goods companies. Some of the most notable were: A magnificent basket of Killarney roses tied with a gauze bow; a large vase of splendid American Beauty roses, and an immense horseshoe, artistically designed.

The Storrs & Harrison Co., Painesville, and Merkle & Son, Mentor, are very busy these days booking late orders for Easter stock. Some exceptionally fine plants, including azaleas, hydrangeas, rambler roses, etc., are being handled by these firms.

The Cleveland Cut Flower Co. is handling large quantities of double violets; these meet with ready sales. The firm is cutting a splendid lot of Rose Pink Enchantress carnations, which are always in good demand.

The heartfelt sympathy of the craft is extended to F. W. Zeichman and wife, 6520 Quincy avenue, owing to the death of their daughter Lena, who was slain on Euclid Heights, March 29.

An elegant lot of spireas can be seen at the establishment of Casper Aull, Lee avenue. Mr. Aull says he is having a hard time trying to keep back the bulbous stock for Easter.

Fred Doeble, one of our busiest nurserymen, is wearing the stationary smile. Why? Because now he is the father of a daughter.

C. M. Wagner has been a heavy buyer in the market during the past week. He reports business as being very good.

Milford Parks is in Chicago, where he will remain for several weeks.

Adam Graham is spending a few days at Altamont, N. C.

Visitors: Ben Eschner, of Rice & Co., Philadelphia, Pa. FORESTER.

FAR ROCKAWAY, N. Y.—Israel H. Isenberg is having a greenhouse built on his premises on Grove street, at a cost of $500.

ASPARAGUS, BOSTONS, AZALEAS.
Plumosus Nanus, 2½-in., $3.50 per 100, $30.00 per 1000; 3-in., 6c; 3½-in., 10c; 4-in., 12c; 5-in., 20c; 6-in., 30c. Comorensis, 2-in., 2c; 2½-in., 3c; 3½-in., 6c. Sprengeri 2½-in., 3c; 3½-in., 8c; 4-in., 10c.
Bostons, 2½-in., 4c; 3-in., 8c; 6-in., 40c; 7-in., 65c; 8-in. $1.00 to $1.50; 10-in $1.50 to $2.00.
Azaleas. We are now booking orders for Easter delivery. Our stock is the best in the west.
Phones Bell Forest 1453. Kinloch, Delmar 474 L.
J. W. DUNFORD, Kingshighway and Page Bld., Greenhouses at Clayton, Mo. St. Louis, Mo.

Cut Flowers or Designs
Will be delivered for the Trade on Wire or Mail. Orders in Best Qualities and Prices.

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Successors to Sievers & Boland.
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The Cleveland Cut Flower Co.
Will fill your orders for designs and cut flowers in NORTHERN OHIO.

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WRITE, WIRE OR PHONE YOUR ORDERS TO
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1406 Olive Street.
Regular discount allowed on all orders, either Plants or Cut Flowers.
Phones Bell, Main 2306. Kinloch, Central 4981.

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16 W. 3rd Street.
Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones

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HAUSWIRTH FLORIST
M. C. and J. E. Hauswirth.
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Mail, telegraph or telephone orders filled promptly in best style.

Kansas City, Mo.
WILLIAM L. ROCK Flower Co.,
Will carefully execute orders for Kansas City and any town in
Missouri, Kansas or Oklahoma.

Milwaukee, Wis.
C. C. Pollworth Co.
Will take proper care of your orders in WISCONSIN.

Indianapolis, Ind.
Bertermann Bros. Co.
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EYRES
Flowers or Design Work.
DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.
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The Park ...Floral Co.
J. A. VALENTINE, President.

Muskogee, Okla.
The Muskogee Carnation Co.
Wholesale and Retail in Cut Flowers.
We grow all our own Cut Flowers. Funeral work orders our specialty. Wire or mail order. Prompt attention.

Kansas City, Mo.
GEO. M. KELLOGG,
906 Grand Avenue.
KANSAS CITY and PLEASANT HILL, MO.
Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

Buffalo, N. Y.
Palmer's
W. J. Palmer & Son, 304 Main S

The Seed Trade.

American Seed Trade Association.
Geo. S. Green, Chicago, Pres.; M. H. Duryea, New York, First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-sixth annual convention, June 23 to 25, at Hotel Ponchartrain, Detroit, Mich.

C. W. BRASLAN has returned to California.

LOS ANGELES, CALIF.—Chas. Winsel reports business very good this season.

MARCH 16 was probably the big day this year in the mail order seed business.

NEW YORK.—H. Suzuki of the Yokohama Nursery Co. sailed for Europe last week. He expects to return in about six weeks.

PRESIDENT GREEN, of the American Seed Trade Association has been advised by Representative Mann that a hearing on H. R. 13835 will be given to seedsmen at Washington April 21.

HENRY NUNGESSER, of H. Nungesser & Co., sailed recently for Europe on the Kronprinzessin Cecilia and a cable announcing his safe arrival was received in New York March 24.

IN Representative Mann's report the statements of various leading seed houses throughout the country as to warranting or non-warranting, are printed, John Lewis Childs, of Floral Park, N. Y., being the only one mentioned as guaranteeing good seed.

THE Albert Dickinson Co. is now carrying a full line of the following stocks in New York: Sunflower, millet, canary, rape and hemp seed; Kaffir corn, barley, field wheat, field peas, buckwheat, rye, fodder corn and poultry feed. The office of the company is at Chambers and Judson streets.

SAN FRANCISCO, CALIF.—C. C. Morse & Co. are authority for the statement that the California Seed Growers Co., recently organized at Gilroy, has been dissolved. Ah Him, their Chinese foreman, who organized the company, has withdrawn from it and he returned to China March 24 for an indefinite visit.

CINCINNATI, O.—The trade here while welcoming a reasonable law prohibiting the importation of adulterants in any shape, feels that the proposed pure seed law puts every seedsman in the position of a lawbreaker. J. Charles McCullough feels tarpon pulling his bed clothes at night and will soon start for the Texas coast.

THE Bill H. R. 13835, if it becomes a law, will, undoubtedly, cause serious friction and many difficulties with all seed and bulb importation, as, under the law, no American seedsman can afford to import any stock not guaranteed by the foreign shipper to comply with the proposed U. S. pure seed laws and undoubtedly some foreign houses will hesitate to make this guarantee.

Braslan Seed Growers' Co.
Growers for the Wholesale Trade Only.
SAN JOSE, CAL.

TOULON, FRANCE.—"We have had rains here for 50 days in succession, which has damaged all kinds of work, delaying the planting of quite a good many stock bulbs. Those who have planted before the rains have far better prospects of crops, and the season will apparently be a good average."

Chicago.

Onion sets for immediate delivery are easy at about as follows: Yellow, $2.25; red, about $2.75; white, $3 for 32 pounds.

Grass seed contract prices on the board of trade March 31 were noted as follows: Prime timothy, $4.65 (no bids); medium red clover, $24; choice white clover, $15.

The Late E. Dillwyn Darlington.
See Obituary, Page 497.

Seed trade visitors during the week of the rose show were: D. I. Bushnell and Benjamin I. Corneli, from St. Louis, Mo.; Joseph E. Northrup, Minneapolis, Minn.; Charles E. Page, of Des Moines, Ia.; T. M. Landrum, with C. C. Morse & Co., San Francisco, Calif.

All Imported Seeds 100 Per Cent Alive.

In the report made by Mr. Mann to the House of Representatives, accompanying Bill H. R. 13835 and printed as Report No. 1278, it is stated as follows:

> "Section 3 also provides that, if weed seed or dead seed, or other matter materially reducing the value of seed, shall be added to seed, it shall be deemed an adulteration. This provision does not apply to seed as it is gathered or garnered, but only forbids the deliberate adulteration of seed by intentionally adding foreign matter to seed for the purpose of defrauding the purchaser or user."

Now while this provision does not apply to seed as it is gathered, the following paragraph in Section III regarding which Representative Mann makes no comment in his report, seems to be virtually prohibitive of nearly all business in the importing of seeds (see proposed Act page 453 of the last issue of the AMERICAN FLORIST) Section III, third with line 23, says seeds and bulbs shall paragraph, page 3, as printed, beginning be deemed to be adulterated:

> "If any seed or bulbs contain respectively dead seed or dead bulbs or any other matter reducing the value for seeding or planting purposes, provided that this paragraph shall extend only to seed and bulbs intended or offered for export or imported from a foreign country."

From this it will be seen that the seedsman who has in his possession through importation, any seeds which will germinate materially less than 100 per cent, whether such seeds be dead or unfertile, is a violator of the law, even if such seed existed in the crop as gathered, and even though it was impossible to clean them out. It would become possible for the government authorities to fine and imprison such seedsman.

[In reference to this subject in last week's issue under the heading "Seedsmen on Mann's Bill," lines 17 to 19 of page 3 of the bill as printed were cited in error instead of lines 23 to 25.—ED.]

Peas and Beans
Alfred J. Brown Seed Co.,
GRAND RAPIDS, MICH.

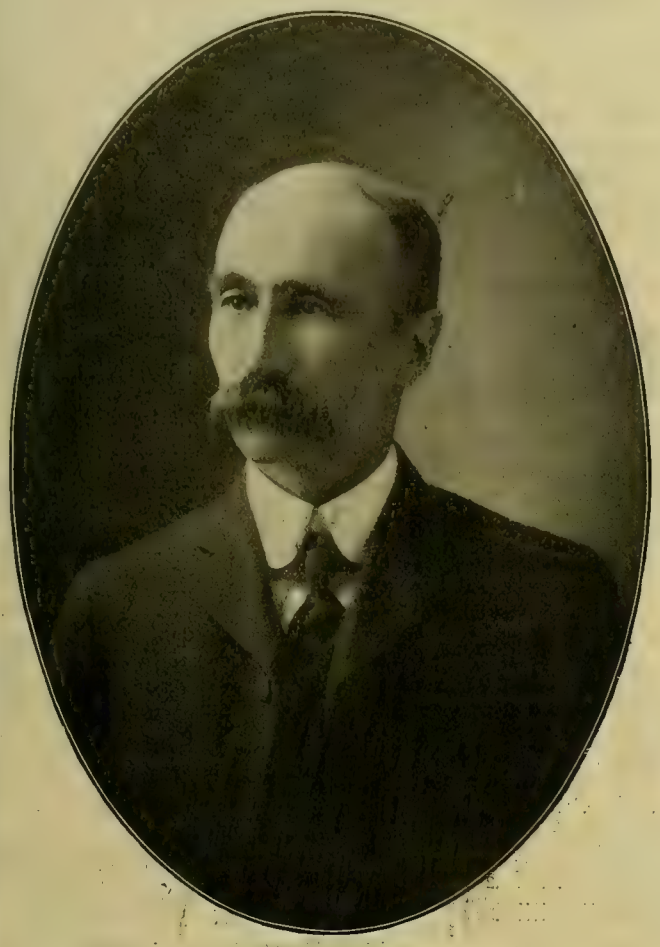
S. M. ISBELL & CO.
JACKSON, MICH.
Contract Seed Growers,
Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.
Correspondence Solicited.
Write for Prices on Surplus Stocks for Immediate Shipment.

ONION SEED We offer at following special prices what limited surpluses of our pedigree onion seed we have of crop 1907, cash with order, immediate shipment:

	Per lb.
Southport Yellow Globe	$ 1.20
" Red "	1.20
" White "	3.00
Yellow Globe Danvers	1.10
Prize Taker	1.30

Fine stock sweet corn, peas and beans. Trade price list on application.
S. D. WOODRUFF & SONS,
82 Dey St., New York City. Orange, Conn.

ONION SETS.
WE ARE HEADQUARTERS
YELLOW - RED - WHITE
WRITE FOR PRICES.
SEEDS Le nard's Vegetable Seeds Are The Market Gardeners' Standard.
Largest Growers of Peas, Beans, and Garden Seed in the Central West.
Catalogue Now Ready. Send For It.
Leonard Seed Co., = CHICAGO.



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From His Latest Photo.

THREE BIG Money Makers

"Grand Rapids Forcing Lettuce"
"Davis Kidney Wax Bean"
"Davis Perfect Cucumber"

Originated by Mr. Eugene Davis of Grand Rapids, Mich.

TO THE TRADE:

We have had the pleasure of introducing these three big money makers to the **American Seed Trade.**

"They Have all Made Good."

GRAND RAPIDS FORCING LETTUCE. If you want True Pedigree Stock Seed of this splendid variety we can supply it, but only in limited quantity.

DAVIS KIDNEY WAX BEAN. We have a small quantity of extra fine stock of this splendid Market Gardeners' Wax Bean. If you want **Something Extra,** we can supply it, but only in limited quantity,

Davis Perfect Cucumber.

The Davis Perfect has won for Mr. Davis as well as ourselves many friends. We have a large number of excellent testimonials from Expert Cucumber Growers from all parts of the United States and Canada. We are nearly sold out of seed for immediate shipment. If you want us to book you for crop 1908, grown from **Stock Seed** selected and saved by Mr. Davis, **"Order Now."**

Alfred J. Brown Seed Co.

GRAND RAPIDS, MICH.

TO THE TRADE

HENRY METTE QUEDLINBURG, GERMANY.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: **Beans,** Beets, Cabbages, **Carrots,** Kohl Rabi, Leek, Lettuces, **Onions, Peas, Radishes,** Spinach, Turnips, Swedes, **Asters,** Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspurs, Nasturtiums, **Pansies,** Petunias, Phloxes, Primulas, Scabious, **Stocks,** Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, mixed), the most perfect and most beautiful in the world, $5.00 per oz.; $1.50 per ¼ oz.; 75c per 1-16 oz. Postage paid, Cash with order.

All seeds offered are grown under my personal supervision on my own grounds of more than 3,000 acres, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

List of my novelties in flower seeds for 1908 sent on application.

MUSHROOM CULTURE

The Most Profitable Outdoor Industry Known.

If you want a really successful crop of

MUSHROOMS

USE ONLY

Johnson's Improved

MUSHROOM SPAWN

Which Is Scientifically Inoculated with Virgin Spawn.

JOHNSON'S, LTD., are thechief makers of Mushroom Spawn and growers of Mushrooms in England, and they recommend this season's improved spawn as being in better condition than ever.

Correspondence invited for OVER-SEA ORDERS. Prices and particulars on application.

NOTE THE ADDRESS:

JOHNSON'S, LTD.,

44 Bedford Row, London W. C., Eng.

FLORISTS have a splendid opportunity of raising **Mushrooms** by utilizing the **waste space** under the benches, and then utilizing the **waste material** of expended mushroom beds in growing flowers. **Lambert's Pure Culture MUSHROOM SPAWN,** the best spawn in the market, is sold by all leading seedsmen. A fresh sample brick, enough for a trial bed, together with illustrated book on "Mushroom Culture," will be mailed postpaid upon receipt of **40c** in postage stamps. Address **American Spawn Company, St. Paul, Minn.**

Greeley, Colo.

This district ships about 300 carloads of cabbage, 250 of these being the Cross or so-called Greeley Market, which has been locally grown for about a dozen years. I am trying to find out from what source it has originated and wherein its superior qualities lie and will advise the AMERICAN FLORIST. This local-grown seed is selling here at $12.50 per pound, and not to be had.

The Agnew Seed Co., which planted 100 acres of onion bulbs last year for seed, will increase its acreage this year and is already planting. Onion bulbs have wintered very well.

Less than one-half crop of onion bulbs will be shipped from here this season. In 1906 the output was about 700 carloads; this year only about 250 cars.

VEGETABLE SEEDS

SOW NOW.

	Per ¼ lb.	Per lb.
Lettuce, Grand Rapids Forcing	$ .30	$1.00
May King	.40	1.25
Cucumber, Evergreen White Spine	.25	.75
Davis Perfect	.35	1.25
Radish, Vaughan's Cardinal Forcing	.40	1.50
Improved Scarlet Globe	.25	.70
20 Day Forcing	.20	.60
Scarlet Globe White Tip	.20	.60
Tomato, New Globe	.75	3 00
Comet pkt., $ .25		
Sunrise pkt., .25		
Cauliflower, Earliest of All pkt., $ .25;	oz.,	$2.50

Vaughan's Seed Store, CHICAGO. NEW YORK.

Vegetable Plants.

	Per 100	1000
Tomato, Mayflower, Lorillard, Earliana, Early Jewel, Early June Pink	$0 30	$2.00
Beets, Egyptian and Crosby's	.20	1.25
Celery, White Plume and Golden Self Blanching	.20	1.25
Parsley, Moss Curled	.30	2.00
Cauliflower, Early Snowball	.50	
Lettuce, Grand Rapids		1.00
Pepper and Egg Plants, ready for transplanting	.40	2.00

R. VINCENT, Jr. & SONS CO.,

WHITE MARSH, MD.

Tuberose Bulbs

GENUINE MEXICAN EVERBLOOMING

1st size,.....$8.00 per 1000
2nd size..... 6.00 per 1000

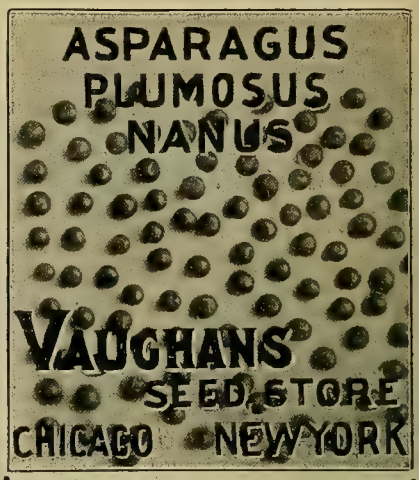
FURROW & CO.

Guthrie, Oklahoma.

MILWAUKEE, WIS.—Hunkel's Seed Store reports trade as much better than last year.—H.

TORONTO, ONT.—The seedsmen predict a good season; both the Steele Briggs Co. and J. A. Simmers have large advance orders in, with promises for many more as soon as the weather opens.—H. G. D.

CIRCULAR No. 26, from the Department of Agriculture, reads as follows: "The name of N. J. Burt & Co., 108 Main street, Burlington, Ia., was published through error, as the seed referred to was properly labeled by them and was not offered for sale as meadow fescue."



We handle this Asparagus both in seeds and plants of all sizes, in very large quantities and make very close prices on larger amounts on application. Our seed is pure, fresh, of best germinating quality and extraordinary vitality. **Northern Greenhouse-Grown Seed.** Per 100 seeds, **60c;** 250 seeds **$1.25;** 1000 seeds, **$4.00;** 5000 seeds, **$19.50;** 10,000 seeds, **$37.50.** Price for larger lots on application.

ASTER SEED

Our descriptive price list of High Grade Aster Seed is now ready, and will be sent free on application.

It will soon be time to sow your main crop of Aster Seed. Give our strain a trial. None better.

"Pointers on How to Grow Asters Successfully" sent free with every order.

VICK & HILL CO.

P. O. Box 613, Rochester, N. Y.

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TO WRITE US

For Prices on any thing in our Line.

St. Louis Seed Co.

"The Home of Pure and Sure Seeds."

784-786 N. 4th St. St. Louis, Mo.

FISKE SEED CO.

Can supply new, fresh seed **to the florists** for immediate use.

ASTER SEED A SPECIALTY.

Special florist list free.

H. E. FISKE SEED CO.,

12 and 13 Faneuil Hall Sq., BOSTON, MASS.

THE Bureau of Plant Industry, Department of Agriculture, advises the seed trade under date of March 1, that, to meet the growing demand for tests, either for germination or mechanical purity, the number which may be tested for any single firm or individual in any one month has been increased to ten.

Canary Islands Onion Seed

BERMUDA, Red and White. Also **CRYSTAL WAX.**
Choicest Seed at Moderate Prices.
We don't sell direct to truckers.

Kuhner, Henderson & Co., TENERIFFE, CANARY ISLANDS.

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In Bulk and Packages

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SPECIAL MIXTURES SEED FOR **GOLF GROUNDS**

MINNEAPOLIS **THE ALBERT DICKINSON CO.** CHICAGO

Asparagus Plumosus Nanus Seed

$2.50 per 1000.

NEW CROP.
Highest Germination.

DRAKE POINT GREENHOUSES
YALAHA, FLORIDA.

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Write for samples and prices

Seed Potatoes, Red River Stock.....

VAUGHAN'S SEED STORE, Chicago.

HJALMAR HARTMANN & CO.

Growers for the Wholesale Trade Only.
31 Barclay St. **NEW YORK.** **12 Stormgade,** **COPENHAGEN.**

CAULIFLOWER and CABBAGE SEED

Rogers Brothers,

SPECIALTY GROWERS.
Purest Strains GARDEN PEA and BEAN SEED.
For the Wholesale Trade. **ALPENA, MICH.**

W. J. Eldering & Son,

Wholesale Bulb Growers and Dealers.
OVERVEEN. HAARLEM. HOLLAND.
Headquarters for High Grade **Hyacinths, Tulips** and **Narcissi.** We do not sell at Retail. Write for special quotations on large quantities.

C. C MORSE & CO.,

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Address all communications to our permanent address
48 to 56 Jackson St., **SAN FRANCISCO.**
ONION, LETTUCE, SWEET PEAS, and other California Specialties.

Seed Beans

F. L. HOGUE,
CARPINTERIA, CAL.,
Grower for the Wholesale Trade only.

Waldo Rohnert

GILROY, CAL.
Wholesale Seed Grower
Specialties: Lettuce, Onion, Sweet Peas, Aster Cosmos, Mignonette, Verbena, in variety.
Correspondence solicited.

VAN ZANTEN BROTHERS

Royal Netherlands Bulb Nurseries and Export Trade.

HILLEGOM, HOLLAND.

Wholesale growers of the leading sorts of Hyacinths. Tulips, Narcissus. Crocus, Spiræas, Gladiolus, Pæonies, etc., etc. We further ask your attention to our superior quality and special prices of French Bulbs, Roman Hyacinths, Paper White Gr., etc. Ask quotations from our traveler

MR. G. HYLKEMA,
care of Messrs. Maltus & Ware,
14 Stone St., NEW YORK.
Who will also send you, on demand, catalogue and special prices of all
HOLLAND BULBS AND PLANTS.

PROCEEDINGS

Of the Congress of Horticulture held at the Jamestown Exposition, September 23, 1907,

Linen Bound. 108 pages. Price, 25c.

This publication includes the formal addresses and discussions of the papers read at the meeting which covered the various phases of Horticulture. This meeting was pronounced by Horticultural authorities as one of the greatest Horticultural meetings ever held in a single day,

For copies address

H. C. IRISH, Sec'y,
National Council of Horticulture, Missouri Botanical Garden, **St. Louis, Mo.**

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SWEET PEA
ORIGINATOR.
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QUALITY SEEDS BULBS PLANTS

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$2.00
In either stiff or flexible cover. Address orders
AMERICAN FLORIST CO., CHICAGO.

MARKET GARDENS.

CUBES of sod are preferable to pots or flats for sowing melons in to transplant to the field.

MURIATE of potash as a manure for potatoes is thought by some growers to spoil their flavor. These growers prefer the sulphate of potash.

AT a cost of about eight cents each, a grower of cantaloupes at Brawley, Calif., has used small muslin and wire protectors that have proven very useful in forwarding his plants.

Prices of Indoor Vegetables.

The prices of indoor vegetables at leading points March 28 were as follows: New York, cucumbers, No. 1, $1 to $1.25 per dozen; No. 2, $3 to $4 per box; lettuce, 25 cents to 75 cents per dozen; mushrooms, 25 cents to 55 cents per pound; mint, 20 cents to 30 cents per dozen bunches; radishes, $2 to $3 per 100 bunches; tomatoes, 15 cents to 25 cents per pound. Chicago, cucumbers, $1.35 to $2 per dozen; radishes, 15 cents to 30 cents per dozen bunches; mushrooms, 25 cents to 50 cents per pound. Boston, tomatoes, 30 cents to 40 cents per pound; cucumbers, $7 per box; mush-

The Nursery Trade

American Association of Nurserymen.
J. W. Hill, Des Moines, Ia., President; C. M. Hobbs, Bridgeport, Ind., Vice-President; George C Seager, Rochester, N. Y., Sec'y.
Thirty-third annual convention to be held at Milwaukee, Wis., June, 1908.

TIME to improve those old and worthless apple and pear trees by grafting the foundation of a new head upon them.

BROWNSTON, IND.—Fred Steinkamp has purchased an interest in the Brownstown Nursery Co., and the firm name will be Merrill & Steinkamp.

THE Devils Lake Nursery has been incorporated at Devils Lake, N. D., with capital stock $5,000. John W. Maher, Henry Hale and J. E. Maher, all of Devils Lake, are the incorporators.

KEARNEY, NEB.—W. L. E. Green, one of the proprietors of the Estella Nurseries, Wood River, has located here with his family and started a nursery. A retail office and yard will also be maintained.

GODFREY, ILL.—Wm. Jackson celebrated his eighty-eighth birthday March 15. Mr. Jackson is a very active man for his years. He is in the young man class as he loves to mingle with people who are much his junior in years and is able to hold his own in many respects with them. Mentally he is very alert and physically he is much stronger than most men of 70 years.

New Texas Nursery.

John J. Duncan, of Minneapolis, is about to start a large nursery and greenhouse plant between Houston and Galveston, Tex., on the Southern Pacific R. R. He is arranging for a 2,200-acre tract of what he considers the best land in eastern Texas for the purpose.

Wm. H. Moon Co., Morrisville, Pa.

Of the 300 acres under cultivation by the Wm. H. Moon Co., as a nursery, every one of them shows something interesting in the line of ornamental trees, flowering shrubs, climbing vines, etc. This place is so well stocked with everything necessary for landscape adornment, that it is hard to state what is most noteworthy; but brief mention of a few features, very interesting to the writer, may find favor with that large and ever increasing class that is interested in the satisfactory execution of outdoor art.

Landscape gardening would be but an empty name without the tree, the shrub and the vine. I may at another time give a sketch of the Moon family, back through generations of nurserymen; but at this season it is more appropriate to deal with the activities of the men of the present, of the men who are carrying on a great business reaching into every state of the union as well as foreign countries. When it is stated that this concern gives employment to from 100 to 200 men, it will be readily understood that the business is in a flourishing condition.

To the writer, a very interesting feature is the propagating houses from which immense numbers of young plants are annually transferred to the beds or rows for growing on, thus keeping up the supply. The grafting of conifers may not be familiar to all who have to do with ornamental gardening, but at this place it is practiced with great success. Though a great area of the nursery is devoted to maple, oak, beech, catalpa and other shade and ornamental trees in variety, there is a proportionately large stock of flowering shrubs, hybrid roses, climbers and herbaceous plants.

Grand Rapids Nursery Co.,
Grand Rapids, Mich.
Choice Hardy Michigan Trees, Shrubs, Fruit Trees and Small Fruits.
LANDSCAPE WORK A SPECIALTY.
Chicago Agent: **J. A. SELLARS,**
409 W. Van Buren Street.
Residence, 494 Douglas Boulevard.

LARGE TREES.
OAKS and MAPLES.
PINES and HEMLOCKS.
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA

Dreer's Specials in Hardy Perennials

RUDBECKIA RAYS OF GOLD.

Anemone Japonica. 40,000 plants in stock. These are not dried up dormant, or winter killed stock, but established, growing, 3-inch pot plants, which will flower early and continuously.

	Per doz.	Per 100	Per 1000
Japonica. Rosy red	$0.85	$6.00	$50.00
" Alba. Large pure white	.85	6.00	50.00
Elegantissima. Semi-double satiny rose	1.25	8.00	70.00
Lord Ardilaun. Large single white	1.25	8.00	70.00
Prince Henry. Double deep rich pink	1.25	8.00	70.00
Queen Charlotte. Large silvery pink	.85	6.00	50.00
Rosea Superba. Delicate silvery rose	.85	6.00	50.00
Whirlwind. Large semi-double white	.85	6.00	50.00

Hardy Aster Grandiflorus. This is not only the largest flowered but one of the latest flowering of the Michaelmas Daisies; its deep violet blue flowers are the last thing to bloom in our perennial grounds. $2.00 per dozen; $15.00 per 100.

Campanula Persicifolia Gigantea Moerheimi. The most beautiful of the Peach-leaved Campanulas, producing 3 feet high stems of pure white, double, Camellia-like flowers 2 to 2½ inches in diameter; a fine cut flower. $1.25 per dozen; $8.00 per 100.

Burbank's Shasta Daisy Alaska. Undoubtedly the best not only of the Burbank varieties, but also superior to any of the foreign varieties, flowers 4 to 5 inches in diameter and of a pure glistening white. $1.50 per dozen; $10.00 per 100.

Helenium Riverton Gem. A new variety that originated on our trial grounds two years ago. Of strong growth, 2½ to 3 feet high. Covered from the middle of August to the end of October with brilliant flowers, which on opening are old gold suffused with bright terra cotta, changing as they mature to a wallflower-red. $1.50 per dozen; $10.00 per 100.

Helenium Riverton Beauty. Another new variety which originated with us, quite distinct in color, which is lemon-yellow with a large disc of purplish-black, the two colors forming a striking combination. Of strong growth, 3 to 4 feet high and blooming from early in August until October. 30 cts. each; $3.00 per dozen.

Japanese Iris. An unsurpassed collection of twenty distinct varieties, $1.50 per dozen; $10.00 per 100. Set of 20 varieties for $2.00.

Lupinus Polyphyllus Moerheimi. No new perennial in our trial grounds pleased us as much as did this new Lupine during the past season. It forms symmetrical bushes three feet high, with spikes of flowers a foot long, a beautiful combination of light and dark pink. 60 cts. each; $6.00 per dozen.

Hardy Perennial Phlox. We are headquarters for these. We have over 200,000 one-year-old field grown plants now in stock in all the leading varieties. All the standard sorts, 75 cts. per dozen; $5.00 per 100; $40.00 per 1000.

Rudbeckia Rays of Gold. An improved, or rather, a refined form of the popular Golden Glow, having narrower petals and forming a full double flower. $1.50 per dozen; $10.00 per 100.

Stokesia Cyanea Alba. Identical in every way with the popular blue Stokesia except in color, which is white; very desirable. $1.50 per dozen; $10.00 per 100.

Tritoma Pfitzeri. We have a large stock this season of this most popular of the Tritomas. $1.00 per dozen; $7.00 per 100; $60.00 per 1000.

For the most complete list of Hardy Perennials, see our current Wholesale List.

HENRY A. DREER, 714 Chestnut Street, Philadelphia, Pa.

THESE PRICES ARE FOR THE TRADE ONLY.

Hardy Roses for the Garden

STRONG FIELD-GROWN PLANTS

The roses here offered are extra strong two-year-old field-grown blooming plants, which if planted early, will give a large number of flowers the first year. They can be planted as early in the spring as the frost is out of the ground, and from that time until about the first week in May. We offer a grand collection of the best and choicest varieties, as follows:

HYBRID PERPETUAL OR JUNE ROSES

Frau Karl Druschki, Marchioness of Londonderry, Capt. Hayward, Mrs. R. G. Sharman-Crawford, Ulrich Brunner, Margaret Dickson, Baron de Bonstetten, Paul Neyron, Gen. Jacqueminot, Magna Charta, Mrs. John Laing, Mme. Gabrielle Luizet, Marshall P. Wilder, Gloire de Paris, Baroness de Rothschild, Prince Camille de Rohan, Fisher Holmes, Alfred Colomb, Soleil d'Or, Persian Yellow, Moss Roses, Rugosa alba and rubra, etc.

MONTHLY AND HYBRID TEA ROSES

Btoile de France, Killarney, Mme. Abel Chatenay, Countess of Gosford, Koenigen Carola Perle von Godesberg, Gruss an Teplitz, Maman Cochet, White Maman Cochet, Belle Siebrecht, Hermosa, Mme. Caroline Testout, Souv. de Pres. Carnot, Kaiserin Augusta Victoria, American Beauty, La France, Clothilde Soupert, Prince de Bulgarie, Mme. Norbert Levavassuer (Baby Rambler), Anny Muller (Pink Baby Rambler), Catharine Ziemet (White Baby Rambler), etc.

In Climbing Roses we have a nice stock of Crimson Rambler, Lady Gay, Dorothy Perkins, Dawson, Gardenia, Tausendschon, etc.

Let us know the quantity you want and varieties, and we will be glad to quote lowest prices on same by return mail.

F. R. PIERSON CO., Tarrytown-on-Hudson, NEW YORK

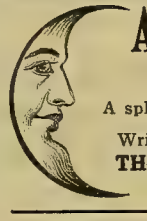
BOBBINK & ATKINS,
Rutherford, N. J.,
Bay Trees, Palms, Buxus, Azalea indica, Rhododendrons, Evergreens, Herbaceous Plants, Roses, Trained Fruit Trees, Greenhouse Grape Vines. Ask for catalogue.

NEW
Surplus Shipping List
NOW OUT.
Send for one. Low prices. Fine stock.
PETERSON NURSERY,
Lincoln and Peterson Avenues, CHICAGO.

The True Amoor River Privet
Ligustrum Amurense
2½ to 3 feet, strong, field-grown plants, any quantity, $25.00 per 1000.
California same size and price.
Peter's Nursery Co., Knoxville, Tenn.

Alpine and Rock Plants
Gentianas—Acaulis, verna, Edelweiss, 10 other plants, $2.00 including postage; 600 varieties. Send for catalogue.
— Cash with order. —
ENGLISH HOME OF ALPINE PLANTS,
South Pool, Kingsbridge, Devon, England.

HARDY FRUIT AND ORNAMENTAL TREES,
SHRUBS, ROSES, VINES AND PERENNIAL PLANTS.
MAY'S SEEDS FOR THE NORTHWEST
FOR FLORISTS' TRADE. Write for Price List.
We make a specialty of furnishing nursery stock to Florists for planting or supplying their trade, also seeds put up in packets or in bulk.
"MOST NORTHERN NURSERIES IN AMERICA"
L. L. MAY & CO., ST. PAUL, MINN.



ARBOR VITÆ
(Thuya Occidentalis.)
A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.
THE WM. H. MOON CO.,
Morrisville, Pa.

AZALEAS (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Coniters, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.
Jacs Smits, Ltd. NAARDEN, (Holland.)
Price list free on demand.

Ligustrum Ibota
SEEDLINGS.
Twice transplanted, 18-24 inches high bushy, fine hedge plant. Per 100, $5.00; per 1000, $40.00.
Ampelopsis Engelmani,
3-year old, strong.
Per dozen, $2.00; per 100, $15.00.
Vaughan's Seed Store,
CHICAGO.

STRATFORD, CONN.—The Conine Nursery Co. imported a larger quantity of European stock this season than ever

ERIE, PA.—The board of park commissioners is still striving for lake and other improvements in Glenwood park, and it is hoped these will be carried out this season.

N. T. MURRAY, of Oregon, first vice-president of the state board of horticulture, says that the fruit buds of all kinds are in splendid condition and there is a promise of a good fruit crop if late frosts do not catch it.

NEWTON CENTER, MASS.—F. E. Palmer, of Newton street, Brookline, has purchased the Wade farm of 27 acres of fertile land, with a view of growing hardy plants, shrubs and trees.

GOING FAST.

New Pink Rambler Rose "NEWPORT FAIRY"

THE FINEST INTRODUCTION OF ITS CLASS AT THE CHICAGO ROSE SHOW.

Write To-Day for Illustrated Pamphlet and Prices.

JULIUS ROEHRS CO., Rutherford, N. J.

HardyRoses

American Grown—Superior to Imported

We have unsold at the present time the following varieties—**all field grown plants,** grown in our nurseries at Rochester, N. Y.:

Anne de Diesbach	Prince Camille
Clio	Ulrich Brunner
Frau Karl Druschki	Crimson Rambler
General Jacqueminot	White Rambler
John Hopper	Yellow Rambler
Mme. G. Luizet	Philadelphia Rambler
Marshall P. Wilder	Common Sweet Briar
Mrs. John Laing	Mme. G. Bruant
Paul Neyron	Wichuriana (The Type)

These plants are in our storage cellars and can be shipped at any time. Prices on request.

ELLWANGER & BARRY

Nurserymen—Horticulturists

Mount Hope Nurseries, Rochester, N. Y.

PETER LAMBERT

Trier (Germany).

The Best 30 New Roses For 1908

(EXPORT.)

Grossherzog, Friedrich, Frau Rose Benary, Friedrichsruh, Reichskanzler, Lyon Rose, Frau Staub, Mrs. V. Tienhoven, etc.

NEW LIST ON APPLICATION.

For Autumn:
Enormous quantities field-grown roses.

rooms, 40 cents to 50 cents per pound. Pittsburg, cucumbers, $9 to $10 per box.

Tomatoes for Market.

ED. AMERICAN FLORIST:—

At what season do tomatoes bring the best price and when should they be sowed? What distance apart should they be planted and how many should I pick per plant? SUBSCRIBER.

I suppose these tomatoes to be grown outdoors. As regards price, that depends entirely upon the supply. A good many factors join to make this hard to answer. As a rule, there are two profitable periods in outdoor tomato culture, namely: the early and the late crop. The midseason crop very often comes in a glut accompanied by low prices. The reason for this is that as soon as the ordinary field crops come in, the supply is in excess of table consumption, and the weather being warm, home canning has not begun. Thus for a number of years, the late crop has paid well, except last fall, when tomatoes all came to ripen in September to such an extent that canneries could not work them up as fast as hauled in, thereby forcing canning contractors upon the open market, demoralizing that in places.

Grafted Roses

FOR FORCING.

Bride, Kaiserin, Richmond,
Bridesmaid, Killarney, Wellesley,

$12.00 per 100; $100.00 per 1000.

JACKSON & PERKINS COMPANY

WHOLESALE FLORISTS AND NURSERYMEN,

Newark, Wayne County, **New York.**

TAUSENDSCHON

or in English, **THOUSAND BEAUTIES,** is the sensational new Climbing Rose of the year. Every florist should have it. It is not excelled for forcing purposes and for general planting by any Climbing Rose now known, **not even barring Crimson Rambler.** This is the coming forcing Rose. Get your stock early. Illustrated in ten colors and gold in our Catalogue for 1908 the **Leading Rose Catalogue of America.** Every rose worth having is described in it. Copy free for the asking.

Strong plants of Tausendschon from 3-inch pots, 10 for $1.50; $12.00 per 100; $100.00 per 1000.

Dahlias, all the leading varieties, $45.00 to $50.00 per 1000. Send for list.

Cannas, all the leading varieties, $10.00 per 1000 and upwards. Ask for list.

The Dingee & Conard Co., WEST GROVE, PA.

CARNATIONS ROOTED CUTTINGS.

Aristocrat	Per 100, $ 5 00	Enchantress	Per 100, $ 2 00
Winsor	" 5 00	Lady Bountiful	" 2 00
Perfection (White)	" 2 75	Victory	" 2 75

Rose Pink Enchantress, $2.75 per 100.

SALVIA ZURICH. The Ever-blooming Salvia. Rooted cuttings, $1.75 per 100; 2-in. $3.00 per 100.

The Salvia Zurich was first introduced by us.

PERENNIAL GARDENS CO., Toledo, Ohio.

The proper way to get early tomatoes is to stake them, and sucker them, that is, grow single stems. Then after the fruit setting has reached three good clusters, the plants are topped, preventing the midseason crop. A staked plant will produce from six to nine pounds of fruit. For staking, plant two feet apart in the rows, and the rows four feet apart. Stakes need not be high, two and one-half to three feet above ground is plenty. Some use plaster lath, others, rose wire stakes, all fastened to a top wire. We use top and bottom wire and a manilla string for each plant, and four plants between posts, and twist plants around strings. Figure six weeks to produce nice plants. We prefer sturdy 2½-inch pot plants to any other. You cannot overfeed staked tomatoes.

MARKETMAN.

La Detroit

Two-year-old bench plants at $6.00 per 100 or $50.00 per 1000. Very fine for summer blooming.

BASSETT & WASHBURN
76 Wabash Ave., CHICAGO.

Rooted Cuttings

	Per 100	1000
Enchantress	$2.00	$18.00

Cash with order. Good stock guaranteed.

Pettit & Sharpnack, SALEM, OHIO.

AFTERGLOW.

$12.00 per 100; $100.00 per 1000.

Aristocrat.............$6.00 per 100; $50.00 per 1000
White Perfection .... 3.00 per 100: 25.00 per 1000

Orders booked now for future delivery.

R. Witterstaetter, Station F, Cincinnati, O.

2½-in. ROSES 4-in.

See illustration, page 404, Mar. 21.
See column adv., page 460, Mar. 28.

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO

Brampton, Ont.

On the night of March 26 this town was visited by the worst flood that has been experienced here since September, 1878. During the whole day there was a high wind blowing, with the thermometer standing as high as 62°. The result was that the great quantity of snow we have had this winter melted faster than the river Etobicoke could take it away, and at 10 p. m. there was over four feet of water running on the main street. R. Jennings' place suffered probably worse than anyone else's in town; nearly his whole place was flooded. The violets were covered nearly two feet deep in some places and in the carnation houses there was nothing to be seen except the flowers and buds above the water. A bench of mignonette was just about covered and also a lot of young chrysanthemums that had just been planted. When the water went down in the morning everything was in a terrible mess. There was a thin coat of mud left on all the stock, which had to be washed off, and it looks as though they will never need watering any more. It was a good thing that the weather did not turn very cold after the wind went down, for the water soon covered the grates in the boilers and was up to the tops of the doors before it stopped rising. L.

HOLLAND, MICH. — The Prospect Heights Improvement Association is the name of a new organization just launched by Fifth warders here. The aim of the organization is to convert that territory into a beauty spot by the planting of shade trees, shrubbery, flowers; the opening and grading of new streets and the securing of many modern facilities. During the past five years Prospect park has made an extensive growth and many new residences have been erected.

GRAFTED ROSES.

NOVELTIES.

MRS. JARDINE, RHEA REID, QUEEN BEATRICE.
The above, $6.00 per doz., 50 plants for $18.00, $35.00 per 100.
MY MARYLAND, 50c each, $5.00 per doz., $35.00 per 100.
On own roots, 2½ in. pots, $25.00 per 100, $2.00 per 10; 3 in. pots, $5.00 per doz.
MRS. POTTER PALMER, $3.00 per doz., $17.50 per 100; $125.00 per 1,000.
NEW RAMBLER, "NEWPORT FAIRY." For delivery spring 1908. Well rooted plants in 2¼ inch pots $1.00 each, $9.00 per dozen, $50.00 per 100.

STANDARD VARIETIES.

Aurora, Betty, Bon Silene, Bride, Bridesmaid, Enchanter, Etoile de France, Franz Deegen, Gen. McArthur, Golden Gate, Hermosa, Ivory, Kaiserin Augusta Victoria, Kate Moulton, Killarney, La Detroit, Maman Cochet, Marechal Niel, Mme. Abel Chatenay, Mme. Hoste, Mrs. Pierpont Morgan, Papa Gontier, Rosalind Orr English, Richmond, Souv. du President Carnot, Souv. de Wootton, Uncle John, Wellesley, White Cochet.
GRAFTED, 2¼ inch pots, 20c each, $2.00 per doz., $15.00 per 100, $120.00 per 1,000.

AMERICAN BEAUTY.

Own root, 2½ inch pots, $8.00 per 100, $75.00 per 1,000. 3 inch pots, $12.00 per 100, $100.00 per 1,000. April, May and June delivery.

OWN ROOT ROSES.

From 2½ inch pots, repotted from 2 inch.
Kaiserin Augusta Victoria, Killarney, Bride, Bridesmaid, Ivory, Golden Gate, Uncle John, Richmond, Mme. Abel Chatenay, Aurora, $1.00 per doz., $6.00 per 100, $50.00 per 1,000.
From 2 inch pots ready for shipment, $3.50 per 100, $30.00 per 1,000.

CARNATIONS.—Rooted Cuttings.

	100	1,000
Winsor	$6.00	$50.00
Rose Pink Enchantress	3.50	30.00
Enchantress	2.50	20.00
Queen Louise	2.50	20.00

From 2¼ inch pots, add $1.00 per 100.
White Enchantress, 3 in. pots,, $7.00 per 100, $60.00 per 1,000.

MISCELLANEOUS PLANTS.

AGERATUM, Stella Gurney, Princess Pauline.
SALVIA Splendens, S. Bonfire.
HELIOTROPE.
Rooted cuttings 75c per 100, $6.00 per 1,000.

COLEUS.

Verschaffeltii, Golden Queen, Fire Brand, Lord Palmerston, Queen Victoria, Beckwith's Gem. Prices of Rooted Cuttings by express, 60c per 100; $5.00 per 1,000. Less than 250 of a variety will be charged at the 100 rate.
Golden Bedder, Hero, Messey, Pearl of Orange, 75c per 100, $6.00 per 1,000. Less than 250 of a variety will be charged at the 100 rate.
Fancy Varieties. A very fine assortment of twelve kinds not listed above; 75c per 100, $6.00 per 1,000. 250, in assortment, our selection, at the 1,000 rate.

ASPARAGUS PLUMOSUS NANUS SEEDLINGS.

From flats, $10.00 per 1,000.

CHRYSANTHEMUMS.

Ready for Shipment.
Virginia Poehlmann, Angele Laurent, Golden Dome, Mlle. Jeanne Rosette, Money Maker, from 2¼ in. pots, $2.00 per doz.; $10.00 per 100.
Mrs. Clay Frick, Zimmers Yellow, Mary Mann. From 2¼ in. pots, $1.00 per doz.; $6.00 per 100.
Rooted Cuttings, $5.00 per 100.
CHOICE POMPONS, Klondyke, Quinola.
CHOICE SINGLE VARIETIES, Kitty Bourne, Mrs. Roberts, Amorita.
From 2¼ in. pots, $1.00 per do.

STANDARD VARIETIES

WHITE—Early: George S. Kalb, Polly Rose, Early Snow, October Frost. Mid-Season: Clementine Touset, White Shaw, Mrs. H. Robinson, Beatrice May, Merza, Niveus, Queen, Alice Byron, Eureka, Miss Minnie Wanamaker, Adelia. Late. Mrs. McArthur, Timothy Eaton, W. H. Chadwick, Merry Christmas.
PINK—Early: Glory of the Pacific, Rosiere. Mid-Season: J. K. Shaw, Adelia, A. J. Balfour, William H. Duckham, Dr. Enguehard, Morton F. Plant. Late: Maud Dean, The Harriott, Mayor Weaver, Mrs. James Marshall.
YELLOW—Early: Monrovia. Mid-Season: G. Pitcher, Col. D. Appleton. Late: Major Bonnaffon, Golden Wedding, H. W. Reiman, Yellow Eaton.
RED—Cullingfordi, Merstham Red, Matchless.
BRONZE YELLOW—Mrs. William Duckham, Old Gold.
POMPONS—Baby (Yellow), Lulu (White), Briolas (Pink).
From 2¼ inch pots; 5c each, 50c per dozen, $3.00 per 100, $25.00 per 1,000.
Rooted Cuttings: $2.00 per 100, $15.00 per 1,000.

A. N. PIERSON, - Cromwell Conn.

60,000 Grafted Roses

	Per 100
Chatenay, Killarney, Richmond, Liberty, La France, in rose pots	$15.00
3½-inch pots	18.00
Bride, Bridesmaid, Golden Gate, Kaiserin, in rose pots	10.00
3½-inch pots	15.00

OWN ROOT ROSES.

3-inch pots.................................$7.00 and $9.00 per 100

Orders received for early delivery.

Send for circulars of **VERBENA** and **CARNATION CUTTINGS.**

J. L. DILLON, Bloomsburg, Pa.

PANSY PLANTS.

	Per 1000	100
Giant Flowering	$ 2.50	.50
Alternantheras, Red and Yel. Apl. 10.		2.00
Coleus, 2¼-in pots, 10 varieties		2.00
Canna, C. Henderson, and eight other varieties dry bulbs		2.00
Vinca, Variegated, 2¼-in, pots		2 50
Verbenas, April 15th		2.00

GERANIUMS.

	Per 1000	100
10 varieties 2½-in. pots	$25.00	3.00
10 varieties 3-in. pots, Apl. 1		4.00
Double Petunias, Apl. 1		3.00
Asp. Plumosus, Apl. 1		2.00
Asp. Sprengeri, Apl. 1		2.00
Centaurea Gym. Apl. 15		2.00

—CASH—

JOS. H. CUNNINGHAM, Delaware, O.

Secure Now for Easter.

Pot Grown Shrubs which will bloom in 3 to 4 weeks after placed into heat.

	Each.	Doz.
Lilac, Chas. X and Marie LeGray	$ 1.00	$10.00
Prunus Triloba, standards, 2½ ft. stems.	1.00	10.00
Prunus Triloba, Bushy grown, 18 in. high	.50	5.00
Prunus Triloba, Simplex & Georgica, 18 in. high	.50	5.00
Malus, in 3 sorts Floribunda, Atrosanguinea and Scheideckeri, bushy pot grown plants, 2½ ft.	1.00	10.00
Azalea Mollis, full of buds	.50	4.50
Deutzia Gracilis, 7 in. pots	.15	1.50
Deutzia Lemoine, 7 in. pots	.25	2.50
Rhododendrons, 8-12 buds	.75	9.00
Rhododendrons, 12-18 buds	1.25	12.00

Dormant Roses

FOR EASTER FORCING.

2-year old Budded Roses, per doz., $2.00; per 100, $15.00.
American Beauty Kaiserin Paul Neyron
La France Soleil d'Or Gruss an Teplitz
Frau K. Druschki and Hermosa.

The following kinds, 2-year old Budded, per doz., $1.50; per 100, $11.00:

Anna de Diesbach Fisher Holmes Magna Charta
Ball of Snow Gen. Jack M. P. Wilder
Capt. Christy Mad. C. Testout Mrs. J. Laing.
Ulrich Brunner and many other kinds. Per 100.

Crimson Rambler, 2-yr., home grown for Easter forcing	$15.00
Crimson Rambler, 2-yr., strong imported stock	12.00
Dorothy Perkins, 2-yr., home grown for Easter forcing	12.00
Lady Gay, 2-yr., budded stock	20.00
Philadelphia Rambler, 2-yr., home grown	12.00
Baby Ramblers, 2-yr., extra strong budded	20.00
White Baby Rambler, 2 1-2 in.	10.00
Red Kaiserin, 2-yr. dormant	25.00

CARNATIONS—Rooted Cuttings.

	Per 100	Per 1000
Afterglow, 2-in. pots	$12.00	$100.00
Andrew Carnegie, 2-in. pots	12.00	100.00
Defiance	12.00	100.00
Sarah Hill, 2-in. pots	12.00	100.00
Winona, from sand	12.00	100.00
White Enchantress	6.00	55.00
Lady Bountiful,	3.00	25.00
Red Chief,	5.00	40.00
Red Riding Hood, from soil	5.00	40.00
Victory,	3.00	25.00

	Per 100	Per 1000
Robt. Craig, from soil	$3.00	$25.00
Aristocrat	6.00	50.00
Pink Patten, from soil	2.50	20.00
Mrs. T. W. Lawson	2.00	15.00
Winsor, 2-in. pots	6.00	45.00
Rose Pink Enchantress, from soil	4.00	30.00
Enchantress, from soil or sand	3.00	25.00
Mrs. Patten, from soil	2.50	20.00
Prosperity	2.50	20.00

VAUGHAN'S SEED STORE, 84-86 Randolph Street, CHICAGO. 14 Barclay Street, NEW YORK.

Greenhouses and Nurseries: Western Springs, Ill.

Strictly First-Class PLANTS

ON OWN ROOTS
2½-pots to line out.

$2.50 per 100 $25.00 per 1000
Baby Rambler
Clothilde Soupert
Dorothy Perkins
Mme. A. Chatenay
Crimson Rambler

$2.75 per 100 $27.50 per 1000
Hermosa
Maman Cochet
Malmaison
Etoile de Lyon
Helen Gould
Lady Gay
M. Neil
Notting
Meteor
White Maman

ROSE PLANTS

$3.00 per 100 $30.00 per 1000
Black Prince
Mme. Masson
Richmond
Kaiserin
Paul Neyron

$3.50 per 100 $35.00 per 1000
Etoile de France
Gen. McArthur
Mme. J. Guillemot
Mrs. J. Laing
Helen Good
$5.00 per 100
J. B. Clark
$8.00 per 100

C. M. NIUFFER, Springfield, O.

Easter Lilies in Pots

Order now for Easter while they are in bud, as they ship better.
$12 to $15 per 100 blooms; $120 to $150 per 1000 blooms.

Mrs. Potter Palmer 2½-in., $15.00 per 100; $125.00 per 1000; 3½-in., $150.00 per 1000.

Cardinal 2½-in., $15.00 per 100; $125.00 per 1000; 3½-in., $150.00 per 1000.

	R. C. per 1000	2½-in. per 100	2½-in. per 1000	3½-in. per 1000
American Beauties	$30.00	$3.50	$60.00	$80.00
Maids, Brides		4.50	40.00	60.00
UncleJohn		4.50	40.00	60.00
Chatenay			4.50	40.00	60.00
Perles			5.00	45.00	65.00
Sunrise			5.00	45.00	
Kaiserin	18.50		4.50	40.00	60.00

CARNATIONS.

	Rooted Cuttings per 100	per 1000
White Lawson	$2.00	$20.00
Pink Lawson	2.00	20.00
Variegated Lawson	2.20	20.00
Victory	3.00	25.00
Winsor	5.00	45.00
Rose Pink Enchantress	3.00	25.00
Enchantress	3.00	25.00
White Lawson	5.00	45.00
Aristocrat	5.00	45.00
White Perfection	4.00	35.00

We have an exceptionally large stock of the Lawsons, Victory, and Winsor.

Asparagus Plumosus, 6-in. stock for benching. $15.00 per 100; $125.00 per 1000.

Chrysanthemums in season. Price list mailed on application.

POEHLMANN BROS. CO., Morton Grove, Ill.

CHOICE YOUNG ROSE STOCK

	Per 100	Per 1000
Kaiserin, 2½-inch	$4.50	$40.00
Richmond, 2-inch	3.00	25.00
Maid, 2-inch	$3.00	$25.00
Bride, 2-inch	3.00	25.00

Carnations—Rooted Cuttings.

	Per 100	Per 1000
Rose Pink Enchantress	$3.00	$25.00
Enchantress	2.50	20.00
Lady Bountiful	2.50	20.00
White Perfection	$4.00	$35.00
Queen	2.00	15.00

BASSETT & WASHBURN,
Store: 76 Wabash Ave., CHICAGO. Greenhouses: HINSDALE, ILL.

The Scent of Flowers.

Blanchon, the naturalist, says that most floral perfumes are in reality excitants, which stimulate and then provoke a reaction—that is, a weakness equal to the quantity of power employed at the moment of excitation. Perfumes, in fact, act as alcohol acts. Their chief virtue is their antiseptic quality. The bacilli of typhoid has been killed in from 12 to 80 minutes by different essences. Scent-giving flowers are not, as is often stated, bad in sick rooms. But they should be chosen in view of their effects on the nervous system or of their antiseptic qualities. Growing flowers are the best. Flowers with delicate perfumes act favorably on the nervous system.

ELGIN, MINN.—Miss Florence, daughter of B. O'Neil, underwent an operation for appendicitis. At this writing she is doing nicely.

SOUTH BEND, IND.—J. M. Studebaker, P. G. Pearson, gardener, is building one palm house 26x50, and one plant house 22x100 feet.

OMAHA, NEB.—Theodore Williams, a pioneer horticulturist of this city, died in the hospital at Lincoln March 16 at the age of 66.

Smith's Chrysanthemum Bulletin

The following varieties are among the Most Popular of the Commercial Sorts, having been given thorough tests and not found wanting. READY NOW.

A LARGE STOCK READY IMMEDIATELY AFTER EASTER.

LET US HAVE YOUR ORDER NOW.

EARLY.

In this section are included those perfecting their flowers prior to Nov 1st.

WHITE.	Price per 100 R.C.	Plants
Beatrice May	$4.00	$6.00
Clementine Touset	2.00	3.00
Ivory	2.00	3.00
Mme. Gastellier	2.00	3.00
Alice Byron	2.00	3.00
Opah	2.00	3.00

WHITE.	Price per 100 R.C.	Plants
October Frost	$2.00	$3.00
Polly Rose (Estelle)	2.00	3.00
Pres. Loubet	4.00	6.00
Geo. S. Kalb	2.00	3.00
PINK.		
Amorita	2.00	3.00

PINK.	Price per 100 R.C.	Plants
Pacific	$2.00	$3.00
Rosiere	2.00	3.00
YELLOW.		
Carrie	2.00	3.00
Comoleta	3.00	4.00
Monrovia	2.00	3.00

MIDSEASON.

This section includes those which under ordinary circumstances develop their blooms from Nov. 1st to 20th. Some will flower earlier and others later, according to season and climatic conditions.

WHITE.	Price per 100 R.C.	Plants
Arline	$2.00	$3.00
M. Wanamaker	2.00	3.00
Mrs. Robinson	2.00	3.00
Mrs. Buckbee	2.00	3.00
Mrs. A. T. Miller	4.00	6.00
Alice Roosevelt	3.00	4.00
Niveus	2.00	3.00
Silver Wedding	3.00	4.00
Tim. Eaton	2.00	3.00
Mrs. Swinburne	2.00	3.00
Fidelity	3.00	4.00

PINK.	Price per 100 R.C.	Plants
Dr. Enguehard	$2.00	$3.00
Marie Liger	3.00	4.00
Mayor Weaver	2.00	3.00
Pres. Roosevelt	8.00	10.00
V. Morel	3.00	4.00
Wm. Duckham	2.00	3.00
Brighthurst	2.00	3.00
BRONZE.		
Winnefred	6.00	8.00
Dakoma	4.00	6.00

YELLOW.	Price per 100 R.C.	Plants
Col. Appleton	$2.00	$3.00
Crocus	4.00	6.00
Golden Wedding	3.00	4.00
Maj. Bonnaffon	2.00	3.00
Roi d' Italia	2.00	3.00
Sunburst	3.00	4.00
Yel. Eaton	2.00	3.00
CRIMSON ROSE.		
T. Carrington	2.00	3.00

LATE.

Flowering from Nov. 20th and later. Some will perfect their flowers by Nov. 10th if early buds are secured.

WHITE.	Price per 100 R.C.	Plants
Jeanne Nonin	$3.00	$4.00
W. H Chadwick	3.00	4.00
Yanoma	3.00	4.00
RED.		
Intensity	3.00	4.00

PINK.	Price per 100 R.C.	Plants
Ialene	$3.00	$4.00
John Burton	3.00	4.00
Maud Dean	2.00	3.00
Mrs. Murdock	2.00	3.00
Jeanne Rosette	8.00	10.00

YELLOW.	Price per 100 R.C.	Plants
Golden Chadwick	$3.00	$4.00
Mounier	2.00	3.00
W. H. Lincoln	2.00	3.00

Thousand Rates Quoted on Application. LOOK FOR OUR ADV. IN FUTURE ISSUES.

ELMER D. SMITH & CO.,

Successors to Nathan Smith & Son, **ADRIAN, MICH.**

Rooted Rose Cuttings

	Per 100	Per 1000
AMERICAN BEAUTY	$3.50	$30.00
MAIDS	1.50	12.00
BRIDES	1.50	12.00
RICHMOND	1.50	12.00

American Beauty.

	Per 100	Per 1000
BENCH PLANTS	$6.00	$50.00

Smilax,

	Per 100	Per 1000
2½-inch pots	$2.00	$15.00

GEORGE REINBERG,

35 Randolph St., CHIC

CHRYSANTHEMUMS.

Monrovia, October Sunshine, F. A. Cobbold, Mrs. T. W. Pockett, Col. Appleton, Nellie Pockett, Cheltoni, Lady Hopetoun, White Coombes, Ben Wells and others now ready at $3.00 per 100, $25.00 per 1000; 2¼-in. pots.

If your stock is run down try some of mine and see the difference next fall. Lots of the new singles now ready.

You got my 'mum list, of course?

CHARLES H. TOTTY, Madison, N. J.

AM. BEAUTIES

2 and 3-inch pots. Fine plants ready for a shift.

$6.00 per 100; $50.00 per 1000.

JOSEPH HEACOCK CO.,

WYNCOTE, PA.

MALDEN, MASS.—E. D. Kaulback & Son had the decorations at the Hallett-Stiles wedding March 18 and these were very fine. There were three rooms decorated with separate flowers; one with Bride roses, another with jonquils and a third with red carnations. The bride's bouquet was of Bride roses and the bridesmaid carried pink sweet peas.

MONTREAL, QUE.—The greenhouses which E. L. Pease is going to build for his son will be of King construction, 200 feet long, three houses connected, each 25 feet wide. There will be a glass division in the middle, so half will be planted in roses and the other half in carnations. A propagating house will be erected, connecting boiler house with center of greenhouses.—LUCK.

Extra Fancy Carnation Blooms

Shipped direct to all points. Special attention to telegraph orders. Give us a trial and be convinced.

J. D. THOMPSON CARNATION CO., Joliet, Ill.

Rooted Carnation Cuttings

White.	Per 100	100
White Perfection	$3 00	$25 00
White Enchantress	6 00	
Pink.	**Per 100**	**1000**
Enchantress	$2 00	$15 00
Rose Pink Enchantress	3 00	25 00
Lawson	1 75	15 00
Helen Goddard	2 50	
Aristocrat	5 00	
Red.	**Per 100**	**1000**
Beacon	$6 00	$45 00
Victory	3 00	25 00
Robt. Craig	3 00	25 00
Crimson.	**Per 100**	**1000**
Harlowarden	$1 75	15 00

ELI CROSS,

Cor. Ashland Ave. and Page Street. **Grand Rapids, Mich.**

CARNATIONS

Rooted Cuttings.	Healthy stock. Per 100	1000
Winsor, Helen M. Gould, Beacon	$6.00	$50.00
White Enchantress	7.00	60.00
Melody, Victory	4.00	
Enchantress, Lady Bountiful, Red Lawson, Variegated Lawson, White Lawson, Daheim	3.00	25.00
Mrs. T. W. Lawson, Boston Market	2.00	15.00

Send for Catalogue.

WOOD BROTHERS

FISHKILL, N. Y.

JOHN E. HAINES,

BETHLEHEM, PA.,

is the place to order rooted cuttings of the following varieties for 1908.

	Per 100	Per 1000
John E. Haines, red	$6.00	$50.00
Imperial, variegated	6.00	50.00
Pink, Pink	6.00	50.00
Enchantress, Light pink	6.00	50.00

WHITE ENCHANTRESS

Splendid stock and immediate delivery $6.00 per 100; $50.00 per 1000. Write for list of other varieties.

JENSEN & DEKEMA,

674 W. Foster Ave., CHICAGO

SUNNYVALE, CALIF.—March 21 has been set apart as Arbor day by the chamber of commerce and endorsed by the local grange and woman's club. The center of the Arbor day activities is in the town park, located north of the railroad tracks.

ST. LOUIS, MO.—M. B. O'Reilly Co. reports the sale of the property Nos. 4550 to 4560 St. Louis avenue, 160x153 feet, improved with greenhouses, which was bought by Vincent J. Gorley, president of the Grimm & Gorley Co., from Jesse Von Compenhoudt. The consideration was $10,000.

BOONE, IA.—The officers and directors of the driving park and fair association are working on plans for the erection of a floral hall at the driving park just north of the city. The plans, although not yet adopted, call for a handsome and substantial structure which will be a decided ornament to the grounds.

CARNATION CUTTINGS ::: DEPEND

On receiving only **strong** and **healthy** cuttings when you order from **us.** We have only the **nicest** and **best** varieties. Write for further information to

Guttman & Arbor

The Wholesale Florist of New York. Grower,

42 West 28th Street. **Lynbrook, L. I.**

Victory, Imperial, Pink Imperial, Aristocrat, Winsor, Welcome, White Perfection, Lieut. Peary, Rose Pink Enchantress, etc.

"THE TEST is what TELLS THE STORY."

When growers who buy by the 100 the first season order **thousands** the next—**IT MEANS MERIT.**

BEACON CARNATION

occupies this enviable position; as an all winter blooming scarlet **IT HAS NO EQUAL.**

Strong, vigorous, healthy cuttings, ready now, Per 100, $6.00; per 1000, $50.00.

Winsor.....Per 100, $6.00; per 1000, $50.00
White Perfection.. " " 4.00; " " 35.00
Rose Enchantress..Per 100, $4.00; per 1000, $35.00
Enchantress ..... " " 3.00; " " 25.00

Send Money Orders on Norwood, Mass.

PETER FISHER, Ellis, Mass.

Rooted Carnation Cuttings

	Per 100	Per 1000
Enchantress	$ 1 75	$ 15 00
Mrs. T. W. Lawson	1 50	12 00
Boston Market	1 50	12 00
Rose Pink Enchantress	3 00	25 00
White Perfection	3 00	25 00
White Enchantress	6 00	$ 50 00
Winsor	6 00	50 00
Beacon	6 00	50 00
Harlowarden	1 50	12 50
Aristocrat	6 00	50 00

CHRYSANTHEMUMS.

WHITE.	Per 100
W. H. Chadwick	$2 00
White Bonnaffon	1 50
October Frost	1 50
Estelle	1 50
Clementine Touset	1 50
Jeanne Nonin	1 50
YELLOW.	**Per 100**
Golden Chadwick	$2 00
Major Bonnaffon	1 50
October Sunshine	1 50
Monrovia	1 50
PINK.	
Dr. Enguehard	1 50
Glory of Pacific	1 50

Satisfaction Guaranteed. **A. F. LONGREN, Des Plaines, Ill.**

CARNATIONS. GERANIUMS.

ROOTED CUTTINGS.

Ready April 14th.	Per 1000
Winsor and Beacon	$40.00
Pink Imperial and Aristocrat	30 00
Enchantress and J. E. Haines	12.50
White Perfection	20.00
Pink Patten	10.00
Victory	20.00

100 at same rate.

Ready now.	Per 1000
Nutt, Perkins, Buchner and Doyle	$10.00
Viaud, Poitevine, Castellane and Ricard	12.50

Good, strong, well-rooted cuttings, as good as some pot plants.

Asparagus Plumosus, ready for 3-inch..... $30.00
Smilax and **Sprengeri,** ready June 1st..... 15.00

ALBERT M. HERR, Lancaster, Pa.

CARNATIONS—Rooted Cuttings. Immediate Delivery.

	Per 100	1000
Winsor	$6.00	$50.00
Aristocrat	6.00	50.00
Victory	3.00	25.00
Enchantress	2.00	20.00
Lawson, (pink)	1.75	15.00
Lawson, (white)	2.00	18.00

STEVIA, R. C., $1.00 per 100.

Or will exchange the above for Montmort, Perkins, Poitevine or Viaud Geraniums.

Satisfaction guaranteed. **E. T. WANZER, Wheaton, Ill.**

Boston.

TRADE VARIABLE.

Following a brightening glimpse, the local trade was again doomed to disappointment with the opening of business Monday morning. The week just closed has been dull beyond comprehension. Not for many years has the flower trade been so affected, and while still hoping that Easter may be the opening wedge for a revival of normal conditions, there appears now but little foundation for hope. The market is swamped with every conceivable flower of the season and it is only by continual efforts on the part of salesagents that tremendous surpluses are not allowed to accumulate. As it is, quantities of stock are sent to the waste heap and other quantities are disposed of at very low figures. The new regulations affecting street hawkers have considerably discouraged this class of trade, who in former years have been instrumental in disposing of tremendous quantities of second class goods. The number of house to house venders has been considerably increased, but are as yet but slight relief to the wholesalers. The smaller shopkeepers on different days offer for sale all sorts of flowers at low prices, this feature helping somewhat. American Beauty roses move with difficulty and the best in the market, while not extraordinary specimens, are bringing $3 per dozen. Killarney and Richmond of the best quality sell fairly well at $2.50 per dozen, and quantities of both roses are obtainable at prices of a most tempting nature. Carnations of all varieties are thrown on the market by the thousand, for whatever they may bring, and often for less than enough to pay for their picking.

NOTES.

"Del" Cartwright, the genial salesman for the Waban Rose Conservatories has been compelled to absent himself from his duties on account of his health. He has been troubled for some time with a slight sickness which has become serious, and to arrest the disease in its early stages he has unwillingly consented to undergo a special treatment. By sheer pluck alone he has daily attended to his work much against the advice of his physicians, who expect to return him home completely recovered in two or three weeks.

W. H. Elliott's success in staging his products of local culture so well at the rose show in Chicago is being loudly commended by his home craft. For those who are familiar with the admirable products daily distributed through the city this latest achievement will occasion but little surprise, as the reputation of this able grower has long since been well established and his name has been linked with those of the most famous rose culturists of the age.

Pierce Bros., whose establishment is located at Waltham, are handling their goods in the most up-to-date fashion and recently have added to their facilities a handsome and practical motor van, the best example of a practical car in use for this purpose, covering the 15 miles to the city in less time than it takes to come by train. The capacity of the car is three tons and of such proportions as to allow of a great loading capacity.

At the W. W. Edgar Co.'s establishment at Waverley an enviable collection of Easter plants may be seen. Particularly attractive are the superb assortments of azaleas, genistas, lilacs and geraniums, added to which is a superb crop of lilies, which bids fair to rank with the best of competition.

E. A. Rogean has accepted the position as sales agent for Paul Richwagen of Needham with headquarters at the Park St. Market, and handling at different seasons the products of one of the largest and best known growers.

Visitor: Miss Morrill, of Lane's, Bangor, Me. B.

OECHSLIN'S FERNS.

BOSTON FERNS.

Nice bushy plants.	Per doz.	Per 100
5-in. "	$ 3 00	$25 00
6-in. "	6 00	50 00
7-in. "	9 00	
8-in. "	12 00	

Nephrolepis Whitmani
8 and 9-in. pots, $1 50 and $2.00 each.

FERNS FOR DISHES.

Six leading varieties.
Strong bushy plants.

	Per 100	Per 1000
2-inch pots	$ 3 00	$ 25 00
	Per doz.	Per 100
3-inch pots	$ 0 75	$ 6 00

Cyrtomium Falcatum

Holly Fern. Strong plants.

	Per doz.	Per 100
4½-in. pots	$ 2 00	$15 00
5-in. "	3 00	25 00
6-in "	5 00	

Dracena Indivisa
Fine plants for Baskets and Vases.
5-in. pot plants, per doz. $3.00; per 100 $20.00

Eurya Latifolia
Fine Variegated Plant for Decorating.
24 to 30 inches high, $1.25 each.

Fern Hanging Baskets.

Anna Foster
Well grown and drooping, $2.00 each.
Boston Baskets
Fine and drooping, 8-in., $1.25 each; 10-in., $2.00 each.
Pteris Wimsetti and Ouvrardi
Strong and bushy, 4½-in. pots, $2.00 per doz.; $15.00 per 100,

Asparagus Plumosus

Strong bushy plants, ready to shift.

	Per doz.	Per 100
4½-in. pots	$ 1 50	$ 12 00
5 in. " 3 in a pot	3 00	20 00
6-in. " 3 "	6 00	

Asparagus Sprengeri

Strong plants, fine for Hanging Baskets, 4½-in. pots $1.50 per doz.; $12.00 per 100,
Cocos Weddelliana
3-in. pots.....per doz., $2.50; per 100 $20.00
5-in. " ...4 in a pot, 75c each; $9.00 per doz.
Pandanus Veitchii
Strong and well colored.
5 in. pots.....$1 00 each.
5½-in. pots..... 1.25 each
6-in. pots..... 1.50 each

Primula Obconica Grandiflora Rosea

STRONG PLANTS IN BLOOM.

2½-in. pots	50c per doz.; $3.00 per 100
3½-in. pots	75c per doz.; 6.00 per 100

TERMS STRICTLY CASH WITH ORDERS.

FRANK OECHSLIN, 2572 West Adams Street, **Chicago, Ill.**

Formerly GARFIELD PARK FLOWER CO.

CANNAS

Austria, Allemania, Alsace, Bouvier, Capt. Drugeon, C. Henderson, J. D. Eisele, Florence Vaughan Kate Gray, Pres. Viger, Pennsylvania, Pres Meyer, Souv. de Ant. Crozy, $2.50 per 100; $20.00 per 1000. David Harum, $4.00 per 100; $35.00 per 1000. Egandale (3-in. pots only), $5.00 per 100 King Humbert, the king of all Cannas an extra large stock from strong 4-in. pots, $25.00 per 100.

Boston Ferns, Scottii, Elegantissima and Whitmanii, we have many thousand to offer from 2¼- to 4-in. at rock bottom prices. Can offer special bargains in R. C. **Beacon Carnations.** Write us for special prices.

W. W. COLES, Kokomo, Ind.

NEW PLANTS

GLADIOLUS Lemoinei and Nanciauus.

V. LEMOINE & SON, Nancy, France.

Catalogues on application.

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,

Successors to L. K. Peacock, Inc., ATCO, N. J

Gladioli....

Write for 1908 trade list of Named Varieties, Color Sections and Choice Mixtures. First-class stock at reasonable prices:

E. E. STEWART, RIVES JUNCTION, MICH.

Highways and Byways.

Green Bay, Wis.—Chas. De Clerc is now building two houses 30x200 feet. His newly opened retail store has proven a success. Mr. De Clerc's present place in Fort Howard cemetery is filled with bedding stock for cemetery use.

Carl Meier contemplates erecting additional glass this season.

H. M. Reineke, for many years a florist here, intends to go to Portland in May.

Marquette, Mich.—Miss Stafford, of Stafford's Greenhouses, has a good show of tea roses, and is very optimistic about the outlook. E. R. Tauch, although established but one year, is doing a good business. He christened his greened carnations The Emmett, and they made a big hit.

Owatonna, Minn.—The Clinton Falls Nursery Co. reports an excellent trade. Fred Chapman, for many years with some of the big places around Chicago, is foreman of the greenhouse department. He has an excellent stand of carnations.

Austin, Minn.—A. N. Kinsman has a range of 40,000 feet of glass. His specialty is roses. His crop goes to Holm & Olson, St. Paul. The quality of stock is strictly good. Mr. Kinsman intends to build two houses, 30x200, this season.

Madison, Wis.—Fred Rentschler will build a new house for plants. The specialty of this place is ferns, and the amount which he disposes of at retail is surprising.

Negaunee, Mich.—Frank Ashelman, greenhouse superintendent for the Cleveland Iron Cliff Co., was operated on for appendicitis.

Ishpeming, Mich.—Trebilcock Bros. report an excellent trade. Howard Baldwin, their grower, has the place in fine shape.

NEW CANNAS 1908

Rosea Gigantea. This beautiful variety has extra large flowers which are borne in such abundance that the mass of color on each plant is amazing. Single petals are 2½ inches across; color, a deep rich rose, almost a coral carmine. Plants make a vigorous growth, producing unusually fine clumps of green foliage. Height, 4 feet. (A great favorite with visitors to our trial grounds.) Strong plants, **$2.00** each, prepaid; **$18.00** per doz., by express, not prepaid.

Gladio-Flora. Remarkable for the unusual shape of the flowers which look like large Gladiolus. Petals are not long, but short and rounded and so wide they overlap each other, thus giving a very attractive appearance to the flowers. Color is crimson changing to carmine rose with an uneven edge of gold to each petal. Height, 3½ feet. Price, strong plants, **$2.00** each, prepaid; **$18.00** per doz., by express, not prepaid.

Meteor. Meteor is a vigorous grower with healthy green foliage. It is highly valued because of its magnificent flowers, fully four inches across, and abundance of bloom. Color is a deep crimson, very rich; each plant usually throws up five to six trusses of buds which continue blooming luxuriantly all summer through. Price, plants of dormant roots, **75c** each, postpaid; **$6.00** per doz., by express, not prepaid.

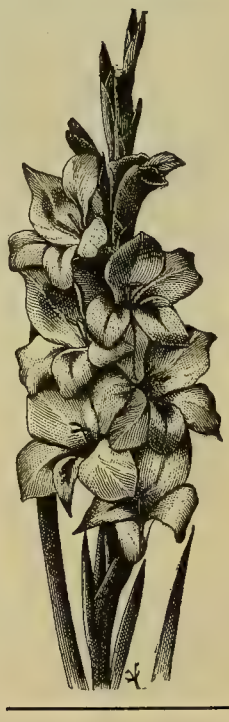
NEW CANNAS OF SPECIAL MERIT.

William Saunders. (1907) The flowers are large, of splendid form and are borne very freely in immense clusters. The color is a deep rich shining scarlet lightly dappled with crimson. Foliage is a rich bronze. Height, 3½ to 4 feet. We believe that Wm. Saunders is decidedly the most perfect Canna of this type that has been introduced. Those who tried Wm. Saunders in 1907 say it cannot be excelled. We offer plants only: **60c** each, postpaid; **$5.00** per doz., **$35.00** per 100, by express, not prepaid.

60 other varieties. Send for our list and prices.

The Conard & Jones Co.,

WEST GROVE, PENNSYLVANIA



Gladiolus

STRICTLY FIRST SIZE BULBS.

	Per 100	1000
Princeps, medium	$9.00	$
Mrs. Francis King, best scarlet for florists' use	4.00	30.00
America, fine pink	7.50	60.00
Augusta, pure white, blue anthers	2.00	17.00
Brenchleyensis, intense scarlet	1.45	12.00
Ceres, pure white, spotted purplish rose	1.45	12.50
May, pure white, flaked rosy crimson	1.75	15.00
"1900," a very rich shade of red	2.50	
Shakespeare, pure white, blotched pink and violet	4.25	38.00
Florist Mixture, made from named light and white varieties; comprises best there is in Gladiolus	1.75	15.00

VAUGHAN'S SEED STORE

CHICAGO. NEW YORK.

GLADIOLI

Madeira Vine,

Hyacinthus Candicans,

Spotted Calla,

Oxals, summer **blooming, Cinnamon Vine Roots, German Iris, Delphinium Formosum, Lilies, etc.**

—Write for Price List.—

E.S.MILLER, Wading River, N. Y.

FOR EASTER

Extra Fine Stock.

Giganteum Lily plants, Azaleas, Hydrangeas, Hybrid Roses, Spirea, etc.

Roses, Carnations, Violets and other seasonable flowers.

Also Wire Designs and Florists' Supplies.

Buffalo Cut Flower Co.

468 Washington St. BUFFALO, N. Y.

Birmingham, Ala.

Spring has again opened and our beautiful trees, shrubbery, etc., have budded out in their summer clothes. Spring business is extra good; retail business fair, principally funeral work.

Hugh Seales' place is back into nice condition since his boiler burst; everything is running smoothly again. He now spends most of his time at the greenhouses and is cutting extra choice stock. The roses are a little off crop as we had so much bad weather while the boiler was being repaired. His store business has been extra good with plenty of stock for all occasions. This firm filled several orders the past week in thousand lots for openings and social functions. It is bringing in lots of Easter lilies and other blooming plants.

John L. Parker's greenhouses at Fairview are in first-class shape, he is cutting quite a quantity of flowers; he has handled quite a quantity of bulbous stock this season. W. S. Shirley, manager of his store, says business has been very good. This deserving young man has built up a nice business for this firm and turns out nice work.

Raegner Bros.' new place at Seventy-first East Lake is under good way already; two houses complete, the boiler in place and several other houses started. They intend to have a fine place soon. They own a large piece of ground and no doubt will do well.

George Luffman's place is very neat and attractive. He grows a mixed stock for his store, also shrubs and hardy stock for his landscape work. He says he is rushed very much now with outdoor work on account of a very rainy winter.

Wm. D. Summerfield has a fine lot of bedding stock which he goes into quite heavily; his palms and ferns are in splendid condition and it does one good to visit his place as the glad hand of welcome always greets you.

The club transacted a lot of business at its last meeting, in fact more than it has done at any previous meeting. It is getting things organized and expects to have papers read before its members from out-of-town florists.

A. J. Koenig's place at Woodlawn is in first-class condition. He is cutting some fine roses, but his carnations are not quite so good. Young stock looks splendid and he is well satisfied with the past season.

Theo. Smith reports business extra good. Miss Clifton Holcombe, who has charge of his store, claims she is worked to a shadow; everyone knows our friend Smith is a hustler.

Lindsay The Florist reports he is busy all the time. He has been handling a nice line of lilies and pot plants lately as well as choice cut flowers. H. S.

DON'T FORGET

That **Decoration Day** comes

a very short time after Easter this season. Besides **Lilies, Spireas, Hydrangeas, Azaleas, Hyacinths, Tulips, Narcissus** for Easter, we offer

Geraniums, Red, White, Pink, and Salmon in 2½-, 3- and 4-in.

Salvias, Ageratum, Sweet Alyssum, Santolina, Feverfew, Petunias, 4 varieties in 2½, 3- and 4-in.; and all other **Bedding Stock.**

Write for our complete list of **Soft Wooded Plants.** We can save you time and money, for cash is a great lever to move things quickly. We grow 50,000 Ferns annually. Write us

GEO. A. KUHL,

PEKIN, ILL.

PREPARE FOR EASTER

Have Lilies to burn, the best in the land, the best in the land, the best in the land.
Azaleas, in finest colors, to beat the band, to beat the band, to beat the band.

Our immense stock of choice Easter plants, blooming Easter week or earlier if desired, are now ready for immediate shipment.

No dull times at Aschmann's. Come and see our BIG RUSH in shipping **Azalea Indica, etc.** Why? No wonder! Our **Azaleas** are of first-class No. 1 stock.

We make a specialty of importing every year an immense choice stock of this so well favored Easter plant.

Azalea Indica. We make a specialty of importing every year an immense stock of the choicest varieties popular in America, grown under contract for us by an Azalea specialist in Ghent, Belgium. If you need Azaleas, don't look around in vain all over the country for bargains, but come or write direct to us. We will be able to supply you with the best obtainable in the American market; full of buds; in good, healthy condition, right for Easter; all planted in October or November in 6 to 7 in. pots.

☞ **Take Notice.** We do not sell Azaleas in the fall, having the best picked out (and having the rubbish left for Easter), but we keep them all full of buds for our customers for Easter. Mme. Van der Cruyssen (2,500 of them), this is the best double pink variety known to the market, round as an apple, covered with buds; Bernard Andreas Alba (dbl. white), $1.00, $1.25, $1.50 to $2.00; Simon Mardner (dbl. pink), Vervæneana (variegated dbl. rose), Niobe (dbl. white), Deutsche Perle (dbl. white), Empress of India (dbl. variegated), Apollo (beautiful red), Professor Wolters, and about six more varieties. Price: 6-7-in. pots, 60c, 75c, $1.00, $1.25, $1.50, $1.75 to $2.00 each.

Come on! Mail yonr orders direct to headquarters. Our reputation over the entire country, from the Atlantic to the Pacific, in growing Easter plants for the wholesale market, for the last fifteen years, ought to be sufficient guarantee as to the truth of what we say and advertise. Be wise. Never mind about that nonsense—hard times talk! ☞ Look for a big Easter trade, which is sure to come. ☞ Secure your orders in time while we have plenty of stock. All our houses are full to their utmost capacity with the choicest plants in bud and bloom, just right for Easter or earlier if wanted.

Araucarias Robusta Compacta and **Glauca,** a perfect marvel and wonder of nature. We are one of the heaviest importers and cultivators of this beautiful decorative plant. Our plants are about the same in height as in width.

Robusta Compacta, 7-in. pots, specimen plants, 6-year-old, 5 tiers, 27 to 30 in. high, $2.00 to $2.50 each.

Excelsa Glauca, specimen 7-in. pots, 6-year-old (the fine bluish-green color makes or gives this variety a fine, striking appearance—sells at sight), 30 to 40-in. high, 4, 5 and 6 tiers, $1.50, $1.75, $2.00, $2.50 to $3.00 each.

Araucaria Excelsa, 6-in. pots, 4 to 5 years old, 20 to 25 in. high, 4,5 and 6 tiers. 75c to $1.00 each; 5¼-in. pots, 3 years old, 3 to 4 tiers, 7, 8, 10 to 14 in. high, 50c each.

Choice Nephrolepis, all pot-grown.

Boston Ferns, 8-in., as big as a washtub. $1.25 to $1,50 each; 7-in., $1.00; 6-in., 50c; 5 to 5½-in., 35c to 40c.

Scottii Ferns, 7-in., $1.00 to $1.25; 6-in., 50c; 5½-in., 40c.

Whitmani Ferns, 4-in., 25c.

Piersoni Ferns, 5, 5½ to 6-in., 30c, 40c to 50c.

Neph. Amerpohlii, the new lace fern, 5¼-in. pots, 50c to 60c.

Ferns for Dishes, 3-in., large, 7c,

Primula Obconica, 5¼-in., in bloom, $2.00 to $2.50 per doz,

Hyacinths, raised from first-class bulbs of our own importation. These hyacinths cannot be compared with the ordinary stock raised from cheap bulbs flooding the market. King of the Blues (dark), Grand Maitre (lavender blue), Gertrude (pink), La Grandesse (white), 4-in. pots, $12.00 per 100.

Tournesol Tulips, red and yellow variegated. This is the best selling double tulip on the market; it will stay in bloom and in good condition for ten days. Price: 3 bulbs planted in 4-in. pot, $1.50 per doz. pots, or $12.00 per 100.

Double Von Sion Daffodils, the best selling double yellow narcissus on the market; sells at sight; 3 double nosed bulbs planted in one pot. 5, 5½ to 6-in. pots, $2.00 to $2.50 per doz. pots. 10,000 now reany.

Ipomea Noctiflora, or pure white Moonflower, very fragrant, and big as a sancer. On this variety we have a world-wide reputation as a grower and shipper for the last twenty years. Price; 2½-in. pots, $5.00 per 100.

Begonia Improved Erfordii, 4-in. pots, very large, $2.00 per doz.; 5¼-in., in bloom and bud, 25c each, or $3.00 per doz. **Begonia Flambeau,** 5½-in. pots, sells on sight, 25c.

If you would know the fairest sight your eyes can ever see,
Where the most perfect plants are grown, to Aschmann's come with me.
Why, ne'er since flowers began to bloom was such a glorious show
Of all the best that florists need found in one place to grow.
The Lilies are the very best yet seen on Easter day;
Azaleas are whole sheets of flowers, perfect in every way;
The Araucarias matchless are, so are the Ferns all green,
With Bulbs and Plumed Spirea, the best you've ever seen.
And Aschmann gives a challenge, let every florist hear;
For flowers, or prices either, no rival does he fear.
If you wish to gather dollars like violets in the spring,
Then send your largest order, his plants the cash will bring.

Ficus Elastica or **Rubber Plant,** home grown and Belgium stock, 5, 5½, 6 and 7 in. pots, 30c, 35c, 50c, 60c and 75c each.

Cyclamen Grandiflora, 4-in., in bud and bloom, 20c.

Hydrangea Otaksa, 6 to 7 in. pots, in bud, 35c, 50c, 75c and $1.00 each; right for Easter.

Spirea Gladstone. 6 to 7-in. pots, large stock, right for Easter, in bud now, 50c to 75c; specimen, $1.00.

Dracena Bruanti, from Belgium, full of green foliage from bottom to top, 6-in. pots, 22 to 25 in. high, 40c each

Cineraria Hyb., finest strain in the market, 5-in., 20c each; 6-in., $3.00, $4 00 to $5.00 per doz.

Kentia Belmoreana and **Forsteriana,** Belgium and home-grown stock, 4-in. pots, 18 to 20 in. high, 35c; 5¼, 5½ and 6 in. pots, bushy plants, 50c, 60c and 75c each.

Latania Borbonica, 5-in., 30c.

Hybrid Roses and **Hermosa,** best budded stock, 5½ to 6-in. pots, 2 to 3½ feet high, 50c.

White Daisies (or Marguerites), 5½-in. pots, 25c.

EASTER LILIES, Japan Multiflorum, of our own importation, raised from special 10-in. bulbs, 6-in. pots, right for Easter. This year I can say we have the finest lot we ever had. Have about 5,000 to offer. Please send your order in time this year, as we have such a big demand every year for Lilies that some cannot be supplied. They are 15 to 40 inches in height, and we can meet all wants if ordered before supply runs out. Prices as usual. Plants above 5 buds, 10c; plants under 5 buds, 12c per bud. (Medium height).

On account of the cultivation of lilies being no more profitable, kindly order some other plants also in connection with lilies.

Have **Azaleas** White Deutsche Perle and Vervæneana now in bloom if wanted, 60c, 75c to $1.00 each.

We Print No Catalogue. These are our lowest prices to all. Strictly no references will be investigated in busy season.

All goods must travel at purchaser's risk only.

Cash with order, please. To save express charges, please mention if in or out of pots.

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Importer, Wholesale Grower and Shipper of Pot Plants.

Orchids

The largest importation of Orchids ever received in this country will arrive next spring from Brazil, Venezuela and Colombia. If you intend putting in a stock wait for these to arrive and we will quote you the lowest prices in America.

ORDONEZ BROS.

Madison, N. J.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World.

SANDER, St. Albans, England.

NEW YORK OFFICE: Room 1, 235 Broadway. **T. MELLSTROM** Agent.

ORCHIDS. Advices from our Columbian, Venezuelan, Brazilian collectors inform us they are shipping elegant lots of goods; these will reach us April and May. If you need any write us at once; we will treat you well.

CARRILLO & BALDWIN,
Orchid Growers and Importers.
SECAUCUS, NEW JERSEY.

Imported Orchids

JUST TO HAND. Lælia Purpurata, Cattleya Intermedia, Cattleya Mossiæ.

JULIUS ROEHRS CO.,
The Orchid Nurseries, RUTHERFORD, N. J.

Orchids!

Orders booked now for delivery 1908 of all the leading kinds of Orchids at greatly reduced prices. We have also just received the following: Oncidium tigrinum, O. sarcodes, O. Forbesii, Sophronitis grandiflora and coccinea. Write us.

Lager & Hurrell, Summit, N. J.

Columbus, O.

MARKET GLUTTED.

The weather here continues very warm and the market is glutted with stock of every description. Bulbous stock and lilies are coming in very fast and some apprehension is felt in regard to holding them back for Easter. Plant trade is picking up in fine shape, both inexpensive and high grade stock selling readily.

NOTES.

Mrs. Gus Ackerman, wife of a north side grower, was buried Friday, March 27. Mrs. Ackerman had been ill since last June. The Florists' Club sent a beautiful wreath as an expression of sympathy.

J. R. Hellenthal has a very large stock of very fine lilies, hydrangeas, Baby and Crimson Rambler roses and a splendid lot of hybrids, which would be hard to duplicate. H.

Albany, N. Y.

The senate and assembly on the occasion of the funeral of State Senator Stanislaus P. Franchot at Niagara Falls, March 27, contributed two handsome floral designs. The senate sent a six-foot cross of Richmond roses and White Lawson carnations. The assembly sent a five-foot wreath of Killarney roses. Both pieces were the work of Eyres, who sent one of his decorators to the home of the deceased, 280 Buffalo avenue, Niagara Falls, to look after the pieces. The funeral was attended by delegations from the senate and assembly and by Governor Hughes.

Judge Walter Lloyd Smith of the third appellate division, on the evening of March 21 gave an elaborate dinner at the Ten Eyck to a number of his associates. The floral decorations were carried out by Daniel Whittle and included a fountain with aquatic plants around which the tables seating 26 guests were arranged. On the tables were four large oval baskets of Bridesmaid roses. Buttonhole bouquets of lily of the valley and violets were distributed to each guest. R. D.

GERANIUMS.

A splendid stock of fine plants from 2-in. pots, good standard sorts and new varieties at $2.00 per 100 and up to $1.00 each. We will send 1000 in 20 good varieties our selection for $18.50. Our Special descriptive Geranium catalogue describing over 250 varieties of Geraniums and Pelargoniums mailed free to the trade.

PELARGONIUMS, In good variety, strong plants from 3-in. pots, $1.50 per doz., $6.00 per 100

HARDY CHRYSANTHEMUMS

Our collection of Hardy Chrysanthemums will compare favorably with any in the country, and we have an immense stock ready for shipment. Small flowered or Button varieties $2.00 per 100; large flowered or Aster type $3.00 per 100. Descriptions will be found in our wholesale list.

DAHLIA ROOTS. We still have about 75 varieties we can offer Cactus, Decorative, Show and Pompon true to name at $5.00 per 100 and up for whole field grown clumps. One thousand, 50 each of 20 varieties our selection, for $40.00 all good kinds a splendid collection for planting or just the thing for store trade.

	Per 100
Alyssum, Giant double	2.00
Ageratum, Stella Gurney	2.00
Begonia, Vernon White and Rose	2.00
" Gracilis White and Rose	2.00
Cuphea, Cigar plant	2.00
Coleus, Verschaffeltii, Golden Bedder, and other kinds	2.00
Caladium Esculentum, first size	2.00
Second size	1.00
Fuchsias, Black Prince and Minnesota	2.00
Lieutenant Muritz, White and Rose Phenomenal	2.50
Hardy English Ivy, extra strong	2.00
	$15.00 per 1000
Nymphea Odorata Gigantea, Water lily	3.50

	Per 100
Hardy Phlox,	2.00
Hollyhocks, strong 3-in. pot plants, dbl. white, pink, red and yellow	$3.00
Ivy Leaved Geraniums, 6 good kinds	
$25.00 per 1000	$3.00
Lobelia, Crystal Palace Gem	2.00
Lantanas, 5 varieties	2.00
Lavender, 2½-in. pots, strong	3.00
Panicum, Variegated, handsome basket plants	2.00
Swainsona alba	2.00
Salvia, Bonfire and Splendens	2.00
Tradescantia, dark variegated	2.00
Verbena red, white purple and pink	2.00
Rubber Plants, Ficus elastica, per doz	2.00

Visitors always welcome. Cash with order.

R. Vincent, Jr. & Sons Co., WHITE MARSH, Balto Co., MD.

Geraniums.

Strong well rooted

S. A. Nutt Cuttings

from 2-in. pots, $18.00 per 1000;
Cash must accompany all orders.

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Belgian Plants

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

LOUIS VAN HOUTTE, PERE,
GHENT, BELGIUM.

6,000 Geraniums Left.

2-inch.....$15.00 per 1000
2½ inch..... 18.00 per 1000

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WILLIAM SIM, Cliftondale, Mass.

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A good time to get stock for early planting **Princess of Wales,** the very best single violet to-day well rooted runners and divisions $1.00 per 100; $8.00 per 1000; 2 000 for $15.00.

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ROOTED CUTTINGS. Prepaid per 100. Heliotrope German Ivy, 75c; Alternanthera 50c; Coleus. Ageratum, 60c; Salvia 85c. Fuchsia $1.00. Seedling **Verbena,** Mammoth mixed 35c per 100, prepaid. Cash. Special price on 1000. List Free.

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Asparagus Plumosus, 2-in., $3.00 per 100; 3-in., $5.00 per 100.
Boston Ferns, 5-in., 30c each.
Vinca Var., 2-inch, $2.00 per 100.
Dracena Indivisa, 2-in. $3.00 per 100.
Gladiolus Bulbs, light colors, $1.00 per 100.
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Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the express companies properly packed in good order.

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A fine, free flowering fringed pink double Petunia. Flowers measuring 3 inches across; a most valuable acquisition, with no "fancy" price attached.

ROOTED CUTTINGS,
$2.50 per 100; $20.00 per 1000; 500 at 1000 rates.

Stock grown at and sent from Pittsfield, Mass.

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2¼-inch.....$ 5.00 per 100
3½-inch..... 25.00 per 100

Boston Ferns 2¼-inch, $3.00 per 100.

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Pot Lilies for Easter

2 to 3 buds, 12c each; 4 to 8 buds, 10c each; violet pans, 20c each. Send for price list for Easter plants and cut flowers.

Crabb & Hunter Floral Co. GRAND RAPIDS, MICH.

SPECIAL ON

Hydrangeas for Easter

6-, 7-, 8- and 9-in. pots, running from 4 to 15 heads. Write us about these or any other Easter stock you may want.

GEO. A. KUHL. PEKIN, ILL.

Rooted Cuttings

	Per 100	Per 1000
Coleus, plenty of variety	$ .70	$ 6.00
Heliotrope, Salvias,	1.00	8.00
Petunias, double	1.25	10.00
Alyssum, double	1.00	8.00
Ageratums,	.60	5.00
Pelargoniums,	2.50	

Everything named. Express paid. Cash with order

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Will plants whose roots come in contact with iron rust be in any way injured? C. A. M.

In the ordinary way, where plants send their roots to an iron support on a bench or otherwise, no harm will accrue to them. The roots, in fact, would not go where there was a dangerous amount of iron rust while, to some extent, the iron may be of a slight value to them. But a superabundance of iron rust, such as would occur were iron filings mixed with soil or thrown in quantity on a bench, would undoubtedly be injurious.

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Dahlias. (Field-grown roots.) Wm. Agnew, Countess of Lonsdale, Nymphæa, Mrs. Wellesley, Admiral Dewey, A. D. Livoni and Fern Leaf Beauty.....$5.00 per 100
Grand Duke Alexis and Kriemhilde..... 7.00 per 100
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2½-inch.....$4.00 per 100
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2½-inch pots.....$ 9.00 per 100	Clean, Cool-grown, Extra Value.
2½-inch pots,... 80.00 per 1000	
3 inch pots..... 14.00 per 100	
4 inch pots..... 30.00 per 100	
5-inch pots..... 50.00 per 100	

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Caladium Esculentum 5 to 7 inch $2.00, 7 to 9 inch $3.00, 9 to 11 inch $6.00.
Violets. Princess of Wales, thrifty plants from 2½-in. pots.....$3.00 per 100
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Pandanus Utilis. Fine young stock for immediate sale or growing on.
2½-inch.....$ 6.00 per 100
3-inch.....$8.00 per 100 4 inch..... 12.00 per 100
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Standard Geraniums, our choice of varieties, in pink, red and white.....$2.00 per 100

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Beaute Poitevine, Crimson Bedder, Egandale, Florence Vaughan, Papa Nardy.....
.....$3.00 per 100; $25.00 per 1000
King Humbert.....$10.00 per 100

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Pansies from choice seed; fall seedling and transplanted.
100,000 **Horseradish** Sets.

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Sprengeri, 2-in. 2c **Swainsona alba**, 2-in., 2c, **Heliotrope**, 2 in. 2c. **Feverfew**, 2-in. 2c. **Coleus**, 2-in. 2c. **White Ageratum**, 2½-in. 2c. **Feverfew**, nice young plants, 75c per 100, single **Hollyhock**, field, $2.50 per 100. 2 in. **Stock** 2c. Stock **Princess Alice, Cuphea, Impatiens, Alternanthera**, red and yellow, **Rose Geraniums, Vinca Variegata, Fuchsia, Artillery Plant**, 2-in. 2c. **Asters**, earliest 3 colors 40c per 100 **Forget-me-nots** and **Double Daisies**, $2.50 per 1000.

Rooted Cuttings prepaid per 100: **Flowering Begonias**, $1.25 per 100; **Paris Daisies**, yellow and white, $1.00 per 100; Alexandra $1.25; **Petunia**, double, 10 kinds $1.00; **Swainsona Alba**, $1.00, **Cuphea**, 75c. **Heliotrope**, 3 kinds $1.00, **Fuchsia**, 5 kinds, $1.25. **Vinca Variegata**, 90c. **Alternanthera**, 3 kinds, 50c. **Coleus**, 10 kinds, **Ageratum**, White. Inimitable, 60c. **Alyssum**, dbl., 75c **Salvia**, Bonfire, 90c. **Feverfew**, Gem, $1.00. **Parlor Ivy**, 75c. **Impatiens**, 3 kinds, $1.00.

Cash or C. O. D.

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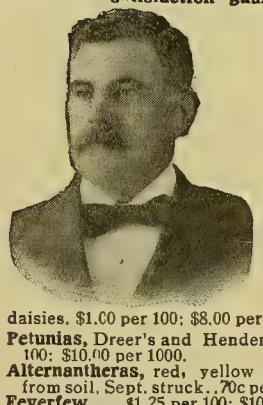
Express Prepaid on all Rooted Cuttings and satisfaction guaranteed.



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Vincas Variegated, $1.25 per 100; $10.00 per 1000

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Strong rooted cuttings, red and yellow, 50c per 100, or $4.00 per 1000. **Brilliantissima** 60c per 100, or $5.00 per 1000.

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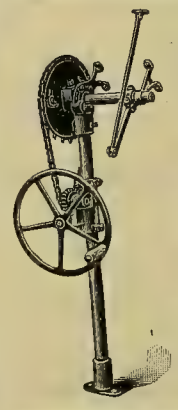

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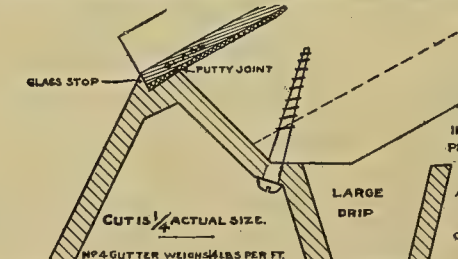

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Ageratums, R. C., White Inimitable, 60c; white, 2½-in., 2c. Byer Bros., Chambersburg, Pa.

Ageratums, 60c per 100. Shippensburg (Pa.) Floral Co.

Ageratums, 60c per 100; $5 per 1,000. S. D. Brant, Clay Center, Kans.

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Alternantheras, R. C., red, and yellow, 50c per 100; $4 per 1,000. Brilliantissima, 60c per 100; $5 per 1,000. Davis Bros., Morrison, Ill.

Alternantheras, 4 kinds, strong plants, R. C., 2¼-in., $5 and $18 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Alternantheras, 3 kinds, 50c. Byer Bros., Chambersburg, Pa.

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Alyssum, giant and dwarf, R. C., $1; 2¼-in., $2.25 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

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Ampelopsis Veitchii, strong, well rooted plants, 20 to 30-in. tops, well graded, $2.50 per 100; $20 per 1,000; 1-year-old for transplanting; 12 to 24-inch, $1.50 per 100; $12 per 1,000; 2,000 for $20. For sample send 25c, which will be credited on the first order. Charles Black, Hightstown, N. J.

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Water hyacinths, $2 per 100; $10 per 1,000, also Fish grasses or any other water plants. B. M. Wichers & Co., Gretna, La.

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Araucarias, robusta compacta, 7-in., 5 trs., 27 to 30 ins., $2 to $2.50 each. Excelsa glauca, 7-in., 30 to 40 ins., 4 to 6 trs., $1.50 to $3 each. Excelsa, 6-in., 4 to 6 trs., 20 to 25 ins., 75c to $1; 5¼-in., 3 to 4 trs., 7 to 14 ins., 40c to 50c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Araucarias. L. Van Houtte, Ghent, Belgium.

ASPARAGUS.

Asparagus plumosus, 2½-in., $3.50 per 100; $30 per 1,000; 3-in., 6c; 3½-in., 10c; 4-in., 12c; 5-in., 20c; 6-in., 30c. Comorensis, 2-in., 2c; 2½-in., 3c; 3½-in., 6c. Sprengeri, 2½-in., 3c; 3½-in., 8c; 4-in., 10c. J. W. Dunford, Clayton, Mo.

Asparagus plumosus, 4½-in., $1.50 per doz.; $12 per 100; 5-in., 3 in. pot, $3 per doz.; $20 per 100; 6-in., 3 in. pot, $6 per doz. Sprengeri, 4½-in., $1.50 per doz.; $12 per 100. Frank Oechslin, 2572 W. Adams St., Chicago.

Asparagus plumosus ready for 3-in., $30 per 1,000. Sprengeri, $15 per 1,000. A. M. Herr, Lancaster, Pa.

Asparagus plumosus, 2-in., $2.75 per 100; $25 per 1,000; seedlings, $1.25 per 100; $9 per 1,000. Wm. F. Kasting Co., Buffalo, N. Y., or Erie Floral Co., Erie, Pa.

Asparagus plumosus, 3-in., $7 per 100; $60 per 1,000; 2¼-in., $4 per 100; $35 per 1,000. Robt. Craig Co., Market and 49th Sts., Phila.

Asparagus plumosus, extra strong, 2¼-in., 3-in., 4-in., 5-in., $3, $5, $8 and $10 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Asparagus plumosus, 6-in., for benching, $15 per 100; $125 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Asparagus plumosus, 4-in., $10 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus plumosus, $2 per 100; Sprengeri, $2 per 100. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, seedlings, from flats, $10 per 1,000. A. N. Pierson, Cromwell, Conn.

Asparagus Sprengeri, 2¼-in., extra strong plants ready to shift into 3½-in., $2.50 per 100. The Perennial Gardens Co., Toledo, O.

Asparagus Sprengeri, 3-in., 4c. Plumosus nanus, 3-in., 4c. J. D. Thompson Carnation Co., Joliet, Ill.

Asparagus Sprengeri, 2-in., 2c. Byer Bros., Chambersburg, Pa.

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Azaleas, Mme. Van der Cruyssen, Simon, Mardner, Vervæneana, Bernard Andreas alba, Niobe, Deutsche, Perle, Empress of India, Prof. Wolters, etc., 6 to 7-in., 60c to $2 each. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Azalea mollis, full of buds, 50c each; $4.50 per doz. Vaughan's Seed Store, Chicago and New York.

Azaleas. J. W. Dunford, Clayton, Mo.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

Azaleas. Jacs Smits, Ltd., Naarden, Holland.

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Bay trees. L. Van Houtte, Pere, Ghent, Belgium.

Bay trees. W. & T. Smith Co., Geneva, N. Y.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

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Begonia, improved Erfordii, 4-in., $2 per doz.; 5¼-in., in bloom, 25c each. Flambeau, 5½-in., 25c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Begonias, Marjorie Daw, Thurstoni, Metallica, Rubra and Argentea Guttata, $4 per 100. Storrs & Harrison Co., Painesville, O.

Rex begonias, $5 per 100; $45 per 1,000. Dingee & Conard Co., West Grove, Pa.

Begonias, flowering, R. C., $1.25 per 100. Byer Bros., Chambersburg, Pa.

Begonia Gloire de Lorraine, 2¼-in., $15 per 100; $140 per 1,000. Wm. F. Kasting, Buffalo.

Begonias, L. Van Houtte, Pere, Ghent, Belgium.

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Bougainvillea glabra Sanderiana, 2½-in., $4 per 100. Storrs & Harrison Co., Painesville,

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Boxwood; Jacs Smits, Ltd., Naarden, Holland.

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Bulbs, tuberoses, true dwarf Excelsior strain, 1st size, $1 per 100; $9 per 1,000. Begonias, tuberous rooted, single white, yellow, scarlet and pink, 35c per doz.; $2.50 per 100; double, 60c per doz.; $4.50 per 100. Winterson's Seed Store, 45 Wabash Ave., Chicago.

Bulbs, tuberoses, true dwarf Excelsior strain, $1 per 100; $9 per 1,000. Begonias, tuberous rooted, single white, yellow, scarlet, pink, 35c per doz.; $2.50 per 100; double, same colors, 60c per doz.; $4.50 per 100. Vaughan's Seed Store, Chicago and New York.

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Bulbs, hyacinths, single, King of the Blues, Czar Peter, Norma, etc., $3 per 100; mixed, $2 per 100; double: Goethe, Lord Raglan, Pure d'Or, Bloksberg, etc., $3 per 100; Crocus, named, $3 per 1,000; mixed yellow; mixed purple, $2.50 per 1,000. Dingee & Conard Co., West Grove, Pa.

Bulbs, hyacinths, tulips and narcissus. W. J. Eldering & Son, Overveen, Haarlem, Holland.

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Caladium esculentum, 5-7 ins., $2; 7-9, $ 9-11, $6. Storrs & Harrison Co., Painesville, O.

Caladium esculentum. 1st size, $2 per 100; 2nd size, $1. R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Cannas, Rosea Gigantea, strong plants, $2 each, prepaid; $18 per doz. Gladio-Flora, $2 each, prepaid; $18 per doz. Meteor, plants or dormant roots, 75c each, prepaid; $6 per doz. William Saunders, plants, 60c each, prepaid; $5 per doz.; $35 per 100. Conard & Jones Co., West Grove, Pa.

Cannas, 2 and 3-eye divisions, Allemania, Austria, Chas. Henderson, Fair Hope, Progression, Shenandoah, $2 per 100; $17 per 1,000. Beaute Poitevine, Crimson Bedder, Egandale, F. Vaughan, Papa Nardy, $3 per 100; $25 per 1,000. King Humbert, $10 per 100. Storrs & Harrison Co., Painesville, O.

Cannas, Black Beauty, Egandale, Antoine Bouvier, Burbank, Kate Gray, $3 per 100. Buffalo Cut Flower Co., 468 Washington St., Buffalo, N. Y.

Cannas. J. M. Thorburn & Co., 33 Barclay St., New York.

Cannas, leading vars., $10 per 1,000 up. Dingee & Conard Co., West Grove, Pa.

Cannas, Chas. Henderson, $2 per 100. Jos. H. Cunningham, Delaware, O.

CARNATIONS.

Carnations, rooted outtings, Afterglow, Andrew Carnegie, Defiance, Sarah Hill, Winona, $12 per 100; $100 per 1,000. White Enchantress, $6 per 100; $55 per 1,000. Lady Bountiful, Victory, Robt. Craig, Enchantress, $3 per 100; $25 per 1,000. Aristocrat, Winsor, $6 per 100; $45 per 1,000. Red Chief, Red Riding Hood, $5 per 100; $40 per 1,000. Pink Patten, Mrs. Patten, $2.50 per 100, $20 per 1,000. Mrs. T. W. Lawson, Prosperity, $2 per 100; $15 per 1,000. Rose Pink Enchantress, $4 per 100; $30 per 1,000. Vaughan's Seed Store, Chicago and New York.

CARNATIONS.

	100	1,000
Enchantress	$2.50	$20.00
Lawson	2.00	15.00
Robt. Craig	2.50	20.00
W. Cloud	1.50	10.00
W. Lawson	2.00	15.00
Nelson Fisher	2.50	20.00

WIETOR BROS., 51 Wabash Ave., Chicago.

Carnations, White Perfection, Rose Pink Enchantress, Victory, Robt. Craig, $3 per 100; $25 per 1,000. White Enchantress, $6 per 100. Enchantress, $2 per 100; $15 per 1,000. Lawson, $1.75 per 100; $15 per 1,000. Helen Goddard, $2.50 per 100. Aristocrat, $5 per 100. Beacon, $6 per 100; $45 per 1,000. Harlowarden, $1.75 per 100; $15 per 1,000. Eli Cross, Grand Rapids, Mich.

If you do not find what you need in our Ready Reference Department, write us about it.

Carnations, Lawson, $1.50 per 100; $12.50 per 1,000. Winsor, $5 per 100; $40 per 1,000. Rose Pink Enchantress, $3 per 100; $25 per 1,000. Enchantress, White Lawson, Lady Bountiful, $2 per 100; $15 per 1,000. B. Market, $1.25 per 100; $10 per 1,000. Beacon, $5 per 100; $40 per 1,000. Robt. Craig, $2.50 per 100; $20 per 1,000. Cardinal, $2 per 100; $17.50 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Carnations. Fine plants from soil, topped and breaks started. Winsor, $50 per 1,000. White Lawson, $20 per 1,000. Rooted cuttings ready, per 1,000: White Enchantress, $45. Red Nelson Fisher, $45. Beacon, $45. Aristocrat, $45. Rose Pink Enchantress, $25. White Perfection, $25. Winsor, $40. A. C. Canfield, Springfield, Ill.

Carnations, Winsor, Helen Gould, Beacon, $6 per 100; $50 per 1,000. White Enchantress, $7 per 100; $60 per 1,000. Melody, Victory, $4 per 100. Enchantress, Lady Bountiful, Red Lawson, V. Lawson, W. Lawson, Daheim, $3 per 100; $25 per 1,000. Mrs. Lawson, B. Market, $2 per 100; $15 per 1,000. Wood Bros., Fishkill, N. Y.

Carnations. White Lawson, Pink Lawson, R. C., $2 per 100; $20 per 1,000. Var. Lawson, R. C., $2.20 per 100; $20 per 1,000. Victory, Rose Pink Enchantress, Enchantress, R. C., $3 per 100; $25 per 1,000. Winsor, White Enchantress, Aristocrat, R. C., $5 per 100; $45 per 1,000. White Perfection, R. C., $4 per 100; $35 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Carnations; Enchantress, $1.75 per 100; $15 per 1,000. Mrs. T. W. Lawson, Boston Market, $1.50 per 100; $12 per 1,000. Rose Pink Enchantress, white Perfection. $3 per 100; $25 per 1,000. White Enchantress, Winsor, Beacon, Aristocrat, $6 per 100; $50 per 1,000. Harlowarden, $1.50 per 100; $12.50 per 1,000. A. F. Longren, Des Plaines, Ill.

Carnations, Winona, $12 per 100; $100 per 1,000. Red Chief, $5 per 100; $40 per 1,000. Aristocrat, Winsor, Beacon, $6 per 100; $50 per 1,000. White Perfection, Rose Pink Enchantress, Enchantress, Lady Bountiful, $3 per 100; $25 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

Carnations. Winsor, Aristocrat, $6 per 100; $50 per 1,000. Victory, $3 per 100; $25 per 1,000. Enchantress, $2 per 100; $20 per 1,000. Lawson, $1.75 per 100; $15 per 1,000. White Lawson, $2 per 100; $18 per 1,000. E. T. Wanzer, Wheaton, Ill.

Carnations, Enchantress, Lady Bountiful, $2.50 per 100; $20 per 1,000. Rose Pink Enchantress, $3 per 100; $25 per 1,000. White Perfection, $4 per 100; $35 per 1,000. Queen, $2 per 100; $15 per 1,000. Bassett & Washburn, 76 Wabash Ave., Chicago.

Carnations, Winsor, $6 per 100; $50 per 1,000. Rose Pink Enchantress, $3.50 per 100; $30 per 1,000. Enchantress, Queen Louise, $2.50 per 100; $20 per 1,000; from 2¼-in., add $1 per 100. White Enchantress, 3-in., $7 per 100; $60 per 1,000. A. N. Pierson, Cromwell, Conn.

Carnations, April 14: Winsor, Beacon, $40 per 1,000. Pink Imperial, Aristocrat, $30 per 1,000. Enchantress, J. Haines, $12.50 per 1,000. White Perfection, $20 per 1,000. Pink Patten, $10 per 1,000. Victory, $20 per 1,000. A. M. Herr, Lancaster, Pa.

Carnations, Enchantress, $3 per 100; $25 per 1,000. Rose Pink Enchantress, $3.50 per 100; $30 per 1,000. Robert Craig, $3 per 100; $25 per 1,000. Vesper, $2.50 per 100; $20 per 1,000. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Carnations. Beacon, Winsor, $6 per 100; $50 per 1,000. White Perfection, Rose Enchantress, $4 per 100; $35 per 1,000. Enchantress, $3 per 100; $25 per 1,000. Peter Fisher, Ellis, Mass.

Carnations, Pure White Enchantress, strong healthy, well rooted cuttings $6 per 100; $50 per 1,000. Satisfaction guaranteed. A. J. Stahelin, Redford, Mich.

Carnations, Aristocrat, Winsor, $5 per 100; W. Perfection, $2.75; Enchantress, Lady Bountiful, $2; Victory, $2.75; Rose Pink Enchantress, $2.75. Perennial Gardens Co., Toledo, O.

Carnations, Victory, Imperial, Pink Imperial, Aristocrat, Winsor, Welcome, White Perfection, Lieut. Peary, Rose Pink Enchantress, Guttman & Weber, 42 W. 28th St., New York.

Carnations, John E. Haines, Imperial and Pink Imperial, Enchantress, $6 per 100; $50 per 1,000. John E. Haines, Bethlehem, Pa.

Carnation White Enchantress, $6 per 100; $50 per 1,000. Jensen & Dekema, 674 W. Foster Ave., Chicago.

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Carnations, rooted cuttings, Fair Maid, Queen, $1 per 100; $8 per 1,000. Napoleon Lemay, 325 Hillman St., New Bedford, Mass.

Carnations, 4,000 extra fine Winsor, 2½-in., $6 per 100; $50 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Carnation Afterglow, $2 per doz.; $12 per 100; $100 per 1,000. R. Witterstaetter, Sta. F., Cincinnati, O.

Carnations, Enchantress, $2 per 100; $18 per 1,000. Pettit & Sharpnack, Salem, O.

Carnation Beacon, R. C. W. W. Coles, Kokomo, Ind.

Carnations. E. G. Hill Co., Richmond, Ind.

CHRYSANTHEMUMS.

Chrysanthemums, Virginia Poehlmann, Angele Laurent, Golden Dome, Mlle. Jeanne Rosette, Money Maker, 2¼-in., $2 per doz.; $10 per 100. Mrs. Clay Frick, Zimmers Yellow, Mary Mann, 2¼-in., $1 per doz.; $6 per 100; R. C., $5 per 100. Pompons, Klondyke, Quinola, choice single vars., Kitty Bourne, Mrs. Roberts. Amorita, 2¼-in., $1 per doz. Standard varieties: Kalb, Polly Rose, Early Snow, Oct. Frost, C. Touset, White Shaw, Robinson, Beatrice May, Merza, Niveus, Queen, Byron, Eureka. Wanamaker, Adelia, Mrs. McArthur, T. Eaton, Chadwick, Merry Christmas, Glory of Pacific, Rosiere, Shaw, Balfour, Duckham, Enguehard, M. F. Plant, Maud Dean, The Harriott, Mayor Weaver, Mrs. J. Marshall, Monrovia, G. Pitcher, Appleton, Bonnaffon, Golden Wedding, H. W. Rieman, Yellow Eaton, Cullingfordi, Merstham Red, Matchless, Mrs. Duckham, Old Gold. Pompons: Baby, Lula, Briolas, 2¼-in., 5c each; 50c per doz.; $3 per 100; $25 per 1,000; R. C., $2 per 100; $15 per 1,000. A. N. Pierson, Cromwell, Conn.

Chrysanthemums, Beatrice May, R. C., $4 plants, $6 per 100. C. Touset, Ivory, Mme. Castellier, A. Byron, Opah, Oct. Frost, Polly Rose, Geo. S. Kalb, Amorita, Pacific, Rosiere, Carrie, Monrovia, Arline, M. Wanamaker, Mrs. Robinson, Mrs. Buckbee, Niveus, T. Eaton, Mrs. Swinburne, Dr. Enguehard, Mayor Weaver, Wm. Duckham, Appleton, Bonnaffon, Roi d'Italia, Yel. Eaton, T. Carrington, Nounier, W. H. Lincoln, Maud Dean, Brighthurst, Mrs. Murdock, R. C., $2; plants, $3 per 100. Pres. Loubet, Mrs. A. T. Miller, Dakoma, Crocus, R. C., $4; plants, $6 per 100. Alice Roosevelt, Silver Wedding, Fidelity, Comoleta, M. Liger, V. Morel, Golden Wedding, Sunburst, Golden Chadwick, Ialene, Jno. Burton, J. Nonin, W. H. Chadwick, Yanoma, Red Intensity, R. C., $3; plants $4 per 100. Pres. Roosevelt, R. C., $8; plants, $10. Winnefred, R. C., $6; plants, $8. Jeanne Rosette, R. C., $8; plants, $10. Elmer D. Smith & Co., Adrian, Mich.

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Estelle	2.00	Monogram	$2.00
Polly Rose	2.00	Lady Hariett	3.00
Robinson	2.00	Balfour	2.50
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Intensity	2.00	Y. Eaton	3.00

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Chrysanthemums, rooted cuttings: White, Timothy Eaton, Mrs. Geo. S. Kalb, fine early; Estelle, White Bonnaffon, Alice Byron, Ivory, C. Touset, Jeannie Nonin, October Frost, Pink: Glory of the Pacific, Mary Mann, Dr. Enguehard, Maud Dean, Rosiere. Yellow: Major Bonnaffon, Yellow Eaton, Cremo, Robt. Halliday. Yellow Jones "Baby" small yellow, $2 per 100; $15 per 1,000. Cash with order. Wm. Swayne, P. O. Box 226, Kennett Square, Pa.

Chrysanthemums. The following are the very best and surest varieties for the southern commercial florist: White and Yellow Robinson, White and Yellow Jones, White and Yellow Eaton, White and Yellow Chadwick, Touset, Ivory, White Bonnaffon, Golden Gate, Appleton and Nonin. We can supply these for May delivery or early June planting, established pot plants, at $2 per 100. Chatogue Greenhouses, Mobile, Ala.

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Chrysanthemums, Monrovia, Oct. Sunshine, F. A. Cobbold, Mrs. Pockett, Col. Appleton, Nellie Pockett, Cheltoni, Lady Hopetoun, White Coombes, Ben Wells, etc., $3 per 100; $25 per 1,000; 2¼-in. Chas. H. Totty, Madison, N. J.

Chrysanthemums, 2-in., William Simpson, Glory of Pacific, Polly Rose, Monrovia, Omega, $2.50 per 100; Rosiere, $3 per 100. Storrs & Harrison Co., Painesville, O.

Chrysanthemums, Chadwick, Golden Chadwick, $2. White, Bonnaffon, October Frost, Estelle, Touset, Nonin, Bonnaffon, Oct. Sunshine, Monrovia, Enguehard, Glory of Pacific, $1.50 per 100. A. F. Longren, Des Plaines, Ill.

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Chrysanthemums, fine strong 2 and 2½-in. pot plants of Monrovia, October Frost, Rosiere, Touset, Alice Byron, Diana and Dr. Enguehard, $25 per 1,000. Cash with order or C. O. D. Gunnar Teilmann, Marion, Ind.

Chrysanthemums, R. C., October Frost, Monrovia, Rosiere, Maud Dean, $2 per 100; White Maud Dean, R. C., $3.50 per 100. L. E. Marquisee, Syracuse, N. Y.

Chrysanthemums, hardy, small flowered, $2 per 100; large flowered or aster type, $3 per 100. R. Vincent & Sons Co., White Marsh, Md.

Chrysanthemums, R. C., leading vars. $1, $1.50 and $2 per 100. Schmalzl & Hembreiker, Lincoln, Ill.

CINERARIAS.

Cineraria hybrida, 4-in., 10c; 5-in., 20c; 6-in., $3 to $5 per doz. G. Aschmann, 1012 W. Ontario St., Philadelphia.

COLEUS.

Coleus, Verschaffeltii, Golden Queen, Fire Brand, Lord Palmerston, Queen Victoria, Beckwith's Gem, R. C., 60c per 100; $5 per 1,000. Golden Bedder, Hero, Messey, Pearl of Orange, 75c per 100; $6 per 1,000. Fancy vars., 12 kinds, 75c per 100; $6 per 1,000. A. N. Pierson, Cromwell, Conn.

Coleus, Verschaffeltii, Golden Bedder, etc., $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Coleus, in standard varieties, 2¼-in., $2.25 per 100; $20 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Coleus, 10 varieties, 2-¼ in., $2 per 100. Jos. H. Cunningham, Delaware, O.

Coleus, R. C., 70c per 100; $6 per 1,000. S. D. Brant, Clay Center, Kans.

Coleus, 2-in., 2c. Byer Bros., Chamberb'g, Pa.

CUPHEAS.

Cupheas, 2 kinds, R. C., 75c. Byer Bros., Chambersburg, Pa.

Cupheas, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

CYCLAMENS.

Cyclamens, Craig's strain, twice transp., $4.50 per 100; $40 per 1,000. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Cyclamen grandi, 4-in., 20c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

DAHLIAS.

Dahlias, field-grown, Wm. Agnew, Countess of Lonsdale, Nymphæa, Mrs. Wellesley, Admiral Dewey, A. D. Livoni and Fern-Leaf Beauty, $5 per 100; Grand Duke Alexis and Kriemhilde, $7 per 100. Storrs & Harrison, Painesville, O.

Dahlias, 75 vars. in cactus, decorative, show and pompon, true to name, $5 per 100 up; 1,000, 50 each of 20 vars., our selection, $40. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Dahlias, novelties and standard varieties, true to name. A choice list of the best introductions. Send for catalogue of dahlias, hollyhocks, hardy plants. W. W. Wilmore, Box 382 Denver, Col.

Dahlias, 2½-in., $2 per 100, such sorts as C. W. Bruton, Mrs. Winters, Fire Rain, Frank Smith, Mrs. Roosevelt, Kremhilde, Countess of Lonsdale, Mme. Van der Dael. Memphis Floral Co., Memphis, Tenn.

Dahlias, strong field-grown roots, double mixed, 100, $2.25; named varieties, 100, $4. H. H. Kern, Bonner Springs, Kans.

Dahlias, all leading vars., $45 to $50 per 1,000. Dingee & Conard Co., West Grove, Pa.

Dahlias, leading varieties. David Herbert & Sons, Atco, N. J.

DAISIES.

Daisies, Shasta: Alaska and Burbank, undivided field clumps, $5 per 100; seedlings and transplanted, $1.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Shasta daisies, field-grown, 100, $2.50; 1,000, $20. H. H. Kern, Bonner Springs, Kans.

DEUTZIAS.

Deutzia gracilis, 7-in., 15c each; $1.50 per doz.; Lemoine, 7-in., 25c each; $2.50 per doz. Vaughan's Seed Store, Chicago and New York.

DRACENAS.

Dracæna, indivisa, 4-in., $2 per doz.; 5-in., $3 per doz. Strong plants. C. C. Pollworth Co., Milwaukee, Wis.

Dracæna indivisa, 5-in., $3 per doz.; $20 per 100. Frank Oechslin, 2572 W. Adams St. Chicago.

Dracæna indivisa, 2¼-in., $2; 3-in., $5 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Dracæna indivisa, 2-in., $3 per 100. Geo. M. Emmans, Newton, N. J.

If you do not find what you need in our Ready Reference Department, write us about it.

EASTER PLANTS.

Lilies for Easter, 2 to 3 buds, 12c each; 4 to 8 buds, 10c each. Violet pans, 20c each. Crabb & Hunter Floral Co., Grand Rapids, Mich.

Easter Lilies, Giganteum, 5 to 7 buds, 15c. Extra nice stock, just right to ship and come in for Easter. Memphis Floral Co., Memphis, Tenn.

EUONYMUS.

Euonymus radicans, 1, 1½-ft., $6; 2, 2½-ft., $8 per 100; bushy plants. Brae-Burn Nursery, West Newton, Mass.

FERNS.

Ferns for dishes, 6 vars., 2-in., $3 per 100; $25 per 1,000; 3-in., 75c per doz., $6 per 100 Boston 5-in., $3 per doz.; $25 per 100; 6-in., $6 per doz.; $50 per 100; 7-in., $9 per doz.; 8-in., $12 per doz. Whitmani, 8 and 9-in., $1.50 and $2 each. Anna Foster, for baskets, $2 each. Boston for baskets, 8-in., $1.25 each; 10-in., $2 each. Pteris Wimsetti and Ouvrardi, 4½-in., $2 per doz.; $15 per 100. Cyrtomium falcatum, 4½-in., $2 per doz.; $15 per 100; 5-in., $3 per doz.; $25 per 100; 6-in., $5 per doz. Frank Oechslin, 2572 W. Adams St. Chicago.

Ferns, Elegantissima, 2¼-in., $6 per 100; 3½-in., $15 per 100; 6-in., 50c each; 8-in., $1 and $1.50 each; 10-in., $2 each. Whitmani, 2¼-in., $6 per 100; 3½-in., $15 per 100; 6-in., 50c and 75c each; 8-in., $1.50 each; 10-in., $2 each. Scotti, 6-in., 50c each. Boston, 2¼-in., $4 per 100; 6-in., 50c each; 8-in., $1 each. Small ferns for pans, $4 per 100; $30 per 1,000. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, fine stock, Adiantum cuneatum, 5-in., $3 per doz. Cyrtomium falcatum, 3½-in., $6 per 100; 2¼-in., $3 per 100. Pteris Mayii, 3-in., $6 per 100. Pteris Cretica alba lineata, 3-in., $6 per 100; 2¼-in., $3 per 100. Pteris Wimsetti, improved, extra, 4-in., $10 per 100. Aspidium Tsussimense, 3-in., $6 per 100. All the above of exceptional value. Cash with order. L. Menand, Albany, N. Y.

Ferns, Boston, 8-in., $1.25 to $1.50 each; 7-in., $1; 6-in., 50c; 5 to 5½-in., 35c and 40c. Whitmani, 8-in., $1.50; 6-in., 50c. Scottii, 7-in., $1 to $1.25; 6-in., 50c; 5½-in., 40c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns, Whitmani, small from bench, $3 per 100; 2½-in. pots, $5 per 100; 3-in., $5 per 100; 4-in., $25 per 100; 6-in., $50 per 100; 8-in., $1.50 per 100. Full pots and perfect plants. B. M. Wichers & Co., Gretna, La.

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Ferns, Boston, 2½-in., 4c; 3-in., 8c; 4-in., 15c; 5-in., 25c; 6-in., 40c; 7-in., 65c; 8-in., $1 to $1.50; 10-in., $1.50 to $2. J. W. Dunford, Clayton, Mo.

Ferns, Whitmani, 2½-in. plants, sturdy and strong, $3.50 per 100; $30 per 1,000. Memphis Floral Co., 145 S. Main St., Memphis, Tenn.

Ferns, Whitmani, 2¼-in., $5 per 100; 3½-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Son, Whitman, Mass.

Ferns, Boston from bench, ready for 4-in., 6-in., and 8-in. pots, price $15, $25 and $35 per 100. Miami Floral Co., Dayton, O.

Ferns, Boston, 5-in., 30c each. Geo. M. Emmans, Newton, N. J.

Ferns, Scottii, Elegantissima, Whitmani, 2¼-in. W. W. Coles, Kokomo, Ind.

Ferns, 2½-in., $4 per 100; $30 per 1,000. Storrs & Harrison, Painesville, O.

FEVERFEW.

Feverfew, 2-in., $2 per 100. Mosæk Greenhouse Co., Onarga, Ill.

Feverfew, young plants, 75c per 100. Byer Bros., Chambersburg, Pa.

FICUS.

Ficus pandurata, in tubs, single stems, 6 ft., $7.50 each; branched, 5½ ft., $7.50 each. Robt. Craig Co., Market and 49th Sts., Phila.

Ficus elastica, 5 to 7-in., 30c to 75c each. G. Aschmann, 1012 W. Ontario St., Phila.

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Fuchsias, assorted, fine R. C., $1.50 per 100. L. E. Marquisee, Syracuse, N. Y.

Fuchsias, $1 per 100. Shippensburg (Pa.) Floral Co.

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Gentians, acaulis, verna; Edelweiss, 10 others plants,, $2 postpaid. English Home of Alpine Plants, South Pool, S. Devon, England.

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Geraniums, Jean Viaud, Heteranthe, A. H. Trego, M. De Castellane, Granville (pink single), in bud, 3-in., strong and bushy, $5 per 100; $40 per 1,000. Memphis Floral Co., Memphis, Tenn.

100,000 Geraniums ready for delivery. Forward your orders at once and we will supply you with strictly first-class stock of the following, Superb Bedders: S. A. Nutt (in quantity); Beaute Poitevine (salmon); Jean Viaud and Francis Perkins, (pink); Peter Henderson (scarlet); Mme Buchner (only double white); Large top cuttings, well rooted, strong enough for 2½ and 3-in., pots, $1.50 per 100; $14 per 1,000. Cash. The W. T. Buckley Co., Springfield, Ill.

Geraniums, Nutt, Doyle, Perkins, Ricard, Grant, La Favorite, R. C., $1.25; 2-in., $2; 3-in., $4 per 100. Trego, Viaud, Castellaine, Poitevine, Jaulin, R. C. $1.50; 2-in., $2.50; 3-in., $5 per 100. Geo. Emmans, Newton, N. J.

Geraniums, 2-in., standard sorts, and new vars., $2 per 100 up to $1 each; $1,000. 20 good vars., our selection. $18.50. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, Nutt, Perkins, Buchner, Doyle, $10 per 1,000. Viaud, Poitevine, Castellane, Ricard, $12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, R. C., S. A. Nutt, $12.50 per 1,000. Wm. Lanquith, $2.50 per 100. Sweet Scented, $2 per 100. L. E. Marquisee, Syracuse, N. Y.

Geraniums, standard, our choice of vars., in red, pink and white, $2 per 100. Storrs & Harrison Co., Painesville, O.

Geraniums, 10 vars., 2½ in., $3 per 100; $25 per 1,000; 3-in., $4 per 100. Jos H. Cunningham, Delaware, O.

Geraniums, leading varieties, extra strong 2½-in., $2.50 per 100; 4-in., strong, $7 per 100. E. R. Tauch, Marquette, Mich.

Geraniums, 6 varieties double, S. A. Nutt and others, 2½-in., $2.50 per 100; $22.50 per 1,000. The Krueger Bros. Co., Toledo, O.

Geraniums, S. A. Nutt, 2-in., $18 per 1,000. C. B. Knuth, 11801 St. Clair Ave., Cleveland, O.

Geraniums, 2-in., $15 per 1,000; 2½-in., $18 per 1,000. Schmaus Bros, Paducah, Ky.

The American Florist invites attention to the class of business firms in its adv. columns.

Geraniums, standard varieties, 2¼-in., $2.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

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Gladiolus, Princeps, medium, $9 per 100. Mrs. Francis King, $4 per 100; $30 per 1,000; America, $7.50 per 100; $60 per 1,000; Augusta, $2 per 100; $17 per 1,000. Brenchleyensis, $1.45 per 100; $12 per 1,000. Ceres, $1.45 per 100; $12.50 per 1,000. Mme. Moncret, $1.75 per 100; $15 per 1,000. May, $1.75 per 100; $15 per 1,000. "1900." $2.50 per 100. Shakespeare, $4.25 per 100; $38 per 1,000. Florist mixture, made from named light and white vars., $1.75 per 100; $15 per 1,000. Vaughan's Seed Store, Chicago and New York.

Gladiolus bulbs, over 15,000 bushels harvested. Groff's hybrid and other strains and named varieties of exceptional merit. Write for 1907 illustrated catalogue. Arthur Cowee, Gladiolus Specialist, Meadowvale Farm, Berlin, N. Y.

Bulbs, Gladiolus primulinus, $8 per doz.; $60 per 100. Primulinus hybrids, $3 per doz.; $20 per 100. J. M. Thoburn Co., 33 Barclay St., New York.

Gladiolus America, $6.50 per 100; $60 per 1,000. Write for prices on other stock. Cushman Gladiolus Co., Sylvania, O.

Gladiolus Lemoinei and Nanceianus. V. Lemoine & Son, Nancy, France.

Gladiolus, leading vars. E. E. Stewart, Rives Junction, Mich.

Gladiolus, Hyacinthus candicans, spotted callas, oxalis, cinnamon vine, German Iris, lilies. E. S. Miller, Wading River, N. Y.

GLOXINIAS.

Gloxinias. L. Van Houtte, Pere, Ghent, Belgium.

GREENS.

Greens, dagger and fancy ferns, $1.75 per 1,000. Bronze and green galax, $1.25 per 1,000. Leucothoe sprays, $1 per 100; $7.50 per 1,000. Sphagnum moss, per bale, $1.25. Boxwood bunches, 35c; 50 lbs., $7.50. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit.

Greens, bronze, galax, $8.50 per case of 10-000; green, $7.50. Dagger and fancy ferns, $1.50 per 1,000. Laurel festooning, boxwood, southern wild smilax, sphagnum moss and green moss, leucothoe sprays, etc. H. M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, laurel branches, long stems 2x2x4 ft. case, $2.50; short stems, large sack, $1. Green sheet moss, $1.25 per bbl.; green or dried sphagnum moss, $1 per bbbl: W. Z. Purnell, Snow Hill, Md.

Greens, cut palmetto and cycas leaves, galax, leucothoe, ferns, mosses, etc. Kervan Co., 113 W. 28th St., New York.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 53 W. 28th St., New York.

Greens, smilax, ferns, palm leaves, etc. John P. Scherer, Union Hill, N. J.

Greens, southern wild smilax. E. A. Beaven, Evergreen, Ala.

HARDY PERENNIALS.

Iris pallida dalmatica, a beautiful shade of lavender; the largest and most beautiful of all the German iris, perfectly hardy, and free flowering; one of the good things almost lost to horticulture, $12 per 100; $100 per 1,000. Cash with order. J. A. Peterson, McHenry Ave., Westwood, Cincinnati, O.

Hardy plants. Get our prices for field-grown stock. We have one of the finest assortments of undivided clumps, also in seedlings and transplanted. Ask for descriptive list. Mosbæk Greenhouse Co., Onarga, Ill.

Hardy perennials, anemone, aster, campanula, delphinium, funkia, hemerocallis, hepatica, incaryillea, iris, peony, phlox, primula, pyrethrum, tritoma. Royal Tottenham Nurseries, Ltd., Dedemsvaart, Holland.

HELIOTROPES.

Heliotrope, 4 of the best, R. C., $1; 2¼-in., $2.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Heliotrope, R. C., $1 per 100; $8 per 1,000. S. D. Brant, Clay Center, Kans.

Heliotropes, 3 kinds, R. C., $1 per 100; 2-in., 2c. Byer Bros., Chambersburg, Pa.

Heliotrope, R. C., 75c per 100; $6 per 1,000. A. N. Pierson, Cromwell, Conn.

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Hollyhocks, double in six separate colors. Also the Allegheny or Everblooing strain in mixed colors, field-grown plants, $3 per 100 for either strains, Dahlias and hardy plants. Catalogue. W. W. Wilmore, Box 382, Denver, Colo.

Hollyhocks, in separate colors 2¼-in., $2.25 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Hollyhocks, 3-in., double, white, pink, red, yellow, $3 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Hollyhocks, single, field-grown, $2.50 per 100. Byer Bros., Chambersburg, Pa.

HYDRANGEAS.

Hydrangeas, Otaksa and Thos. Hogg, 6-in., 3 to 4 flowering stems, $5 per doz.; $40 per 100; 7-in., 5 to 6 flowering stems, $8 per doz.; $75 per 100. Vaughan's Seed Store, Chicago and New York.

Hydrangea otaksa monstrosa, 4-in., $6 to $8 per 100; 5-in., $12 to $15 per 100; 10-in., very large, $1 each. All above are pot grown. From 6 to 7-in. pots, potted from open last Sept., $3 per doz.; $20 per 100. E. Fryer, Johnstown, Pa.

Hydrangea paniculata, 2 to 3 ft., 15c to 35c each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Hydrangeas, 6, 7, 8, and 9-in., 4 to 15 heads. Geo. A. Kuhl, Pekin, Ill.

Hydrangea Otaksa, 6 to 7-in., 35c to $1 each. G. Aschmann, 1012 W. Ontaria St., Phila.

Hydrangeas. W. & T. Smith Co., Geneva, N. Y.

IMPATIENS.

Impatiens, 3 kinds, R. C., $1. Byer Bros., Chambersburg, Pa.

IVIES.

Ivy, German, strong R. C., 75c per 100; 2½-in., $2 per 100. L. E. Marquisee, Syracuse, N. Y.

English ivy, hardy, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Ivy, German, 75c per 100. Shippensburg (Pa.) Floral Co.

LANTANAS.

Lantanas, 5 vars., $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

LILACS.

Lilacs, Persian, also German white and light and dark purple, 3 to 6 ft., 25c to $2 each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Lilacs, Chas. X. and Marie LeGray, $1 each; $10 per doz. Vaughan's Seed Store, Chicago and New York.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

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Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

From Storage.

Lily of the valley, for forcing, $11 per 1,000. W. C. Beckert, Pittsburg, N. S., Pa.

If you do not find what you need in our Ready Reference Department, write us about it.

Lily of the valley for Easter, $3 per 100; $25 per 1,000; extra select, $4 per 100. Cold storage pips, $1.50 per 100; $12 per 1,000; select stock, $1.75 per 100; $14 per 1,000. H. N. Bruns, 1409-11 W. Madison St., Chicago.

Lily of the valley pips, cold storage. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley, for forcing. Vaughan's Seed Store, Chicago and New York.

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Lobelias, Crystal Palace Gem, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Lobelia Crystal Palace and speciosa, $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

MADEIRA VINE.

Maderia Vine, large $1.25 per 100; $10 per 1,000. Vaughan's Seed Store, Chicago and New York.

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Malus, Floribunda, Atrosanguinea and Scheideckeri, pot-grown, 2½ ft., $1 each; $10 per doz. Vaughan's Seed Store, Chicago and N. Y.

MOSS.

Sphagnum moss, 5 barrel bale, $1.25; 2 bales, $2.25; 5 bales, $5; 10 bales, $9.50. H. R. Akers, Chatsworth, N. J.

Sphagnum moss in burlap or wired bales. Write for prices. Vaughan's Seed Store, Chicago and New York.

MUSHROOM SPAWN.

Mushroom, Spawn. Johnson's Improved. Johnson's Ltd., 44 Bedford Row, London, W. C. England.

Mushroom spawn. English and pure culture. Weeber & Don, 114 Chambers St., New York.

Mushroom spawn, Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

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NURSERY STOCK TO CLOSE OUT.

I offer the following packed f. o. b. N., nursery grown. Col., collected. Tr., transplanted. Less than $10 packing charged. 10 to 50,000 each. Rush order.

	100	1,000
Althea Rosea, S., 6 to 12 in....$	.40	$ 1.50
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Cornus Stolonifera Ozies Dogwood, S., 1 to 2 ft.....	.40	3.00
Cornus Stolonifera Ozies Dogwood, S., 2 to 3 ft.....	.60	4.00
Cornus Stolonifera Ozies Dogwood, S., 4 to 5 ft.....	1.50	12.00
Ash American, S., 5 to 7 ft.....	3.00	20.00
Hamamelis, Witch Hazel, S., 6 to 12 in.	.60	4.00
Hamamelis, Witch Hazel, S., 12 to 18 in.	1.00	8.00
Hackberry, S., 3 to 4 ft.....	2.50	
Tulip Tree, S., 6 to 12 in.....	.40	2.50
Tulip Tree, Tr., 3 to 4 ft.....	3.00	20.00
Tulip Tree, Tr., 4 to 5 ft.....	4.00	35.00
Tulip Tree, Tr., 5 to 7 ft.....	6.00	50.00
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Sugar Maple, 6 to 12 in.....$	.30	$1.25
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Hornbeam, 1 to 2 feet.....	.60	4.00
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Cornus Florida, 1 to 2 ft.	.50	4.00
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Laurus Benzoin, Spice Bush, 1 to 2 ft.	.60	4.00
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Of the above I offer 100,000 Tulip Poplars, transplanted, fine stock; 50,000 Cornus stolonifera Ozies Dogwood; 50,000 Witch Hazel. Large stock collected seedlings; 100,000 Althea Rosea; 50,000 Yucca; 10,000 Ash, 5 to 7 feet.

FOREST NURSERY,
McMinnville, Tenn.

Ligustrum. Ibota, seedlings, twice transp., 18 to 24 ins., $5 per 100; $40 per 1,000. Ampelopsis Engelmani, 3-yr., strong, $2 per doz., $15 per 100. Vaughan's Seed Store, Chicago.

Nursery stock, arbor-vitæ (Thuya occidentalis) 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, trees and shrubs, price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Nursery stock, large trees, oaks, maples, pines and hemlock. Andorra Nurseries, Chestnut Hill, Philadelphia.

Hardy fruit and ornamental trees, shrubs, vines and perennial plants. L. L. May & Co., St. Paul, Minn.

Nursery stock, hardy Michigan trees, shrubs, fruit trees and small fruits. Grand Rapids Nursery Co., Grand Rapids, Mich.

Nursery stock fruit and shade trees, shrubs, evergreens. W. & T. Smith Co., Geneva, N. Y.

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Oranges, Kinkan. P. J. Berckmans Co., Augusta, Ga.

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Orchids in superb condition. Cattleya Mossiæ, C. Schroederæ, Lælia anceps, Epidendrum vitellinum, etc. Lager & Hurrell, Summit, N. J.

Orchids, C. Trianæ, C. Percivaliana, C. speciosissima, C. Gaskelliana, Oncidium Krameriana. Ordonez Bros., Madison, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England. New York office, room 1, 235 Broadway.

Orchids, choice assorted flowering, established, $12 per doz. Wm. Mathews, West View Greenhouses, Utica, N. Y.

Orchids, Lælia purpurata, Cattleya intermedia, C. Mossiæ. Julius Roehrs, Rutherford, N. J.

Orchids, ready in April and May. Carrillo & Baldwin, Secaucus, N. J.

PALMS.

Palms, Kentia Bel., 2½-in., $9 per 100; $80 per 1,000; 3-in., $14 per 100; 4-in., $30; 5-in., $50. Latania Borb., 3-in., $6.50 per 100; 6-in., 5 to 6 leaves, 15 to 18 ins., 60c each. Storrs & Harrison Co., Painesville, O.

Palms, Kentia Belmoreana and Forsteriana, 4-in., 18 to 20 ins., 35c; 5¼, 5½ and 6-in., 50c to 75c each. Latania Borb., 5-in., 30c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Cocos Weddelliana, 3-in., $2.50 per doz.; $20 per 100; 5-in., 4 in. pot, 75c each; $9 per doz. Frank Oechslin, 2572 W. Adams St., Chicago.

Palms, 200 to 300 Phœnix, 5-in., at a bargain if taken at once. Mosbæk Greenhouse Co., Onarga, Ill.

Latania Borbonica, from 2-in., 3 leaves, $3 per 100. The Perennial Gardens Co., Toledo, O.

Palms. P. J. Berckmans Co., Augusta, Ga.

Palms. L. Van Houtte, Pere, Ghent, Belgium.

PANDANUS.

Pandanus Veitchii, 5-in., $1 each; 5½-in., $1.25; 6-in., $1.50. Frank Oechslin, 2572 W. Adams St., Chicago.

Pandanus utilis. 2½-in., $6 per 100; 3-in., $8; 4-in., $12. Storrs & Harrison Co., Painesville, O.

PANICUM.

Panicum var., $2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

PANSIES.

Pansy plants from extra selected seed. Fall seedlings, $3.50 per 1,000. Fall transplanted, $6 per 1,000. Large plants, $10 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Pansies from cold frame, strong, in bud, $1 per 100; $9 per 1,000; 2nd size, $5 per 1,000. F. A. Baller, Bloomington, Ill.

Pansies, fall transplanted, in bud, per 100, $1.25; per 1,000, $10. A. R. Knowles, Bloomington, Ill.

Pansies, giant flowering, 50c per 100; $2.50 per 1,000. Jos. H. Cunningham, Delaware, O.

PELARGONIUMS.

Pelargoniums, 3-in., $1.50 per doz.; $6 per 100. R. Vincent, Jr. & Sons, White Marsh, Md.

Pelargoniums, $2.50 per 100. S. D. Brant, Clay Center, Kans.

PENTAS.

Pentas lanceolata, white 2½-in., $3 per 100; $27 per 1,000. Abele Bros., Florists, New Orleans, La.

PEONIES.

Peonies, 100 varieties, all classes for florists, 6 or 8 leading kinds, white to crimson, early to late, all named, $1.50 per doz.; $10 per 100. F. A. Baller, Bloomington, Ill.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Wholesale peony list for fall 1908 is now ready. J. F. Rosenfield, West Point, Neb.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies, leading vars. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunia Berkshire, R. C., $2.50 per 100; $20 per 1,000. S. S. Skidelsky, 1,731 No. 18th St., Philadelphia.

Petunias, double fringed, 2½-in., ready for 4-in., $2.50 per 100; R. C., $1 per 100. The Krueger Bros. Co., Toledo, O.

Petunias, dbl., R. C., $1.25 per 100; $10 per 1,000. S. D. Brant, Clay Center, Kans.

Petunias, dbl., 10 kinds. R. C., $1. Byer Bros., Chambersburg, Pa.

Petunias, dbl., $3 per 100. Jos. H. Cunningham, Delaware, O.

POINSETTIAS.

Poinsettias, good, strong stock, $4 per 100. The Krueger Bros. Co., Toledo, O.

PRIMULAS.

Primula obconica grandi. rosea, 2½-in., 50c per doz.; $3 per 100; 3½-in., 75c per doz.; $6 per 100. Frank Oechslin, 2572 W. Adams St., Chicago.

PRIVET.

Privet, California, and Amoor River 2½ to 3 ft., $25 per 1,000. Peter's Nursery Co., Knoxville, Tenn.

Privet, California. E. Y. Teas Co., Centerville, Ind.

The American Florist invites attention to the class of business firms in its adv. columns.

PRUNUS.

Prunus triloba, standards, 2½-ft. stems, $1 each; $10 per doz.; bushy grown, 18 ins., 50c each; $5 per doz.; Simplex and Georgica, 18 ins., 50c each; $5 per doz. Vaughan's Seed Store, Chicago and New York.

RHODODENDRONS.

Rhododendrons, 8-12 buds, 75c each; $9 per doz.; 12-18 buds, $1.25 each; $12 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons. W. & T. Smith, Geneva, N. Y.

Rhododendrons, Jacs Smits, Naarden, Holland.

ROSES.

Roses, grafted, Mrs. Jardine, Rhea Reid, Queen Beatrice, $6 per doz.; 50 for $18; $35 per 100. My Maryland, 50c each; $5 per doz.; $35 per 100; own root, 2½-in., $25 per 100; $2 per 10; 3-in., $15 per doz. Mrs. Potter Palmer, $3 per doz.; $17.50 per 100; $125 per 1,000. New Rambler Newport Fairy, 2¼-in., $1 each; $9 per doz.; $50 per 100. Standard vars.: Aurora, Betty, Bon Silene, Bride, Maid, Enchanta, Etoile de France, Franz Deegen, Gen. MacArthur, G. Gate, Hermosa, Ivory, Kaiserin, Kate Moulton, Killarney, La Detroit, M. Cochet, M. Niel, Mme. Chatenay, Mme. Hoste, Mrs. Morgan, Gontier, Rosalind Orr English, Richmond, Carnot, Wootton, Uncle John, Wellesley, White Cochet, grafted, 2¼-in., 20c each; $2 per doz.; $15 per 100; $120 per 1,000. Am. Beauty, own root, 2½-in., $8 per 100; $75 per 1,000; 3-in., $12 per 100; $100 per 1,000. Own root roses, 2½-in.; Kaiserin, Killarney, Bride, Bridesmaid, Ivory, G. Gate, Uncle John, Richmond, Chatenay, Aurora, $1 per doz.; $6 per 100; $50 per 1,000; 2-in., $3.50 per 100; $30 per 1,000. A. N. Pierson, Cromwell, Conn.

Roses, 2-yr., budded, per doz., $2; $15 per 100; Am. Beauty, La France, Frau K. Druschki, Kaiserin, Soliel d'Or, Hermosa, Paul Neyron, Gruss an Teplitz, 2-yr., budded, $1.50 per doz.; $11 per 100. Anna de Diesbach, Fisher Holmes, Magna Charta, Ball of Snow, Gen. Jacq., M. P. Wilder, Capt. Christy, Mme. Testout, Mrs. J. Laing, U. Brunner, etc. Crimson Rambler, 2-yr., home-grown, $15 per 100; 2-yr., imported, $12 per 100. Dorothy Perkins, 2-yr., home-grown, $12 per 100. Lady Gay, 2-yr., budded, $20 per 100. Philadelphia Rambler, 2-yr., home-grown, $12 per 100. Baby Rambler, 2-yr., extra strong budded, $20 per 100. White Baby Rambler, 2½-in., $10 per 100. Red Kaiserin, 2½-in., $1.50 per doz.; $10 per 100; 3-in., $2 per doz.; $12 per 100; 4-in., $3 per doz.; $20 per 100; 2-yr. dormant, $3 per doz.; $20 per 100. Vaughan's Seed Store, Chicago and N. Y.

Roses, Marechal Neil, 4-in., 2 to 3 canes, 24 ins., tall, live healthy roots, 20c. Pink Cochet Franciska Kruger, 3-in., $6 per 100; all 2-yr. old. Memphis Floral Co., Memphis, Tenn.

Extra strong White La France, Duchess Albany, Pink La France, $10 for 100; 30 ins. tall, 3 to 5 canes. Memphis Floral Co., Memphis, Tenn.

Roses, 2½ and 4-in. Leedle Floral Co., Springfield, O.

If you do not find what you need in our Ready Reference Department, write us about it.

Roses, $2.50 per 100; $25 per 1,000; Baby Rambler, C. Soupert, D. Perkins, Mme. A. Chatenay, C. Rambler; $2.75 per 100; $27.50 per 1,000: Hermosa, Maman Cochet, Malmaison, Etoile de Lyon, Helen Gould, Lady Gay, M. Niel, Notting, Meteor, White Maman; $3 per 100; $30 per 1,000; Black Prince, Mme. Masson, Richmond, Kaiserin, Paul Neyron, $3.50 per 100; $35 per 1,000: Etoile de France, Gen. McArthur, Mrs. J. Laing. Helen Good, $5 per 100. J. B. Clark, $8 per 100. C. M. Niuffer, Springfield, O.

Roses, American Beauty, R. C., $3.50 per 100; $30 per 1,000; 2½-in., $6.50 per 100; $60 per 1,000; 3½-in., $80 per 1,000. Maid, Bride, U. John, Richmond, Chatenay, Kaiserin, 2½-in., $4.50 per 100; $40 per 1,000; 3½-in., $60 per 1,000. Mrs. Potter Palmer and Cardinal, 2½-in., $15 per 100; $125 per 1,000; 3½-in., $150 per 1,000. Perle, Sunrise, 2½-in., $5 per 100; $45 per 1,000; Perle, 3½-in., $65 per 1,000. Killarney, R. C., $35 per 1,000; 3½-in., $75 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, field-grown, Anna de Diesbach, Clio, Frau Karl Druschki, Gen. Jacq., John Hopper, Mme. Luizet, M. P. Wilder, Mrs. J. Laing, Paul Neyron, Prince Camille, U. Brunner, Crimson, white, yellow and Philadelphia Rambler, common sweet briar, Mme. G. Bruant, Wichuraina. Ellwanger & Barry, Rochester, N. Y.

Roses, grafted, Chatenay, Killarney, Richmond, Liberty, La France, in rose pots, $15 per 100: 3½-in., $18 per 100. Brides, Maids, Golden Gate, Kaiserin, rose pots, $10 per 100; 3½-in., $15 per 100. Own root: 3-in., $9 and $7 per 100. J. L. Dillon, Bloomsburg, Pa.

Roses, rooted cuttings, Am. Beauty, $3.50 per 100; $30 per 1,000. Maids, Brides, Richmond, $1.50 per 100; $12 per 1,000. Am. Beauty, bench plants, $6 per 100; $50 per 1,000. Geo. Reinberg, 35 Randolph St., Chicago.

Roses, 2¼-in., C. Soupert, Hermosa, Baby Rambler, Maman Cochet, White M. Cochet, $3 per 100; $25 per 1,000. Storrs & Harrison Co., Painesville, O.

Roses, young stock, Am. Beauty, $6 per 100; $55 per 1,000. Rhea Ried, own root, $30 per 100; grafted, $35 per 100. E. G. Hill Co., Richmond, Ind.

Roses, choice young stock: Kaiserin, 2½-in., $4.50 per 100; $40 per 1,000. Richmond, Maid, Bride, 2-in., $3 per 100; $25 per 1,000. Bassett & Washburn, 76 Wabash Ave., Chicago.

American Beauties, rooted cuttings, $3 per 100; $25 per 1,000; 2¼-in., $6 per 100; $50 per 1,000. J. F. Wilcox, Council Bluffs, Iowa.

Roses, Bride, Maid, Kaiserin, Killarney, Richmond, Wellesley, $12 per 100; $100 per 1,000. Jackson & Perkins Co., Newark, N. Y.

Roses, American Beauty, Richmond, bench plants, $6 per 100; $50 per 1,000. J. A. Budlong, 37-39 Randolph St., Chicago.

Roses, grafted and own root, Kaiserin, Carnot, Killarney, Richmond, Liberty, Bride and Bridesmaid. W. H. Elliott, Brighton, Mass.

Roses, American Beauty, Liberty and Kaiserin, bushes; bench plants, $6 per 100; $55 per 1,000. Wietor Bros., 51 Wabash Ave., Chicago.

Extra strong Marechal Neil, 5-in. pots, 30 to 36 ins. tall, 2 to 3 canes, live working roots, 35c. Memphis Floral Co., Memphis, Tenn.

Rose Tausendschon, 3-in., 10 for $1.50; $12 per 100; $100 per 1,000. Dingee & Conard Co., West Grove, Pa.

Rose Newport Fairy. Julius Roehrs Co., Rutherford, N. J.

Roses, 30 new roses for 1908. Peter Lambert, Trier, Germany.

Roses. E. G. Hill Co., Richmond, Ind.

Roses. W. & T. Smith Co., Geneva, N. Y.

Roses, L. L. May & Co., St. Paul, Minn.

SAGE PLANTS.

Sage plants, good thrifty sage plants from 2-in. pots. Ready now. Price $1.50 per 100. Cash with order. Virginia Nursery Co., Purcellville, Va.

SALVIAS.

Salvia Zurich, ever-blooming type absolutely true, 2-in., $1 for 25; $3, 100; $25, 1,000. Rooted cuttings, $1.75, 100; $15, 1,000. J. L. Schiller, 929 Prouty Ave., Toledo, O.

Salvia Zurich, 2-in., $3 per 100; $25 per 1,000; R. C., $1.75 per 100; $15 per 1,000; now ready. The Krueger Bros. Co., Toledo, O.

Salvias, in 5 standard varieties, R. C., 90c; 2¼-in., $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Salvia Bonfire and Splendens, R. C., 75c per 100; $6 per 1,000. A. N. Pierson, Cromwell, Conn.

Salvias, R. C., $1 per 100. L. E. Marquisee, Syracuse, N. Y.

Salvias, R. C., $1 per 100; $8 per 1,000. S. D. Brant, Clay Center, Kans.

Salvia Zurich, R. C., $1.75 per 100; 2-in., $3. Perennial Gardens Co., Toledo, O.

Salvia Bonfire, 90c. Byer Bros., Chambersburg, Pa.

SMILAX.

Smilax, choice young plants, fall sown, 50c per 100; $4 per 1,000. F. A. Buller, Bloomington, Ill.

Smilax, 2½-in., $2 per 100; $15 per 1,000. Geo. Reinberg, 35 Randolph St., Chicago.

SEEDS.

SEEDS. SEEDS. SEEDS.

Buckbee's Famous "Full of Life" Pedigreed Strains

of the newest and best varieties Vegetable and Flower Seeds, etc.

If you have failed to receive a copy of our Spring Trade List, write for it to-day.

H. W. BUCKBEE,

Forest City Greenhouses.
Rockford Seed Farms. Rockford, Ill.

Seeds, Lettuce, Grand Rapids, ¼ lb., 30c; lb., $1; May King, ¼ lb., 40c; lb., $1.25. Cucumber, Evergreen White Spine, ¼ lb., 25c; lb., 75c; Davis Perfect, ¼ lb., 35c; lb., $1.25; Radish, Vaughan's Cardinal Forcing, ¼ lb., 40c; lb., $1.50; Improved Scarlet Globe, ¼ lb., 25c; lb., 70c; 20 Day Forcing, ¼ lb., 20c; lb., 60c. Scarlet Globe White Tip, ¼ lb., 20c; lb., 60c. Tomato, New Globe, ¼ lb., 75c; lb., $3; Comet, pkt., 25c; Sunrise, pkt., 25c. Cauliflower, Earliest of All, pkt., 25c; oz., $2.50. Vaughan's Seed Store, Chicago and New York.

Seeds, Primula obconica, the type, ⅛ oz., 50c; tr. pkt., 15c; grandiflora, mixed, 1-16 oz., $1; tr. pkt., 25c; fimbriata, 1-32 oz., $1; tr. pkt., 50c; Bright rose, 1-32 oz., $1; tr. pkt., 25c; Kermesina, 1-32 oz., $2; tr. pkt., 50c; white, 1-32 oz., $1; tr. pkt., 25c; gigantea rosea, 1-32 oz., $3; tr. pkt., 50c; gigantea Kermesina, tr. pkt., 35c. Vaughan's Seed Store, Chicago and New York.

Seeds, bean, beet, cabbage, carrot, kohl rabi, leek, lettuce, onion, pea, radish, spinach, turnip, swede, aster, balsam, begonia, carnation, cineraria, gloxinia, larkspur, nasturtium, pansy, petunia, phlox, primula, scabious, stock, verbena, zinnia, etc. Giant pansy, $5 per oz.; $1.50 per ¼ oz.; 75c per 1-16 oz. Henry Mette, Quedlinburg, Germany.

Seeds, Asparagus plumosus nanus, northern greenhouse grown, per 100 seeds, 60c; 250, $1.25; 1,000, $4; 5,000, $19.50, 10,000, $37.50. Vaughan's Seed Store, Chicago and New York.

Seeds, Primula obconica grandi, blood red, blue, carmine, pink, purple, violet, white, compacta, gigantea, fringed mixed, hybrids, separate, tr. pkt., 50c; 6 pkts., $2.50. O. V. Zangen, Hoboken, N. J.

Seeds, cyclamen, Mont Blanc, Baroness Burdett-Coutts, Crimson King, Duke of Connaught, Prince of Wales, Princess May, Rosy Morn, Picturatum, Dame Blanch, Duke of Fife, Brilliant. Primula Sinensis. St. George's Nursery Co., Harlington, Middlesex, England.

Seeds, onion, Southport yellow and red, $1.20 per lb.; white, $3 per lb. Yellow Globe Danvers, $1.10 per lb. Prize Taker, $1.30 per lb. Fine stocks sweet corn, peas and beans. S. D. Woodruff & Sons, 82 Dey St., New York.

Seeds, Fordhook bush lima bean, pkt. 10c net; ¼ pt., 30c; ½ pt., 55c; pt., $1. Burpee's Fordhook musk melon, pkt., 10c net; ¼ oz., 25c; ½ oz., 40c; oz., 75c postpaid. W. Atlee Burpee & Co., Burpee Bldg., Philadelphia.

Seeds, verbena, mammoth, colors or mixed, ¼ oz., 30c; oz., $1. Salvia splendens, ¼ oz., 35c; oz., $1.25; Bonfire, ¼ oz., 75c; oz., $2.50. W. C. Beckert, Pittsburg, N. S., Pa.

Seeds, Tomato, the Don. Cauliflower, First and Best. Onion Ailsa Craig. Lettuce, Ideal. Mignonette, N. Y. Market. Weeber & Don, 114 Chambers St., New York.

Onion seed, Canary Island, Bermuda, red and white, also Crystal Wax. Kuhner Henderson & Co., Teneriffe, Canary Islands.

Seeds, Grand Rapids, Forcing lettuce; Davis Kidney Wax bean; Davis Perfect cucumber. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, Lawn grass in bulk or pkts., Dickinsons Evergreen and Pine Tree brands. Albert Dickinson Co., Chicago and Minneapolis.

Seed, Asparagus plumosus Nanus. $2.50 per 1,000, New crop. Drake Point Greenhouses, Yalaha, Fla.

Turnip, American Red Strapleaf. True and cheap to clear. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, all kinds. H. H. Berger & Co., 70 Warren St., New York.

Tree and shrub seeds, domestic and foreign. F. A. Miller, 326 Nicol Ave., Fruitvale, Calif.

Seeds, all kinds. L. L. May & Co., St. Paul, Minn.

Seeds of all kinds. H. E. Fiske Seed Co., 12 and 13 Faneuil Hall Sq., Boston, Mass.

Seeds, sweet peas. Anton C. Zvolanek, Bound Brook, N. J.

Seeds, peas, beans and garden seeds. Leonard Seed Co., Chicago.

Onion sets, yellow, red and white. Leonard Seed Co., Chicago.

Seeds, all kinds. Bridgeman's Seed Warehouse, 37 E. 19th St., New York.

Seeds, pansy, 1,000 seeds, mixed, 25c; 1 oz., $2.25. H. Wrede, Luneburg, Germany.

Seed potatoes, Red River stock. Onion sets, Vaughan's Seed Store, Chicago.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Seeds, all kinds. St. Louis Seed Co., 784-786 N. 4th St., St. Louis.

Contract Growers.

Seeds, onion, lettuce, sweet peas and other California specialties, C. C. Morse & Co., 48 to 56 Jackson St., San Francisco, Calif.

Seeds, vegetables and flower French grown. High grade. Trade only. Write for contract prices. Chas. Johnson, Marietta, Pa.

Seeds, bean, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn, S. M. Isbell & Co., Jackson, Mich.

Seeds, cabbage and cauliflower. Hjalmer Hartman & Co., Stormgade, Copenhagen; 31 Barclay St., New York.

Seeds. Lettuce, onion, sweet pea, aster, cosmos, mignonette, verbena. Waldo Rohnert, Gilroy, Calif.

Seeds, growers for the wholesale trade only. Braslan Seed Grower's Co., San Jose, Calif.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seed beans. F. L. Hogue, Carpinteria, Calif. Grower for the wholesale trade only.

Seeds, garden peas and beans. Rogers Bros., Alpena, Mich.

SPIREAS.

Spirea Gladstone, extra nice plants for Easter, 6-in pots, 35c each. Memphis Floral Co., Memphis, Tenn.

Spirea Gladstone, 6 to 7-in., 50c to 75c each. G. Aschmann, 1012 W. Ontario St. Philadelphia.

Spireas. Jacs Smits. Ltd., Naarden Holland,

STEVIAS.

Stevia. E. T. Wanzer, Wheaton, Ill.

SWAINSONAS.

Swanisona alba, R. C., $1; 2-in., 2c. Byer Bros., Chambersburg, Pa.

Swainsona alba, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

VEGETABLE PLANTS.

Vegetable plants, tomato: Mayflower, Lorrillard, Earliana, Early Jewel, Early June, 30c per 100; $2 per 1,000. Beets: Egyptian and Crosby, 20c per 100; $1.25 per 1,000. Celery: White Plume, Golden Self Blanching, 20c per 100; $1.25 per 1,000. Parsley: Moss Curled, 30c per 100; $2 per 1,000. Cauliflower; Early Snow Ball, 50c per 100. Lettuce: Grand Rapids, $1 per 1,000. Pepper and egg plant, 40c per 100; $2 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh Md.

Lettuce plants. Grand Rapids and Black Seeded Simpson, $1 per 1,000; $9 per 10,000. B. E. Wadsworth, Box 224, Danville, Ill.

Vegetable plants, Aspargus Conovers, 2-yr., 100. 30c; 1000, $2.25. H. H. Kern, Bonner Springs, Kans.

VERBENAS.

Verbenas, red, white, purple and pink, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Verbenas, $2 per 100. Jos. H. Cunningham, Delaware, O.

Verbenas, mammoth, fine large plants from soil, 60c per 100; $4 per 1,000. Hill Top Greenhouses, 15 Gray Ave., Utica, N. Y.

Verbena seedlings, mammoth mix., 35c per 100. Shippensburg (Pa.) Floral Co.

Verbenas, 2-in., nice plants, $2 per 100. The Krueger Bros. Co., Toledo, O.

VINCAS.

Vinca var., R. C., $1 per 100; $9 per 1,000; 2½-in., $2.50 per 100; $22.50 per 1,000; 3-in., $4 per 100; 4-in., $6 per 100. Leedle Floral Co., Springfield, O.

Vinca, variegated, R. C. 90c; 2¼-in., $2.50; 5-in., $15 per 100. Mosbæk. Greenhouse Co., Onarga, Ill.

Vinca variegata, 2 1-4-in., $2.50 per 100. Jos. H. Cunningham, Delaware, O.

VIOLETS.

Violets, Princess of Wales, rooted runners and divisions, $1 per 100; $8 per 1,000; 2,000, $15. P. M. DeWitt, Bridgewater, Pa.

Violets, Princess of Wales, 2 1-4-in., $3 per 100. Hardy English, $3. Storrs & Harrison Co., Painesville, O.

Violets, Boston, $2 per doz.; $12 per 100; $100 per 1,000. Wm. Sim, Cliftondale, Mass.

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WHOLESALE CUT FLOWERS.

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Allen, J. K., 106 W. 20th St., New York.
Amling, E. C., 32-36 Randolph St., Chicago.
Berning, H. G., 1402 Pine St., St. Louis.
Buffalo Cut Flower Co., 468 Washington St., Buffalo, N. Y.
Deamud, J. B. Co., 51 Wabash Ave., Chicago.
Ford Bros., 48 W. 28th St., New York.
Froment, Horace E., 57 W. 28th St., New York.
Guttman, Alex. J., 43 W. 28th St., New York.
Harty & Co., 1312 G St., N. W. Washington.
Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.
Hunt, E. H., 76 Wabash Ave., Chicago.
Kennicott Bros. Co., 48-50 Wabash Ave., Chicago.
Kuehn, C. A., 1122 Pine St., St. Louis.
Langjahr, Alfred H., 55 W. 28th St., N. Y.
McCullough's Sons Co., J. M., 316 Walnut St., Cincinnati, O.
McIntyre, John, 1601 Ranstead St., Philadelphia.
McKellar, Chas. W., 51 Wabash Ave., Chicago.
McKissick, W. E., 1619-1621 Ranstead St., Philadelphia.
Michigan Cut Flower Exchange, 30-40 Broadway, Detroit, Mich.
Millang Bros., 41 W. 28th St., New York.
Murdoch, J. B. & Co., 714 Penn Ave., Pittsburg, Pa.
Niessen Co., Leo, 1208 Arch St., Philadelphia.
N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.
Perkins & Nelson, 57 W. 26th St., New York.
Pittsburg Cut Flower Co., Ltd., 222 Oliver Ave., Pittsburg, Pa.
Pittsburg Florists' Exchange, 217-223 Diamond St., Pittsburg, Pa.
Pollworth, C. C. Co. Milwaukee, Wis.
Randall, A. L. Co., 19 Randolph St., Chicago.
Raynor, John L., 49 W. 28th St., New York.
Rice Bros., 128 N. 6th St., Minneapolis, Minn.
Robinson, Henry M. & Co., 11-15 Province St., Boston.
Seligman, John, 56 W. 26th St., New York.
Sheridan, Walter F., 39 W. 28th St., New York.
Smith & Co., W. C., 1316 Pine St., St. Louis.
The Fruit Auction Co., Box 640, New York.
Traendly & Schenck, 44 W. 28th St., N. Y.
Vaughan & Sperry, 58-60 Wabash Ave., Chicago.
Welch Bros., 226 Devonshire St., Boston.
Winterson, E. F. Co., 45-49 Wabash, Chicago.
Young, A. L. & Co., 54 W. 28th St., N. Y.
Young, Jr., Thos., 500 5th Ave., N. Y.
Young, John, 51 W. 28th St., New York.
Young & Nugent, 42 W. 28th St., New York.
Zech & Mann, 51 Wabash Ave., Chicago.

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Growers.

Bassett & Washburn, 76-78 Wabash Ave., Chicago.
Benthey & Coatsworth Co., The, 35 Randolph St., Chicago.
Bruns, H. N., 1409-11 W. Madison St., Chicago.
Budlong, J. A., 37-39 Randolph St., Chicago.
Elliott, W. H., Brighton, Mass.
Hill, The E. G. Co., Richmond, Ind.
Jensen & Dekema, 674 W. Foster Ave., Chicago.
Joy Floral Co., 601 Church St., Nashville, Tenn.
Muskogee Carnation Co., Muskogee, Okla.
Peacock Dahlia Farms, Atco, N. J.
Poehlmann Bros. Co., 35-37 Randolph St., Chicago.
Reinberg, Peter, 51 Wabash Ave., Chicago.
Weiland & Olinger, 128 E. 3rd St., Cincinnati, O.
Weiland & Risch, 59 Wabash Ave., Chicago.
Wietor Bros., 51 Wabash Ave., Chicago.
Wittbold, Geo. Co., 1657 Buckingham Pl., Chicago.
Woodrow, Samuel A., 53 W. 30th St., New York.

RETAIL CUT FLOWERS.

Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree St.
Albany, N. Y.—H. G. Eyers, 11 N. Pearl St.
Boston—Houghton & Clark, 396 Boyleston St.
Brooklyn, N. Y.—Robt. G. Wilson, Fulton St. and Green Ave.
Buffalo, N. Y.—Palmer's.
Chicago—Hauswirth Florist. Auditorium Annex.
Chicago—Wittbold, Florist, 1657 Buckingham Place.
Dayton, O.—Mathews, 16 W. 3rd St.
Denver, Colo.—Daniels & Fisher.
Denver, Colo.—The Park Floral Co.
Detroit, Mich.—John Breitmeyer's Sons, cor. Miami and Gratiot Aves.
Evansville, Ind.—The Blackman Floral Co., 402 Main St.
Galveston, Tex.—Mrs. M. A. Hanson.
Indianapolis, Ind.—Bertermann Bros. Co., 241 Mass. Ave.
Kansas City, Mo.—Geo. M. Kellogg, 906 Grand Ave.; also Pleasant Hill, Mo.
Kansas City, Mo.—Samuel Murray, Coates House Co., 1017 Broadway.
Los Angeles, Calif.—J. W. Wolfskill, 218 W. 4th St.
Louisville, Ky.—J. Schultz, 644 4th Ave.
New Orleans, La.—U. J. Virgin, 833 Canal St.
Omaha, Neb.—Hess & Swoboda, 1415 Farnam St.
Philadelphia, Pa.—Robert Kift, 1725 Chestnut St.
Rochester, N. Y.—J. B. Keller Sons, 25 Clinton St.
St. Louis, Mo.—Fred C. Weber, 4320-28 Olive St.
St. Louis, Mo.—Young's, 1406 Olive St.
St. Paul, Minn.—Holm & Olson.
San Francisco, Calif.—J. B. Boland Co., 47-49 Geary St.
Seattle, Wash.—Woodland Seed & Floral Co., 808 2nd Ave.
Terre Haute, Ind.—Jno. G. Heinl & Son.
Washington, D. C.—Z. D. Blackistone, 14th and H Sts., N. W.
Washington, D. C.—A. Gude & Bro., 1214 F St.

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Artificial poinsettias. J. Schroader, 2253 Ontario St. Cleveland, O.

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Baskets, No. 1, 8¼x4½x2½ ins., $7.50 per 1,000; No. 2, 9½x5x3 ins., $8; No. 3, 9½x5½ x3½ ins., $8; No. 13, 10x5½x3 ins., $8; No. 11, 10½x6x4 ins., $9; No. 12, 11x7x4 ins., $10. Coles & Co., 109 Warren St., New York.

BOILERS.

Boilers, corrugated, firebox and sectional greenhouse heating. Hitchings & Co., 1170 Broadway, New York.

Boilers, improved greenhouse boilers, made of best material; shell firebox sheets and heads of steel; water space all around (front, sides and back). Kroeschell Bros. Co., 45 Erie St., Chicago.

Boilers, the Superior improved internal fired boiler. Made in 10 sizes to heat from 2,000 to 6,500 feet of 4-in. pipe. Superior Machine and Boiler Works, 125-133 W. Superior St., Chicago.

Boilers, Myers & Co., 1122 Betz Bldg., Philadelphia.

Boilers, the Burnham boilers, made for greenhouse heating. Lord & Burnham Co., 1133 Broadway, New York.

Boilers, boilers of high grade for greenhouses. Steam or hot water. Giblin & Co., Utica, N. Y.

Boilers, steel return tubular, steam or water. Johnston Heating Co., 138 E. 31st St., N. Y.

Boilers, water tube steam boilers. King Construction Co., North Tonawanda, N. Y.

Boilers, S. A. Jacobs & Sons, 1365 N. Flushing Ave., Brooklyn, N. Y.

BOXES.

Cut flower boxes. Send for prices. Edwards Folding Box Co., Philadelphia, Pa.

BUILDING MATERIAL.

Building material, hotbed sash, cypress, unglazed, 95c each; in doz. lots, 90c; glazed, $1.65 each; doz. lots, $1.60. Pine sash, unlot, $1.55 each. Building hardware, wire and wire fencing bolts, hatchets, hammers, etc. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Building material, lumber for greenhouse benches, shiplap, drop siding, sheeting flooring, white cedar posts, etc. We are in special glazed, 90c; doz. lots, 85c; glazed, $1.60; doz. position to furnish "Pecky Cypress;" everything in pine and hemlock building lumber. Adam Schillo Lumber Co., cor. Weed and Hawthorn Sts., Chicago.

Building material of all kinds. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn.

Building material, cypress sash bars. Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pipe fittings, and all supplies needed in new or reconstruction work. Foley Mfg. Co. Western Ave. and 26th St. Chicago.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouses and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Building material of all descriptions for all cypress, semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 113 Blackhawk St., Chicago.

Building and propagating sands, fire brick and fire clay. Portland cement, hard wall plaster. Garden City Sand Co., Security Bldg., Chicago.

Building material for U-bar greenhouses. Pierson U-bar Co., Metropolitan Bldg., 4th Ave. and 23rd St., New York.

Building material of all kinds. S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Greenhouse material, Louisiana red cypress, Louisiana Red Cypress Co., Hibernia Bldg., New Orleans.

CUT FLOWER HOLDER.

The Anglais decoration, made in section, can be adjusted to any form desired. "Japana" flower holder, 4½-in., 50c; 3½-in., 35c; 2½-in., 25c. Garnsey, 131 S. Waiola, La Grange, Ill.

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Dried and ground SHEEP MANURE Nature's product unadulterated. For particulars address Natural Guano Co., Aurora, Ill.

Wizard brand pulverized sheep manure, large barrel, $4. The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

Ichthemic guano. in tins and bags. Fame's fertilizer, in tins and bags. Wm. Colchester & Co., Ipswich England.

GLASS.

Glass importers and jobbers; greenhouse glass a specialty. Window glass. James H. Rice, corner Michigan, St. Clair and Illinois Sts., Chicago.

Glass, greenhouse glass a specialty; also window glass. Sprague, Smith & Co., 167-9 Randolph St., Chicago.

Glass for conservatories, greenhouses and gardeners. The Johnson Glass Co., Hartford City, Indiana.

Glass. French and American "White Rose." Stenzel Glass Co., 2 Hudson St. New York.

Glass. High grade, double thick, greenhouse glass. Lord & Burnham, 1133 Broadway, N. Y.

Glass, all sizes. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn, N. Y.

Glass of all sizes. S. Jacobs & Sons, 1365 N. Flushing Ave., Brooklyn, N. Y.

Glass of all kinds and sizes. Sharp, Partridge & Co., 22nd and Lumber Sts., Chicago.

Glass. A and B quality, single and double strength. Baur Window Glass Co., Eaton, Ind.

Glass, greenhouse all sizes. H. M. Hooker Co., 120-128 W. Washington St., Chicago.

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Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c, postpaid. Henry A Dreer, 714 Chestnut St., Philadelphia.

Siebert's zinc never-rust glazing points, 2 sizes ⅝ and ⅞, 40c per lb.; 10c extra by mail; 7 lbs., $2.50; 15 lbs., $5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburg, Pa.

Glazing points, Lord & Burnham special glazing nails (points). Lord & Burnham Co., 1133 Broadway, New York.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of greenhouses for private estates, institutions, parks, etc. Pierson U-bar Co., Metropolitan Bldg., 4th Ave. and 23rd St., New York.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 113 Blackhawk St., Chicago.

Greenhouse construction of all kinds and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., Western Ave. and 26th St., Chicago.

If you do not find what you need in our Ready Reference Department, write us about it.

Greenhouse construction, builder of private or commercial greenhouses. Frank Van Assche, Fulton and Rose Ave. and Dwight St., Jersey City, N. J.

Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction, builders of every type of greenhouses, the most modern designs. Hitchings & Co., 1170 Broadway, N. Y.

Greenhouse construction, builders of modern greenhouses. Myers & Co., 1122 Betz Bldg., Philadelphia.

Greenhouse construction and equipment. King Construction Co., North Tonawanda, N. Y.

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Gutters. Garland's gutters will keep snow and ice off your glass. A sample of our gutters is on exhibition at Chicago Flower Growers' Market. Geo. M. Garland, Des Plaines, Ill.

Gutters, cast-iron gutters. Lord & Burnham Improved V-shaped gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, New York.

Gutters. Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

HOSE.

Hose, garden, ¾-in., 4c per ft. Competition garden hose, ¾-in., 50 ft. lengths with couplings, $2. Standard grade, ¾-in., 50 ft., lengths with couplings, 3 ply. 7c per ft.; 4 ply. 9c; 5 ply, 10c. Hose reels, 75c each. Sprinklers, 25c. Chicago House Wrecking Co., 35th and Iron Sts. Chicago.

Hose, 50-ft. lengths, ¾-in., 8½c; for heavy work, 12½c. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn, N. Y.

"SHOWERMAKER," $1. Jos. Kopcsay, So. Bend, Ind.

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Tobacco dust, made from heavy Kentucky leaf tobacco. Contains a larger amount of nicotine than any other tobacco dust offered for sale. Packed in barrels of 250 lbs. each. One barrel lots at 2½c per lb.;three barrel lots, 2¼c per lb., f. o. b. Louisville. Prices will be changed as soon as stock is reduced. Axton-Fisher Tob. Co., Louisville, Ky.

Fresh tobacco stems; 50c per 100 lbs.; $10 per ton. Scharff Bros., Van Wert, O.

Insecticides, tobacco paper, 24 sheets, 75c; 144, $3.50; 288, $6.50; 1,728, $35.10. Nicofume liquid, pint, $1.50; ½ gal:. $5.50; gal., $10.50; 5 gals., $47.25. The Kentucky Tob. Product Co., Louisville, Ky.

Insecticides. Carman's Antipest insecticide and fungicide, $1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Fumigating supplies, vaporizing pans for tobacco extract, improved. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Tobacco stems, bales 500 lbs., $1.50. W. C. Beckert, Allegheny, Pa.

Insecticides. Nicotcide Bug Killer, the best bug killer and bloom saver. P. R. Palethorpe Co., Owensboro, Ky.

MISCELLANEOUS.

Pillsbury's Carnation Staples for mending split carnations, 50c per 1,000; can be obtained from Vaughan's Seed Store, Charles W. McKeller, Vaughan & Sperry, Henry F. Michell Co., Wm. F. Kasting Co., E. H. Hunt, or I. L. Pillsbury, Galesburg, Ill.

The Holly Standard Electric Circulator for hot water circulation. The Holly Steam Engineering Co., 135 E. 15th St. New York.

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The Auto-Spray, fitted with Auto-Pop nozzle: E. C. Brown Co., 74 Jay St., Rochester, N. Y.

Perry Pneumatic Water System. United Pump and Power Co., Old Colony Bldg., Chicago.

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Paint. Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, New York.

Paint, putty, etc. The Jas. H. Rice Co., cor. Michigan, St. Clair and Illionis Sts., Chicago.

Putty, paint, etc. H. M. Hooker Co., 120-128 W. Washington St., Chicago.

R. I. W. Damp resisting paint. Garden City Sand Co., Security Bldg., Chicago.

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Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U-bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., Western Ave. and 26th St., Chicago.

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Wire Work—Manufacturers of artistic florists' designs. New Price list; large discount. Pittsburg Cut Flower Co., Ltd., Pittsburg, Pa.

Supplies, wire designs, etc. The Cleveland Cut Flower Co., 215 Huron Road, Cleveland, O.

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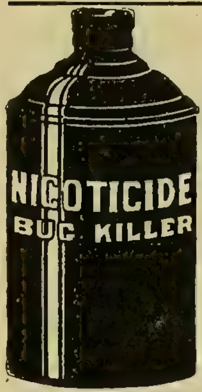

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For the Garden, Orchard and Greenhouse
Non-poisonous and harmless to vegetation.
Kills Green Fly, Aphides, Bark Lice, Thrips, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.
This is the Grower's Friend, handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. $1.50 per gallon. Also in quarts, half gallons and in bulk.
PERFECTION CHEMICAL CO., FLUSHING, N. Y.

Increase Crops in Orchard and Field with
THE AUTO-SPRAY
It is guaranteed to be the most powerful, easily operated, economical hand sprayer made. With it a boy outworks three men with ordinary device. Used by U. S. Government and State Experiment Stations. Fitted with Auto-Pop Nozzle it is equal to large operations as well as small. Write if you want agency. Spraying Calendar Free.
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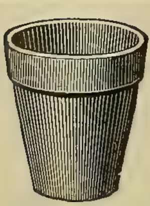

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THE LARGEST MANUFACTURERS OF
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Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty, Lasts longer than putty. Easy to apply.

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KEYSTONE CEDAR PLANT TUBS.

	Diam.	Each.	Doz.	100.
A	11 in.	.65	7.15	55.00
B	12¼ "	.75	8.25	65.00
C	13¼ "	.85	9.35	75.00
D	14¼ "	1.00	11.00	90.00
E	15¾ "	1.25	13.75	110.00
F	16¼ "	1.50	16.50	130.00

Three largest sizes have handles.

Special PAIL TUBS.

8 inches.	.30	3.50	28.00
11 "	.30	3.50	28 00

Painted Green.

HENRY A. DREER,
714 Chestnut Street,
PHILADELPHIA, PA.

Our Pastimes.

Announcement of coming contests or other events of interest to our bowling, shooting and sporting readers are solicited and will be given place in this column.

Address all correspondence for this department to A. F. Faulkner, 1133 Broadway, New York; Robt. Kift, 1725 Chestnut St., Philadelphia; or to the American Florist Co., Chicago.

At Chicago.

The sports of the Chicago Florists' Club are slow getting into action this year, the formation of a bowling team still being a mere matter of talk. Chas. Balluff thinks there might be more doing if the club should offer to pay the expenses of the team that will be formed to go to the S. A. F. convention at Niagara Falls, N. Y., next August.

The greenhouse boys of J. A. Budlong's beat the store boys by one pin in their bowling match last Thursday night. There is still some sporting blood in the trade!

At New York.

The bowling scores at the games on Friday were as follows:

Young	105	91	104	96	
Fenrich	150	103	166		234
Manda	123	148	157	125	213
Schreiner	157	136	181	193	199
Totty	130	125	114		
Marshall	116	159	180	157	106
Shaw	95	155	170	95	145

At Buffalo.

The usual number of bowlers were on hand last Monday evening, but no match games were rolled. When the new sports committee is appointed things will hum and the visitors to the convention in August at Niagara Falls can have a ball game, bowling or anything else, and the B. F. C. will help them out.

THE KELLER POTTERY COMPANY,
Manufacturers of FLORISTS' RED STANDARD POTS.
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The Ionia Pot is the Best Pot.

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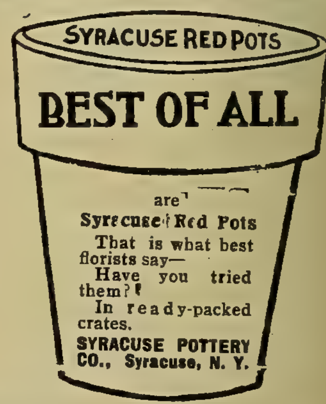

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Packed in small crates, easy to handle.

Price per crate			Price per crate		
1500 2-in., in crate,		$4.88	120 7-in., in crate,		$4.20
1500 2¼	"	5.25	60-8	"	3.00
			HAND MADE.		
1500 2½	"	6.00	48 9-in., in crate,		$3.60
1000 3	"	5.00	48 10	"	4.80
800 3½	"	5.80	24 11	"	3.60
500 4	"	4.50	24 12	"	4.80
320 5	"	4.51	12 14	"	4.80
144 6	"	3.16	6 16	"	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address

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For Sale by Wholesale Seedsmen, Florists and Supply Dealers.
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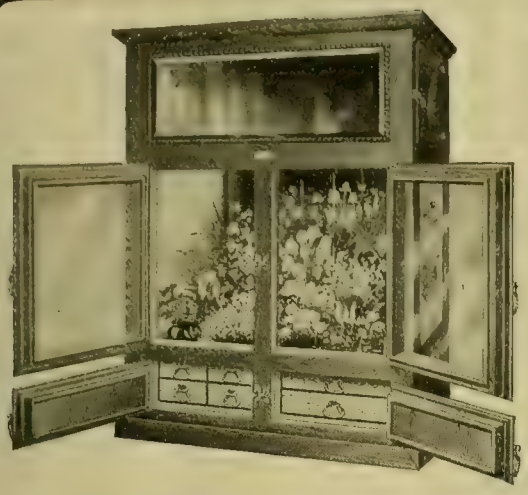

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are beautiful in finish, and substantial and durable in construction. They give an air of elegance to your store. They are lined with white enamel, or can be had with mirrors, tile, opal glass or marble interiors, to suit your taste.

McCray Florists' Refrigerators are made in a wide range of regular sizes for immediate shipment, or can be built to order for any requirement. There are no other refrigerators on the market which do better work for the florists, or are better made than the McCray.

Send for Catalog No. 71, which gives you all the details of this magnificent line of refrigerators, and will help you make the proper selection.

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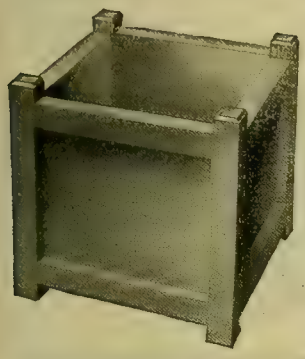

Large plants, Bay and Box trees, Palms, Hydrangeas, Agaves, etc. will soon need repotting. Use the

Mission Plant Box

It you want the most durable and appropriate box made. Very reasonable in price. Made of pine or cypress.

Write for prices.

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COLES & COMPANY

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Write for Catalogue.

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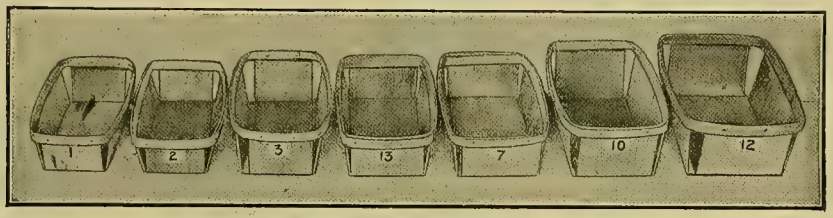

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No 2 is	9½ inches long,	5 inches wide,	3 inches deep,	packed 500 in a crate, per 1000..	8 00
No. 3 is	9½ inches long,	5½ inches wide,	3½ inches deep,	packed 500 in a crate, per 1000..	8 00
No. 13 is	10 inches long,	5½ inches wide	3 inches deep,	packed 500 in a crate, per 1000..	8.00
No. 11 is	10½ inches long	6 inches wide	4 inches deep,	packed 500 in a crate per 1000..	9 00
No 12 is	11 inches long,	7 inches wide	4 inches deep,	packed 250 in a crate per 1000..	10.00

With detached wire handles if required. $2.00 per 1000 additional.

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10,000, $1.75; 50,000, $7.50. Manufactured by

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Iron Reservoir Vases

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Lawn Settees,

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Artificial Flowers,

344 Ontario St., CLEVELAND, O.

Ironwood, Wis.—Richard Lutey, in the three years he has been here, has made a great success. He grows a general line, is much pleased with the prospects for spring trade, and will build additional glass in the near future.

Winona, Minn.—John Fuhlbruegge, of the firm of Fuhlbruegge Bros., is the proud father of a bouncing boy, born Washington's birthday. The Easter bulb and plant display of this firm is excellent, the lilies being especially good.

FORT THOMAS, KY.—Otto Bradley, an employe of Smith & Goekel, died suddenly at his home on Grand avenue March 18. Bradley was 46 years of age and single.

SAVE

FUEL, WATER, REPAIRS

HOW?

By Installing a

MOREHEAD TRAP

Write us for a 30 days' trial. We will place a trap in your heating system and will abide by your decision whether it pays or not. We know once you install a MOREHEAD you will never be without one—Investigate it.

MOREHEAD MFG. CO.

1047 Grand River Avenue
DETROIT, MICH.

Baltimore.

TRADE INACTIVE.

The past week has been one of warm, clear weather, entirely abnormal as to temperature, the mercury going up to 80° and vegetation pushing so rapidly that the chances seem a certain 100 to 1 that frost will catch the tender growth and fruit buds. Everything is pushing out with such a rush that the whole physical world has experienced a change in a single night. Within a day there have been copious and warm rains. Trade keeps inactive, while the supplies are growing in quantity. Outdoor bulbous stock from the south increases in volume and great quantities go to waste. The street venders complain of the dullness and push off their goods only by most arduous efforts and most depressing lowering of prices. The death tables show greatly diminished mortality, so that funeral demands are lessening and not many social affairs are being engaged in where flowers are used to any great extent.

NOTES.

An interesting discussion took place at the club meeting Monday evening on the subject of seedling lilies, which branched off into a general consideration of the commercial growing of bulbous stock, with its risks and disappointments. Great hope was expressed that the growing of lilies from seed will lead to escape from the disease which has made their forcing so unfortunate an undertaking in many instances. Lehr Bros. reported that they have several thousand seedlings growing, and all without signs of the disease which is the dread of growers.

Wm. H. Witte has been appointed gardener at the new grounds at Wyman park of the Johns Hopkins University. Mr. Witte is well known here, having been recently in the employ of Jesse P. King, of Mt. Airy, and formerly in charge of the greenhouse at the Industrial School at Hampton, Va.

The good-will, fixtures, etc., of The Fernery was sold by the receiver to Norris and Joshua Horner, Jr., who will continue the business, Miss O'Neill being in charge of the establishment.

S. B.

WINONA, O.—L. Whinery has started a greenhouse here.

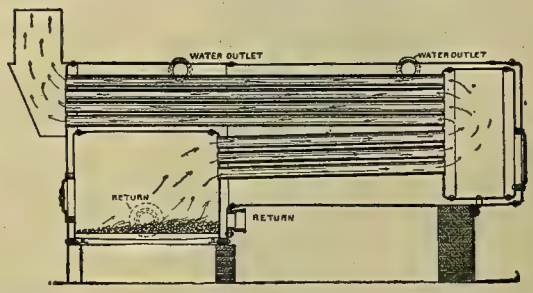
KANSAS CITY, MO.—Geo. M. Kellogg is on the sick list.

LOS ANGELES, CALIF.—Conscience-stricken and crazed by the knowledge that his financial entanglements had driven his wife into a suicide's grave, Henry Hyde Dwight, member of an old Boston family, committed suicide March 28, after a Pasadena constable had placed him under arrest on the charge of forging a check for $40. Dwight was a talented architect and landscape artist. He was a Harvard graduate, and with his wife moved in exclusive society circles here and in Pasadena.

THE SUPERIOR

Return Flue Fire Box Boiler.

Ask the man that knows. The names are yours for the asking of them.



12 of these were bought and used by one grower. 6 by another grower.

This boiler has given better satisfaction than any other boiler on the market
MADE IN EIGHT SIZES FOR HOT WATER.
Send for new catalogue and list of growers that are using this boiler.

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THE KROESCHELL BOILER

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HOT WATER BOILER.

We manufacture every type of boiler in use, but our greenhouse boiler, because of its special construction, possesses many advantages over any other type.

Prices and catalogue on application.

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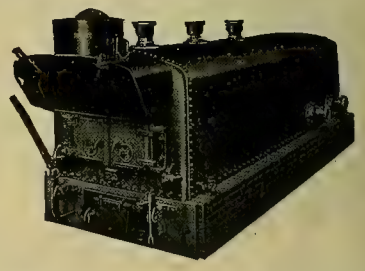

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If so

THE HOLLY STANDARD ELECTRIC CIRCULATOR will cure it instantly, perfectly and economically. Try it and prove it. Send for catalog to

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MYERS & CO. BUILDERS OF

Modern Greenhouses
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BOILERS.
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PHILA., PA.

FRESH WATER

WITHOUT STORAGE—DIRECT FROM the source of supply, throughout the nursery, by using the Perry Pneumatic water system. A new and simple solution of the water problem. Write for particulars.

UNITED PUMP & POWER CO
Old Colony Building, CHICAGO

BALTIMORE, MD.—During the fall and winter much work has been done at Homewood. The ground for the botanical garden has been graded and laid out. The clubhouse, which was built last summer, has been provided with baths, lockers and other conveniences, and the trees along Charles street avenue have been thinned out in order to promote the most healthy and attractive tree growth. Now that the alumni are taking an active interest in Homewood, it is probable that much more work will be done in the near future toward fixing up the university's future home.

STEEL RETURN TUBULAR

Steam BOILERS Water

WHAT F. R. PIERSON SAYS:

JOHNSTON HEATING CO., New York City.
Gentlemen—The internally fired steel boilers which you installed last fall are giving us great satisfaction. They heat very quickly and are very economical. We are exceedingly well pleased with them and they have more than met our expectations. Very truly yours, F. R. PIERSON CO.

Johnston Heating Co., 138 East 31st. St. NEW YORK CITY
Write for catalogue and prices.

GREENHOUSE GLASS

PRICES WAY DOWN! DON'T HESITATE! WRITE TO-DAY!

You have been waiting for just such a time as the present and unless all signs fail, you will make no mistake in buying for present and future needs. Tell us the sizes you use, and we will quote prices that mean business.

HOOKER'S GREENHOUSE WHITE

WHITE AS SNOW. READY FOR USE. TOUGH AS LEATHER.

Years of experience and study have produced this wonderful wearing white and you know it requires just as much time to put on a cheap paint as it does the best.

Half Barrels, (25 Gals.) per gal. $1.40. 5 Gallon Buckets, per gal. $1.50.

H. M. HOOKER COMPANY,

Long Distance Phone Monroe 4994.

120 to 128 W. Washington St., CHICAGO.

Cincinnati.

STOCK OVER PLENTIFUL.

The warm weather of the past week is causing a great deal of anxiety among growers of bulbous stock and unless we have some cool weather it is very doubtful whether or not there will be any bulbous flowers for Easter. Seasonable flowers of all kinds are plentiful and all wants are easily satisfied. We have a big glut of lilies, in fact, bulbous stock of all kinds is in over supply. While there is some improvement noted in the market the demand is intermittent. About every other day the wholesaler has to sacrifice his stock to move it. The supply of single violets has dwindled and from now on we have to fall back on the Poughkeepsie doubles if anything is needed in this line. Sweet peas are coming along in larger quantities, the supply being very much in excess of the demand. Sweet peas do not sell well until violets are out of the market. Snapdragon is proving a good seller and deservedly so for the blooms are certainly fine. Green goods of all kinds are good property while there is a marked improvement in the call for florists' supplies.

NOTES.

Bob Ruttle, the prominent florist of Covington, Ky., was among the callers last Saturday. This is the first time we have seen him for a month, but he will have to be excused as owing to sickness in the family and a whole lot of funeral work he has been kept busy at home. Joe Grimme, his faithful buyer, is a daily caller in the wholesale district and Mr. Ruttle places a whole lot of confidence in Joe, which is not at all misplaced.

Harry L. Sunderbruch, Jr., who served his apprenticeship in the florist business under his father, was a caller last Saturday. Although in the grain business and doing very well at Williamsburg, he still has a weakness for plant growing and will be building a few greenhouses in the very near future.

Ben Eschner, of M. Rice & Co., Philadelphia, Pa., was a caller this week and is very optimistic about the future. He says business with him has been far better than he expected.

Albert McCullough, who was in Chicago last week at the show of the American Rose Society, states that he doubts if the show could be excelled anywhere.

Mrs. H. A. Kresken, who spent the past summer with her daughter Ada in Europe, is thinking very seriously of going abroad again this year. She says the trip did her a world of good. S.

GLASS A and B Quality

SINGLE AND DOUBLE STRENGTH

CATCHY PRICES. QUICK DELIVERY.
WELL PACKED. NEAT BOXES.
CAREFULLY LOADED. MINIMUM BREAKAGE.

BAUR WINDOW GLASS CO., Manufacturers, EATON, IND.

The Johnston Glass Company

HARTFORD CITY, INDIANA,

Manufacturers and Jobbers of

WINDOW GLASS

For Conservatories, Greenhouses and Gardeners.

Special Prices on Hotbed Sizes. Standard Quality. Large Capacity. Lowest Prices.

The James H. Rice Co.

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GREENHOUSE GLASS

A SPECIALTY.

Window Glass, Paint, Putty, etc.

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SPRAGUE, SMITH CO.

Jobbers of WINDOW GLASS.

GREENHOUSE GLASS

A SPECIALTY.

167-169 Randolph Street, CHICAGO.

Louisiana Red Cypress

SAYS BOBBINK & ATKINS, of Rutherford, N. J., "Lasts with us from two to three years longer than any other wood for table purposes, and its life seems to be endless when used in ordinary greenhouse construction. We use cypress solely in our Plant Tub Department and manufacture tubs of all sizes from the smallest to the largest, of cypress."

It Is Best for Greenhouse Building.

It is the only wood that successfully withstands the almost intolerable alternate wet and dry conditions incident to this work.

IT IS THE MOST DURABLE WOOD KNOWN. Ask about it at your local lumber yard or write

LOUISIANA RED CYPRESS CO. HIBERNIA BUILDING, New Orleans, La.

The Allied Trades

Descriptive particulars—with drawings or photographs, if possible—of any new apparatus or device which may prove helpful to the trade are solicited for this department.

AN American consular officer in one of the Latin-American countries reports that information has been received at his office to the effect that a business man in the city in which he is located contemplates the erection of a cement plant. Manufacturers of the necessary machinery should address the man in question, whose name is on file at the Bureau of Manufactures.

Concrete in Greenhouse Construction.

Regarding utility and advantages of concrete in greenhouse construction, I am of the positive opinion that they are the cheapest benches in the long run. If we consider the short life of a wooden bench, and the high price of lumber, and the nuisance of reconstruction, we can readily understand the great gain made by concrete benches. They are really indestructible, and will last for centuries.

Another very important item is their cleanliness. No insect life can obtain a foothold anywhere. The possibility of thoroughly cleaning them whenever a cleansing is necessary, the advantage of putting them under water, or in other words, filling them up with water when necessity requires for the health of plants occupying the houses is an important advantage.

We have for instance at present a house of catalpas where saw-bucks have got into the pots. In order to destroy the saw-bucks the bench is filled with water, and the plants put on turned pots. With the customary traps used for catching them we will be able to kill all the saw-bucks, the possibility of any getting away being very improbable. Where the house is used temporarily for tropical plants that require a great deal of humidity the same method can be adhered to.

It is surprising how thin concrete benches can be built when reinforced. In this construction we used channel iron on which to lay the reinforced benching, but we have done away with this as it was possible for the bar iron to rust out after a certain period when not entirely protected from drip. In the newer construction we have done away with the bar iron, and the bar carrying the benches is a reinforced concrete bar which makes the whole bench one solid concrete construction.

JENS JENSEN.

THE FOLEY MFG. CO.

CHICAGO.

Completely Equipped with Up-To-Date Machinery for the MAKING OF MATERIAL FOR

GREENHOUSE CONSTRUCTION

FROM A FULL SUPPLY OF THOROUGHLY SEASONED LUMBER.

Send your sketches to our draughtsmen for completion and suggestion. Permit us to figure your proposed work large or small. **We Guarantee Our Prices Will Save You Money.**

Foley Ventilating Apparatus is the Best.

Is simple in erecting. Is easiest of operation. It will last a life-time. Its price is the lowest. Will ventilate any size house. Prices and circulars on application.

Our 1908 Catalogue Greenhouse Material sent postpaid on request.

The FOLEY MFG. CO. Western Avenue 25th and 26th Sts. **CHICAGO.**

LUMBER

for Greenhouse Benches, Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.

We are in special position to furnish **"PECKY" CYPRESS**; everything in **PINE** and **HEMLOCK BUILDING LUMBER.** WRITE FOR PRICES.

Adam Schillo Lumber Co. Cor. Weed and Hawthorn Sts., CHICAGO. Tel. Lincoln 410 and 411.

Louisiana Red Cypress.

In the opinion of many noted growers there is nothing in the way of lumber to beat Louisiana red cypress. One firm notes that cypress put down 12 years ago in plant benches is yet good, though hemlock and pine, formerly used, lasted from two to four years only. The same firm recommends it for ventilators and roof work. The well known firm of John C. Moninger Co., Chicago, uses it to the practical exclusion of all others, and have done so since 1885. This firm alone uses over 1,000,000 feet annually, shipping the finished product to Maine, to California, to Mexico and to Canada, and notwithstanding the various climatic conditions it gives satisfaction at all points. It is highly recommended in short by all the leading florists of the country. The Louisiana Red Cypress Co., of New Orleans, handle an immense amount of this lumber, the daily capacity of the company's mills being 3,000,000 feet of lumber, 2,500,000 shingles, and 1,000,000 laths.

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXX. **CHICAGO AND NEW YORK, APRIL 11, 1908.** **No. 1036**

THE AMERICAN FLORIST

TWENTY-THIRD YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—FRANK H. TRAENDLY, New York, Pres.; W. N. RUDD, Morgan Park, Ill., Secy.; H. B. BEATTY, Pittsburg, Pa., Treas. Next meeting at Niagara Falls, N. Y., August, 1908.

THE NATIONAL FLOWER SHOW.

CHICAGO, November 6-15, 1908.

Wm. F. Kasting, Buffalo, N. Y., is chairman of the general committee in charge. Chairmen of sub-committees follow:

EXECUTIVE AND FINANCE—Wm. F. Kasting, Buffalo, N. Y.

AMERICAN EXHIBITS—Ph. Breitmeyer, Detroit.

FOREIGN EXHIBITS—E. G. Hill, Richmond, Ind.

PREMIUM LIST—W. N. Rudd, Morgan Park, Ill.

ADVERTISING AND PUBLICITY—J. H. Burdett, 1411 First Nat'l Bank Bldg., Chicago.

LOCAL MANAGEMENT, PRIVILEGES AND CONCESSIONS—J. C. Vaughan, Chicago.

SPECIAL FEATURES—Otto G. Koenig, 6471 Florisant Ave., St. Louis, Mo.

RECEPTION—Aug. Poehlmann, Morton Grove, Ill.

AUDITING—J. A. Valentine, Denver, Colo.

TREASURER—I. C. Bertermann, Indianapolis, Ind.

The above chairmen have power to select their various committees from the general committee of 50 or the members of the S. A. F. at large.

"The Rose had been wash'd, just washed with
a shower,
And it seemed to a fanciful view
To weep for the buds it had left with regret
On the flourishing bush where it grew."

That Spring Fever.

I will go out to grass with that old King,
For I am weary of clothes and cooks.
I long to lie along the banks of brooks,
And watch the boughs above me sway and swing.
Come, I will pluck off custom's livery,
Nor longer be a lackey to old Time,
Time shall serve me, and at my feet shall fling,
The spoil of listless minutes. I shall climb
The wild trees for my food, and run
Through dale and upland as a fox runs free.

SUGGESTIONS FOR CUT FLOWER GROWERS.

Euphorbia Fulgens.

Euphorbia fulgens (Jacquiniæflora) is unrivalled as a bright red winter flowering plant for cutting from. Closely allied to the poinsettia it is totally distinct as a flower and the long shoots wreathed with bright scarlet flowers, well shown up by the deep green leaves, are among the brightest in existence. Cuttings inserted during this month will make fine stock. The old plants may now go into heat and plenty of cuttings will soon be forthcoming. Root these as advised for poinsettias and grow the plants on in the same way at first. But the euphorbia may be pinched once and three shoots taken up. Let them go straight away in a light position in a warm moist house. Some growers who have small span-roofed houses train them up under the glass and this is an excellent plan as it consolidates the growth as it is made, insuring that flowers in plenty and of good color will be produced. The plants may be grown in pots or planted out in a narrow trough-like box next to the glass. They take up little room this way and are so easy to do that there should be more of them grown.

Violet Propagating.

Nothing is gained by further delay in breaking up the old violet roots and propagating the young stock. Shake off the most of the soil from the clumps as they are dug from the benches and lay them on the surface, covering with mats or in some other way if the sun is bright. Get after them at once and cut the old clumps up. Reject the older portions with thick root stocks in the center of the plants and endeavor to get healthy young runners with a few fresh young roots. If the foliage is heavy on the single varieties cut a little of this away; on the doubles this will usually be unnecessary. Cold frames are the best places for starting young violets, but they also start well on a thoroughly well prepared border outside, not in the full sun if this can be avoided. Where stock of the double varieties is scarce the small points of the runners make useful stock in plenty of time for planting inside, and in fact will often produce finer flowers than the divisions. Root them at once in a cool propagating bench and when well rooted treat as advised for plants from division.

Perennials for Cutting.

A good herbaceous border, or beds of the best perennials for cutting, is a most useful asset in summer. One of the best plants is the single, brightly colored pyrethrum now grown in considerable quantity. Plants raised from seed last fall and wintered in frames or in protected beds may now go to their permanent position, one moderately sheltered if possible. The single and double forms like a good and moderately rich soil and the flowers must be lightly shaded to allow them to open slowly and come of the best color. Seedling delphiniums may flower a little, but are better for a season in nursery beds when they will be grand clumps for next season's planting. The deep blue forms are the most popular and these can be selected in the nursery beds this year and marked for permanent planting. Gaillardias, Shasta daisies, columbines, Coreopsis grandiflora, rudbeckias, Lychnis Chalcedonica and doronicums in variety are only a few of the most popular and best and a good stock of these help out nicely with annuals, such as asters, sweet peas and others at a time when indoor cut flowers are scarce. There is no better time for forming new plantations of the majority of these than the present, just as the growth is on the move and their culture, if gone into properly, is bound to prove remunerative.

Cattleyas.

Water cattleyas in accordance with the state of growth. As long as they remain in a dormant or partially dormant condition there is no need to water heavily; just keep the atmosphere moist and the roots on the dry side. When the new growths on C. Trianæ, C. Mossiæ, C. Percivaliana, C. labiata and C. Gaskelliana are a few inches in length and the roots from the base of these are pushing out into the peat, the water supply may be increased as it is evident that the plants are looking for moisture. The night temperature may be kept around 55° rising by day five degrees

when the weather is dull and more when sunny. Although somewhat erratic in growth the long bulbed section, comprising the popular C. Loddigesi (Harrisoniæ) usually keeps dormant later in spring than others. Let the plants have their own way and do not attempt to start them growing by increasing either the heat or moisture. Look out for signs of the cattleya fly: its presence is easily detected by the bottle shaped growths big below and pointed on top. When such are seen pull them off at once and give the plants a chance to make good from back breaks. The infested buds are useless. Newly imported plants, and plants in their second season, are the most likely to be attacked.

Bouvardias.

Where a light, suitable soil exists, bouvardias may be planted outdoors for the summer, where they will make a strong growth and fine plants for lifting in fall. Where the soil is not suitable it may be improved by adding plenty of peat, leaf mould and a little dried cow manure and made to work well by the addition of coarse sand. This is the best method of summer culture if flowers are not needed until November, but if they are needed earlier the plants must either be kept in pots or planted out on a bench inside. In the first case get the soil well prepared now, ready to plant out the young stock as soon as danger from severe frost is over. The plants in this case will not need potting but will keep going all right if well looked after for water. If they get a little hard they will soon grow out of it when planted out but they must not be allowed to form flowers as this is weakening. If bench culture inside is decided on make up a good holding compost and plant the young stock out at about 18 inches apart. Make the soil very firm in the benches and use the potting stick or rammer; when all are planted use a small rake and loosen the surface. After planting spray the plants regularly three or four times a day while fine but keep the roots a little on the dry side until well established. A good method of growing bouvardias, intermediate between the two, is to have beds made with a solid concrete bottom outdoors. Fill these with soil and plant in the usual way. The plants lift with magnificent balls of roots under these conditions and do not suffer as do those planted outside. In all cases the principal points in summer culture are to keep the plants growing freely by frequent spraying, pinching regularly to prevent their flowering and keeping them free of insects. Cool airy conditions are needed, if the plants are under glass, to produce a solid growth.

The Easter Lily in Decorations.

One of the most chaste and beautiful of all flowers, there is practically no kind of decoration or indeed any work of the retail florist for which the Easter lily is not suitable. It always sells well as a pot plant, its handsome deep green leaves making a fine background for the flowers while as a cut flower it is among the most popular of all. Although there is a certain amount of sentiment connected with an Easter lily, yet the flower is so beautiful that it would always be popular in any case, even without any sentiment to back it and probably no flower, not even excepting the rose or carnation, would be more missed by the florist who has much make up work to do. Imagine a retailer with large decorations to turn out, and minus the Easter lilies; he would be in worse case than the Israelites of old when straw was at a premium.

The flowers are excellent for large wreaths, a sheaf of lilies with their foliage giving a most chaste and artistic finish and there never seems to be too many of them. In pedestal shaped bases to large set pieces when the flowers have to be spread the lily is the only flower for the purpose. In crosses for funeral work customers often demand them; will not take anything else in fact, and there could be no more suitable flower to use as a tribute to loved ones gone before than the lovely Easter lily. Nor could there be anything more simple or more beautiful than these lovely flowers artistically disposed on a bed of green such as Asparagus Sprengeri. The Easter lily is never overlooked in a wreath or other floral device. It is the first flower one notices when looking at such work, though it is by no means showy. Deep down in everyone there is a sense of the fitness of things which is another name for an artistic sixth sense and the flowers of this lovely lily gratifies it, so that no matter what other flowers are present, the picture of the lily is carried away in the mind. It is this fitness for each and every case and the soothing effect upon the nerves that such beautiful flowers have, together with its unrivalled purity, that has put the lily in the prominent position it holds.

In plant devices such as those shown herewith the Easter lily is at once the most beautiful and most suitable kind, the one thing inseparable from success. And no matter what other plant is associated with it a harmonious effect is produced. At Christmas the showy poinsettia may be placed next to the lily and neither suffers by the contrast. The graceful heaths, primulas, cyclamens or any other flowering plants take on an added beauty by being associated with the lily, while there is no class of foliage plant or fern that will clash with it if proper care is taken. We present herewith illustrations of some pretty Easter baskets by Myer, Fifty-eighth street, New York, and these will show how well the Easter lily looks in association with other plants of a varying character, and, incidentally, are good specimens of the excellent work turned out by this clever florist. The short descriptions given are probably sufficiently indicative of the plants used.

EASTER PLANT BASKETS BY MYER OF NEW YORK.—No. 3.

No. 1.—Bronze handle basket comprised principally of Erica Cavendishi, Crimson Rambler roses trained on handle. Tied with white ribbon.

No. 2.—Composition box of lilies, spireas, Van der Cruyssen azaleas and funkias, tied with pale green ribbon.

No. 3—White enameled handle basket, composed of lilies, Baby Rambler roses and genista; tied with pale green ribbon.

No. 4.—Gilt handle basket composed of lilies, Van der Cruyssen azaleas and spirea, tied with white ribbon.

No. 5.—Box of lilies, spireas and Vervæneana azaleas, tied with pale pink ribbon.

ROCHESTER, N. Y.—The Commercial Florists' Association holds its meetings at 24 Stone street the second Monday in each month at 7:30 p. m. The officers are Fred M. Vick, 102 Flower City park, president; F. J. Keller, 25 Clinton avenue, vice-president; Geo. B. Hart, 24 Stone street, secretary and treasurer.

EASTER PLANT BASKETS BY MYER, OF NEW YORK.—Nos. 1 and 2.

THE ROSE.

Notes on Varieties.

MRS. JARDINE.

In reply to a recent inquiry for the cultural directions for Mrs. Jardine rose, now being introduced by Robt. Scott & Son, Sharon Hill, Pa., they replied that the culture is exactly the same as other winter forcing roses, such as Bridesmaid and Killarney, but that they run it mostly at the Bridesmaid temperature, which increases the size of the flowers. It is also a very strong grower and feeder. In the opinion of the writer, this rose should make a hit throughout the country, the color being a very clear delicate shade of pink, very large flower and an excellent keeper, with grand foliage.

RHEA REID.

The reply from the E. G. Hill Co., Richmond, Ind., as to the cultural methods employed by them, with their new rose Rhea Reid is as follows: "We have grown some two year old plants, bench of grafted and another of own-root plants this year and the rose has acted admirably in every case. Just at present the own-root bench looks a little the best and is in a very vigorous condition and full of bloom and new growth. We used sod taken from high, well-drained ground and, being of a heavy clay nature, we mixed with this about one-fourth of half decomposed cow manure, at the time of planting. In September we put on a 1½-inch mulching, composed of one-third screened sheep manure, and two-thirds soil. We have used liquid manure two or three times and we intend to put on a cow manure mulching before long, as the plants are ready for more feed. You will see by this that the rose is a gross feeder. We find a temperature of 56° at night is about right for Rhea Reid.

The rose is of so vigorous a habit and breaks away into new growth so readily that it is possible and even advisable to begin cutting flowers for market in August, and this can be done with perfect assurance that the rose will continue to produce flowers throughout the winter. The very full, double nature of the flower makes it an excellent rose for August and September cutting. The above includes all the special points relating to Rhea Reid, that we are able to give. Naturally the common sense methods of cultivation which apply to other varieties, will apply with equal force to this one. The better care the rose receives the better will be the result."

QUEEN BEATRICE.

After seeing Kramer's rose, Queen Beatrice, growing, we think it very similar in growth and habit to Mme. Chatenay. The growth is vigorous and was breaking freely from the soil when we saw it in February. Many canes had attained the height of five feet with perfect flowers. Naturally this rose is also a strong feeder and being such a deep pink in color and very original in this respect it will fill a long felt want among the pink varieties.

MY MARYLAND.

Another new rose, My Maryland, which originated with John Cook, of Baltimore, Md., is a decided winner. In color it is a beautiful shade of salmon pink very full and free, carrying grand foliage. This is one of the most vigorous growing roses we have ever seen, a strong feeder and good stem, very prolific. Easily propagated, either by grafting or by cuttings, and grows equally as well on own roots as it does grafted. This is a rose that we predict has come to stay. Mr. Cook has given us such roses as Kaiserin, Mrs. Robt. Garrett, White Cochet and many others of equal merit, and in giving us My Maryland we can be justly proud of it as it was produced on native soil, an American product. If John Cook and E. G. Hill can keep the ball rolling we will not have to cross the water for a new rose when we want it.

NOTES ON CULTURE.

Such letters as we received from the E. G. Hill Co., should be highly commended, as it gives both experienced and inexperienced growers a very concise idea of the cultural methods employed and will undoubtedly be a great help to those who are growing this rose for the first time. But, to come back to our standard varieties. Bride, Bridesmaid, American Beauty, etc.: It is now about time to apply a mulch all around as the stock on the raised benches will require root protection from the strong sunshine as well as the extra feeding at this season. An inch layer of half decomposed cow manure will be about the thing now on vigorous growing stock and if the manure is thoroughly rotted there will be no necessity to cover this mulch. But where the manure is fresh it should be covered with a light layer of soil, as when fermentation takes place in the manure, the flowers, as well as the foliage, are very often covered with minute specks which a layer of top soil will prevent. After one or two waterings through the mulch the liquid manure can be applied again and for the first three weeks the mulch should be worked over once per week, with the bands loosened up or the air will not have a chance to get through to the roots. Before starting to mulch, see to it that the buds are all tied back out of the way and that the surface of the beds is cleaned.

Allow the plants to have all the air possible at this season, both the stock and pot plants. Raise the ventilators as early as possible and cut off all artificial heat not required, early in the day. Harden up the growth to prevent mildew after firing ceases and gradually accustom the plants to the change that takes place after firing is stopped. This will require some care but by gradually running the fire for a shorter period daily,

as the weather grows milder, good results can be accomplished. The young pot stock should only be allowed one growth without shifting. Shift when the foliage of this growth is well ripened. Shift from 2-inch to 3-inch pots, 3-inch to 4-inch. This allows a layer of soil to surround the roots on all sides. A smaller shift does not work half so well, leaving no room hardly for soil. Special attention should be paid to the watering after mulching as it is a very easy matter to let the plants get too dry or to overwater them. Only by examining the soil carefully with the fingers, going over the ground slowly can one be absolutely sure about applying the water. Easter is gradually drawing near so look out for a good cut and have it in marketable shape. E.

Wyndmoor.

I had the pleasure recently of seeing flowers of the novelty among roses heading these notes and was more favorably impressed with it than ever. It was exhibited at the American Rose Society's exhibition recently held in Chicago, and awarded a silver cup. Its origin is interesting because the blood of two famous roses courses through its veins. The pollen parent is the great American Beauty, the rose that has made more money for the rose growers, dealers and the wholesalers of America than all the other roses combined, probably, and if the figures could be computed with anything like accuracy the profits on diamonds would pale into comparative insignificance. The seed parent was Safrano a good old favorite in its day, and still grown as one of the debutante favorites and as reminiscences for the belles of 30 years or so ago. So that we must all confess that it is well bred.

A celebrated rose grower of Massachusetts said when the rose William Francis Bennett was a novelty and its pedigree was being discussed "never mind the pedigree, can he trot?" Judging from the number of Wyndmoor that were cut by Myers and Samtman for Christmas there is no doubt on the score of productiveness, and the quick way it breaks after being cut, may be seen when examining it growing. It is a darker pink than Killarney and retains the color until fully open. It has more petals than the last-named favorite, and looks as though it ought to be equally as valuable for growing outdoors as for forcing. Indeed it was the bright color of the flowers as produced by the original seedling plant, growing outdoors, that first attracted the attention of the senior partner as to its possible value, and it is to be hoped that he will be well rewarded for his quickness of perception and that it will prove a valuable rose for the public. EDWIN LONSDALE.

Notes in Season.

The present is about the most interesting time of year to the rose grower and as busy a one as any. The stock, owing to the increasing light, is taking a brace and the color of the flowers is improving. Growth is, or should be, very free and there is an air of general activity that spurs the grower to do his best. The benches that have been flowering all winter will be improved now by a top dressing of good yard manure if this is to be had, if not, chemical manure must be substituted. There is, however, nothing so good at this time as a liberal dressing of cow manure. In the autumn or winter when more care is needed in watering and there is less light, bone meal and similar materials are all right, better than the solid manure, but now the light is increasing daily,

Easter Plant Baskets by Myer, of New York.—No. 4.

root and top growth are both active and the plants can take strong feed. In this we are presuming that the plants are strong and healthy. No practical grower would advise adding inches of solid manure to weak or badly rooted plants or any that are not thoroughly established.

Many strong shoots will be pushing up from the base of Bride, Bridesmaid, Mme. Chatenay, Richmond and other kinds. It is well to pinch the very strongest of these when about a foot

Easter Plant Baskets by Myer, of New York.—No. 5.

high. Just take the point of the shoot, no more. This will cause the shoot to break into about three and these breaks will be strong enough to produce very fine flowers. Where extra large flowers are needed for exhibition or otherwise the shoots may be left and disbudded in the usual way later. The shoots springing from the body of the plants will not, in most cases, need pinching, only the stoutest, vigorous canes that break up from the roots or collar of the plants. In cutting the flowers see that one or two good eyes are left on the current growth and never cut back into the old. As the shoots develop attend to the disbudding regularly, and at the same time remove any flowers that may have been left, though there are not many of these just now in most places.

Where American Beauty has been kept on the dry side overhead, red spider may be showing a little and careful spraying with the spray pump is in order. Heavy spray from the hose must not yet be practised though on an exceptionally bright morning one good spraying may do no harm and will do good in bringing down the leaves that are discolored and yellow, of which there are always a few even in the best managed plants. Some growers are using compressed air now to dislodge these dead leaves and an excellent plan it is. But it is better to let the leaves remain, or at least to remove only such as can be conveniently got at by picking and shaking the plants than to run the risk of washing them off with the hose and having the plants wet in the afternoon. Such practice frequently lays the foundation for a bad attack of black spot. A point for thoughtful growers to consider is how far the natural protection of the leaf is washed off by the constant spraying that goes on, thus leaving the leaf unprotected and at the mercy of insect and fungus attacks. It is quite certain that solid, healthy, vigorous foliage is far more disease and insect resistant than leaves that are constantly and heavily sprayed and therefore thin in texture.

Care of the young stock is now an important part of the grower's work. The cutting beds must be kept moist; more cuttings are annually lost by allowing them to get dry before they are callused and commence to root than by any other detail of mistaken culture. They must also be frequently looked over and any that have failed removed. Do this before watering and the water will then resettle any of the sand that may have become disturbed. Shading must be carefully attended to, but the paper, muslin or whatever is used must not be kept on during dull weather. What is true of the cuttings is also true of the young stock in the earliest stages. The plants must not be waterlogged, and an occasional drying is necessary, but the young roots must have the moisture if they are to extend and establish the plants. A careful grower can see at once, by the look of his plants, if they are getting too much and will diminish the supply before any harm can be done, but there must be plenty of moisture or but little progress will be made. Once the plants are well established in the small pots they soon need a shift into larger ones. If allowed to get hard in these first pots the growth gets hard too and the plants will not start away freely. Watch for the slightest trace of mildew in odd corners and sulphur the pipes at night. A little sulphur kept constantly on the leaders around any places very susceptible to mildew also acts as a preventive.

FLORISTS' FERNS.

Nephrolepis.

For many years past various members of this interesting and beautiful group of ferns have been found in plant collections, though it is only during the past 10 or 15 years that they have attained to great prominence as commercial plants. The oldest species in cultivation is Nephrolepis exaltata this having been introduced more than 100 years ago. It is not only very widely spread in the tropical portions of the globe, but has also produced more useful varieties than all the other ten or more species in the genus. It is from this species, N. exaltata, that we have the famous Boston fern, also N. Scotti, N. Piersoni and its several sub-varieties, and the two or three Barrowsi forms, besides some others of European origin. Up to this time, N. exaltata has proved to be the most variable of the nephrolepises, but it is quite possible that some of the other members of the genus would also prove variable in form were they grown as extensively, and under similar conditions to those now given the exaltata group.

The original N. exaltata is seldom seen in commercial establishments in quantity at the present time, the Boston fern and its various sports having taken its place, and these are still among the most popular of ferns for household decoration. Among the plain leaved forms of N. exaltata the Boston fern and N. Scotti are undoubtedly the best, the first named being especially adapted for large specimens, and the second, with its compact growth and numerous fronds, making an admirable plant for a 4-inch to an 8-inch pot. Of the varieties with subdivided fronds there are several that are very beautiful when well grown, N. Piersoni elegantissima and N. Whitmani being among the best, while the later Pierson introductions and also N. todeaoides, the latter a European form, each have their champions. The chief fault to be found with these heavy-fronded varieties is in the fact that, when they are placed in the subdued light of a dwelling, the fronds either fall down from their own weight, and thus spoil the symmetry of the plant, or else they are liable to rot in the center and either of these troubles makes them less satisfactory in the house than the Boston or Scotti varieties. But the value of these ferns as house plants depends very much upon the manner in which they have been grown, for in order to have tough and enduring foliage, they should be grown in full light, given a fairly rich compost, and be thoroughly established in the pots in which they are sold. The latter provision is one that is sometimes lost sight of by those who persist in planting out these ferns on a bench during the summer, then potting them up in the fall, and frequently selling them off as soon as they are rooted through. This method of culture gives a good looking plant, but one that seldom lasts long under the trying conditions that obtain in the average dwelling.

For the purpose of getting up a stock of any of the nephrolepises there is no better method than that of planting out the stock plants on a bench containing four or five inches of good rose soil, keeping them moist and giving a night temperature of 60°, with plenty of air day and night whenever the weather will permit it, and full exposure to the light. Under such conditions the nephrolepises will grow rapidly, and soon produce an abundance of runners from which young plants may be obtained. The young plants should be potted into small pots and protected from the sun and draught until they are established, after which they should be given the same conditions as that noted for the parent plants.

When well rooted these young plants should be potted on, and, to produce bushy plants in the shortest possible time, it is a good plan to pot two or three of the young plants together in a 4-inch pot, shifting them on into 6-inch and 8-inch as may be necessary, giving the growing plants space enough to develop. When they become potbound they will be improved by feeding with liquid manure, but this should be done with judgment, as too much feeding makes them soft and liable to drop their pinnules.

Thus far, special reference has only been made to the members of the exaltata group, but there are several others that are grown in greater or less quantity. Among these is N. davallioides furcans and a form of that variety known as plumosa, both of which are strong growing and handsome plants, with long and graceful fronds, the latter being light green when given plenty of sunshine, and having the tips of the pinnules so much forked as to give them a crested appearance. N. rufescens tripinnatifida is the rather unwieldy name of a beautiful fern that is more frequent in private collections than among commercial growers. The stems of this fern being rufous, or covered with short reddish hairs, while the fronds are much divided at the tips of the leaflets, gives an ostrich plume effect. This fern is said to be a form of N. acuta, and was introduced some 25 years ago.

N. cordifolia is a well known and widely distributed species, and is one that may be very readily propagated from

EASTER PLANTS.
We l Flowered Plant of Crimson Rambler Rose.

spores. It is not unusual to find this fern coming up on or about newly imported cycas stems from Japan, and, as its seeds so freely, the seedlings frequently appear in quantity on the benches of a house in which it has been grown. This species is also known as N. tuberosa, from its habit of producing small tubers on the roots. Some sub-varieties of this species are also found in commerce in the form of N. pectinata, and N. cordata compacta, both of which are dwarf-growing and compact varieties that make very attractive plants for small ferneries.

N. Duffi, a small growing, crested variety from New Zealand, is now claimed by the botanists to be another form of N. cordifolia, so here again we find the variable character that has already been noted in connection with N. exaltata. N. Duffi is a very pretty little fern, but not grown extensively as a trade plant, and perhaps if one were tied to two or three varieties of these ferns as a business proposition, it would be safer to stick to N. Bostoniensis, N. Scotti and N. Whitmani than any other trio thus far known.

W. H. TAPLIN.

THE CARNATION.

Notes in Season.

A big crop of flowers appears to be general at present, consequently prices do not hold and large quantities of fine blooms are being sacrificed at a low figure, but this should not cause one to be neglectful of the plants in any way particularly now that the sun has greater power and the days are longer than a few weeks ago. Anyone having charge of large numbers of plants knows well what a task it is to keep the flowers cleared from the plants while they are in good condition, but there should not be any let up on this, even though the demand be not what one expects it to be. It is far better for the plants in many ways that all blooms be cut as they are ready; to allow old flowers to remain on the plants provides quarters for thrips and other pests. The weather almost every day now permits of plenty of ventilation being given, and this should be taken advantage of. It not only holds the crop and improves the flowers, but rejuvenates the plants, which they are in need of after their winter's work. Do not let up on the disbudding; also see to it that the shoots are kept in place as the rapid growth now going on quickly causes them to need attention.

Extra stimulant may now be given the plants by means of surface dressing. If the plants are well in bud and bloom with an abundance of new growths coming up they are in the best possible condition to receive extra nourishment. At this time we advise giving the beds a light dressing of pulverized sheep manure or bonemeal, making an exception with plants that cuttings are still to be taken from, as we find that cuttings taken from plants shortly after they have been given fertilizer are hard to root at this time of the year, due no doubt to the growth being so very active. Owing to the fact that less artificial heat is necessary to keep up the required temperature the beds do not dry out as fast, yet, with the extra ventilation and more sunshine, it is natural to expect the contrary to be the case. It is our experience that, if anything, a little more judgment is now called for to keep the soil in the proper condition. These spring-like days sets one thinking about putting on shade to hold the color, particularly with light and dark pink varieties, and if we were sure of continued bright weather for any length of time we would advise putting on a shade at once. But with houses that allow for an abundance of ventilation we advise going a little slow as yet with the shading, until the weather is more settled.

Unless the propagating has been finished that part of the work calls for the closest attention to finish it up as soon as possible, as the time for successful rooting is getting short. Even now the cuttings will need closer watching and heavier shading, also extra guarding against draughts. Any cuttings already rooted in the sand should be potted without delay, the root action being very rapid after it has once started. If allowed to continue long in the sand the plant is going to be a weakling for a long time. The young stock in pots on benches should be treated to a cool temperature with plenty of fresh air on all favorable occasions. They must receive attention in due time as regards topping the growth back. The greenfly will commence to work on them if not kept in check by frequent fumigation.

C. W. JOHNSON.

Notes on Varieties.

Notwithstanding the low price of blooms, it is gratifying to note their splendid quality and the advancement of the past few years. Time was, and not so long ago, that Lawson was about the only carnation of that shade of pink that was considered to be entitled to be classed as a fancy. Lawson in the past has played a worthy part, and its passing out will doubtless cause much regret, but that it is passing, there can be no room for doubt. The next question is, which of the new ones will take the large place it once filled?

The various owners of the "best" Rose Pink Enchantress should hold an exhibition of their own and have competent judges decide which is the best and drop the others. It looks as though we were approaching a muddle for the trade, in the claims and counter-claims over this variety. I have heard complaints that Rose Pink Enchantress is a poor keeper.

Winsor is a shade of pink that is very popular. Though there are others of its class that show larger blooms it holds a good position in the esteem of retailers and the flower buying public. It seems unfortunate that plants of the varieties Alma Ward and Mrs. C. W. Ward have never been disseminated. Both are varieties of unquestioned merit and the trade in general should have an opportunity to handle them.

The above reference to Rose Pink Enchantress may also be applied to White

EASTER PLANTS.

Forced Lilacs and Ferns in Tub

CHAMPAIGN, ILL.—Prof. J. C. Blair, chief of the department of horticulture of the university, is well pleased with the result of the meeting of the state horticultural advisory board, which approved all that had been done and recommended that the work be continued along the same lines as during the past two years.

Enchantress. Already we are beginning to hear from the "only" White Enchantress. Both Boston Market and Lieutenant Peary, in the hands of competent growers, are showing fine staying qualities and an abundance of bloom, and seem far from being counted out as paying commercial whites. Beacon is making a great run for first place in the scarlet varieties. This is no reflection on Victory, Red Chief and other varieties, which have good records.

Easter Lilies from Seed.

Much interest has been shown in the past few years in this country in the production of lilies from seed, experiments of the Department of Agriculture in this direction heretofore referred to in the pages of THE AMERICAN FLORIST having given an impetus to efforts along the same line. Amongst those who have carried on these experiments is Frederick C. Bauer, of Govanstown near Baltimore, Md., who has been very successful in producing some fine flowers, homogeneous in type, thick in texture, and borne on stems of good height and strength. The illustration herewith shows one of his best plants. The first seed came from the original crossing of L. giganteum and L. mulitiflorum. The seed of the earliest flowering specimen resulting was sown and the flowers it produced were fertilized with pollen from a good form of L. Harrisii (from Bermuda stock). Then two of the resultant plants, which proved the best and earliest, were again crossed, the strongest being selected as seed-bearer. One plant produced from this crossing—that shown in the engraving, made from a photograph—produced stems five feet four inches high, and bore 42 perfect flowers. Fourteen of these flowers were permitted to produce seed, which, planted in turn, gave a large number of plants which have flowered abundantly. The type was by no means fixed, great variety being exhibited in the length of the stem of the individual flowers, many of these measuring from 15 to 18 inches from the main stalk to the heel of the flower, which adapts the bells for cutting and using singly. The greater proportion of the flowers are borne at an incline or angle from the main stalk of about 45°, while in other types the flowers set on squarely.

The seed is sown in August; the plants, as soon as well established, are transplanted into thumb pots, shifted in the spring, and grown right on. The general experience, so far as evoked, has been that the flowers grown in this way lack uniformity; but Mr. Bauer has found that this can be secured by a process of careful selection so that the bulbs will produce as great or even greater uniformity as the bulbs usually found on the market. It is noticeable that the foliage grows from the ground and there is no disease at all. The plant shown was repotted after the first summer's rest and grown on, producing four bulbs which measured, as they grew in the pot, just 18 inches around. Mr. Bauer has planted this year something like 3,000 of his seedlings and the extension of his operations is looked for with great interest. The bulbs that are about flowering now are of the fourth or fifth cross, and of these the best and earliest individuals will be selected and fertilized again; from the seed thus secured still another crop will be raised.

S. B.

SEEDLING LILY—L. GIGANTEUM × L. MULTIFLORUM.
Raised by Frederick C. Baur, Govanstown, Md.

THE RETAIL TRADE

THE forced double red thorns—often labelled crab apple blossoms in retail stores—are very pretty, though the shape and growth of the plants leaves much to be desired in many cases.

MOST beautiful effects may be produced with the bright yellow daffodils, such as Golden Spur, and blue forget-menots. These are more suitable for daylight decoration than using under artificial light.

A Milwaukee Table Decoration.

At the recent magnificent dinner party at the Hotel Pfister given to Milwaukee friends by Jas. B. Regan, proprietor of the Hotel Knickerbocker, New York, the table was spread beneath a great umbrella of American Beauty roses and daffodils and had for its center a miniature lake 20 feet long and three feet wide, spanned by two rustic bridges and lined along its banks with moss and water lilies. Ducklings and goslings swam about in the water and therein a fountain played. Strings of smilax were festooned from the corners of the table to the sides of the room, which were banked with palms and ferns among which glowed myriad electric lights. The decorations were executed by Mrs. Miller, the Pfister florist, Aug. Kellner supplying the plants.

Fine Floral Designs.

The accompanying illustrations give a good idea of the excellent work turned out by the Alpha Floral Co., of Kansas City, Mo. The horseshoe was made for one of the Sells Bros.' sons and the name "Chesterfield" was that of the famous horse he rode. We are indebted to A. Elberfield of the above firm for the excellent photographs from which the illustrations were prepared.

A Buffalo Florist's Window.

The accompanying illustration shows the window of W. J. Palmer & Son's fine floral store in Buffalo, N. Y., as it was decorated at the time of the dog show recently. Anything well done and up-to-date, as this firm always is in its decorations, is bound to pull. Another fine window was arranged for the automobile

show, a lady sitting in an automobile, all full size, the automobile being made of carnations and galax, the frame being the work of the firm's own wire-worker.

The Rose for Decorative Purposes.

A paper read by J. F. Sullivan, Detroit, Mich., at the ninth annual meeting of the American Rose Society, held at Chicago, March 25-27, 1908.

In attempting to treat this very broad subject, many phases of it appear for the consideration of the essayist, and the introduction of anything that is really novel seems most difficult, but if the mere recital of that which is well known, and the awakening of increased interest in the subject, is, as I believe, valuable, the paper may be entitled to a place in the report of the proceedings of this society. It will be observed that the question is viewed from the position of a retailer of cut roses chiefly.

The present great extent of the rose trade was developed by many contributing factors, but I believe the chief of these were the pioneer retail florists, who in their time were the first to realize the commercial possibilities of the queen of flowers. To these men is due the honor of having appreciated the full worth of the rose, and laid the foundation of its illustrious career. They loved the rose and had faith in its future, and no unfavorable circumstance deterred them in advancing the prestige of their adopted flower, nor from courageously asking a price for it commensurate with its actual value as determined by the cost of production. Many of these pioneers have passed away, but their work is perpetuated, and their monuments are seen in the present magnitude of the rose industry. These enterprising, far-seeing retailers in the early days of their experience were quick to perceive the manifest delight and approval of their discerning customers on being shown a rose of more than ordinary size and beauty, and thus encouraged, they in turn urged the growers on to increased efforts, and the latter, stimulated more by the prospective reward than the love of their productions, continued to improve the existing varieties of roses, and by the repetition of these progressive steps in the eastern cities, chiefly Boston, there was created the substantial beginning of the evolution of the rose in this country, which has continued to the present day. Those were the days when reigned old Safrano, Isabella Sprunt, Bon Silene, Cornelia Cook as forcing varieties, and the annually forced crops of Gen. Jacqueminot, Anna de Diesbach, Baroness Rothschild, Merveille de Lyon and a few other hybrids.

REASON FOR POPULARITY.

And here is suggested the inquiry, Why have the retailers in the early days of floriculture, and continuing to the present time, selected the rose as the basic element in their business careers? Why have they continued to maintain the rose most conspicuously before their trade? Why are so many florists today, while not ignoring the increasing value of many other branches of the business, making roses a specialty and succeeding in their efforts to permanently popularize them? Because the retailers wisely view the rose as their chief asset in merchandizing. Without it, their place would be devoid of the essential attractiveness and proper equipment of a floral store. As an article of merchandise or practically considering it, the florists realize that in no other stock of cut flowers can they operate with the same degree of immunity from possible loss that the rose gives them. They can, as every florist well knows, stock up with a supply of tight cut buds, which, being at once saleable, continue to actually improve on their hands for several days, more or less, according to the season and varieties, before they begin to decline, and even then they are just about in the right condition for that funeral offering for which he wisely suggests them. For shipping long distances, no flower is more suitable or certain of satisfactory results, viewed alone upon its splendid keeping qualities. Retailers of the seaboard cities use roses almost exclusively in their so-called "steamer trade."

KEEPING QUALITIES.

I am reminded of the case of some blooms of Richmond being shown at a meeting of the Detroit Florist Club three years ago. The same flowers, after being kept in a refrigerator, were shown at the exhibition of the American Carnation Society in Chicago eight days later. This trait of the longevity of cut roses in good condition, which reduces its imperishable nature to a minimum and commends it so highly in a practical sense to the retailer, while in his possession and that of his customer, but also when the question of the dealers' supply is considered, as the rose can be shipped to him, if necessary, by his grower situated far away, and the availability of the rose in all seasons adds great value to his chief commodity in stock.

On no occasion of the many where flowers of some kind are used is the rose ever considered unsuitable or inappropriate. The retailer fully appreciates the appropriate character of the rose for all purposes of decorative effect, and its unequaled position without a worthy rival in the affections of the greatest portion of humanity. The florist can in all sincerity suggest the rose as the friendly gift, the christening of either the baby or the vessel, and for the hand of the bride it is most essential. We can select it as the message to the sick room, and with equal propriety use it as a mark of condolence and respect to the dead.

Indeed, were the rose eliminated completely from the mountain of retail floriculture, the cavity would be so great it would be difficult to properly identify it. These and many more that may be named, are the reasons why the retailers look upon roses as being the most reliable, valuable and indispensable of their merchandise.

Keeping pace with the evolution of the rose in the various degrees of its advancement came the improved methods in decorations, and here, too, the queen of flowers plays a most conspicuous part. In the richness of its individual beauty, clothed alone by its own rich foliage, it enables the decorator to carry out, better than with any other flower, the idea of a modest, charming simplicity in decorative effect, with the most satisfactory results. How frequently we are asked to adorn a person, a picture, a mantel or other object with "just one rose," so exquisite and impressive in its simplicity.

DESIGN BY ALPHA FLORAL CO., KANSAS CITY, MO.

VARIOUS USES.

In depicting the part the rose plays in elaborate decorations, we may say the world cheerfully concedes the tribute this flower alone deserves above all others, it being the very essence of decorative effect in whatever manner it is shown. The individual flower, the vase of them, the bank of roses, or baskets of the same, and it is doubtful indeed if there can be found in any part of the country a retailer whose establishment lays claim to being first class in its appointments, that does not give roses pre-eminence of importance in his store as a result of the recognition of their value fundamentally in decorative effects.

And this is not surprising when he considers the distinctive beauty and striking grandeur of the rose itself, stripped of all sentimental significance attached to it in ages past down to the present time, and even momentarily ignoring its delightful fragrance, ever present and welcome, in some degree of intensity, and standing alone in its purely decorative character, it challenges the unvarying admiration of all who behold it. Oftimes this admiration and devotion approaches the highest degree the heart is capable of.

And to what grandeur of elaborate decorations is the rose not capable of? With its gorgeous rich colors in many hues, the most exacting detail of elaborate effect is feasible. It yields itself gracefully to any situation, and in no place, either parlor, church or hall, will the rose fail to produce the acme of elaborate decorative effect. Any one of the many beautiful varieties, without the accompaniment of other flowers or floral accessories, is equal to any occasion when the perfection of floral beauty and magnificent splendor is desired. The florist who has much work in this line frequently meeting with situations where the room furnishings or other unfavorable conditions render the case difficult of solution, has but to turn to the "queen," which comes to his relief in whatever color the case demands, and the achievement of elaborate effect with ease is accomplished.

Other flowers may in their respective seasons find a measure of favor, usefulness and even popularity with the lovers of the beautiful in nature, and in decorations you may mix them in an incongruous mass without doing great violence to their individual character, but the rose alone cries out pleadingly for a position of isolation, where, unaided by associates, ribbons, ferns or other accessories, the rare, unrivaled splendor and magnificence of its decorative effect is most pleasing and appreciable. Indeed, the champions of no other flower would have the courage to question the supreme and exclusive position of the rose when considering the greatest achievements possible in elaborate decorations of the present day.

PERFECTION OF BEAUTY.

But it is not alone the practicability of the rose, it being the corner-stone of his business edifice, that makes it interesting to the retailer. He, with the whole civilized world, recognizes the perfection of its natural beauty and the inexpressible thrill of joy experienced by those who behold it in its magnificent and unequaled splendor. The florist presenting the rose, fair, fragrant and exquisite, offers no apology when advancing its fame as the queen of flowers, always encouraged and confident that no flower grows that can excel the rose, and where an occasion is presented when it is desired to express purity of life, a stainless character, unquestioned integrity and virtuous career, we turn instinctively to the emblematical flower, the pure white rose. The rose is beautiful, even in its dainty promising bud, the half or full open flower. Indeed, the great artists often select the latter as subjects for their finest work, and not infrequently do we see some varieties in the very last stages of their development and even bordering upon decay, yet embodying the very perfection of floral beauty, and when we consider the esteem in which it is universally held, the admiration and devotion it excites in both the rich and the poor, its unchallenged position as symbolical of innocence, purity, beauty and sweetness of character, the joyous hope it carries to the sick and afflicted; when we consider all these precious attributes of the rose, we are not amazed at its wonderful and ever increasing popularity.

DESIGN BY ALPHA FLORAL CO., KANSAS CITY, MO.

Retailers view with pleasurable gratitude the powerful agency of the flower shows in the development of the rose, and the maintenance of its popularity. In the early days of the rise and progress of this flower, industrially speaking, the retailers were more conspicuous for their zeal in using these shows as mediums to strengthen their individual work in behalf of the rose than they are at the present day, and the retailers are forced to admit the increasingly active participation in these events by the enterprising rose growers, and gratefully acknowledge the great good they are doing of a most permanent character.

ROSE NOVELTIES.

At the same time, the retailers deplore the seeming indifference of many growers in the important matter of providing them with more of the novelties in roses, the necessity for which is most apparent. So pronounced and general is this interest, and indeed eagerness of the rose patrons to satisfy their delights in new varieties, that I venture to say that, were some of the once favorite roses that are now relegated almost to oblivion, and which the so-called up-to-date grower of these times would disdain to grow, resurrected, they would find a ready market and many warm, appreciative friends among rose enthusiasts. As an example I might cite the case of Bon Silene, which is now grown in some quarters and is meeting with an encouraging demand. And in considering the adoption of varieties to meet this changing taste of the people, it is well to remember that it is not the size alone that constitutes the chief elements in a beautiful and most acceptable rose, as is clearly and constantly shown by even the most fastidious patrons of the retail stores while making their selections.

The public are craving for novelty—something different from the monotonous few varieties that greet them on their recurring visits to the floral store. Any of the older varieties are sufficiently attractive to the casual buyer, but the steady patrons who are our most valuable ones, must be shown something new to hold their continued and increasing interest in our chief commodity. As an evidence of this tendency on the part of a large portion of the flower lovers for variety and novelties, witness the in-

creasing interest shown by them the last two or three years in the dainty pompon and anemone chrysanthemums, and often by identically the same persons who formerly sought the largest specimens of that flower at the time obtainable. Even the now commonly grown Crimson Rambler, how frequently it is used in most important social functions for its decorative effect in preference to the concededly more beautiful varieties, simply because, for the time being, this rose carried with it the element of novelty. How eagerly would the rose enthusiasts today seek the beautiful hybrid roses, as they were formerly grown, if they were now available. These are the elements of the changing character of our retail business, which serves to sustain our conviction that if we should broaden the scope of the rose and still further popularize it, we must create greater diversity in the productions we offer.

TOO FEW VARIETIES.

If rose growers who are devoted to the production of cut blooms alone believe, as they evidently do, that a list of a half dozen varieties of the same, embracing merely the primary colors, will, even if ever so well grown and beautiful, satisfy the exacting taste and aesthetic inclination of the flower loving public, I would ask, how can they reconcile such a theory with the most palpable contradiction of it, when we consider the marvelous expansion of the rose plant industry as shown by the firms issuing catalogues? Many of these will tell you that they enjoy the continuous patronage of their old customers chiefly by the latter's intense interest in the newer varieties of roses as they are annually offered.

But the experimenting must be the burden, if we may so call it, of the growers. They must take the initiative steps. The retailers, zealous as they are, cannot afford to offer to the public a variety having only an imaginary existence or merely prospective value. To the timid but perhaps well-meaning grower I would say: Try out the new varieties giving promise of a good future; give them a fair and honest trial without prejudice, not as we too frequently see growers half-heartedly assigning the most unfavorable spot in their greenhouse to a few dozen plants of a novelty and thereafter being daily disturbed with suspicions that the stranger among his pet varieties is only another fake, and after a brief experience, seems only too willing to denounce it to other florists and exultantly proclaim that he knew it was no good when he bought it.

KILLARNEY.

As an illustration of the respective attitudes of the retailers and many growers I will cite the case of Killarney, a variety the superior merits of which are now universally conceded. Witness its struggle for the recognition deserved. Soon after Killarney's introduction in this country, about nine years ago, a few growers experimented with it in a limited way. The keen, well trained eyes of the retailers, who by chance came into possession of the cut blooms, recognized instinctively their rare beauty and prospective value, and, true to the enterprising methods that had already gained for them a big rose trade, they soon acquainted their customers with the distinctive finished beauty of the novelty, the supply of which is as yet limited. The increasing popularity of this variety and the consequent demand for it kept much in advance of the supply, which fortunately improved rapidly in the hands of but a few growers. Retailers everywhere urged more growers to plant it. The latter, nevertheless, were distrustful, and persistently refused to give it a fair trial, and in this case, as in many others, totally ignored the advice of the man behind the counter. One grower would say that it was too short stemmed, another called it a cropper, and another thought it a shy bloomer. A few wise ones thought that we had too many pink varieties, but in the meantime a few real wise ones—growers and retailers alike—were doing a big business in Killarney and incidentally advancing the popularity of the queen of flowers and aiding floriculture generally.

The growers' indifference to the constant pleadings of the retailers to awaken to the importance of growing varieties that would be particularly available in the warm summer season, has delayed inexcusably the full development of the lucrative trade for both grower and dealer that is attainable during this period. The present growers cannot justify their lethargy in the past in this respect by the absence in commerce, as they allege, of such varieties as will by their productiveness, color and quality commend them for the purpose named.

ROSES FOR THE MASSES.

The retailers often wonder, when contemplating the indisputable proud and exclusive position the rose holds in the hearts and minds of the people, what would be the extent of the commercial importance and increased popularity of the queen of flowers were it not for its present prohibitory price to the masses, which operates to its disadvantage, commercially speaking. With that barrier removed, appears to them visions of acres of glass being annually added to the existing large area now devoted to its culture, and the additions of thousands of florists engaged in this healthful and profitable industry, and in view of the vast strides made by hybridizers in recent years, may we not reasonably expect that a type of rose can yet be brought out which, in addition to the quality of the flowers, will also be sufficiently productive to allow them to be sold at a price that will place them in the hands of the masses, and their popularity thus extended to the full gratification of every lover of the rose? And this blessing may by the same process be extended to the multitudes of homes where outdoor culture of the rose is possible, were the suitable varieties available.

How frequently on our premises the prospective buyer who is viewing with delight a splendid blooming plant of, say, Frau Karl Druschki, asks if it is hardy. We proudly answer in the affirmative and prepare to take an order. When again questioned, "will it bloom again this season?" we reluctantly answer in the negative, as we see our prospective sale fade away. There is where we are deficient. We have not yet adjusted our productions to the actual requirements of the people we attempt to serve. We cannot expect amateur rose growers and the general public to purchase and be satisfied with such varieties that even in the hands of skilled florists will not succeed under similar conditions. And considering the retailers' part in the future, no one can question the wisdom of carrying forward with still greater vigilance and enthusiasm the splendid work on identically the same lines of those pioneer retailers referred to, whose careers were so strongly characterized by eminently successful results.

ADVERTISING.

In continuing the practice of those methods let us not deceive ourselves as to their sufficiency, unsupported in these times. For to maintain the same state of advancement we must enlist some of the means made necessary by the progressive spirit of the day. The exploitation of our wares being essentially a commodity of luxury, calls for our very best efforts to impress the public with their beauty and the multiplicity of their uses. We must show our finest, and encourage the admiration and consequent use of them. We must advertise; the day is upon us to employ printers' ink; our stores and stock must be made familiar with the people; we must acquaint the daily press with the current news concerning the rose—its development, its beauty and increasing popularity, and indeed it is a sad commentary we are forced to admit, that of all the matter recently appearing in the daily press and monthly periodicals, columns, yes, pages of it relating to the rose, either culturally or descriptive and eulogistic of it as the queen of flowers, very little, if any of it emanates from the great army of florists whose interests are so materially enhanced by such publicity, which, in other words, is real advertising, without any cost to the negligent beneficiaries. And if the retailers would maintain their coveted position as the leaders in popularizing the rose in the future as in the past, they cannot ignore this powerful assisting agency so universally available.

The identification of florists with the civic improvement societies now everywhere so popular and aggressive in their work, is another means by which our business may be greatly helped. All this

WINDOW DECORATION BY PALMER'S, OF BUFFALO, N. Y.

For the Dog Show.

PARTIAL VIEW OF G. C. C. SCHRADER'S RANGE, ELMHURST, N. Y.

missionary work must be carried on in the future as in the past by the retailer and even with more energy than formerly, for the grower, broadly speaking, is not known to the public or its quota of flower buyers, except the growers of Chicago and vicinity, who seem to be as successful in exploiting their work through the daily press as they are in carrying it on under their immense areas of glass. The retailer has an established identity. He is in the eyes of the people, and to them is a real fountain of floricultural knowledge.

A WORD ABOUT AMERICAN BEAUTY.

Society has, as a result of a combination of circumstances, aided by the florists themselves, forced the American Beauty to a position of prominence that seems at times to discourage the hybridizer in his endeavor to produce a successful rival to that famous variety, but, alas, every retailer knows that variety at times is anything but a real beauty, but having been wisely christened, its celebrated name often saves it from the condemnation it too frequently deserves. Originators need not fear for a place in this country for their meritorious productions, even if they fall far short of the size of the popular American Beauty. Size alone does not always commend a rose—length and strength of stem, with nice foliage supporting, a flower beautifully distinct in color and form, will never suffer materially in comparison with its companion of larger size, coarse texture and varying shades of unattractive colors. We shall say nothing of "bull heads" that in a measure serves to disfigure the whole rose family.

Personally, I should prefer to see half of the glass at present devoted to American Beauty given to a few of our leading sorts and a further extension of our present list of forcing varieties to include those particularly reliable for summer blooming, and in this position I fully realize that I am in danger of standing almost alone. But it is a well known fact that no longer are retailers embarrassed when they are unable to answer the call of the critical rose customer for American Beauty if they are prepared to offer as a substitute either that marvelously distinct and strikingly beautiful rose, Richmond, or its worthy and popular companion, Killarney, and indeed these are now often preferred to American Beauty, irrespective of the cost. Even from classic Boston comes a trade report as recent as last week, that "the demand for Beauties is not active, many people now preferring Richmonds and Killarney." And when we reflect upon the dismal failures attending the attempts of some growers with this rose, we are moved to pity and regret that the same glass and efforts were not devoted to other varieties which would be almost certain to yield better, if not entirely satisfactory results.

In conclusion allow me to say to those of us who are engaged in various ways in advancing the interests of the rose and who at times feel the encroachment of its reputed rival, the carnation, supported by its aggressive society, remember that we too have a society devoted to the queen of flowers and being faithful in our efforts in its ranks and working along lines of its noble aims and prompted by its suggestions, we shall maintain the rose in its glorious accendency, to where its unrivaled beauty and adaptability to all phases of decorative adornment justly entitles it, and after having accomplished so much in advancing its popularity, we shall still persevere in its behalf until we have achieved the full realization of our cherished desire and ambition—"A rose for every home; a bush for every garden."

At the Boston Spring Show.

The illustrations herewith are from photographs taken at the annual spring exhibition of the Massachusetts Horticultural Society, a full report of which appeared in our issue for March 28, page 440. The display of amaryllis, as there noted, was most creditable to T. D. Hatfield, gardener to Walter Hunnewell, Wellesley, and the finely flowered plant of Rhododendron Frederica shows the value of the greenhouse section of this genus.

WITH THE GROWERS

Gustave C. C. Schrader, Elmhurst, N. Y.

Gustave C. C. Schrader, whose range is located at Elmhurst, N. Y., has within the past few years become noted for the large quantity and excellent quality of smilax, Asparagus plumosus nanus and Adiantum cuneatum, which he grows. Though yet a young man, he has built up a business in the New York wholesale market that is very creditable to his energy and ability, and he is generally recognized as the leading grower of green in the vicinity of the metropolis. He makes daily trips, carrying his cut in an automobile, to the New York Cut Flower Exchange, where his sales agents are located, and he can fill the largest order on a few hours' notice.

Mr. Schrader, who is a native of Germany, came to this country with his parents when 12 years old. His father, who is still hale and active, at the age of 70, was a florist and the boy, quite naturally, followed the business. Soon after being married and starting in business for himself 15 years ago, he decided that his talent ran in other lines than growing a mixture of stocks. Starting in a small way he has steadily progressed until his range comprises an area of about 50,000 square feet of glass. Speaking recently of his experience, he said that there was now but a comparatively small demand

AT THE BOSTON SPRING SHOW.
White Rhododendron, Frederica.

in the New York market, for long strings of asparagus; he has therefore abandoned stringing, his asparagus stock being sold in bunches. He had erected one house 20 feet high but has of late, instead of stringing, utilized what may be called the second story, by boxes, resting on a latticed floor, in which the plants are grown.

Commercial fertilizers are almost exclusively used, both on the asparagus and smilax crops. After various experiments it was decided that the brands of fertilizers with which the southern tobacco growers were most successful was also suitable for asparagus and smilax. Mr. Schrader lays stress on the virtues of tobacco stems, both for fumigating and fertilizing purposes, and to these ends he has installed a cutter, run by wind power, the cut stems being spread liberally over the beds. In addition to this, smoking is occasionally resorted to, but cut-worms are found to be the worst enemies of the crops. When it is stated that the output of smilax is 300 to 400 strings per day, it will be readily understood that crops are not allowed to lag in the growing. Though there is a smaller glass area devoted to adiantum than to the other crops, it is grown in beds, for cutting, with the same success that attends the culture of smilax and asparagus.

AT THE BOSTON SPRING SHOW.

Judges Roland, Clark, Johannson, Finlayson and Hatfield.

At New Castle, Ind.

THE BENTHEY-COATSWORTH CO.

At the Benthey-Coatsworth plant, 10 houses in all are devoted almost entirely to roses. Otto Benthey, the genial manager, has everything looking spick and span. It does one good to go through these houses, as they always have the appearance of neatness and cleanliness. Bride and Bridesmaid are in tip-top shape and the cut has been very heavy lately. The quality is simply superb and the indications are that the present cut will be continuous. Killarney which reigns supreme on this place is holding up its reputation as a producer. While a trifle off crop at present, this will be only temporary as the plants are one mass of growth and buds and in the pink of condition. American Beauty is being dried off at present, to be started again in a short time for summer blooming. Otto certainly had American Beauty roses galore last year when they were bringing good money and is going to repeat it again this year. A bench of callas is one mass of buds and flowers and is giving a good account of itself financially. A bench of Asparagus Sprengeri is now coming into crop, but is cut hard to meet the demand. They have some 10,000 to 15,000 young plants of Killarney well established in pots, also many Bride and Bridesmaid. I also noticed some good geraniums and coleus for spring bedding.

AT THE BOSTON SPRING SHOW.

Amaryllises Shown by Walter Hunnewell, Wellesley, Mass., T. D Hatfield, Gardener.

HELLER BROS.

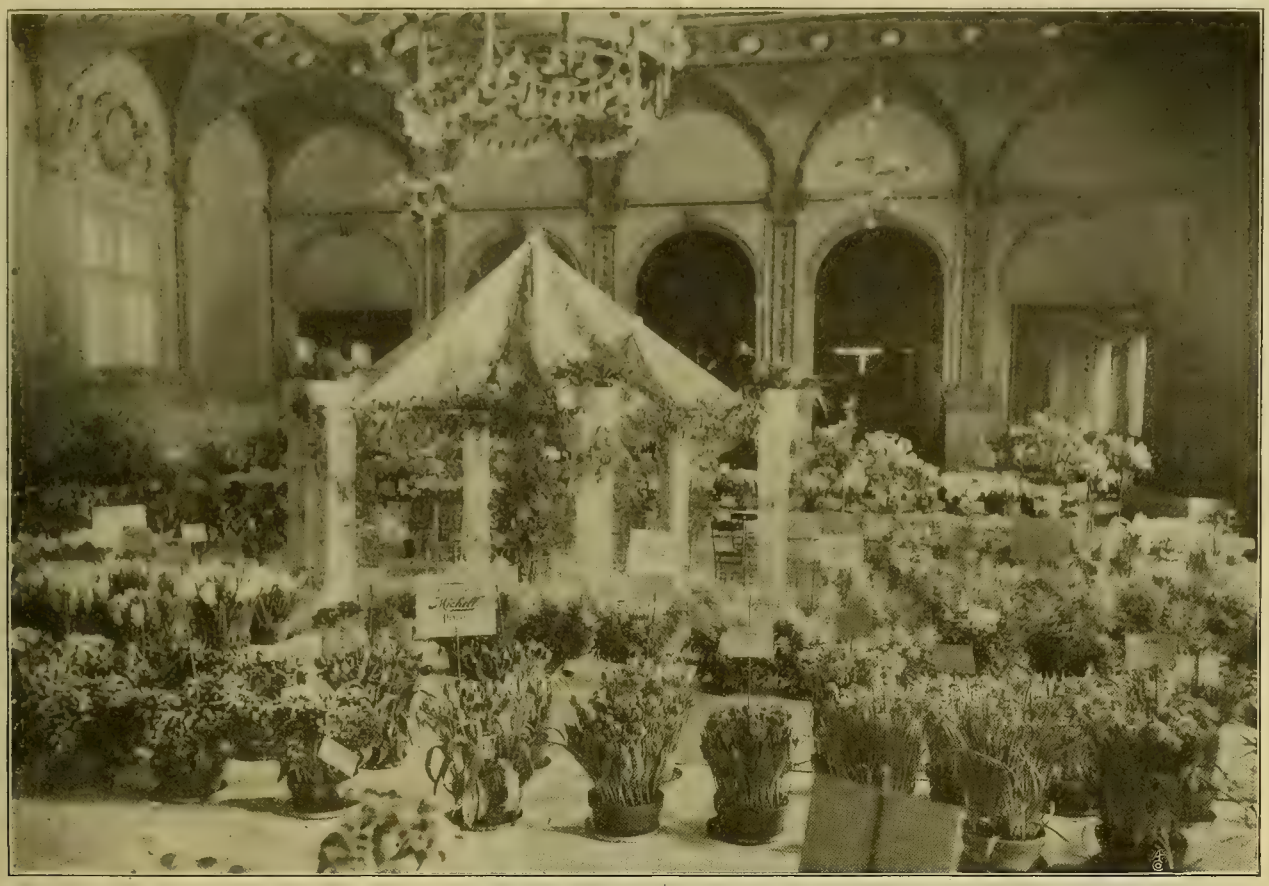
Heller Bros.' plant comprising 250,000 square feet of glass, is devoted principally to roses, although some space is given up to carnations and their ever increasing catalogue trade, which is beginning to be a very large part of the business. The roses are in good condition, being in heavy crop at present. Bride and Bridesmaid, predominate and are making fine growth. Many bottom breaks are in evidence and long cut stock is the result. Richmond, which for the past two years has proven a failure, is now looking fine and is giving a good account of itself. Why Richmond does not do well here is a mystery to the writer, but it looks as though Heller Bros. have at last found its requirements. A bench of Cardinal planted some time ago is in fine growing condition and gives promise of some good things later on. Killarney is planted moderately and is just coming into crop. The flowers are of good color but rather short in the stem. American Beauty is badly off crop, at present, but is showing signs of activity by breaking from the base. Two houses planted some five or six weeks ago for summer bloom, are growing nicely. Wm. R. Smith, the new summer rose, will be in crop shortly, but being similar to Kaiserin in habit and growth, the first flowers are not perfect. But to see this rose in warm weather is a beautiful sight. It is a very free bloomer and its slight tint of pink only adds to its beauty. Carnations are a trifle off crop at present with the possible exception of Lawson and Enchantress. The quality is fine and color perfect. A red seedling on the order of Manley, only three times as large and more brilliant, is a very promising thing and no doubt will be heard from next year.

WILLIAM DITTMAN.

Wm. Dittman, who has just returned from a short sojourn in Florida, is full of fish stories and the wonderful climate. Mr. Dittman has well earned a vacation this year as it has been an exceptionally successful one. His American Beauty roses this winter were the best he has had for some time and the crop was on nearly all winter. At present there is nothing doing but a most bountiful crop has been harvested. The tea roses are now producing some extra fine stock and the plants are in a healthy and vigorous condition. This will be the last year for teas and the whole place will be devoted to that peer of all roses, American Beauty.

WEILAND & OLINGER.

Weiland & Olinger's establishment, which is noted for its high grade stock,



PARTIAL VIEW OF THE SPRING SHOW OF THE PENNSYLVANIA HORTICULTURAL SOCIETY, MARCH 31-APRIL 2.

See Report in Last Issue, Page 508.

is still in the front rank. The place as a whole is in a very flourishing condition and a heavy crop is now on. Bride and Bridesmaid, Killarney, Mme. Chatenay, A. Roosevelt and Perle, comprising the tea section, are at present producing flowers which are hard to beat. American Beauty is in good shape and some fine stock is being cut at present. Carnations are in heavy crop and the quality of Enchantress, White Perfection, M. A. Patten, Victory and Robt. Craig is excellent, both in color, substance and form. Bulbs of which about a quarter of a million are grown are doing exceptionally well and very little disease is discernible. The market being overloaded with this class of stock this year, the quantity of bulbs grown next season will be materially reduced. Weiland & Olinger are optimistic in their views as regards business and the result is that several houses will be added to their present large range to take care of the greatly increased demand. HOOSIER.

Society of American Florists.

ANNUAL MEETING OF EXECUTIVE BOARD.

The executive board met at the Prospect house, Niagara Falls, N. Y., March 23-24. President Traendly and Messrs. McClure, Hallock, Wirth, Farquhar, Asmus, Young, Stewart and Rudd were present. Messrs. Kasting and Cowell were appointed to fill the vacancies caused by the absence of Messrs. Murray and Beatty. The usual routine business was transacted.

The programme for the August convention was discussed and the main features decided upon, the details being left as usual to the president and secretary.

As the charter provides that the main office of the society shall be in the city of Washington, the president was instructed to appoint an official representative of the society in the city of Washington who should maintain such an office.

E. V. Hallock was appointed a committee to revise parts of the proceedings relative to school gardens, to make such additions thereto as seemed advisable and put them in shape for publication for general distribution, carrying out recommendations made by the society.

It was resolved that the president of the society be authorized to offer the silver and bronze medals of the society at the horticultural exhibitions in this country for new and meritorious plants or flowers of American origin, provided that he is convinced that the exhibition at which they are proposed to be offered, shall be more than local in scope and of sufficient extent to warrant recognition by this society. No more than one medal to be awarded to the same plant or flower.

Chas. H. Keitsch, of Buffalo, N. Y., having been nominated by the Buffalo florists, was elected superintendent of the trade exhibition.

The secretary was instructed to correspond with the census bureau with a view to having the method of obtaining the census statistics in so far as they relate to floriculture more carefully considered, and that certain changes be made which will render the results more reliable and more valuable.

Considerable attention was given the action of the society regarding the nomenclature committee and registration and it was the sense of the board that following out the proposed course would entail an indefinite but large expense on the society in the future and therefore the board could not concur, and the matter was referred back to the society for further consideration. It was the sense of the executive board that it was neither feasible nor desirable for this society to attempt to fix the commercial value of any plant or flower under present conditions.

In view of the fact that it would soon be necessary to republish the by-laws, the committee discussed them in detail and recommended certain amendments to be submitted to vote at the next convention, most of them being merely verbal corrections.

An examination of the treasurer's report showed that the society now has in its permanent fund about $5,300 and nearly $4,000 in its general fund. This showing was very gratifying to the members of the board and it was believed it would also be pleasing to the members in general.

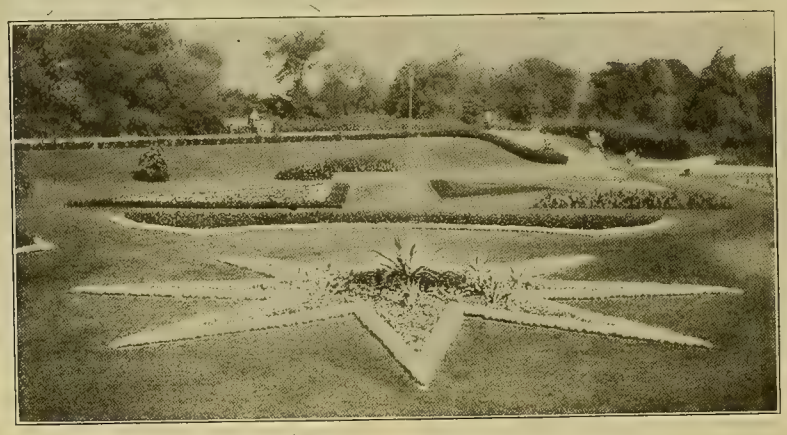
The members were more than pleased with the hearty and cordial manner in which the local people assisted them in their work and especially with the manner in which Mr. Cutler more than redeemed all the promises made at Philadelphia.

Practically the entire lower floor of the Cataract house has been placed at the disposal of the society as well as the grounds adjoining. This will give ample

space for the trade exhibition and the meetings under one roof and on one floor and will also give room for the planting of flower beds for the exhibition of plant novelties. The proprietor of the Cataract and International hotels assured the committee that he would be glad to have any such planting done and would furnish without charge a competent gardener to care for the plants up to exhibition time. As these accommodations are all furnished without expense to the society, it would seem that the financial results of the convention at Niagara Falls must necessarily be better than ever before.

Following the custom of some years past the accrued interest on both the permanent and general funds was ordered added to the reserve fund.

George W. McClure was appointed chairman of the committee on sports and



STAR FLOWER BED AT WASHINGTON PARK, CHICAGO.

J. R. Cloudsley was appointed as a member of that committee, the third member to be announced later. A. H. Ewing and H. E. Philpott, of the Canadian Horticultural Association, met with the committee on the last day and arrangements were partially completed for joint sessions of the Society of American Florists and the Canadian Horticultural Association, the details to be settled at a later date. The question of international games was left to the sports committee. It was decided that the bowling games should be held at Buffalo during the last day and evening.

The final resolutions, which were adopted with enthusiasm, expressed the appreciation of the board for the "many courtesies shown us by everybody we came in contact with during our visit." Ex-Mayor Cutler, Mr. Isaacs of the International Hotel Co., Major Butler of the Natural Food Co., and President and Mrs. Kasting were personally thanked in the final resolutions both for assistance offered and hospitalities extended and the board adjourned more than pleased with the kindness and courtesies shown and with the highest anticipations for a successful and enjoyable convention.

It should be noted by the members of the society that Mr. Isaacs offered in case enough early reservations of rooms were made at the Cataract house to reserve the entire hotel accommodations of the building for the members of the Society of American Florists. If this offer be taken advantage of, it will result in an ideal and unique situation in the experience of the society—trade exhibition, meeting hall and hotel accommodations all under one roof. The rates are from $3 to $5 per day, American plan, that is, meals included.

W. N. RUDD, Sec'y.

When and How to Use Bedding Plants.

A paper read by Alois Frey, head gardener at Lincoln park, Chicago, at the convention of the Society of American Florists, Philadelphia, Pa.

Riding through parks, along boulevards and country roads, speeding in trains through villages and towns, all over the country, passing the magnificent palaces of the wealthy with their beautiful lawns and the humble cottages of the poor surrounded by modest yards, everywhere the eyes meet the brightness of flowers and richly colored plants, which at once impresses upon us the popularity and universal love for bedding plants.

There is a large variety of these plants from the smallest annual like portulaca, to the stately subtropical plants, and the perennials must not be forgotten, for they figure greatly in various effective displays. Then we have tulips, hyacinths, daffodils, etc., for early spring flowering. No garden need be without flowers from the time the dainty little crocuses peep out of the snow until late in fall. No matter how small the purse enough seed can be purchased to obtain a very harmonious and artistic effect, as well as a continuous season of flowers. It is not the means of being able to procure a large amount of choice plants, but it is the good taste and skill of the designer, who understands how to make an arrangement to harmoniously and discriminately combine the various colors with immediate surroundings no matter how inexpensive, that appeals to the lover of nature with all its beauty, and this is what we are striving for more and more every day.

The average florist who deals in bedding plants should by all means give this particular subject thorough study, in order to be able to assist and educate his customers, who in most cases appreciate such advice and instructions in regard to arranging and planting their gardens so as to present a beautiful picture. It requires just as much artistic judgment and ability to accomplish this, as to paint a beautiful picture on canvas. The designer must show individuality and know exactly what proportion the plants will attain; how soon they will be fully developed, also how the colors will blend together; in fact, he must see the finished picture before him when he designs his plans. The sooner we commence to understand how to arrange these beautiful gifts of nature better, the sooner we make a large majority of the people of our grand nation happier. We have everything to do it with now let us understand how to do it. To cover the subject best I have divided it into two chapters, as the title of this article indicates:

WHERE TO PLANT.

The proper selection of the place for the floral display is first to be considered; a place where it will be properly effective is just as important as the execution of the planting, as this takes a definite part in the entire scheme. Locality, buildings and size of grounds must be taken into consideration. The smaller the place, the simpler should be the display; it is easy to overcrowd a small front lawn whereby the proper effect is entirely lost. Large places in proportion will have more elaborate plantings and the artist will have occasion to plan special features such as courtyards, parterres, sunken gardens, Italian gardens, etc.

The front of a building is most always selected for the display, which is generally formal, and, if the space is limited, a narrow border of plants adjoining the building will be sufficient, with perhaps one or two beds on the lawn, proportional to the latter. There should always be plenty of grass to offset the beds. The backyard as a rule is very much neglected and in many instances unsightly; here I would advocate a grass plot with a border plantation. How much more cheerful one would feel, looking into a well kept yard than at a lot of rubbish.

Places of larger dimensions with their beautiful landscape effects must be treated

BED OF TROPICAL PLANTS AT LINCOLN PARK, CHICAGO.

THE FLOWER GARDEN AT LINCOLN PARK, CHICAGO.

more in detail. Here we have an opportunity to lay out in connection with residences, conservatories and public buildings, courtyards, parterres, rose gardens, etc., which as a general rule are part of the architectural scheme and in harmony with the style of the building. In the last few years Italian gardens have again become quite popular, and these, especially set apart from the rest of the landscape, must be treated by themselves; they are very set and usually contain considerable color well blended together.

PARKS.

Besides the forms of special treatment already mentioned we also have other flower gardens, which give an opportunity for a larger variety of flowering plants, in the line of annuals, roses and perennials, etc., which, properly arranged, make a brilliant effect without interfering with the more subdued and restful landscape. Public parks especially form a great field for floral displays and, although some authorities on landscape gardening do not favor them, I believe the public fully appreciate flowers. The utmost care must be taken not to let them run wild all over the park; keep them in the vicinity of buildings or entirely away and screened off from the quiet landscape. Boulevards and small squares can also be most admirably brightened with flower beds.

At the convention in Dayton, O., all our members had the rare opportunity of seeing how the surroundings of a factory can be laid out in a most praiseworthy manner; here our bedding plants brighten daily the minds of thousands of people. Many people are not fortunate enough to possess a home with a lawn and flower beds. There is no necessity for such to deprive themselves of nature's gifts; they can enjoy them in a more modest way, by keeping flower boxes, which, no matter how obscure and unassuming the dwelling, give it a homelike air and enliven the aspect of many an otherwise somber home. On the other hand many beautiful residences rely solely upon piazza boxes for their floral display and exquisite results can be obtained in this manner.

Finally a few words should be devoted to the homes of our loved dead. There is nothing more soothing to the grief stricken heart than the sight of well kept cemeteries, bedded with appropriate flowers speaking the language of peace and rest. These are some of the many and varied ways of adornment that bedding plants lend themselves to; there still remains another problem to solve—namely, how to use them.

HOW TO USE BEDDING PLANTS.

Here skill in artistic arrangement and harmony of colors is put to a severe test. Starting with the beginning of the season, the various Dutch bulbs are the first to attract attention. They are easily cultivated and therefore most appropriate for the amateur. Exquisite effects and color schemes can be carried out and although their duration of bloom barely reaches more than four weeks, I think they make the most striking display of the season. Only the purest and clearest colors should be selected. Off colors and the peculiar magenta shades are hard to match with pure colors and are best planted by themselves or far enough away not to detract from others. Mixed beds containing a number of varieties look well, but beds of all one color show far better taste. Where a number of beds are planned great attention must be given to working out a harmonious color scheme. Pink, white and light blue blend admirably together, next comes yellow then red and yellow and the various reds. It is a great deal more pleasing to the eye to let the colors run into each other by degrees than to create too big a contrast. Colonies of crocuses, snowdrops and scillas singly and several together, irregularly scattered on the lawn look very charming.

Pansies, bellis and myosotis are also extensively used. Although the pansies come in a multitude of colors, they are mostly used mixed and often with Bellis perennis as a border. Little advantage has been taken of working out color schemes with pansies, and yet, if we stop to study their rich tints, tints which I think cannot be found in any other plant, the possibilities are wonderful.

Following these come the summer plantings with cannas, geraniums, heliotropes, begonias, petunias, coleuses, acalyphas, abutilons, salvias, verbenas and a great number of others too numerous to be mentioned. Almost all bedding plants thrive and flourish best in full sunlight except tuberous begonias and fuchsias, which do best in half shade, where there is plenty of indirect light; other plants like some of our hardier palms, phœnices, latanias, chamærops, the various fibrous rooted begonias, like semperflorens, Vernon, Schmitti and fancy leaved caladiums do well under both conditions.

SOIL.

The soil for cannas, musas, ricinus and Caladium esculentum should be very rich; their growth will be so much more luxuriant, while the rest of the plants like geraniums, begonias, verbenas, salvias, cupheas, ageratums, etc., also need enriched soil. Care must be taken not to use too much fertilizer as this will result in disaster; the plants will show an abundance of foliage in place of flowers. Bedding plants, before being set out in their summer quarters, should be properly hardened off, they should be exposed freely to the air and sunlight at least two weeks before the planting season commences. Nothing serves this purpose better than the hotbed, no matter how much some of the growers are opposed to this sort of cultivation. It is true, the cost of labor is somewhat higher, but the superior results obtained fully justify the expenditure made, and plants hardened off in this manner suffer but very little in transplanting.

We have plants of every desirable height from two inches up to eight feet, some with a wealth of flowers, others again with richly colored foliage, some with coarser, others with more graceful features. In the arrangement of plantings one great object, which is one of the great principles in landscape gardening, is in many cases lost sight of, namely the consideration of the sky line. Especially in large border plantations this should be applied. Here we have tall plantings broken with lower ones, until they finally run out to very low plants at the edge. In fact in larger displays, the relation of one bed to the other should be treated this way. While the beds are all

more or less formal, they should not appear stiff. Every plant should have plenty of room for full development and where a number of varieties are used in one bed, the tall ones should not be massed all together, but here and there one should rise above the lower ones, so as to present a loose and pleasing arrangement, while in this manner every plant will show its valuable points more advantageously. For example a bed planted only with Ficus elastica would look very stiff, but intermingled with the graceful Grevillea robusta and a border of ivy, it loses this stiffness and presents a very pleasing effect. This shows that by careful study we can improve the bad points of one plant with the good ones of another.

Particular care should be given to the selection of the various tints, blending richly colored foliage tastefully with the more gorgeously tinted flowers, so as not to create too big a contrast. Beds of solid colors, alternating with some of less contrast will tie the entire display harmoniously together and this will help greatly to achieve the desired plan. It is in the designers power to present a very brilliant or a very quiet picture according to the scheme that is required. Quiet and restful effects are worked out by using tints of various blues, white and grey, variegated, glaucous and bronze foliage with a little touch of red. Anthericum vittatum variegatum Punica granatum pumils, Abelia rupestris, heliotropes, Plumbago Capensis and P. C. alba, Phygelius Capensis, santolina and Abutilon Savitzi lend themselves well to this purpose. Much more could be said on the subject, but, in my opinion, one runs no risk of failures by adhering to the points laid out in my modest essay.

Bedding Plans.

We present herewith some diagrams of the flower gardens at Lincoln and Washington parks, Chicago, together with lists of plants used in each in 1906:

LINCOLN PARK.

1.—Begonia Erfordia grandiflora superba; border Cuphea platycentra.
2 and 5.—White single petunia; border Lantana delicatissima.
3 and 4.—Pentstemon gloxinoides.
6 and 9.—Subtropical, palms, crotons, dracænas, etc.
7 and 8.—Begonia Schmittii.
10 and 11.—White stocks, followed by heliotrope.
12 and 13.—Vinca alba.
14 and 45.—Geranium Countess of Harcourt.
15 and 16.—Pansies, border of Bellis perennis; followed by Baby Rambler rose and Pilea serpilifolia.
17 and 18.—Petunia single pink.
19 and 41.—Canna Souv. d'Antoine Crozy, second border Alocasia odorata and Salvia splendens alternate; outside border Pennisetum longistylum.
20 and 42.—Canna Egandale, second border Alocasia odorata, Salvia splendens and Eucalyptus globulus; outside border Pennisetum Ruppelianum.
21.—Cuphea silenoides, border Santolina tomentosa.
22 and 23.—Mixed beds; Dracæna indivisa, Abutilon Savitzii and Souv. de Bonn, Plumbago Capensis, Phygelius Capensis, Acalypha Godseffiana and A. obovata; border of Pentas lanceolata.
24 and 39.—Verbena, white; border alternanthera, red.
25 and 29.—Verbena, scarlet; border alyssum, dwarf.
26 and 27.—Mixed beds; geraniums in variety; heliotrope, abutilon, ageratum, verbena, iresine, vinca, lantana and petunia; border of Pyrethrum aureum.
28 and 38.—Ageratum, border Pilea serpilifolia.
30 and 37.—Bronze geranium; border althernanthera, yellow.
31 and 34.—Single petunia, pink and white.
32 and 33.—Lagerstrœmia Indica.
35 and 36.—Half standard heliotrope, underplanted with Cuphea platycentra; border of Santolina tomentosa.
40.—Geranium Mrs. E. G. Hill.
43.—Marguerite carnations.
44.—Abelia rupestris; border of Euonymus radicans variegatus.
46 and 53.—Subtropical, same as 6 and 9.
47.—Antirrhinum, pink; border Iresine Wallissi.
48 and 49.—Geranium Mrs. E. G. Hill.
52.—Antirrhinum, white; border Iresine Wallissi.
54.—Begonia Vernon; border golden begonia.
55.—Geranium Pullman.
56 and 57.—Center Ricinus Cambodgensis, Canna Florence Vaughan, Pennisetum macrophyllum atrosanguineum and Erythrina crista-galli in order named; border of Cyperus alternifolius.
Border around fountain Salvia Zurich and Impatiens Holstii; border Artemisia Stelleriana.

WASHINGTON PARK.

1 and 27.—Verbenas, border alyssum.
2, 6 and 32.—Pansies followed by vincas.
3, 7, 26 and 31.—Stocks, followed by cockscombs.
4.—Geranium Jean Viaud, border G. Mountain of Snow.
5.—Geranium Ben Shrader, border G. Mountain of Snow.
8 and 33.—Alyssum, border alternanthera.
9, 12, 22 and 25.—Coleus, border achyranthes.
10.—Canna Souv. de Anton Crozy.
11.—Canna Peley.
13.—Geranium A. Tennyson in center. G. Mme. Chievilier next, border alternanthera.
14.—Geranium Gen. Grant, border Santolina incana.
15.—Geranium Meteor, border santolina.
16.—Geranium E. H. Trego in center, G. Countess of Harcourt next, points ageratum, border santolina.
17.—Heliotrope, antirrhinums, nasturtiums, lemon verbena, scented geraniums, salvias, feverfew, cosmos, dusty miller, border lobelia.
18.—Geranium Trecuseur in center, G. Lowell next, border Begonia Vernon.
19.—Geranium S. A. Nutt, border santolina.
20.—Geranium Pres. Leon Simon, border santolina.
21.—Same as No. 17 except that border is of Begonia Vernon.
23.—Canna Chicago.
24.—Canna Mme. Crozy.
28.—Gomphrena.
29.—Geranium Mrs. E. G. Hill, border G. Mountain of Snow.
30.—Geranium Beaute Poitevine, border G. Mountain of Snow.

To Be Done Now.

IN THE GREENHOUSES.

April is the month in which seed of Asparagus plumosus nanus germinates most quickly.

Keep young ferns moving and never let them get hard in the flats or pots.

Disbud the roses regularly. Twice a week is none too often for stock that is growing freely.

See that no mildew is left to be carried on into summer. It is far easier to get rid of now than when the heating pipes are out of use.

There is still time to root swainsonas and this plant is very useful either for cutting or sale in pots.

Wake up any oddments of stock that may be laying around, such as dracænas, crotons or ferns out of condition.

Stop spraying Deutzia gracilis as soon as the flower buds can be distinctly seen.

Prick off seedling asters and other annuals early before they get crowded in the seed flats.

Watch the seedling begonias closely and give them more room directly they need it.

Push on with the chrysanthemum propagation, especially with varieties of which stock is likely to be short.

IN THE STORE.

It is not necessary to buy the most expensive plants for made up work.

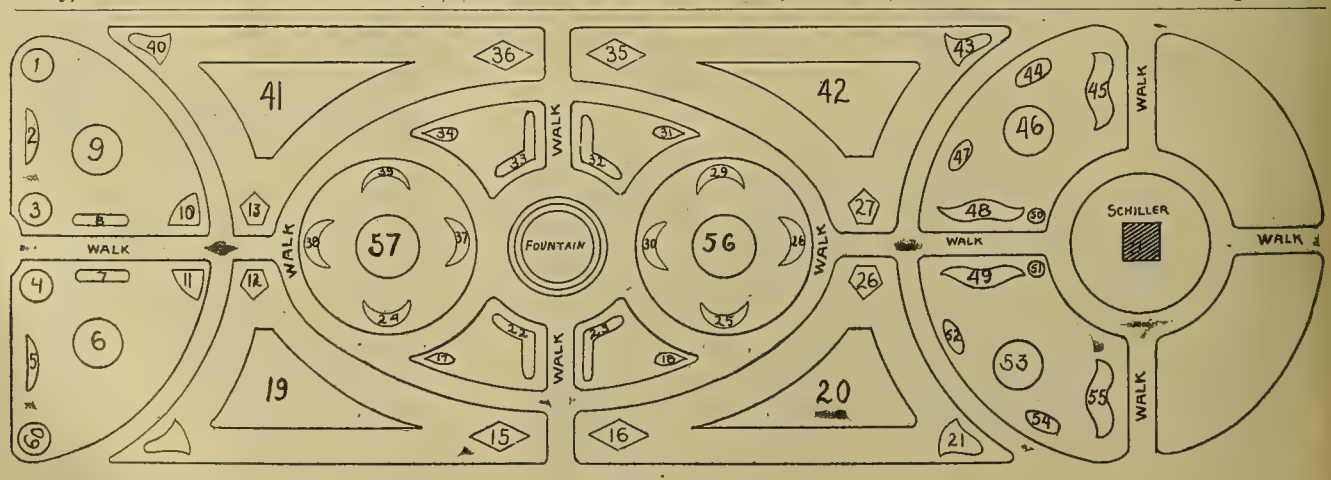
Never forget the foil paper on bouquet stems; soiled gloves may mean a customer lost.

Although many different flowers are used with violets as corsetiere bouquets they are best used alone.

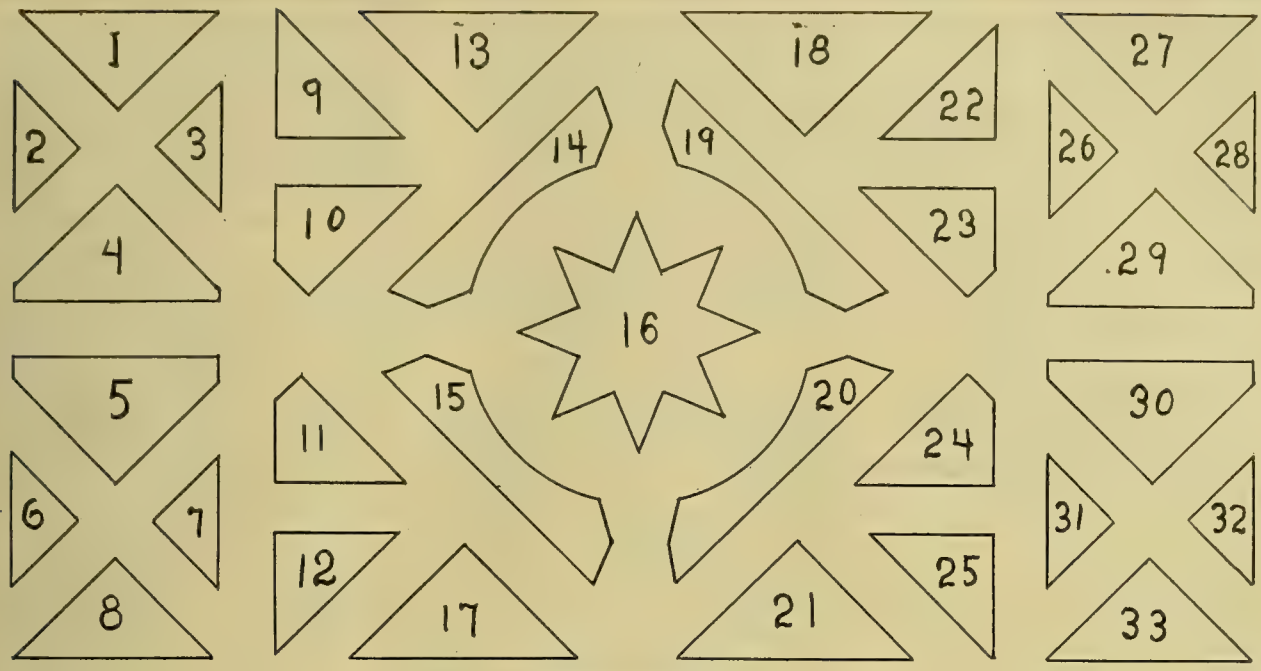
Heaths and birch bark go finely together in boxes or baskets.

Gardenias are very beautiful, but too heavily scented to be used very freely.

When in doubt as to blending of col-



BEDDING PLANS.
Plan of Flower Garden at Lincoln Park, Chicago.



BEDDING PLANS.

Plan of Flower Garden at Washington Park, Chicago.

ors use one color, green and white, and no mistake can occur.

OUTDOORS.

Get the small ragged shoots and frost killed ends trimmed out of the dwarf flowering shrubs without further delay.

Continue to sow sweet peas at regular intervals on well prepared soil, according to requirements.

Get all the help available now at planting deciduous subjects. Every day such plants are out of the ground lessens their chance of success.

Where the soil works well enough sow lawn grass seed, either for new lawns or the repair of old ones.

Push on with tidying up the herbaceous borders, pricking in what remains of the winter mulch.

Never neglect staking of all standard trees directly they are planted, as a wind whipped tree cannot obtain a hold.

Frequent hoeing and a little nitrate of soda to push along the early cabbage plants.

Obtain and plant suitable climbers and vines for veranda posts, dead trees or other objects it is necessary to cover.

OBITUARY.

Warren Ewell.

The death of Warren Ewell on April 2, removes one of the best known florists of Boston, Mass., and one who has been a familiar figure in the local floral interests for over a generation. He was long identified with the Old Guard by whom he was best known and held in great esteem. Physical ailments have prohibited his associating with the trade for the past few years, and his death was the result of heart trouble. He was one of the largest bulb growers of this section, the establishment over which he presided at Dorchester being long famed for its products. B.

Edward H. Pratt.

Major Edward H. Pratt, president of the T. S. Hubbard Nursery Co., of Fredonia, N. Y., died April 1. Major Pratt was born in Dansville 70 years ago, and at the outbreak of the civil war organized a company and with it served through the early campaigns of the Army of the Potomac until after Gettysburg, when with his command he went west and saw service at Chattanooga. He also served as a member of the staff of Fighting Joe Hooker at the battle of Lookout Mountain. Major Pratt went to Fredonia 21 years ago to become president of the Hubbard Nursery Co.

The Late Warren Ewell.

Lawrence J. Stuppy.

Lawrence J. Stuppy, the well known florist at St. Joseph, Mo., died March 31. Mr. Stuppy's health had been impaired by arterial ailment, but it was supposed he had lately improved much during an extended trip through the west. He had been at home, however, a few days when he suffered a stroke of paralysis and died the same day.

Mr. Stuppy was born in St. Genevieve, Mo., in 1849, but has resided in St. Joseph nearly all his life. He started the florist business in 1873, which business was incorporated in 1903. His sons Frank and John and three daughters survive him, two of the latter being members of the Sacred Heart Order. Mr. Stuppy was very active and successful in his business, always conducting the same in a straightforward manner and had the best interests of his customers at heart.

William Griffin.

William Griffin, one of the leading men in horticultural affairs in Lenox, Mass., a few years ago, and for years superintendent of Elm Court, the country place of William D. Sloane, died March 26, in Lakewood, N. J., where he was employed on Gregorian Court, George J. Gould's noted estate. Mr. Griffin came to Lenox on the creation of Elm Court out of property sold to Mr. Sloane by Richard Goodman. He developed the place into what it is practically today. At one time he was at the head of 150 men, and proved himself of great ability. His home on Elm Court estate became known as a most hospitable place and he entertained extensively. He was a member of Evening Star lodge of Masons of Lee and Berkshire commandery, Knights Templar, of Pittsfield. He is survived by a widow, three daughters and a son.

London.

The St. George's Nursery Co., Harlington, was awarded the gold medal of the Royal Botanic Society for an exhibit of about 130 plants of its finest strain of cyclamens, including the noted Ourown strain which was awarded a special certificate. Other notable varieties were Dame Blanch, Duke of Connaught and Grandiflora Alba, and as all were arranged with Cocos Weddelliana and ferns the exhibit was very attractive. Cutbush & Son and Thos. S. Ware, Ltd., had fine groups of plants and there was a remarkable display of cut flowers from Felton & Sons.

At Covent Garden, Hydrangea Otaksa, fine plants with three heads of flower in 6-inch pots, is selling well at $4.50 to $6 per dozen. The old hybrid rose Papa Gontier is selling well here as a cut flower. S.

THE AMERICAN FLORIST

1885 TWENTY-THIRD YEAR. 1908

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When sending us change of address always send the old address at the same time.

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HEAVY floods are reported from various Canadian points.

FROM Crookston, Minn., comes reports of an 8-inch snowstorm.

SHAMROCKS in small pots were grown by some Boston florists in 25,000 lots and sold at $50 per 1,000.

THERE has been no change in the conditions of the glass market. Prices are still low and the market easy.

JUST now the value of a careful fireman is apparent. There is room for great waste of fuel if he is careless.

THERE are rumors that the Bermuda growers will not, in the future, send any cut flowers to the American markets.

"ADVERTISING should contain little black matter, more white matter and a great deal of grey matter," says an English paper.

ROSENENTSTACHELPARAT is not the name of a new rambler rose, but that of an apparatus for removing thorns from rose stocks.

POSSIBLY it is not too soon to warn inexperienced growers against exposing plants. These sunny days and cold nights are very dangerous.

THE last four weeks have been very favorable for both seed and nursery work, the season advancing so gradually, that trade has been normal, never excessive and never checked.

Lilium Longiflorum, Formosa Type.

We are advised by The Yokohama Nursery Co., that the founder and president of that company, Uhei Suzuki, discovered on one of the islands south of Japan, in which location many lilies are grown, a wild lily of the longiflorum type. He caused some quantity of these bulbs to be collected and grown there as they are cultivated on the mainland. The bulbs grew well, but their forcing value had to be proven. Three years ago, the firm received the first six cases, which turned out well. The second year, some 60 cases were brought over with such satisfaction that the American agents instructed their Japanese nursery to plant as many as possible. Last year, the output was about 300 cases and six or seven times that number are expected with a good harvest the coming season. In its native island, this variety they say, flowers in February. The bulbs are ripened about the end of May and should be in New York by the early part of August. These lily bulbs should not be forced as hard as Harrisii, otherwise they grow too tall. Many growers in the United States who have tried these, recommend them.

Packing Easter Lilies.

ED. AMERICAN FLORIST:—

As we occasionally receive complaints as to the way our lily blooms reach customers I would be glad if you can tell me the best and most up-to-date methods of packing these flowers. I would like to know whether ice is used for long distance shipments or whether papers thoroughly moistened are sufficient to keep the flowers. Also how many can be packed in one box safely and the best style and size of boxes. Any other information you can give would doubtless be of service to others besides myself, as there must be many other florists looking for the same information. GROWER.

Easter lilies are cut for shipping with the buds partly open or so that the buds will open in full after standing a day or two in water in a warm room. When the buds are in this condition they can be packed and shipped without bruising. For lilies the shipping box should be 60 to 72 inches long, 12 inches deep, and 18 to 20 inches wide. This size package will hold 100 lilies very nicely. Commence at each end and place a good cushion of tissue paper. Then place the lilies with the buds standing at an angle of about 45°. For a box 18 to 20 inches wide you can get 10 to 12 blooms in each row. Between each row of buds put a half sheet of tissue paper, double it so that there will be two thicknesses of tissue. This makes a soft partition between the rows of lily blooms. From four to five rows can be placed in each end of the box, then place several layers of wet newspaper or a little wet moss on the stems that meet in the center of the box and secure them with cleats firmly nailed. This keeps the lilies from shifting around in the box. The empty box must of course be well lined with newspapers and tissue paper. Do not use wax paper, as it bruises the lilies. Also never place ice in a box with lilies. The air from the ice seems to rot the blooms.

C. L. WASHBURN.

We use light wooden boxes 10 inches high, 12 or 14 inches wide and four or five feet long. Cushion both ends for first blooms so that flowers will not push up against the end and pack towards the center, setting blooms upright and interlacing buds to prevent bruising flowers. Some soft tissue can also be used for interlacing. Cleat each side near center of box tight, and if ice is to be used wrap it in paper and lay between cleats in such a way that it can get beyond the cleats. String stretched across the top will prevent flowers being bruised from the weight of the paper. Have box lined with soft tissue. Coarse paper, like newspaper, should not come in contact with blooms.

AUGUST POEHLMANN.

National Council of Horticulture.

We have received the fourth installment of the series of articles sent out by the press service of the National Council of Horticulture. The articles are: "Easily Grown Annuals"; "Lawns"; "Growing Apples," and "The Dietetic Value of Fruit." They are concise readable notes that cannot fail to be of service to amateurs.

The following are the articles promised during the remainder of the year:

April 11.—"A Backyard Garden," "Hibiscus," "Kohlrabi and Brussels Sprouts," "Raspberries and Blackberries."

April 18.—"Egg Plant," "Hedges," "Red Hot Poker Plant," "Currants and Gooseberries."

April 25.—"Chives," "Hybrid Tea Roses," "Dogwoods." "Sweet Alyssum."

May 2.—"Deutzias," "Growing Dahlias," "Kale," "The Mulberry."

May 9.—"Bellwort," "Hardy Chrysanthemums," "Savoy Leaved Cabbage," "Salsify."

May 16. — "Cannas," "Beautiful Vines," "Salvias," "Strawberries."

May 23.—"Water Lilies in a Tub," "Japanese Iris," "Deutzias," "Cucumbers."

May 30.—"Honeysuckles," "Lawns," "Succulent Plants," "Beans."

June 6.—"Home Vegetable Garden," "Window Garden Plants," "Shrubs for Succession of Bloom," "Garden's Shady Nooks."

June 13.—"Polyantha Roses," "Succulent Plants," "Sweet Potatoes," "Dietetic Value of Fruits."

June 20.—"Asters for Autumn," "Planting Strawberries in July," "Juneberry," "Zinnias."

June 27.—"Hardy Ferns," "Squash," "Lettuce," "Designing Planting Scheme."

An Opportunity.

ED. AMERICAN FLORIST:—

Apropos of the recent discussion in your columns concerning opportunities for young men to learn the greenhouse business, will you kindly announce that the horticultural department of the Iowa State College can give employment to some one who is seeking an opportunity of this kind? Send application, references and requests for information to Horticultural Department, Ames, Ia.

Cats and Actinideas.

ED. AMERICAN FLORIST:—

In a recent issue of your paper, some one asks if cats really eat actinideas. I bought five vines some years ago, and the cat almost went wild, purring, rubbing and rolling over the vine until it was ruined. The others were protected with wire netting, but Thomas worked at that until he destroyed all of them. I could not notice any particular odor, but they attracted the cat as soon as the first buds came. I never had the satisfaction of seeing a full grown leaf.

N. L. B.

San Antonio, Tex.

Meetings Next Week.

Baltimore, Md., April 13, 8 p. m.—Gardeners' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.

Buffalo, N. Y., April 14, 8 p. m.—Buffalo Florists' Club, 383 Ellicott street.

Cleveland, O., April 13, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit street.

Detroit, Mich., April 15, 8 p. m.—Detroit Florists' Club, 38 Broadway.

Lake Geneva, Wis., April 18, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, News building.

New Orleans, La., April 12, 2 p. m.—Gardeners' Mutual Protective Association, 118 Exchange alley.

New Orleans, La., April 16, 8 p. m.—New Orleans Horticultural Society, 125 St. Charles street.

Newport, R. I., April 15.—Newport Horticultural Society.

Pasadena, Calif., April 17, 8 p. m.—Pasadena Gardeners' Association, G. A. R. hall, East Colorado street.

Scranton, Pa., April 17, 7:30 p. m.—Scranton Florists' Club, Guernsey building.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Every paid subscriber to the AMERICAN FLORIST for the year 1908 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—As rose grower in good establishment by experienced grower: German, age 42. Address, E. R., Fairhaven, Pa. R. F. D. Route 1, Box 150.

Situation Wanted—Young American would like a position in first-class store long experience no objection to Pacific coast. Address Key 502, care American Florist.

Situation Wanted—As gardener and florist on Pacific coast; private or commercial; long experience, age 36, English, good references. Key 504, care American Florist.

Situation Wanted—By experienced grower of cut flowers, roses, carnations, 'mums, etc. and general stock; life experience; German, age 42. Key 505, care American Florist.

Situation Wanted—By pushing man, age 30, Scotch, capable of producing first-class stuff both in pot plants and cut flowers, expert propagator and grower of hardy perennials; single and an abstainer; good business abilities. Key 503, care American Florist.

Situation Wanted—By a first-class grower of roses carnations 'mums; also a general line of pot plants, bulbs and bedding stock; single, German 35 years of age; 20 years' experience; first-class references; capable of taking charge; far west preferred. Key 508, care American Florist.

Situation Wanted—As working foreman by good, practical, experienced grower of roses, carnations 'mums, cut flowers and pot plants; designer, landscape gardening etc.; sober, steady, not afraid to work; 29 years' experience; German, 43 years of age, married; best of references. Address Key 509, care American Florist.

Situation Wanted—Head gardener on a private place; first-class references; single, German; reliable, strictly sober, intelligent, of good education; 22 years' practical experience in all kinds of indoor cut flowers, palms, ferns, fancy pot plants, decorating landscape, carpet bedding, fruit and vegetables; disengaged April 15; good wages expected. Key 507, care American Florist.

Help Wanted—A man to work in rose sections; state wages without board. Apply COLE BROS., Peoria, Ill.

Help Wanted—An experienced rose grower; must come well recommended. THE ELIZABETH NURSERY CO., Elizabeth, N. J.

Help Wanted—Good man to run small place himself. Steady position: German preferred. With full particulars address Key 491, care American Florist.

Help Wanted—A good steady reliable man that knows the culuure of roses, carnations and 'mums; would like to have man at once. LEO H. HERMES 666 Gorman Ave., St. Paul, Minn.

Help Wanted—At once, a man capable of potting and bedding out also assisting in retail store when necessary; salary $12 per week; full particulars and copies of references in first letter. JOHN RECK & SON, Bridgeport, Conn.

Help Wanted—Good growers of first-class stock, roses, carnations, 'mums, etc. for retail store; coldest weather this winter 14 above; modern greenhouses; good wages to right party. Address Key 490, care American Florist.

Help Wanted—Assistant in retail place of 10,000 ft of glass; must be a good worker and sober; state age and references; wages $15.00 per week, steady place for a good man. Address SEATTLE FLORAL CO., 4th and Denny Way, Seattle, Wash.

Catalogues Wanted—I desire late catalogues from firms handling seeds, bulbs and florists' supplies. W. W. WESTON, Manila, P. I.

For Sale—27,000 feet of glass filled with first-class stock; located in one of Chicago's suburbs; low price. Address MRS. HUBERT HANSEN, 4016 N. Clark St., Chicago.

For Sale—A well established commercial place in the best town in southern California. Excellent opportunity for live florist and plantsman. Key 506, care American Florist.

For Sale—Greenhouses in good condition: 10,000 ft of glass, also double house, all modern good location, 210-ft front; or will sell greenhouses alone. HENRY EICHOFF, 2863 E. 75 St. Cleveland, Ohio.

For Sale—Greenhouses and stock; about 20,000 feet of glass, well stocked with all kinds of bedding plants, ferns, palms and cut flowers; for terms inquire of Mrs. Hugo Book, College street, Worcester, Mass., or L. Midgley, Worcester Conservatories, Worcester, Mass.

For Sale—A retail florist business, 5 greenhouses about 5000 feet of glass, store barn, 8 room house, lot 100 feet front, over 200 feet deep located in fine neighborhood; a good opportunity for two young men who understand the business with small capital to start; good reason for selling; party must have $5(00, balance to suit purchaser. G. F. THRUN 8707 Cedar Ave. Cleveland, O.

For Sale—Five greenhouses under 20,000 feet of glass, with growing crop of carnations four acres of ground, best kind of soil five-room and attic frame dwelling 24x36 feet, good well and windmill, barn, horse and wagon. Property built six years ago, and is in A1 condition. Will be sold at a bargain. WISCONSIN NATIONAL LOAN AND BUILDING ASSOCIATION, Room 22, Mitchell bldg. East Water and Michigan Sts., Milwaukee, Wis.

For Sale—At a sacrifice: a model floral establishment in the city of Youngstown, Ohio. This is the oldest floral establishment in the city, and has a trade that is desirable in every way. In order to close out an estate, this establishment will be sold at a price that will be an inducement. This is an excellent opening for some one desirous of engaging in the floral business. For further particulars call on or address, C. EDWIN OYSTER, Receiver, 507-508 Dollar Bank Bldg., Youngstown, O.

For Sale—One of the largest and best known mail order seed, bulb, plant and nursery establishments in the United States. This business was established in 1860 and is known by all seed people the country over, and many abroad, and has an enviable reputation for quality in seeds plants, etc. This is an excellent opportunity for an individual or corporation desirous of entering into this line of business, which is a very profitable one to engage in. To an ambitious young man or several of them associated together, it offers a rare opportunity to step into and take up the management of a business that is so thoroughly established and as well known as this one is. In order to close out an estate, the entire establishment, including 52 acres of testing gardens, office buildings, greenhouses containing 45,000 feet of glass, barns, seven dwellings, a complete and up-to-date printing establishment in which is turned out all printed matter used, including catalogs; horses, wagons, and entire equipment necessary to carry on this business successfully, will be sold at a sacrifice. Any one interested can have full particulars by addressing or calling upon the undersigned. C. EDWIN OYSTER, Receiver. 507-508 Dollar Bank Bldg., Youngstown, O.

WANTED.

A competent man for designing and packing room to take full charge. Must be a first-class workman on funeral work and be thoroughly experienced in the retail cut flower line. Also one experienced on pot plants and design work; good situation for the right men; apply with references

S. J. REUTER & SON, INC.,
WESTERLY, R. I.

NOW READY. 1908 EDITION.

—THE AMERICAN FLORIST—

TRADE DIRECTORY

of the entire **HORTICULTURAL TRADE** of America,

Price, $3.00 Prepaid.

A complete alphabetical list of all American cities with the names and addresses of all commercial horticulturists therein. A separate list, arranged alphabetically, of every commercial horticulturist in this country. A separate list of park superintendents, and all cemeteries. A separate list of all florist's clubs and horticultural societies, with their newly elected officers to date.

Easter Lilies

Superb Lily of the Valley
American Beauties
Richmonds
Killarneys
Brides
Bridesmaids

Violets
Carnations
Daffodils
Tulips and Narcissus
Hyacinths and Sweet Peas

H. M. ROBINSON & CO.
WHOLESALE COMMISSION FLORISTS
9 Chapman Place,
BOSTON, MASS.
TEL. 2617-2618 MAIN
15 Province Street

For Easter Decorations

SOUTHERN SMILAX, LAUREL FESTOONING,
LEUCOTHOE SPRAYS, DAGGER and FANCY FERNS.

BRONZE AND GREEN GALAX.

ALL ORDERS RECEIVE PROMPT AND PERSONAL ATTENTION.

G. MESSEBERG,

Lenox Road, Brooklyn, New York. Phone 117 Flatbush.

Wholesale Grower of PLANTS AND CUT FLOWERS.

John P. Scherer

UNION HILL, NEW JERSEY.

New York Branch: 463 Sixth Ave., bet. 28th and 29th Sts., New York. Telephone 6237 Mad. Sq.

SMILAX, FERNS, PALM LEAVES
and all kinds of GREEN GOODS.

THE KERVAN COMPANY,
113 West 28th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe, Ferns, Mosses and all Decorative Evergreens.

Sphagnum Moss and Cedar Poles.
Moss, 5 barrel bale, $1.25; 2 bales, $2.25; 5 bales $5.00; 10 bales, $9.50. **Poles,** 2-in. butt, 8 ft. long, $15.00 per 1000; 2½-in. butt, 10 to 12 ft. long, $22.50 per 1000; 1½-in. butt, 5 to 7 ft. long, $10.00 Cash.
H. R. AKERS, Chatsworth, N. J.

BONNOT BROTHERS

COOGAN BUILDING,
55-57 W. 26th St., NEW YORK CITY.
Open from 6 a. m. to 6 p. m.
STRICTLY WHOLESALE DEALERS IN
Smilax, Cut Flowers, Asparagus, Etc.
ALWAYS ON THE JOB.

Rochester, N. Y.

Azaleas and other flowering stock is about all disposed of for Easter delivery.

J. B. Keller's Sons report a shortage in many varieties of herbaceous plants, owing to the heavy demand for this class of stock this spring.

Chas. Fry, carnation specialist, has some very fine houses of carnations, and is cutting immense quantities of first-class stock for the market.

At Vick & Hill Co.'s the spring shipping trade keeps all hands hustling, and the firm reports a good trade in all lines.

Joseph Donnelly, of the firm of Donnelly Bros., was recently elected town clerk for the town of Greece. F. W.

Fancy and Dagger FERNS $1.75 per 1000

Discount on ge orders.
New Crop Galax, Bronze or Green, $1.25 per 1000: 10,000, $7.50. **Wild Smilax,** 50-lb. case, $6.00.
Sphagnum Moss, large bales.....$1.25
Leucothoe Sprays.....$1.00 per 100; 1000, 7 50
Boxwood.....35c per bunch; 50 lbs.. 7.50
Florists in the Middle and Western States can save money by placing their fern orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,
WHOLESALE COMMISSION FLORISTS,
38-40 Broadway, All Phone Connections. DETROIT, MICH.

Keep up Courage and be Game.

Better Times are Coming.

ALWAYS AT
YOUR SERVICE

Yours very truly, Alexander J. Guttman

Send Easter Orders
NOW.

The Wholesale Florist of New York.
43 West 28th Street.
Phones: 1664-1665 Madison Square.

H. J. Smith
HARDY CUT FERN DEALER,
Write for prices for what you want.
HINSDALE, MASS.

George Cotsonas & Co.
Wholesale and Retail Dealers
in all kinds of
Evergreens.
Fancy and Dagger Ferns, Bronze and Green Galax,
Phone 1202 Mad. Sq.
Main Store. 50 W. 28th St.. NEW YORK.

Smilax...
Good heavy Smilax, 6 feet long, $1.50 per doz.; $10.00 per 100.
THE LAMBORN FLORAL COMPANY,
ALLIANCE, OHIO.

E. A. BEAVEN
Southern Wild Smilax,
Log Mosses,
Natural and Perpetuated—at Wholesale,
EVERGREEN, ALABAMA.

Secaucus, N. J.

Komitsch & Junge are fast pushing to the front as leading orchid growers among those who supply the New York market with cut flowers. In sweet peas they doubtless have a larger area than any other growers of this part of the country, if not of the whole United States. All told, at their two ranges they have 15 large houses in sweet peas.

Emile Savoy is to the front again with a very fine stock of Easter plants, very noteworthy being a lot of finely flowered bougainvilleas. A great stock of small palms and ferns, the latter very suitable for dishes and combinations, are always to be found at this range.

The Mutillod Bros. are showing good stock in seasonable plants, their palms being noteworthy.

MIDDLETOWN, CONN.—The overturning of a lamp in the office of F. B. Fountain Co., started a blaze April 1 which did considerable damage to the floor and the woodwork. The fire was put out by Mr. Fountain without notifying the fire department.

SPECIAL FOR
EASTER

Crowl Fern Co.

Fine selected **Fancy** or **Dagger Ferns, $1.25** per 1000
Good **Ferns** ..... **$1.00** per 1000
Bronze Galax, 10,000 lots **$5.00**
Green Galax, $1.00 per 1000. 10,000 lots **7.50**
Wild Smilax, 50-lb. cases **6.00**

Do your decorations with our fine
Laurel Festooning, 4c., 5c. and 6c per Yard
Leucothoe Sprays, Bronze or Green, ... **40c** per 100
Ground Pine, 5c. per lb. or ..... **5c** per yard
Telegraph office, New Salem, Mass. L. D. Phone connection.

Crowl Fern Co., Millington, Mass.

F. H. Weber

Boyle and Maryland Aves.,
Heart of the Residence District,
ST. LOUIS, MO.

For Easter Flowers

THE BEST IN THE MARKET.

Wire or phone all orders. Phones: Bell and Kinloch.

Chicago.

TRADE FAIR.

The market last week was not overly active, although considerable quantities of stock were moved at the low prices that prevailed. Good carnations seemed a little less plentiful, but opinion is divided as to whether this is on account of more or less general going off crop or only because growers are not now cutting as closely as formerly, awaiting what they think will be a more favorable market at Easter. Prices as a consequence, while not higher, have held a little firmer. There are excellent offerings now in roses. Bride and Bridesmaid have seldom been better, and all growers seem to be cutting them. Chatenay is also an excellent thing. American Beauty is good in quality and quantity. Callas have moved better the past week than formerly. Opinion varies as to the outlook for Easter, but many have remarked the season's peculiarity in that while business generally has been slow, the holidays have held up to the average of other years. It is now certain there will be a good supply of lilies, both in pots and cut.

CLUB MEETING.

The Florists' Club held its regular meeting at the Union restaurant April 2 with President Leonard Kill in the chair and about 30 members present. No business of importance was transacted except the election of new members, as follows: John Michelson, 32 Randolph street; R. Schiller, 890 W. Madison street; Chris. Peterson, 1551 Kenmore avenue; Harry P. Prescott, Twenty-second and Halsted streets; Henry C. Blewitt, Des Plaines; Emil Pielke, Geneva, and A. Aggerholm, Onarga. There was also an interesting and informal discussion as to whether the wholesalers ought not to refuse to handle amateur grown stock, but no decision was reached.

THOMPSON, FLORIST, JOLIET.

The grand spring opening of Thompson, Florist, of Joliet, on last Friday and Saturday, was an entire success in every way, about 4,000 persons visiting the store in those two days. Every visitor was given a carnation and also a number for a drawing (to be held next Saturday) on a $10 palm. This number was in a circular which every person who desired a chance must take home and read. The floral attractions in the store consisted of a wedding canopy of wild southern smilax, crab apple blossoms and wistaria, studded with pink incandescent lights; also a table decoration of Killarney roses, lily of the valley and maidenhair ferns, with a Japanese combined candlestick and flower holder for a center piece. The grand opening was advertised in the local papers and by a card in the show window for several days previous.

NOTES.

Spring work has begun in Chicago's parks, and during the next couple of weeks the landscape gardener will do most of the planting and transplanting that is in view for the year. In the South Park system alone 10,000 trees and 50,000 shrubs are being set out more fully to realize the artistic possibilities of the grounds.

Geo. Asmus says the construction of the new store of Schiller, the Florist, at 904 and 906 Madison street, directly across the street from the present store, will be under way by May 1. Two immense window fronts will be put in, also a 25-foot house at the rear for decorative stock.

J. B. Deamud returned Monday morning from Michigan and reports that the plants the J. B. Deamud Co. is offering are in fine condition for Easter. Mr. Deamud has made arrangements to handle a practically unlimited quantity of Narcissus Emperor.

Frank Oechslin reports that many of his customers are buying Easter plants in larger lots than last year at this time. Other stock is also in big demand, especially Boston ferns and ferns for fern dishes.

Alderman Peter Reinberg was sent back to the council by a plurality estimated Wednesday morning at 961. This makes his third term.

The A. L. Randall Co. is having a very good demand for that firm's Easter baskets, among which several new designs are noticed.

Bassett & Washburn expect to have for Easter the largest stock of Easter lilies in the history of the house.

J. A. Valentine, of Denver, Colo., who has been here since the rose show, left for his home Sunday morning.

Anton Then will celebrate the twenty-fifth anniversary of his starting in business April 16.

The Kennicott Bros Co. is receiving some extra fancy Bountiful and Lawson carnations.

Some exceptionally fine Bride and Bridesmaid roses are being cut at J. A. Budlong's.

Wietor Bros. report cutting Mme. Chatenay roses with good strong 5-foot stems.

Geo. Reinberg will cut an exceptionally fine lot of stock for Easter.

Zech & Mann report a good call for their fine callas.

Visitors: J. J. Soper and wife, Rockford; Gus. Frederickson, St. Joseph, Mich.; W. E. Pew, Whitehall, Mich.; A. Loudenberg, Valparaiso, Ind.

Cleveland.

TRADE ERRATIC.

Business continues to be changeable, some days stock is cleaned up, then again trade drags. The carnation and rose crops have shortened up a bit, but the bulbous stock is coming in such large quantities that the shortening of other crops is not noticed. Several large store openings last week took thousands of carnations and tulips. The wholesalers had no trouble whatever in filling these orders; in fact it would have been possible to fill orders for several thousand more flowers without much effort. Harrisii lilies are rather short stemmed but the flowers are of excellent quality. American Beauty roses are becoming more plentiful. The demand for good long stemmed flowers is greater than the supply. The call for Richmond is heavy. Carnations continue to bring a fair price and we think that with a little tact the wholesalers can keep the prices up for the next two weeks. Sweet peas are coming along in fine shape. Green goods are plentiful and in good demand.

NOTES.

Smith & Fetters are showing an unusual pretty window display of Easter novelties. It is a blue and white idea in the best Smith style. Hampers of unique shape, filled with various pale blue flowers and white cut flower boxes tied with large bows of blue satin ribbon, are used in the decoration. The effect is very striking and certainly does not fail to attract considerable attention.

The James Eadie Co. has an elegant supply of Easter plants on hand; these include, genistas, rambler roses, hydrangeas, and azaleas, also the pyramid azaleas. The latter take exceptionally well with the trade. This firm is fortunate in having a full crop of roses and carnations just in time for the holiday business.

C. B. Wilhelmy, W. Twenty-fifth street, has been busy the past week with funeral work. His stock is looking fine.

The J. M. Gasser Co. has a number of small luncheons booked for the coming week.

FORESTER.

Kennicott Brothers Company,

WHOLESALE

CUT FLOWERS.

48-50 Wabash Ave.,

CHICAGO.

Klehm's Novelty Tulips

50 in the box, $2.00 per box.

We will have anything in the line of

Cut Flowers and Greens

that you may want it anybody has at Chicago market prices on day of shipment.

KENNICOTT BROS. CO.

L. D. PHONE, CENTRAL 466.

48-50 Wabash Ave., CHICAGO.

THE FINEST
VALLEY FOR EASTER
$3.00 per 100; $25.00 per 1000; extra select, $4.00 per 100. We will have an unusually fine cut on.
WESTERN HEADQUARTERS FOR
FINEST COLD STORAGE VALLEY PIPS
$12.00 per 1000; $1.50 per 100; select stock, $14.00 per 1000; $1.75 per 100. Every Case Guaranteed.
H. N. BRUNS, 1407-1411 W. Madison St., Long Distance Phone Kedzie 1196. Chicago

THE BENTHEY-COATSWORTH CO.
35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO

J. A. BUDLONG
37-39 Randolph Street, CHICAGO.
Roses and Carnations A Specialty.....
WHOLESALE GROWER of CUT FLOWERS

DAILY SHIPMENTS OF
Cut Flowers
From 40 to 60 Growers.
"Greens" Our Specialty.
E. F. Winterson Co.,
45-47-49 Wabash Avenue. CHICAGO.

E. C. AMLING
THE LARGEST, BEST EQUIPPED, MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.
32, 34, 36 Randolph Street, CHICAGO.
L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO April. 8.

Rose, Beauty, extra fancy		$6 00
" " 24 to 30-in. stems.	4 00@	5 00
" " 12 to 20-in. stems.	1 50@	3 00
" " Short stems	1 00@	1 25
" Killarney	6 00@	12 00
" Bride, Maid, Ivory Gate	4 00@	10 00
" Liberty, Richmond	6 00@	12 00
" Chatenay, Perle	4 00@	10 00
Carnations	1 50@	3 00
Violets	25@	50
Lilium Harrisii, per doz.	1 50@	2 00
Callas, per doz.	1 50@	2 00
Lily of the valley	2 00@	4 00
Smilax, per doz.		2 00
Asp. Plu. & Sprengeri bunch		50
Asparagus strings, each		50
Adiantum, per 100	75@	1 00
Leucothoe sprays	6@	75
Ferns, per 1000	2 00@	2 50
Galax, green, per 1000		1 00
bronze, per 1000		1 00
Boxwood, per bunch		35

Vaughan & Sperry,
Wholesale Florists,
58 and 60 Wabash Ave., CHICAGO.
WRITE FOR SPECIAL PRICES.

Zech & Mann
Wholesale Florists
Room 218, 51 Wabash Ave., CHICAGO
Telephone, Central 3284.

Chas. W. McKellar
51 Wabash Ave.
CHICAGO.

ORCHIDS
A Specialty
Fancy Stock in VIOLETS VALLEY, ROSES, BEAUTIES, CARNATIONS and a full line of all Cut-Flowers, Greens, Wire-Work and FLORISTS' SUPPLIES.
Send for Complete Catalogue.

Poehlmann Bros. Co.
Wholesale Growers of
and Dealers in Cut Flowers
All telegraph and telephone orders gvien prompt attention.
Greenhouses: MORTON GROVE, ILL. 35-37 Randolph St., CHICAGO.

WEILAND -AND- RISCH
Wholesale Growers and Shippers of
CUT FLOWERS
59 Wabash Ave., CHICAGO.
'Phone Central 879.
Write for our wholesale price list.
WHOLESALE FLORISTS

PASADENA, CALIF.—The flower show this year will be located at the same place, the lot north of Masonic temple, which it occupied last year. There will be two tents and an alcove and the floor space, though triple that of last year, will scarcely accommodate the large number of entries. One tent will be 100x160, another 40x60 feet, and the alcove occupying the space between the two tents which will be on the extreme north and south areas of the lot. The alcove will contain all the bridal wreaths, arches and canopies. Richard Thomas of 308 Stevenson avenue is secretary.

DENVER, COLO.—At a meeting of the executive board of the Horticultural Society held in the rooms of the society at the capitol building March 25, the premium list for the horticultural exhibits at the state fair at Pueblo was made out. The society has $2,000 for distribution, $1,500 of which will go for premiums on fruit and $500 for premiums on flowers. The meeting was attended by W. S. Coburn, C. E. Parfet, D. R. Stotler and Mrs. M. A. Shute.

CADILLAC, MICH.—J. P. Herzog of Bay City, has purchased the floral business of R. A. Mason & Co. Mr. Herzog for a year has had charge of the retail store of the Wm. Roethke Floral Co. at Bay City.

RIESSEN FLORAL CO., 21 South Broadway, ST. LOUIS, MO.

ALWAYS BUSY.

Floral Designs and Cut Flowers at All Times. Wire or phone all orders.

GEORGE WALDBART, FLORIST

Floral Decorations, Floral Emblems, House Plants, Bedding Plants, Palms, etc. **Cut Flowers.**

TELEPHONES { Bell Lindell 167. Kinloch, Delmar 2402. **516 North Grand Ave., ST. LOUIS, MO.**

Young & Sons Co., St. Louis, Mo.

LARGEST GROWERS OF PLANTS AND CUT FLOWERS.

Wire or phone your orders and we will take care of them. **Forty Years in Business.**

ST. LOUIS, MO., 1324 Pine Street,

WHOLESALE FLORIST,

Everything in Florists' Supplies and all Cut Flowers in Season.

GEO. H. ANGERMUELLER....

Wholesale Flower Markets

BUFFALO, April. 8.

Roses, American Beauty	3 00@30 00
" Bride, Bridesmaid, Meteor	4 00@10 00
Carnations	1 00@ 3 00
Lily of the valley	2 00@ 4 00
Smilax	15 00
Adiantum	50@ 1 50
Lilies	4 00@15 00
Galax	per 1000, $1 50
Ferns	per 1000, 2 00
Violets	40@ 75
Mignonette	2 00@ 5 00
Narcissus	2 00@ 3 00
Sweet peas	40@ 1 00
Hyacinths	2 00@ 3 00
Tulips	2 00@ 3 00
Daffodils	2 00@ 3 00
Asparagus Sprengeri	per bunch, 25 50
Asparagus plumosus	per bunch, 25@ 50
Freesias	2 00@ 00

MILWAUKEE, April. 8.

Roses, Beauty	75@ 5 00
" Liberty, Chatenay	3 00@10 00
" Bride, Bridesmaid	3 00@10 00
" Meteor, Golden Gate	3 00@10 00
" Perle	4 00@ 6 00
Carnations	2 00@ 4 00
Smilax	$1 50 per doz.
Asparagus, sprays	3 00
" Sprengeri	2 00@ 3 00
Lily of the valley	2 00@ 3 00
Adiantum	1 50
Violets	50@ 75
Common ferns	$2 00 per 1000
Harrisii lilies	$2 00 per doz.
Paper White narcissus	2 00@ 3 00
Roman hyacinths	2 00@ 3 00
Tulips	2 00@ 3 00
Daffodils	2 00@ 3 00
Sweet peas	50@ 1 00

ST. LOUIS, April. 8.

Roses, Beauty, long stems	2 00@ 2 50
" " medium stems	1 50@ 2 00
" " short stems	50@ 1 00
" Bride	2 00@ 8 00
" Bridesmaid	2 00@ 8 00
" Chatenay, Richmond	2 00@ 8 00
" Killarney	2 00@ 6 00
Carnations, common	1 00@ 1 50
" best	2 00@ 3 00
Smilax	12 50
Asparagus Sprengeri	1 00@ 2 00
" plumosus, strings	25 00@40 00
" cut sprays	1 00@ 2 00
Ferns, fancy	per 1000, $2 50
Lily of the valley	3 00
Violets, California	25@ 30
Narcissus	2 00@ 3 00
Callas	6 00@10 00
Sweet peas	35@ 75
Roman hyacinths	1 50@ 2 00

H. E. FROMENT,

57 West 28th St., NEW YORK CITY.

Easter, 1908.

ROSES American Beauties, Bridesmaid, Bride, Richmond and Killarney.

VIOLETS, CARNATIONS, LILIES

(Cut and Potted.)

Sweet Peas, Tulips, Narcissus and all Seasonable Flowers.

Telephone: **2200-2201** Madison Square.

CINCINNATI, April. 8.

Roses, Beauty	$1 00@$ 4 00
" Bride, Bridesmaid	3 00@ 6 00
" Richmond	3 00@ 6 00
" Golden Gate	3 00@ 6 00
" Ivory	3 00@ 6 00
Carnations	1 00@ 3 00
Lily of the valley	2 00@ 3 00
Violets	50@ 3 00
Daisies	50
Callas	10 00@12 50
Harrisii	15 00
Dutch hyacinths	3 00@ 4 00
Narcissus	3 00
Smilax	12 50@15 00
Daffodils	2 00@ 3 00
Tulips	2 00@ 4 00
Asparagus plumosus and Sprengeri in bunches	per bunch. 25c
Eastern Ferns	per 1000, $2 00
Galax, Green and Bronze	$1 00
Snapdragon	75 per doz

LYONS, N. Y.—Oliver Horn, a retired nurseryman, died here some months ago, leaving considerable property, only part of which was found. It was believed that he was a hoarder of money, but a rigid search failed to reveal very much. A few weeks ago, the personal property was auctioned off, Henry C. Kaiser, a neighbor, buying a keg of old scrap iron and nails for 75 cents. Mr. Kaiser went through the keg, discovering a leather pouch containing $300 in gold. He turned it over to the administrator. The farm was sold at partition sale and bid in by Seth Woodard, an heir, for $4,575. He will tear the buildings to pieces to see if there is any more gold hidden. Other purchasers are ransacking their purchases to find wealth.

For Easter

We have a splendid lot of

EASTER LILIES

THE KIND THAT WILL PLEASE YOU.

Send in your order as soon as possible,

and if you want some

REALLY FANCY CARNATIONS, ROSES, VIOLETS

AND OTHER SEASONABLE FLOWERS

TRY Holton & Hunkel Co., MILWAUKEE, WIS.

WM. C. SMITH & CO., Wholesale Florists

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C. A. KUEHN, Wholesale Florist, EVERYTHING FOR EASTER

Special Prices on Wire Designs.

1122 Pine St., ST. LOUIS, MO.

Davenport, Ia.

TRADE FAIR.

Business the past week was moderate with plenty of stock to meet all demands. Prospects for Easter are very bright, with enough of everything in sight to meet the demands. Nearly every florist has his cellar full of lilies and bulb stock is coming along just about right.

The April meeting of the Tri-City Florists' Club was held at the home of Henry Pauli on the evening of April 2, a large number being present. Officers for the ensuing year were installed, and a very interesting meeting held, after which luncheon was served by the host and a social hour spent.

A local 5-10 cents store is selling 4-inch geraniums at 5 cents each and 4-inch Whitmani ferns at 10 cents (same are listed by all wholesalers at $25 per 100) and a grocery store has been selling daffodils at 10 cents per dozen, outdoor stock from the south.

John Temple's greenhouse caught fire the other day from a brush fire. But for the quick run of the fire department much damage would have been done, as there was a high wind blowing at the time. As it was, some $300 will cover the damage done.

Three houses will be built this summer at Central park, two 22x125, one 12x125. Supt. Boehm is ready for spring planting with more and finer grown stock than ever before. Tulips are in bloom in the open at the park gardens.

Chas. Hummell has let the contract for the building of a greenhouse 20x80 feet; he will also rebuild his old range.

Julius Staack of Moline, Ill., is still on the sick list. T. E.

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations and all kinds of Seasonable Flowers in stock.

WM. F. KASTING CO. Wholesale Commission Florists.

BUFFALO, N. Y.

Florists' Supplies and Wire Designs.

H. G. BERNING,

Wholesale Florist

1402 Pine St., ST. LOUIS, MO

ST. LOUIS.—The Horticultural Society has adopted practical means for the development of "The City Beautiful" by the offering of prizes for the best kept gardens, window boxes and home surroundings. In order to create a keen interest in the competition, bulletins on the care of plants and flowers will be given to all who send in their request to Otto G. Koenig, 6471 Florissant avenue.

THE

J. M. McCullough's Sons Co.

Wholesale Commission Florists.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

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316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Weiland & Olinger,

128 E. Third St., CINCINNATI, OHIO.

Wholesale Growers and Shippers of Cut Flowers.

Greenhouses, NEW CASTLE, IND.

RICE BROTHERS

Wholesale Florists and Supplies,

115 N. 6th St., MINNEAPOLIS, MINN.

CUT FLOWERS received twice daily. Can fill your orders to your satisfaction. Also headquarters for **Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns.** Prices quoted on large quantities.

UTICA, N. Y.—Joseph Boehm, formerly with Bigelow & Son, has opened a flower store at 62 South street.

New York.

TRADE UNINTERESTING.

With low prices and a light demand, the cut flower district has had little during the past week to vary the monotony. When American Beauty roses get down to 15 cents for the best, cut flower news cannot be interesting. Even the street peddlers of violets have had a run for their money—10 cents per bunch—as the last three days of the week were cold and very windy and street trade was carried on at a great disadvantage.

EASTER STOCK.

The most interesting phase of the business at present is the Easter forecast which develops in the buyers for the retail stores visiting the plant growers scattered over the territory near the city. The hot spell of two weeks ago gave stock a great start and more of it is now in bloom than is desirable, but there is no indication of an Easter shortage. Though there has been much complaint about poor bulbs, the lily crop is very fair. Azaleas and hydrangeas will be in good quantity and condition while there will be much fine stock of Crimson Rambler, Dorothy Perkins, Lady Gay and other roses. The cold weather of the past week has been beneficial in holding back stock that had been coming on too fast; if we can have another week of cool weather, Easter prospects will be excellent, but indications point to a very conservative policy on the part of the retailers while an atmosphere of doubt surrounds them.

NOTES.

Chas. Zeller & Son, of Brooklyn, are now very busy between handling nursery stock and the many Easter plants with which their greenhouses are stocked. A striking feature at this range this season, has been a very fine lot of blue hydrangeas, which have been selling fast. This firm seems to have the right idea of bringing in tulips and hyacinths in pots and pans in neat and attractive shape for Easter.

John Scott of Brooklyn seems to be in training for the title of lily king for this section; he has something over 20,000 and they will be in just at the right time. He also has several houses of fine gardenias and other flowering and foliage plants, and it is well to remember that his range is the old homestead of Scottii fern.

At Cleary's Horticultural Hall, 62 Vesey street April 7, there was an exceptionally large offering at auction of nursery stock, both imported and domestic. One item was 2,000 rose plants, and there were trees in 100 lots, and bulbs by the barrel.

Though it is yet early for building operations, Wm. H. Lutton has two iron frame houses, each 28x145 feet, well on the way to completion for A. Demeusey, the well known Brooklyn grower of cut flowers. They will be utilized for carnation houses.

The Fruit Auction Co.'s plant auctions, which opened April 1, have been very successful, good stock of trees, shrubs, foliage, flowering and herbaceous plants going at very satisfactory prices. The attendance has been good and interest is increasing.

Pankok & Schumacher show a fine stock and they are about ready to put up the "all sold" sign. Their neighbors, the Hinode Florist Co., do not expect to have anything left, and the same applies to H. D. Darlington of Flushing.

G. Messeberg, another Brooklyn grower, in addition to a fine crop of pink and white carnations, is also showing a big stock of Easter plants, consisting of all the most popular things that are in demand at this season.

At the next meeting of the Florists' Club, April 13, in addition to the exhibits announced last week, W. A. Manda, of Orange, N. J., will exhibit Rosa Sinica or Cherokee rose and probably other plants from his fine collection.

Joseph Klein, a florist employed by Henry L. Bantelman, has the sympathy of all in the distressing accident by which his little daughter, aged three years, was burned to death March 30.

At Ford Bros.' may be seen an unusually fine exhibit for the season, of Beaute Poitevine and other geraniums, grown by John Tschupp & Co., of West Hoboken, N. J.

Peter Crowe, of Utica, was in the city April 6, looking over the wholesale district. Mr. Crowe is taking life easy but still devotes considerable attention to his ferns.

Louis Dupuy of Whitestone has a fine Easter stock which is likely to be quickly taken. Noteworthy among many good things are his ericas.

Robert Kift, of Philadelphia, was in the city on April 4, and made a flying visit to Boston.

Boston.

A SLIGHT IMPROVEMENT.

As Easter week approaches a slight improvement is felt. Aside from a fairly good demand for funeral work there is but little miscellaneous trading and as might be expected, spring plant trade is being postponed to Easter week. The stores are carrying light supplies of plants and several of them bear a rather deserted appearance, no doubt due to the effort directed to a general cleaning up before the holiday season. Market conditions are gradually changing and while yet there is no appearance of a scarcity, excepting for violets, stock is shortening up considerably. Violets are scarce and there will be a great scarcity of first class stock of this kind for Easter. The situation with carnations is but little changed. While receipts from growers are lessening there is still a heavy surplus being carried. Roses have suffered a further decrease in price and have been coming in in excellent condition, and in great quantities. Doubtless the coming week will find this stock very much absorbed and a good supply being held in store for later use. Certain sections report the lily crop light, but probably no difficulty will be met with in securing ample supplies. Lilium candidum will be available from several growers, but the demand for this lily is but a trifle compared with its favorite successors. An excellent supply of lily of the valley, sweet peas, gardenias and orchids is available and will be extensively favored owing to the shortness of the violet crop.

NOTES.

Chas. Ingraham, a well known grower, of late connected with W. J. Dana's establishment at Wellesley Hills, was found dead in bed by his room-mate at 11 a. m. April 5, at their boarding place in the same town. His companion, William Hofs, had dressed and left the room and when returning later found that Mr. Ingraham was dead. The deceased was 45 years old and his death resulted from heart disease.

Wm. Sim with his characteristic alertness to the situation is devoting all energies to the preparing for Easter of a suitable crop of violets. For several years the resources of this establishment have been the backbone of the local supply and this year more than ever will its value be appreciated. With both the Princess and his own product, Boston, a crop reaching 150,000 will be available.

M. J. Aylward of Woburn is planning the erection of a 200-foot house this spring. This entire plant is devoted to the growing of roses and the addition as outlined will increase the capacity of the output, which has been badly needed.

Welch Bros. for the Easter trade have secured the selling right of an exclusive line of gardenia plants which are being prepared for distribution among their favored patrons.

H. M. Robinson & Co. have just received their new spring stock of southern smilax and this favorite decorative vine was never seen in better condition.

The Thomas F. Galvin corporation has been handling a great volume of funeral work the past three weeks. Exclusive work is its specialty.

W. H. Elliott, accompanied by Mrs. Elliott, sailed for Bermuda April 7, and will enjoy a month's vacation in its more congenial climate.

B.

As Others See Us.

Under the caption of Random Notes, we note the following in The Horticultural Advertiser, England:

American carnations appear to be coming almost as fast as sweet peas, and the way they are being pushed, indicates that there is no falling off in the popularity of this flower in the United States. Winsor of course is going strongly, but another wonder is Winona, said to be the truest pink yet offered. A pale pink sort named May, is having a good turn also. Defiance promises to have a big run as a scarlet.

Roses, too, are constantly appearing, which tends to show what an appetite Americans have for glasshouse blooms. Mrs. Jardine, the Irish variety is now having a great run. My Maryland is also looked upon as a paying thing. Queen Beatrice and Rhea Reid are also much talked of in trade circles. Richmond, apparently, like Liberty, is a disappointment, owing to its lack of petals, and one or two big American growers talk of dropping it, although it does not appear that there is any other variety of similar color to take its place.

There seems to be an increasing interest in the single dahlia in America, especially since the advent of Twentieth Century. I remember testing the first of this new giant race and was much struck by its fine flowers. There are now about half a dozen new shades, and to my way of thinking these singles are much more refined than the peony type.

It is curious to note that while named verbenas have practically died out in this country, they are in great vogue in the United States.

J. L. Dillon, of Bloomsburg, Pa., is known as the verbena king, and I was amazed when his list came my way last year, to find him quoting some 60 varieties at wholesale rates. The only really decent lot of named verbenas I have seen in recent years, was that shown by H. B. May at the Temple last year. I certainly think that a great deal more might be made of this plant, for seedlings are not always satisfactory.

The big American geranium specialist is about to pay a visit to this country, and those who have anything good in the line should endeavor to get R. Vincent to pay a call. He leaves America April 4.

The seed adulteration act in Iowa, is going to give some firms a good deal of trouble. It is bad enough to find one's name quoted in a report as selling a mixture of grass and weed seed, but if the lay press gets hold of these reports—and quite recently one paper did—and publishes the same, it will not create much brotherly love.

LEOMINSTER, MASS. — Twelve members of the Worcester Market Gardeners Association made their tenth annual visit to the greenhouses of Geo. M. Kendall, 400 North Main street, March 28. The Worcester men were guests of the New England cucumber king, and all conceded that Mr. Kendall has the right to that name from the appearance of the thousands of cucumber plants they inspected.

Traendly & Schenck,
WHOLESALE FLORISTS,
44 West 28th Street, Phones, 798 and 799. New York City.

Alexander J. Guttman,
THE WHOLESALE FLORIST OF NEW YORK
43 WEST 28th STREET
PHONES, 1664-1665 MADISON SQUARE
ENOUGH SAID

J. K. ALLEN, Wholesale Commission Florist.
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Open every day at 6:00 a. m. Telephone, 167 Madison Square.
106 W. 28th Street, NEW YORK CITY.

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WHOLESALE FLORISTS-
54 West 28th Street, NEW YORK.
Consignments of Choice Cut Flowers Solicited. Prompt Payments. Give us a Trial. Telephone 3559 Madison Square.

CLEARY'S HORTICULTURAL CO.
62 Vesey St., NEW YORK.
HORTICULTURAL PRODUCTS
Wholesale, Auction,
Consignments, Quotations and Correspondence Solicited.
Sales every Tuesday and Friday.

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JOHN I. RAYNOR
Are the best product of the best growers for the New York Market.
Adiantum Croweanum sold here exclusively.
49 W. 28th St., NEW YORK.
Tel. 1998 Madison Square.

ALFRED H LANGJAHR
WHOLESALE FLORIST
55 W. 28th Street, NEW YORK.
All flowers in season. Consignments of first-class stock solicited.
Telephones, 4626 and 4627 Madison Sq.

FORD BROS.
Receivers and Shippers of
Fresh Flowers
48 West 28th St. NEW YORK.
Telephone 3870-3871 Madison Sq.

NEW BEDFORD, MASS.—The fifth annual banquet of the Horticultural Society, March 26, was a very brilliant affair. It was followed by a brief entertainment. The tables were artistically arranged about the vestry, and were decorated with carnations, primroses, cyclamens and begonias. About the sides of the room were large ferns and palms, the whole producing a beautiful effect.

Charles Millang. August Millang.
MILLANG BROS.
Wholesale Commission Florists,
41 West 28th Street, Telephones 3860-3861 Madison, New York.

Wholesale Flower Markets

NEW YORK April, 8,

Roses, Beauty, special	8 00@20 00
" " fancy	5 00@ 8 00
" " Nos. 1 2 and 3	1 00@ 4 00
" Richmond	1 00@ 8 00
" Bride, Bridesmaid, G. Gate Special	4 00@ 6 00
No. 1	2 00@ 3 00
No. 2	1 00
Carnations, fancy	2 00
" common	50@ 1 00
Lilies	5 00@ 6 00
Lily of the valley	1 00@ 2 00
Asparagus plumosus strings	25 00@40 00
" per doz. bunches	2 00@ 3 00
Smilax	8 00@10 00
Cattleyas	35 00@50 00
Cypripediums	8 00@10 00
Violets	1 00@ 2 00 per 1000
Gardenias	3 00@15 00
Callas, per dozen	30@ 60
Roman hyacinths	50@ 75
Mignonette	1 00@ 3 00
Jouquils	1 00@ 1 50
Sweet peas, per doz. Bunches	35@ 75
Tulips	1 00@ 1 50
Lilac, 40@50 per bunch	
Snapdragon	2 00@ 3 00

J. Seligman. Joseph J. Levy
John Seligman & Co.
WHOLESALE FLORISTS,
36 West 26th Street, NEW YORK.
Opposite N. Y. Cut Flower Co.
Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best Prices. Satisfaction guaranteed. Tel. 4878 Madison.

Young & Nugent,
Telephone, 2065-2066 Madison Sq.
42 West 28th St., New York
To out-of-town Florists: We are in the Heart of
And give Special attention to Steamer and Theater orders. Prompt deliveries and best stock in the market.

John Young
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Long Distance Telephone, 4463-4 Madison Sq.

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WHOLESALE COMMISSION.
American Beauty Roses a Specialty. Roses, Violets, Carnations, Valley, Lilies, Etc.
57 West 28th St., NEW YORK CITY
Telephones: 2200 and 2201 Madison Square.

Walter F. Sheridan
WHOLESALE FLORIST,
Telephones: 3532 and 3533 Madison Sq.
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Moore, Hentz & Nash,
Wholesale Commission Florists,
55 and 57 West 26th Street,
Telephone No. 756 Madison Square. New York.

N. Y. Cut Flower Exchange
Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable Wall Space to Rent for Advertising.
V. S. DORVAL, JR., Secretary.

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500 5th Ave., NEW YORK.
Telephone: 847 Bryant.

Tel. 1009 Madison Sq. Established 1872
PERKINS & NELSON
Wholesale Florists
57 West 26th Street, Cor. 6th Avenue. NEW YORK.

Samuel A. Woodrow
WHOLESALE
PLANTSMAN AND FLORIST
53 W. 30th St., NEW YORK.
Out of town orders a specialty.
Telephone 2083 Madison, Consignments solicited

ACACIA PUBESCENS $2.00 and $2.50 PER BUNCH.
THE CHOICEST NOVELTY ON THE MARKET.
THE LEO NIESSEN CO., Wholesale Florists, 1209 Arch St., Philadelphia, Pa.

Philadelphia and Vicinity.

JOSEPH HEACOCK, WYNCOTE.

The well earned reputation of this extensive range is sustained by the great quantity of fine stock to be seen there now. Joseph Heacock is well known as a palm grower, and continues to compete with anybody in the production of fine decorative palms. It would be hard to find anything better than what he will offer this season in this line.

His roses are of very fine quality and in addition to the blooms of American Beauty, Richmond and Killarney, he has this spring a great stock of young plants, all in fine condition. Another feature of this range is the very promising pink seedling carnation, which has already been awarded certificates. It is a good color and the blooms are large, besides showing fine qualities of stem and foliage.

ADOLPH FARENWALD, HILLSIDE.

The admirers of fine roses cannot fail to be pleased by a visit to this range. Though A. Farenwald is noted for the fine quality of stock sent out from his range, a visit to the place is doubly interesting. Whatever dissatisfaction other growers may have experienced with roses on solid beds, here, at least, they seem to flourish in perfection. American Beauty, Richmond, Killarney, Liberty, Kate Moulton, and Mrs. Neihoff are all being grown with great success.

I was particularly impressed by the sight of a 300-foot house of Killarney, with four beds running the whole length of the house. Splendid blooms of this as well as the other varieties mentioned, were in sight. Though the stock of Kate Moulton and Mrs. Neihoff is not as large, both these varieties are well thought of.

MYERS AND SAMTMAN, CHESTNUT HILL.

Those who have recently visited the range of Myers & Samtman, will readily believe that the honors awarded their new rose, Wyndmoor, at the rose show, were worthily bestowed. One house is devoted to its culture. Seen in its home, this rose is nearer to American Beauty than anything that has yet been brought out. It seems to have the good qualities of both parents, American Beauty and Safrano, and in some respects promises to be a more useful rose than American Beauty. This statement may be questioned, but doubters may go and see for themselves.

ANDORRA NURSERIES, CHESTNUT HILL.

A very extensive business is being carried on at these nurseries at present, and there is no hard times talk. William Warner Harper, the proprietor, states that the orders this spring exceed those of any previous season. The nurseries have a very picturesque location and those who aim to take in the leading horticultural features around Philadelphia should not fail to pay them a visit.

EDWARD TOWILL, HILLSIDE.

Edward Towill, who is well known as a successful rose grower and has already an extensive range at Hillside, will this season erect a new house 35x 150 feet. The material will be furnished by the King Construction Co. The house will be ready in time for planting.

VICTOR GROSHENS, HILLSIDE.

Victor Groshens, who for 17 years was foreman at the Hugh Graham range on the York road, is a recent but important addition to the Hillside colony of rose growers. His two houses, each 496 feet long, are finely equipped, and his stock is looking well. His place is heated by two steam boilers, and with commodious boiler house and sheds, he seems to be one of the growers who started to build with an eye to the future. F.

Philadelphia.

PRICES OF STOCK DISCOURAGING.

Quantities of flowers still continue to flood the market, there being no scarcity of anything and the quality, as a rule, is very good. It is certainly a shame to see so many fine carnations coming in, day after day, with only a demand that calls for a third to a half of the quantity. Under these conditions, the general average price of the returns must be very discouraging to the growers. It seems there should be some plan evolved by those whose business it is to place this stock before the general public: We refer to the retailers and would think that with prices so inviting they would take advantage of the opportunity to get so much for so little, and would feel they could afford to keep plenty of stock on their tables all the time and the use of flowers would become more general. As it is now, the retailers are loth to break their market by selling as cheaply as they could and still make a good profit, and they only carry enough for the demands of their regular trade and take advantage of a higher profit than the conditions really warrant. The result is that the surplus accumulates and when it gets a day or two old is sold to the street men at very low figures. This stock, looking fairly presentable, is offered to the multitudes of shoppers at prices so much lower than they are used to paying that they buy, only to be disappointed, as such stock cannot keep long and a doubt is raised in the minds of the average flower buyer, against all low priced flowers. We believe that instead of too many flowers, there are not enough or at least what would be sufficient to supply the demand that would be created if fresh flowers were daily offered at the low prices that market conditions so often warrant, during the dull periods of fall and early spring. The cold snap of Friday and Saturday, acted as a retarder and cut down shipments somewhat, and gave a chance to get away with some of the surplus. Southern daffodils were also much benefited, arriving in a much firmer condition. Many Easter crops which had been giving some of the growers uneasiness, on account of their forward condition, will be retarded nicely. Many out-of-town buyers placed orders the past week and the outlook for a good business is satisfactory to most of them.

J. J. Harty & Company
Wholesale and Commission
.FLORISTS.
1312 G St., N. W., Washington, D. C.
Phone Connection Main 5011

FLORISTS' CLUB MEETING.

The April meeting of the club was most interesting. The feature was a paper on advertising by Robert Pyle of the Conard & Jones Co. This was full of bright ideas and suggestions and showed the author to be an expert in this very necessary art. A. Farenwald gave his impressions of the recent rose show at Chicago and the large rose growing establishments which supply that market. He instanced the Poehlmann Bros. Co.'s place in particular as being the acme of perfection and very far ahead of anything in the east. It was voted to have a smoker in the near future. Israel Rosnosky, with the H. F. Michell Co., will read a paper at the next meeting on the Formosa lily.

NOTES.

At Myers & Samtman's, Chestnut Hill, their new pink rose, Wyndmoor, is blooming away at a great rate; several times this season the house devoted to this variety has presented wonderful masses of blooms. For the Christmas trade alone, over 6,000 blooms were cut. A great crop certainly, as the house is not a large one. Many rose growers say this should prove a great addition to the list of forcing roses. American Beauty is the specialty here, there being something over 35,000 plants under cultivation. A change in the angle of the roofs of two of the large houses has proved very beneficial, the growth being much more sturdy under the new conditions. The old rise was 13 inches to the foot, even span; this was cut down and altered to a short north span, a long span to the south with a rise of only 5½ inches to the foot and while it looks flat it has had a marked effect for the better on the plants. Mr. Samtman said that it seemed to be a universal custom with the western growers to pinch all the stronger stemmed stock and thus get long stems on all their roses. Bridesmaid, Liberty, Richmond, Bride and all sorts, were treated alike and the effect was seen in all their flowers, most of them getting into the special stock.

We had a look last week at the two new roses from this city that are bidding for the public favor, Mrs. Jardine and Wyndmoor. Mrs. Jardine with Robt. Scott & Son, is certainly a worker, the request to "see it growing" is worth attention, as it surely appears to be doing overtime. Great shoots are coming up from the bottom and from where buds have been taken and the branch cut back to a strong eye a very vigorous shoot comes up, stronger, apparently, than the original. It certainly is a free blooming variety. A number of new ones are being tried, mostly from the Dickson nurseries. White Killarney is seen here having sported on the place. A stock of some 1,500 has been worked up and those

Our Easter Lilies Are the Best.

When you buy from us you get quality, $15.00 per 100. All our flowers for Easter will be A No. 1, at right prices.

PITTSBURG FLORISTS' EXCHANGE, Pittsburg, Pa.

AMERICAN BEAUTIES
Lily of the Valley, Carnations and all Tea Roses,
In lots of one hundred to one thousand. Phone or wire us.
WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

GRAFTED AND OWN ROOT ROSES
KAISERIN, CARNOT, KILLARNEY, RICHMOND, LIBERTY, BRIDE and BRIDESMAID.
—Send For Prices—
W. H. ELLIOTT, BRIGHTON MASS.

Pittsburg Cut Flower Co.
(Limited)
WHOLESALE FLORISTS
222 Oliver Ave. PITTSBURG, PA.

CARNATIONS in quantity. Special prices on large orders.
ABSOLUTELY THE BEST POSSIBLE SERVICE.
W. E. McKissick
WHOLESALE FLORIST.
Business Hours 7 a.m. to 8 p.m. 1619-1621 Ranstead St., PHILADELPHIA, PA.

planted side by side, with the pink, surely seem stronger growers, the foliage being of a darker shade. Houses of Kaiserin are now in full flower and will continue to bloom until fall. A large stock of lilies, rambler roses, spireas and rhododendrons are coming on for Easter, all in good condition. K.

Pennsylvania Horticultural Society.

Supplementary to our telegraphic report of the spring show of the Pennsylvania Horticultural Society in last week's issue we give below the principal awards. The illustration on page 553 is of part of this excellent show:

PLANTS.

Rhododendrons, three plants.—J. W. Paul, Jr., first; Mrs. F. C. Penfield, second.

Azalea mollis, three plants.—J. W. Paul, Jr., first.

Callas, three in bloom.—C. B. Newbold, first; Mrs. F. C. Penfield, second.

Azaleas, three specimens.—C. B. Newbold, first; J. W. Paul, Jr., second.

Nephrolepis Amerpohli.—J. W. Pepper, first.

Twelve plants of Primula obconica.—J. W. Pepper, first; C. B. Newbold, second.

Twelve roses, tea or hybrid tea, not American Beauty.—P. A. B. Widener, first; Mrs. W. L. Elkins, second.

Callas Rossi and Devoniensis.—Mrs. F. C. Penfield, first; C. B. Newbold, second.

Twenty-four hyacinths in pots.—P. A. B. Widener, first; F. C. Penfield, second.

Six spireas, Gladstone.—Mrs. Chas. Wheeler, first; John W. Pepper, second.

Six pots of Lilium multiflorum.—James W. Paul, Jr., first; John W. Pepper, second.

Rose Annie Mueller, best plant.—C. B. Newbold, first; James W. Paul, Jr., second.

Rose Betty, best plant.—C. B. Newbold, first; James W. Paul, Jr., second.

Rose Katherine Zeimet, best plant.—John W. Pepper, first; James W. Paul, Jr., second.

Pittsburg.

CARNATIONS CLEANED UP.

The first half of the past week gave everyone the blues as business was at its very lowest ebb, but the last two days of the week were very active and by Saturday evening, carnations were actually scarce. Roses are still a glut, also lilies. Many of the latter intended for Easter are coming in now with very little demand. There is still an uncertainty regarding the supply for Easter.

F. Ueberle has purchased the stand of D. A. Mailey, Allegheny market, Chas.

J. B. Murdoch & Co.
714 Penn Avenue,
PITTSBURG, PA.
All Seasonable Flowers.

Wholesale Flower Markets

PHILADELPHIA, April, 8.

Roses, Tea	4 00@ 6 00
" " extra	8 00@10 00
" Liberty	6 00@25 00
" Beauty, extra	20 00@25 00
" " first	10 00@15 00
Carnations	1 50@ 3 00
Lily of the valley	2 00@ 3 00
Asparagus, bunch	50 00
Smilax	15 00@20 00
Adiantum	1 00@ 1 50
Violets, single	50@ 75
" double	50@ 60
Cattleyas	50 00@60 00
Lilium Harrisii	10 00@12 00
Mignonette	2 00@ 3 00
Sweet peas	50@ 75
Gardenias	35@ 50

PITTSBURG, April, 8.

Roses, Beauty, specials	30 00@40 00
" " extras	20 00@25 00
" " No. 1	10 00@15 00
" " ordinary	4 00@ 8 00
" Bride, Bridesmaid	3 00@10 00
" Chatenay	3 00@12 00
" Richmond	4 00@12 00
" Perle	6 00@ 8 00
" Killarney	4 00@12 00
Carnations	2 00@ 3 00
Lily of the valley	3 00@ 4 00
Smilax	12 50@15 00
Asparagus, strings	50 00
" Sprengeri	3 00@ 4 00
Lilies	10 00@15 00
Adiantum	75@ 1 00
Violets	50@ 75
Cattleyas	75 00
Paper White Narcissus	2 00@ 3 00
Roman hyacinths	2 00@ 3 00
Sweet peas	50@ 1 00
Daffodils	1 00@ 3 00
Dutch hyacinths	4 00
Candytuft 25c per bunch	
Cornflowers	2 00
Stocks, 10 week	2 00
Snapdragon	3 00

BOSTON, April, 8.

Roses, Beauty, best	20 00@25 00
" " medium	12 00@16 00
" " culls	6 00@12 00
" Bride, Bridesmaid	1 00@ 2 00
" Extra	4 00@ 8 00
" Liberty	8 00@12 00
Carnations	1 00@ 2 00
" Fancy	2 00@ 3 00
Smilax	8 00@12 00
Adiantum	75@ 1 25
Asparagus	35 00@ 0 00
Harrissi	10 00@12 00
Callas	8 00@12 00
Daffodils	1 00@ 2 00
Narcissus	2 00@ 3 00
Sweet peas	50@ 1 00

A good opening for Sweet Pea shipper.
Also Southern Daffodils, Lilac, Arbutus Violets and Lupinus.
JOHN W. McINTYRE,
1601 Ranstead St., PHILADELPHIA.

Camp still remaining in charge. Mr. Mailey says he is too busy with politics to give attention to the flower business.

Visitors: J. H. Myers, Altoona; Jos. Thomas, Greensburg; Lloyd Swarthout, Washington, Pa.; Peter Nichols, Cleveland, O.; and Chas. Peterson, East Liverpool, O. J.

Columbus, O.

BUSY DAYS IN TRADE CIRCLES.

Trade still continues very brisk in this city. The spring plant trade is beginning to assume fairly large proportions, giving promise of one of the best seasons ever known. Stock everywhere is looking fine, and the quantity denotes better than words can tell the expectations of a large spring trade by all the florists. Azaleas are very popular this year, especially in the lighter colors. Rhododendrons are moving very slowly, but it looks as if they would sell to good advantage a little later. Pot plants of all kinds are in good demand although prices are somewhat low, compared with former years.

NOTES.

The Fifth Avenue Floral Co., is showing some fine Enchantress and Richmond in its new range. The firm has all the facilities for growing fine stock and is certainly "making good."

The Livingston Seed Co. is having a splendid seed trade this spring, its store being a veritable beehive of industry.

The Columbus Floral Co. had a fine display of carnations this week.

CARL.

WASHINGTON, D. C.—F. H. Kramer is pushing things along with a full page advertisement of his Easter lilies in the Washington Times, illustrated with two large cuts, one on each side, the full length of the page.

MARION, O.—As a result of the efforts of 12-year-old Blanche Bain, this city will again be beautified this spring and summer by 1,000 or more flower beds. Little Miss Bain, who is one of the youngest philanthropists in the world, has for three years presented thousands of packages of flower seed to the Sunday-school children of the city, and in doing so has launched a movement which promises to be permanent.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

Philadelphia, Pa.

Robert Kift,

1725 Chestnut Street.

Prompt and Careful Attention given to all Mail and Telegraph orders.

M. A. Bowe

IN HEART OF NEW YORK CITY.

Phone, 2270 38th St. 1294 Broadway, N. Y.
Our Motto—THE GOLDEN RULE.

St. Louis.

NOTHING DOING.

The market the past week was dull; "nothing doing" one hears on all sides. Wholesalers and retailers complain of the dullness of trade and even funeral work is scarce. Carnations have been very plentiful; fancy stock is selling at two cents while the poorer grades were hard to move at any price. Roses, especially short American Beauty, were plentiful, also Richmond. Lilium Harrisii and callas were sold from 6 to 10 cents. Violets are still with us; some outdoor ones are in which arrive with short stems. Sweet peas, especially pink, are plentiful, lavender is scarce and selling well. Narcissus Poeticus from southern Illinois is coming in large quantities and must be sold cheap in order to move it. Thursday a change in the weather came and Friday morning freezing weather was with us. During the week the pleasant weather brought out the plant dealers to the down town market and plants were moving nicely; the cold snap, however, set them back, but it is expected it will soon warm up again. All the west end stores have their windows full of flowering plants, azaleas, lilies, hydrangeas, tulips, jonquils, etc., some of the displays being very elaborate.

NOTES.

Young & Sons' stores are filled with the choicest of everything. Their greenhouses are a sight worth seeing. A house of hydrangeas is very fine, many of the plants having 25 blooms, also a house of Harrisii lilies just coming into bloom, a fine lot of gloxinas in 6 and 8-inch pots and a large lot of Baby Rambler roses. Jim Young, who has charge of the Olive street store, is very proud of his stock of plants and says they will have the finest in years. He is afraid, however, if the warm weather which has just started should continue, that tulips, jonquils, etc., will not last to Easter. His lilies will just be right.

Grimm & Gorley lately purchased Van Campenhoudt Floral Co.'s four large greenhouses, Taylor and St. Louis avenues. They are 20x70 feet and are filled with all varieties of plants. They also intend to cultivate orchids and expect to erect another house this summer for smilax for store use.

Geo. Waldbart had the decoration of the high school at the funeral of the late F. Louis Soldan, superintendent of the public schools. This firm had the family order for the funeral of Byron Nugent, head of the Nugent dry goods emporium.

A lily, to be kept constantly flowering in the club room to be occupied by the Carondelet Woman's Club, is the memorial decided upon in honor of Mrs. Lily Evans, wife of Wm. P. Evans, principal of the Chouteau school.

F. H. Weber is stocking up with a fine supply of lilies, hydrangeas, and other

Detroit, Mich.

John Breitmeyer's Sons

Cor. Miami and Gratiot Aves.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Omaha, Neb.

Hess & Swoboda,

FLORISTS,

1415 Farnum St. TELEPHONES 1501 and L 1582

Kansas City, Mo.

Samuel Murray

...FLORIST...

1017 Broadway Coates House Conservatory

Both Phones 2670 Main.

Write, Telephone or Telegraph. All orders given prompt attention.

Los Angeles, Cal.

J. W. Wolfskill,

FLORIST,

Telegraph Orders a Specialty. 218 W. 4th St.

Boston, Mass.

HOUGHTON & CLARK,

FLORISTS

Telephone Connection. 396 Boylston St.

Seattle, Wash.

Woodland Seed & Floral Co.,

808 Second Avenue.

Will fill all orders for Cut Flowers, etc. for steamers for Japan and Alaska or any part of the Pacific coast. A. L. AABLING, Gen. Mgr.

Louisville, Ky.

JACOB SCHULZ,

644 FOURTH AVENUE.

Cut Flowers of BEST QUALITY in season, delivered promptly to any address.

Write, Telegraph or Telephone

Cumberland and Home Phones 223 and 984

Nashville, Tenn.

Joy Floral Co.,

610 CHURCH STREET.

Atlanta, Ga.

ATLANTA FLORAL CO.

41 PEACHTREE STREET.

Brooklyn, N. Y.

Robert G. Wilson

Fulton St. and Greene Ave.

Greenhouses: Short Hills, N. J.

— Deliveries in —

Greater New York, Long Island and New Jersey.

Trade orders from all parts of the country filled for delivery at residence, steamer, hotel, or theater on wholesale basis. Satisfaction guaranteed. Wire or telephone.

Evansville, Ind.

THE

Wm. Blackman Floral Co.,

402 MAIN STREET.

Prompt attention given to all mail, telephone and telegraph orders.

Galveston, Tex.

Mrs. M. A. Hansen

—FLORIST—

Special attention to Telegraph or Telephone orders, 'Phone 1912.

St. Paul, Minn.

HOLM & OLSON,

ST. PAUL.

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in MINNESOTA AND THE DAKOTAS.

Rochester, N. Y.

J. B. KELLER SONS,

FLORISTS,

25 Clinton Avenue, N.

Rochester Phone 506. Long Dis. Bell Phone 2189.

Washington, D. C.

Blackistone

14th and H Streets.

New Orleans

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, 838 CANAL ST.

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address: "Daniels, Denver."

flowering plants. His stock of cut flowers is of the very best quality as his trade is among the most wealthy of our citizens.

Bentzen Floral Co. presented a very beautiful horseshoe to Theo. McAleer, manager of the St. Louis Browns on Saturday; also to McCloskey on Sunday, manager of the Cardinals.

Park Commissioner Scanlan received a letter from Louisiana Purchase Co. in which it promises to remedy all wants in connection with the restoration of Forest Park to the city.

Geo. Angermueller is doing a nice trade and expects a good supply for Easter. He complains somewhat about low prices but hopes stock will stiffen up in a few days.

Alex. Siegel is all torn up at his store, as his building is being remodeled, and when finished Alex. will have a very fine location.

It is rumored that the city will start a municipal nursery for the raising of trees for the children to plant on Arbor day.

Many of the Kirkwood growers are reporting that their stock of carnations will be off crop for Easter.

W. C. Smith & Co. are handling some fine carnations and have large orders for wire work booked.

St. Louis Seed Co. is handling several thousand hyacinths in pots and other flowering plants.

Visitors: Martin Reukauf, with Bayersdorfers and Hern, of Dreer's, Philadelphia, Pa. W. F.

Baltimore.

BUSINESS DULL.

Trade continues inactive and but for one or two large funerals it could be truthfully designated the past week as stagnant. The approach of Easter gives animation to the hope that, for that festival at least, there will be some revival of activity. Even the merchants of the curbstone find times very dolorous, and they are unhappy over the disappointments brought to them by the southern bulbous stock which neither sells nor stands up. It was the expected that happened with the weather. All too suddenly the wind which had been blowing from the south veered around and old Boreas gave us some blasts from his arctic domains, which chilled things so that ice of half an inch thickness formed several mornings and the talk of early spring was postponed indefinitely. As retarding the blossoming of fruit trees and the putting back of tender foliage it was a great success. There were flurries of snow, and overcoats were again in request. Easter stock seems to be in good shape and there is no likelihood of any shortage, unless it be in Lilium Harrisii. Great complaint is heard on every side of the quantity of diseased bulbs which had to be thrown out, the losses meaning from 30 to 80 per cent, it is said, in some extreme cases.

NOTES.

Our local growers are all going to plant My Maryland, John Cook's new rose. Stevenson Bros., of Govanstown, have their stock grafted and say it looks vigorous and promising. This firm has an entire house this season to its seedling carnation and is more gratified than ever with its behavior. Killarney has not quite kept up to its earlier reputation here, and the firm will probably discard it next season.

The exhibition of the National Society of American Sculptors has proven a great success, and the decoration of the Fifth Regiment armory with evergreen and foliage plants set off the statuary to great advantage. Edwin A. Seidewitz and Chas. L. Seibold were in charge of the decorations and labored hard to make an effective scene of the large hall and the display it contained. S. B.

ASPARAGUS, BOSTONS, AZALEAS.

Plumosus Nanus, 2½-in., $3.50 per 100, $30.00 per 1000; 3-in., 6c; 3½-in., 10c; 4-in., 12c; 5-in., 20c; 6-in., 30c. Comorensis, 2-in., 2c; 2½-in., 3c; 3½-in., 6c. Sprengeri, 2½-in., 3c; 3½-in., 8c; 4-in., 10c.

Bostons, 2½-in., 4c; 3-in., 8c; 6-in., 40c; 7-in., 65c; 8-in., $1.00 to $1.50; 10-in $1.50 to $2.00.

Azaleas. We are now booking orders for Easter delivery. Our stock is the best in the west.

Phones Bell, Forest 1453. Kinloch, Delmar 474 L. J. W. DUNFORD, Kingshighway and Page Bld., Greenhouses at Clayton, Mo. St. Louis, Mo.

Cut Flowers or Designs

Will be delivered for the Trade on Wire or Mail. Orders in Best Qualities and Prices.

St. Louis, Mo.

Fred C. Weber,

FLORIST,

Established 1873. Bell, Lindell 676. 4320-4328 Olive St.

San Francisco, Calif.

J. B. Boland Co.

Successors to Sievers & Boland.

FLORISTS,

47-49 Geary Street.

Cleveland, O.

The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in NORTHERN OHIO.

New York.

MYER, FLORIST,

609-611 MADISON AVE.

Phone 5297 Plaza.

WASHINGTON D. C.

Gude's.

St. Louis, Mo.

WRITE, WIRE OR PHONE YOUR ORDERS TO

YOUNGS,

1406 Olive Street.

Regular discount allowed on all orders, either Plants or Cut Flowers.

Phones Bell, Main 2306. Kinloch, Central 4981.

Dayton, O.

Matthews,

—FLORIST—

16 W. 3rd Street.

Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones

Chicago.

HAUSWIRTH FLORIST

M. C. and J. E. Hauswirth.

Auditorium Annex.

Mail, telegraph or telephone orders filled promptly in best style.

Kansas City, Mo.

WILLIAM L. ROCK Flower Co.,

Will carefully execute orders for Kansas City and any town in

Missouri, Kansas or Oklahoma.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in WISCONSIN.

Indianapolis, Ind.

Bertermann Bros. Co.

FLORISTS

.....241 Massachusetts Ave.

Albany, N. Y.

EYRES

Flowers or Design Work.

DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.

11 NORTH PEARL STREET,

Denver, Colo.

The Park ...Floral Co.

J. A. VALENTINE, President.

Muskogee, Okla.

The Muskogee Carnation Co.

Wholesale and Retail in Cut Flowers.

We grow all our own Cut Flowers. Funeral work orders our specialty. Wire or mail order. Prompt attention.

Kansas City, Mo.

GEO. M. KELLOGG,

906 Grand Avenue,

KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

Buffalo, N. Y.

Palmer's

W. J. Palmer & Son, 304 Main St.

The Seed Trade.

American Seed Trade Association.
Geo. S. Green, Chicago, Pres.; M. H. Duryea, New York, First Vice-Pres,; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-sixth annual convention, June 23 to 25, at Hotel Ponchartrain, Detroit, Mich.

W. ATLEE BURPEE will soon make a California trip.

CONGRESSMAN TIM SULLIVAN, of New York, distributes shoes and stockings instead of seeds to his constituents.

NEW ORLEANS, LA.—The J. Steckler Seed Co. reports a fine trade in seeds through the surrounding country.—D.

CINCINNATI, O.—The fine weather has been good for counter trade and some houses are working overtime to fill orders.—S.

THE California Vegetable Union at Los Angeles is reported to have made contracts in Teneriffe, Canary Islands, for their supply of Bermuda onion seeds.

PRESIDENT GREEN, of the American Seed Trade Association, has appointed the following committee on proprietary rights in names of seeds and plants: Alex. Forbes, chairman; Wm. Henry Maule and the third member from the house of James Vicks' Sons, Rochester, N. Y.

A CLAUSE like the following should be added to all contracts: "Not agreeing to execute this contract if prevented or stopped by any so-called pure seed laws which may be enacted by the U. S. government, which may contain conditions which the growing season make it impossible to meet in this year's crop of seeds or bulbs."

ONION SEED dealers are now-a-days verifying their blotter germination tests by weighing half bushel lots of the seed. It is surprising how readily the weights verify the blotter test. Some stocks which weigh 17 to 18 pounds to the half bushel will test 85 to 90 per cent, while stocks testing 50 or 60 per cent weigh only from 13 to 14 pounds to the half bushel.

BINGHAMTON, N. Y.—E. W. Conklin & Son have reincorporated their business with an increased capitalization of $300,000. There will be no change in the conduct of the business. Beside the $290,000 stock held by Horace E. Conklin, M. N. Rogers has $3,000; P. J. Quilter, $3,000; C. P. Woodward, $2,000, and J. C. Hillis, $2,000. These are Mr. Conklin's fellow directors.

REPRESENTATIVE MANN having written President Green of The American Seed Trade Association that the seedsmen would be heard in Washington on April 21 on his Bill H. R. 13835, President Green has called a meeting of members of the association and other seedsmen at Chicago, Friday, April 10, to consider this bill. A full attendance is already promised.

Braslan Seed Growers' Co.
Growers for the Wholesale Trade Only.
SAN JOSE, CAL.

TOLEDO, O.—The seed stores have been rushed with business of late; the splendid weather brought out buyers. Clover seed is still climbing and reached up to $12.90 per bushel and the chances are still for a rise.—SCH.

FLORISTS in eastern cities who have forced Dutch and French stock, as well as lily of the valley, complain seriously that they will not receive over 80 per cent of their investment, leaving nothing for labor or fuel. Just at this time there is quite a disposition to let most of this stock alone the coming season, but, of course, some of them may change their minds before planting time.

A San Antonio Seedsman at the Entrance to His Adobe Store.

"THROW dust in their eyes," is evidently the motto of the free seed congressmen; let no seedsman who has fought this outrageous distribution be deceived; the same men whom public opinion regarding this farce is driving to the wall are the ones who are behind the so-called pure seed bill, with its harsh burdens of class legislation, and stand prepared to do the voting when the time comes.

WHY did the Bureau of Plant Industry spend so much time and public money comparing the government free seeds with the commission box commercial seeds, when they knew that this class of seed represented the lowest grades offered by commercial seedsmen? Why did they not, as a matter of fairness to the seed trade, select packages from leading reliable houses in the trade, obtained from them direct, and thus make the comparison a fair and honest one?

Chicago.

The seed dealers are using the commission houses here to some extent in disposing of onion sets—the voice is the voice of Jacob but the hand is the hand of Esau. Yellows now about $2.25, whites $2.75 to $3 according to quality.

Grass seed contract prices on the board of trade March 31 were noted as follows: Prime timothy, $4.65 (fillers); medium red clover, $22; choice white clover, $15.

Red clover is selling at record price now at $25 per 100 pounds.

When Doctors Disagree.

The botanist of the Bureau of Plant Industry says, Bulletin 131, March 8, '08, referring to "commission" seeds,

> That many firms are selling vegetable seeds not only of a low average quality but often entirely worthless makes it evident that some sort of protection should be afforded the purchaser by a guaranty of quality given by the seedsman.

Mr. Mann says in his report of March 20, 1908,

> It probably would not be wise or safe to require seedsmen to warrant seed sold by them, owing to the fact that they have no way of following the seed from the time it leaves their hands until the crop is produced.

Dutch Bulb Report.

Dutch growers report as follows regarding the past season's business: "Hyacinth bulbs have forced poorly everywhere. Most people lost money on them. The seedsmen, however, have done a good business. The bulb acreage this spring is about as usual, but the demand will probably be rather smaller than larger; therefore, higher prices cannot be expected.

"Tulips have forced fairly well. The acreage will be about the same, but growers on clay soil complain that a good many bulbs are missing. It is hardly thought there will be much decline in the market price of tulips, except possibly on the higher priced sorts. All late varieties and Darwins will be cheaper. Daffodils in general will probably carry about the same prices, but some varieties will be cheaper. Spirea of the newer kinds will be lower in price."

With Clean Hands.

It is an old principle of law that the plaintiff shall come into court with clean hands. If the Bureau of Plant Industry, backed by Secretary Wilson and the law makers in congress propose to prosecute and hamper the seed trade under a law with notably harsh conditions, how can the law makers come into court as plaintiffs while they are spending $300,000 of the public money belonging in part to these same seedsmen tax-payers, as well as burdening the U. S. mails? This free seed distribution can only be looked upon as a personal bid for votes, to which end these law makers give away at public expense the same merchandise which the seedsmen are selling for a livelihood. In other words, the seedsmen today pay heavy customs duties and large sums in postage to aid competition with themselves. This does not seem to comply with the old-time rule of "coming into court with clean hands."

Simon Guggenheim, Seedsman Too.

There will be seeds for 1,000 different people throughout Colorado as soon as the State Horticultural Society can distribute a shipment which was received recently from Senator Simon Guggenheim. Peas, carrots, parsley, muskmelons and lettuce are the products which will be raised from the seeds distributed.—Denver Republican.

Seed Beans

F. L. HOGUE,

CARPINTERIA, CAL.,

Grower for the Wholesale Trade only.

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower

Specialties: Lettuce, Onion, Sweet Peas, Aster Cosmos, Mignonette, Verbena, in variety. Correspondence solicited.

HJALMAR HARTMANN & CO.

Growers for the Wholesale Trade Only.

31 Barclay St. NEW YORK. 12 Stormgade, COPENHAGEN.

CAULIFLOWER and CABBAGE SEED

Rogers Brothers,

SPECIALTY GROWERS.

Purest Strains GARDEN PEA and BEAN SEED.

For the Wholesale Trade. ALPENA, MICH.

Now for Pure Hen Fruit.

Washington, D. C., April 6.—It is reported that friends of poultry fanciers will endeavor to amend the Mann pure seed bill to include eggs. These, the buyers hold, should be guaranteed 98 per cent fertile and if found adulterated, the seller shall be subject to the fines and imprisonment provided in the bill.

Open Letter From James R. Mann.

March 25, 1908.

MY DEAR SIR:—

Some time ago I wrote you that I would, during the course of the winter or spring, send you some of the flower or vegetable seeds which it is the policy of the government to distribute. The demand upon me for seed has been very great and I find that I do not have seed enough to send to everyone to whom I wrote in the fall. I will be able, however, to supply those who ask for seed, and if you will indicate that you desire flower or vegetable seed, I will promptly send them to you.

Yours sincerely,

JAMES R. MANN.

Member of Congress, Second District Illinois.

Imports.

During the week ending April 5, imports were received at New York as follows:

Frank H. Darrow, 154 cases plants.

J. Roehrs & Co., 36 cases trees and shrubs.

A. Rolker & Sons; 27 cases plants.

Vaughan's Seed Store, 24 cases plants. One bdle. plants.

McHutchison & Co.; 22 bdls. eight pkgs. trees.

C. C. Abel, 21 cases plants; 36 cases bulbs.

Wm. Elliott & Son; 20 cases plants.

C. F. Meyer; one case plants.

Henry & Lee; one case lily bulbs.

Canary Islands Onion Seed

BERMUDA, Red and White. Also **CRYSTAL WAX.**

Choicest Seed at Moderate Prices.

We don't sell direct to truckers.

Kuhner, Henderson & Co., TENERIFFE, CANARY ISLANDS.

LAWN GRASS SEED in Bulk and Packages

Dickinsons, Evergreen, and Pine Tree Brands

SPECIAL MIXTURES SEED FOR **GOLF GROUNDS**

MINNEAPOLIS **THE ALBERT DICKINSON CO.** CHICAGO

ONION Sets

Write for samples and prices

Seed Potatoes, Red River Stock.....

VAUGHAN'S SEED STORE, Chicago.

ONION SEED We offer at following special prices what limited surpluses of our pedigree onion seed we have of crop 1907, cash with order, immediate shipment; Per lb.

Southport Yellow Globe	$ 1.20
" Red "	1.20
" White "	3.00
Yellow Globe Danvers	1.10
Prize Taker	1.30

Fine stock sweet corn, peas and beans, Trade price list on application.

S. D. WOODRUFF & SONS,

82 Dey St., New York City. Orange, Conn.

Peas AND Beans

Alfred J. Brown Seed Co.,

GRAND RAPIDS, MICH.

S. M. ISBELL & CO.

JACKSON, MICH.

Contract Seed Growers,

Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.

Correspondence Solicited.

Write for Prices on Surplus Stocks for Immediate Shipment.

C. C MORSE & CO.,

SEED GROWERS,

Address all communications to our permanent address

48 to 56 Jackson St., SAN FRANCISCO.

ONION, LETTUCE, SWEET PEAS. and other California Specialties.

H. Nungesser & Co.; 30 bags grass seed.

To others: 376 cases plants; 67 pkgs. plants; 118 cases trees; eight tubs laurel trees; one crate trees; 26 cases bulbs; 2,694 bags clover seed; 250 bags sunflower seed; 57 bags grass seed; 1,090 bags seed; 39 bls. seed; one case seed.

VANZANTEN BROTHERS

Royal Netherlands Bulb Nurseries and Export Trade.

HILLEGOM, HOLLAND.

Wholesale growers of the leading sorts of Hyacinths. Tulips, Narcissus. Crocus, Spiræas, Gladiolus, Pæonies, etc., etc. We further ask your attention to our superior quality and special prices of French Bulbs, Roman Hyacinths, Paper White Gr., etc. Ask quotations from our traveler

MR. G. HYLKEMA,

care of Messrs. Maltus & Ware, 14 Stone St., NEW YORK.

Who will also send you, on demand, catalogue and special prices of all

HOLLAND BULBS AND PLANTS.

PROCEEDINGS

Of the Congress of Horticulture held at the Jamestown Exposition, September 23, 1907,

Linen Bound. 108 pages. Price, 25c.

This publication includes the formal addresses and discussions of the papers read at the meeting which covered the various phases of Horticulture. This meeting was pronounced by Horticultural authorities as one of the greatest Horticultural meetings ever held in a single day,

For copies address

H. C. IRISH, Sec'y,

National Council of Horticulture, Missouri Botanical Garden, St. Louis, Mo.

W. J. Eldering & Son,

Wholesale Bulb Growers and Dealers.

OVERVEEN. HAARLEM. HOLLAND.

Headquarters for High Grade **Hyacinths, Tulips** and **Narcissi.** We do not sell at Retail. Write for special quotations on large quantities.

MICE PROOF SEED CASES.

SEND FOR BOOKLET.

HELLER & CO., Montpelier, O.

Telegraph Code

Am. Seed Trade Association

$2.00

In either stiff or flexible cover. Address orders

AMERICAN FLORIST CO., CHICAGO.

MARKET GARDENS.

MOIST, black sandy loam is, without doubt, the best for celery culture.

BRUSSELS SPROUTS are a paying crop when a suitable market can be found for them.

ECLIPSE is one of the best of the early beets, far better in quality than the Egyptian turnip rooted varieties.

NEWLY broken land is not as suitable for onions and potatoes as soil that has been longer under cultivation.

A SAFE and effective dressing of muriate of potash for potatoes is 250 pounds to the acre. Wood ashes sown evenly, broadcast, at the rate of one ton to the acre, is also an excellent and safe fertilizer.

OLATHE, KANS.—L. G. McKenzie and C. A. Willis from Fullerton, Ill., have built a fine house for cucumbers 50x200 feet at a cost of over $7,000 including boiler house, etc. This glass will be added to later.

Cucumbers and Tomatoes.

At this writing lettuce is selling at good prices and the indications are that many growers have also planted cucumbers; to prevent a glut of cucumbers later on it would be well to devote at least part of the glass to tomatoes. In the forcing of cucumbers and tomatoes there are different problems to meet than in lettuce growing. The latter is producing leaves, the former flowers and fruit. And very often one can see a magnificent mass of foliage in cucumbers and tomatoes and little fruit. The causes are several—wrong feeding, wrong watering and lack of pollination. With most soils, manure is all that is needed to produce leaves, hence we find lettuce growers rely on manure entirely.

Where plenty of manure has been used in growing lettuce, there is plenty of nitrogen and potash for the immediate wants of the cucumber and tomato crop, and what is needed in addition is phosphates. If this is applied in the shape of bone, it takes some time to dissolve, so it is clear it should be applied in time to be of benefit to the crop. Under average conditions, it will be advisable to use plenty of bone for tomatoes or cucumbers and to apply it at planting time and work in or soon after as top dressing.

MARKETMAN.

Forcing Rhubarb with Ether.

Rhubarb is a plant that is being forced for winter use more and more every year. The method of forcing is very simple. Good, strong, thoroughly established, three or four-year-old clumps are dug in the fall. These are stored in boxes or cold frames until required for use. They are then taken into the forcing house and placed close together in boxes or in beds underneath the benches. Soil is thoroughly packed between the clumps and a covering of from two to six inches of soil placed over them. The temperature of the house is kept between 50° and 60° and water applied when necessary. In about four or five weeks' time the rhubarb is ready to cut.

In the experiments at Cornell on the forcing of rhubarb by the use of ether, the usual methods of culture were practiced. The experiment was started on December 26, when three clumps of etherized and three clumps of unetherized rhubarb were placed in boxes in a dark mushroom house. Care was taken to have both lots as nearly the same weight as possible. The effect of the ether was very pronounced, the shoots of the etherized clumps being ready to cut fully five days before those of the unetherized clumps. Not only were the shoots of the etherized clumps earlier than those of the unetherized, but there were also a great many more of them. Four cuttings were taken from these two lots of rhubarb, and a comparison made between the weight of the edible stalks produced by the etherized and unetherized lots. The results were decidedly in favor of the etherized lots. The first cutting was made on January 20, when the etherized clumps yielded three pounds, one ounce of edible stalks and the unetherized clumps one pound, six ounces. At the second cutting, which was made on January 26, the etherized lot yielded two pounds, nine ounces, and the unetherized two pounds, two and a half ounces. The third cutting, made on February 3, showed no gain in favor of the etherized lot, as both lots yielded one pound, thirteen ounces. In the fourth cutting, made on February 10, there was once more a slight increase in yield in favor of the etherized lot, it yielding one pound, ten ounces, and the unetherized lot one pound, seven and a half ounces. There was, therefore, from the four cuttings a total gain of two pounds, four ounces in favor of the etherized lot, which is equal to an increase of about 33 per cent due to etherization.

COST OF ETHERIZATION.

The expense of etherization is not as much as might be expected. The initial cost for a thoroughly air-tight box need not be great. Any well-made box may be used if the cracks are covered over with felt paper and the cover made to fit as closely as possible. Such a box can be made by any handy man at a very slight cost. Commercial sulphuric ether such as is required for etherization, costs about 75 cents a pound, which quantity is sufficient to etherize 30 good-sized clumps of rhubarb. Thus the cost of the process is so little that it is more than covered by the five days' gain in time, which means a considerable saving of labor and often a better price for the rhubarb. The extra quantity of rhubarb produced by etherization is clear gain.—Canadian Florist.

Prices of Indoor Vegetables.

The prices of indoor vegetables at leading points April 4 were as follows: New York, cucumbers, No. 1, 75 cents to $1 per dozen; No. 2, $2.50 to $4 per box; lettuce, 25 cents to 75 cents per dozen; mushrooms, 25 cents to 50 cents per pound; mint, 25 cents to 40 cents per dozen bunches; radishes, $2 to $2.50 per 100 bunches; rhubarb, 40 cents to 60 cents per dozen bunches; tomatoes, 15 cents to 25 cents per pound. Cincinnati, cucumbers, $1.25 per dozen; mushrooms, 40 cents to 50 cents per pound. Chicago, cucumbers, 90 cents to $1.25 per dozen; radishes, 50 cents to 60 cents per dozen bunches. Boston, cucumbers, $6.50 to $7 per box; tomatoes, 30 cents to 40 cents per pound. Pittsburg, cucumbers, $8 to $9 per box.

TO THE TRADE

HENRY METTE QUEDLINBURG, GERMANY.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: **Beans**, Beets, Cabbages, **Carrots**, Kohl Rabi, Leek, Lettuces, **Onions**, **Peas**, **Radishes**, Spinach, Turnips, Swedes, **Asters**, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspurs, Nasturtiums, **Pansies**, Petunias, Phloxes, Primulas, Scabious, **Stocks**, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, mixed), the most perfect and most beautiful in the world, $5.00 per oz.; $1.50 per ¼ oz.; 75c per 1-16 oz. Postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own grounds of more than 3,000 acres. and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

List of my novelties in flower seeds for 1908 sent on application.

VEGETABLE SEEDS

SOW NOW.

	Per ¼ lb.	Per lb.
Lettuce, Grand Rapids Forcing	$ .30	$1.00
May King	.40	1.25
Cucumber, Evergreen White Spine	.25	.75
Davis Perfect	.35	1.25
Radish, Vaughan's Cardinal Forcing	.40	1.50
Improved Scarlet Globe	.25	.70
20 Day Forcing	.20	.60
Scarlet Globe White Tip	.20	.60
Tomato, New Globe	.75	3 00
Comet pkt.	$ .25	
Sunrise pkt.	.25	
Cauliflower, Earliest of All. pkt.	$ .25;	oz., $2.50

Vaughan's Seed Store, CHICAGO. NEW YORK.

Vegetable Plants.

	Per 100	1000
Tomato, Mayflower, Lorillard. Earliana. Early Jewel, Early June Pink	$0.30	$2.00
Beets, Egyptian and Crosby's	.20	1.25
Celery, White Plume and Golden Self Blanching	.20	1.25
Pepper and **Egg Plants**, ready for transplanting	.40	2.00

R. VINCENT, Jr. & SONS CO.,
WHITE MARSH, MD.

FLORISTS have a splendid opportunity of raising **Mushrooms** by utilizing the **waste space** under the benches, and then utilizing the **waste material** of expended mushroom beds in growing flowers. **Lambert's Pure Culture MUSHROOM SPAWN**, the best spawn in the market, is sold by all leading seedsmen. A fresh sample brick, enough for a trial bed, together with illustrated book on "Mushroom Culture," will be mailed postpaid upon receipt of **40c** in postage stamps. Address **American Spawn Company, St. Paul, Minn.**

If You Want a Really Successful Crop of Mushrooms use only

JOHNSON'S

MUSHROOM SPAWN

NOTE THE ADDRESS

JOHNSON'S LTD.,
44 Bedford Row, LONDON, ENGLAND.

Pollinating Tomatoes.

To get good tomatoes under glass it is necessary to give pollination proper attention. Without it, either no fruit at all is formed, or what does set is one-sided, irregular or small. Remember, it is the seed that causes the fruit to develop—hence no seed means, as a rule, no fruit, and no pollen means no seed. Neglect of pollination does not necessarily mean no fruit at all, as, in warmer months, pollination is naturally effected; it generally delays the crop, and sometimes makes it unprofitable on that account.

The subject may be divided into three

BOOK YOUR ORDER NOW FOR NEW SEED.

SEEDS SEEDS SEEDS

CYCLAMEN.

Our specialty for 35 years. Prize medals, Awards, Certificates and Prizes.

Grandiflora Alba, the largest giant White grown. See block 1 year old plant.

Mont Blanc, certificate at R. H. S.
Baroness Burdett-Coutts, certificate R. H S.
Crimson King, certificate at R. H. S.
Duke of Connaught, certificate at R. H. S.
Prince of Wales, Award of Merit, R. H. S.
Princess May, Award of Merit, R. H. S.
Rosy Morn, certificate at R. B. S. & R. H. S.
Picturatum, cert ficate at R, B. S. & R. H. S.
Dame Blanch, certificate at C. P.
Duke of Life, certificate at R. B. S.
Brilliant, certificate at R. B. S. and C. P.
Sunray, giganteum variety, fine.

Full list of varieties sent on application.

PRIMULA SINENSIS,

These are in seven DISTINCT colors.

We can serve you well. Special attention given to the correct fertilization of **all** seed blooms.

ST. GEORGES NURSERY CO.,

Floricultural Seed Growers for the Trade

Terms net cash with order.
Lists and quotations free.

HARLINGTON, Middlesex, ENG.

...RELIABLE SEEDS SOW NOW...

	Tr. Pkt.	6 Tr. Pkts.
Ageratum, Blue Star	$ .25	$1.25
Alyssum, Carpet Queen	.25	1.25
Aster, Branching Daybreak lavender, pink, purple, white, each		
oz. $1.75	.25	
Begonia, Erfordia	.50	2 50
Browallia, Speciosa major	.50	2 50
Centaurea, Candidissima	.25	1.25
Clianthus Dampieri	.50	2 50
Dahlia, Cactus, double	.20	1.00
Dracæna indivisa, Australis, clean seed each	.25	1.25
Fragaria, Indica	.15	.75
Gerbera, Jamesoni	1.00	5.00
Grevillea robusta	$ .20	$ 1.00
Impatiens, Holstii	.50	2.50
Lobelia, Hamburgia	.30	1.50
Marigold, dwarf Gold Ring	.15	.75
Mignonette, 1900, fine for pots	25	1 25
Mimosa, pudica	.10	.50
Nicotiana, affinis hybrids	.20	1.00
Petunia, ruffled, single giants	1.00	5.00
Petunia, fringed, single giants	.75	4.00
Primula, Chinensis, large flowered fringed, blood red, blue, pink, mauve, white, each	.50	2.50
Primula obconica large flowered new hybrids, blue blood red carmine, pink, purple, violet, pure white, Compacta gigantea, fringed hydrids mixed, each separate	$ .50	$ 2.50
Primula, Buttercup grdfl	.25	1.75
Rivinia, humilis	.20	1.00
Schizanthus new dwarf hybrid	.30	1.50
Smilax, new maidenhair	.50	2 50
Solanum, dwarf Xmas pepper	.10	50
Solanum, Seaforthianum	.30	1.50
Stocks, Cut and Come Again, white pink, purple, crimson, each	.50	2.50
Stock, Beauty of Nice, Daybreak, carmine, lilac white, each	.50	2 50
Torenia, The Nymph, new	.25	1.25

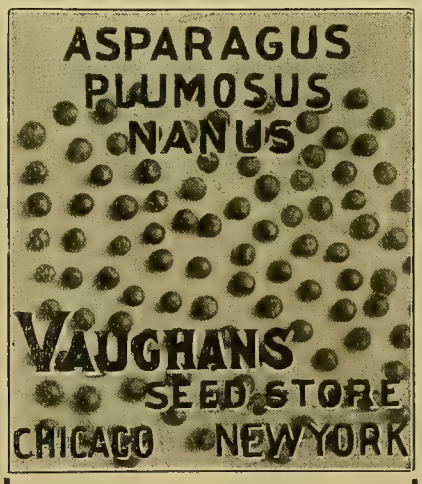
For larger quantities ask for my new price list.

O. V. ZANGEN, Seedsman, Hoboken, N. J.

periods, namely: Winter, spring and summer pollination. To begin with, the operator should understand that all tomatoes (to my knowledge) are perfect flowered—the pistils and stamens are found in the same flower. Next there is no insect that seems to make a business of visiting tomato flowers. Hence tomatoes nearly always are self-fertilized and crosses by nature are not common. When conditions are favorable the pollen shakes out readily, by the slightest motion. Thus in the winter months, it is best to collect pollen from those flowers that yield some, and apply to all the flowers. In the spring, a sharp snap with the finger will do the trick for a whole cluster; and towards summer to shake the whole plant is sufficient. All these methods should only be tried when the sun is shining and the air dry, preferably around the noon hour. For winter pollination some use a fine brush and others a little wooden spoon.

MARKETMAN.

BUFFALO, N. Y.—Wm. Starke was brought back here from New York March 30. He is wanted here on the charge of grand larceny, second degree, preferred against him by Wm. F. Kasting, who says that Starke bought $200 worth of flowers from him recently and left town before he settled the account.



We handle this Asparagus both in seeds and plants of all sizes, in very large quantities and make very close prices on larger amounts on application. Our seed is pure, fresh, of best germinating quality and extraordinary vitality **Northern Greenhouse-Grown Seed.** Per 100 seeds, **60c;** 250 seeds **$1.25;** 1000 seeds, **$4.00;** 5000 seeds, **$19.50;** 10,000 seeds, **$37.50.** Price for larger lots on application.

MARTINS FERRY, W. VA.—Miss Nola Beck has opened a floral store at the corner of Fourth and Hanover streets.

Don't Forget!

TO WRITE US

For Prices on any thing in our Line.

St. Louis Seed Co.

"The Home of Pure and Sure Seeds."

784-786 N. 4th St. St. Louis, Mo.

THE MISS KATE LOCK ASTER

At Rosedale Gardens, Clarinda, Iowa, advertisd as the best Aster on the market for florists' use, long stems, large flowers, seeds of high germinating power; colors, white, Enchantress pink and bright pink, also the three colors, mixed, each, per pkt, of 800 seeds, 50c. Cash with order.

J. A. MARLEY, 305 E. Garfield St. CLARINDA, IOWA.

ANTON C. ZVOLANEK,

WINTER SWEET PEA ORIGINATOR.

BOUND BROOK, NEW JERSEY.

The Nursery Trade

American Association of Nurserymen

J. W. Hill, Des Moines, Ia., President; C. M. Hobbs, Bridgeport, Ind., Vice-President; George C. Seager, Rochester, N. Y., Sec'y.

Thirty-third annual convention to be held at Milwaukee, Wis., June 10-12, 1908.

NURSERYMEN should be on the lookout for a pure tree agents' bill before congress in the near future.

EDGELEY, N. D.—C. C. Snyder is about to open a nursery here for the growth of hardy stock suitable for local conditions.

WYOMISSING, PA.—The Wyomissing Nursery has recently closed several contracts for beautifying home grounds in Reading.

DES MOINES, IA.—The Grand View Nursery Co. reports a fine season's business and is contemplating considerable additions to its plant this spring.

IT is reported that a species of locust, discovered in Louisiana by Prof. R. S. Cocks, of Tulane University, has been pronounced new by Prof. C. S. Sargent, of Harvard University.

THE authorities at Wabash, Ind., now require property owners to plant trees in front of their property and in case of neglect will do the work and charge the property with it. No Carolina poplars is the order.

OLNEY, ILL.—The nineteenth annual meeting of the Horticultural Society of Richland County was held at the court house March 11. Several excellent papers on fruit growing, care of orchards and spraying were read.

BOSTON, MASS.—Jefferson Coolidge, Jr., is having some improvements made at his new summer home at Coolidge Point, and Eben D. Jordan is laying out the grounds of the estate in Wenham, recently purchased for his daughter, Miss Dorothy Jordan. A range of greenhouses will be constructed and a large garden is a part of the plan.

GEORGE C. PERKINS, of Jackson & Perkins Co., Newark, N. Y., sails for Europe, April 15, on the steamer Majestic. He goes upon a business trip in the interests of his house and will visit the leading places of horticultural interest in Great Britain and on the continent. His itinerary will include Ghent, Boskoop, Haarlem, Hamburg, Erfurt, Quedlinburg, Trier, Luxemburg, Nancy, Lyons, Orleans, Angers, Paris, London, etc.; also a dozen or more small places in England where Jackson & Perkins Co. have business connection.

RIVERSIDE, CALIF.—Horticultural Commissioners Cundiff and Holmes left recently for a tour of Los Angeles and Orange counties, to inspect the nurseries. There is a great scarcity of citrus nursery stock in southern California, and there is a constant demand that stock be admitted to Riverside county from nurseries in Los Angeles and Orange counties. It is known that purple scale infest some of these nurseries, but the commissioners deem it unfair to quarantine against all of them without an investigation. They will therefore make a thorough examination of stock in the various nurseries and determine for themselves what stock is safe to be admitted.

J. BLAAUW & Co., Boskoop, Holland, inform us that Queen Wilhelmina and Prince Henry of Holland visited their nursery March 20, and expressed themselves as highly interested in the fine collections of various plants and buildings. Her Majesty was especially pleased with the large flowering hybrid rhododendrons.

THE city of Toledo, O., has a new park donated by Geo. Bayer, the florist and former councilman. The park is located on the boulevard, near Franklin avenue and Blanchard street. It is an ideal little natural park, being filled with large elm trees and having a nice lawn. The city sought one corner of the park for the boulevard right of way and instead of giving just a corner Mr. Bayer executed a deed for the whole.

Bobbink & Atkins, Rutherford, N. J.

Bobbink & Atkins, of Rutherford, N. J., are sending out great quantities of nursery stock and their greenhouses show a very interesting collection of fine Easter plants. The blue spruce and other conifers grown by this firm are among the finest of this year's offerings. English ivy is another stock of which they handle an immense quantity. A very important feature at present is the immense stock of hardy herbaceous plants, hardy roses and flowering shrubs. There is a great demand for the quality of bay trees and boxwood that they handle and that is not surprising as, particularly in bay trees, they seem to carry stock that is faultless.

WALK IN THE NURSERY OF BOBBINK & ATKINS, RUTHERFORD, N. J.

American Association of Nurserymen.

The thirty-third annual meeting of the American Association of Nurserymen will be held in Milwaukee June 10-12. In a communication received from President J. W. Hill he says that the committees are doing good work and he expects a good and profitable meeting which it will be to the advantage of all nurserymen, florists and manufacturers of nurserymen's supplies to attend. The headquarters for the convention will be at the Hotel Plankington and members who attended the convention in Milwaukee in 1902 will recall the excellent accommodation and courteous treatment received on that occasion. In a special circular issued by Secretary Seager the advantages of membership in this important association are pointed out. The annual membership fee is $5 and the use of the association's telegraphic code will save more than this in a short time. Any nurseryman is eligible to membership.

The programme committee, R. C. Berckmans, chairman, is busy arranging its end of the meeting which will occupy about three and one-half hours daily, the remaining time to be spent in social features and sight-seeing. There is every prospect that the large exhibition room will be completely filled with exhibits and this is becoming an increasingly interesting and important feature annually. The legislation committee will have many interesting reports. A special train will be run from Chicago over the C. M. & St. P. railway on the morning of June 9 for the accommodation of delegates and special cars are to be attached bearing delegations from the east and south.

MOLINE, ILL.—Work has been resumed at Sylvan park under the direction of W. H. Klehm, landscape gardener, looking toward its completion at as early a date as possible—probably June 1. A force of men is now engaged in setting out a carload of young elm trees which Mr. Klehm received this week from his nurseries at Arlington Heights. Another force of men and teams is engaged in hauling soil from Sixth avenue, where grading preparatory to paving is going on.

Trimming Privet.

ED. AMERICAN FLORIST:—

Is it necessary to trim privets just planted? If so, what would be the proper height to trim? A. S.

A little trimming will be advisable as it will ease the roots. The height, of course, will depend upon the size of the plants. Cut back to wood that is fairly well ripened. G.

Grand Rapids Nursery Co.,
Grand Rapids, Mich.
Choice Hardy Michigan Trees, Shrubs, Fruit Trees and Small Fruits.
LANDSCAPE WORK A SPECIALTY.
Chicago Agent: **J. A. SELLARS,**
409 W. Van Buren Street.
Residence, 494 Douglas Boulevard.

LARGE TREES.
OAKS and MAPLES.
PINES and HEMLOCKS.
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA

Dreer's Specials in Hardy Perennials

RUDBECKIA RAYS OF GOLD.

		Per doz.	Per 100	Per 1000
Anemone Japonica.	40,000 plants in stock. These are not dried up dormant, or winter killed stock, but established, growing, 3-inch pot plants, which will flower early and continuously.			
Japonica.	Rosy red	$0.85	$6.00	$50.00
"	Alba. Large pure white	.85	6.00	50.00
Elegantissima.	Semi-double satiny rose	1.25	8.00	70.00
Lord Ardilaun.	Large single white	1.25	8.00	70.00
Prince Henry.	Double deep rich pink	1.25	8.00	70.00
Queen Charlotte.	Large silvery pink	.85	6.00	50.00
Rosea Superba.	Delicate silvery rose	.85	6.00	50.00
Whirlwind.	Large semi-double white	.85	6.00	50.00

Hardy Aster Grandiflorus. This is not only the largest flowered but one of the latest flowering of the Michaelmas Daisies; its deep violet blue flowers are the last thing to bloom in our perennial grounds. $2.00 per dozen; $15.00 per 100.

Campanula Persicifolia Gigantea Moerheimi. The most beautiful of the Peach-leaved Campanulas, producing 3 feet high stems of pure white, double, Camellia-like flowers 2 to 2½ inches in diameter; a fine cut flower. $1.25 per dozen; $8.00 per 100.

Burbank's Shasta Daisy Alaska. Undoubtedly the best not only of the Burbank varieties, but also superior to any of the foreign varieties, flowers 4 to 5 inches in diameter and of a pure glistening white. $1.50 per dozen; $10.00 per 100.

Helenium Riverton Gem. A new variety that originated on our trial grounds two years ago. Of strong growth, 2½ to 3 feet high. Covered from the middle of August to the end of October with brilliant flowers, which on opening are old gold suffused with bright terra cotta, changing as they mature to a wallflower-red. $1.50 per dozen; $10.00 per 100.

Helenium Riverton Beauty. Another new variety which originated with us, quite distinct in color, which is lemon-yellow with a large disc of purplish-black, the two colors forming a striking combination. Of strong growth, 3 to 4 feet high and blooming from early in August until October. 30 cts. each; $3.00 per dozen.

Japanese Iris. An unsurpassed collection of twenty distinct varieties, $1.50 per dozen; $10.00 per 100. Set of 20 varieties for $2.00.

Lupinus Polyphyllus Moerheimi. No new perennial in our trial grounds pleased us as much as did this new Lupine during the past season. It forms symmetrical bushes three feet high, with spikes of flowers a foot long, a beautiful combination of light and dark pink. 60 cts. each; $6.00 per dozen.

Hardy Perennial Phlox. We are headquarters for these. We have over 200,000 one-year-old field grown plants now in stock in all the leading varieties. All the standard sorts, 75 cts. per dozen; $5.00 per 100; $40.00 per 1000.

Rudbeckia Rays of Gold. An improved, or rather, a refined form of the popular Golden Glow, having narrower petals and forming a full double flower. $1.50 per dozen; $10.00 per 100.

Stokesia Cyanea Alba. Identical in every way with the popular blue Stokesia except in color, which is white; very desirable. $1.50 per dozen; $10.00 per 100.

Tritoma Pfitzeri. We have a large stock this season of this most popular of the Tritomas. $1.00 per dozen; $7.00 per 100; $60.00 per 1000.

For the most complete list of Hardy Perennials, see our current Wholesale List.

HENRY A. DREER, 714 Chestnut Street, Philadelphia, Pa.

THESE PRICES ARE FOR THE TRADE ONLY.

BOBBINK & ATKINS,

Rutherford, N. J.,

Bay Trees, Palms, Buxus, Azalea Indica, Rhododendrons, Evergreens, Herbaceous Plants, Roses, Trained Fruit Trees, Greenhouse Grape Vines. Ask for catalogue.

NEW

Surplus Shipping List

NOW OUT.

Send for one. Low prices. Fine stock.

PETERSON NURSERY,

Lincoln and Peterson Avenues, CHICAGO.

The True Amoor River Privet

Ligustrum Amurense

2½ to 3 feet, strong, field-grown plants, any quantity, $25.00 per 1000.

California same size and price.

Peter's Nursery Co., Knoxville, Tenn.

Alpine and Rock Plants

Gentianas—Acaulis, verna, Edelweiss, 10 other plants, $2.00 including postage; 600 varieties. Send for catalogue.

— Cash with order. —

ENGLISH HOME OF ALPINE PLANTS,
South Pool, Kingsbridge, Devon, England.

HARDY FRUIT AND ORNAMENTAL TREES,

SHRUBS, ROSES, VINES AND PERENNIAL PLANTS.

MAY'S SEEDS FOR THE NORTHWEST

FOR FLORISTS' TRADE. Write for Price List.

We make a specialty of furnishing nursery stock to Florists for planting or supplying their trade, also seeds put up in packets or in bulk.

"MOST NORTHERN NURSERIES IN AMERICA"

L. L. MAY & CO., ST. PAUL, MINN.

ARBOR VITÆ

(Thuya Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.

Write for descriptions and prices.

THE WM. H. MOON CO.,
Morrisville, Pa.

AZALEAS (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Jacs Smits, Ltd. NAARDEN, (Holland.)

Price list free on demand.

Ligustrum Ibota

SEEDLINGS.

Twice transplanted, 18-24 inches high bushy, fine hedge plant. Per 100, $5.00; per 1000, $40.00.

Ampelopsis Engelmani,

3-year old, strong.

Per dozen, $2.00; per 100, $15.00.

Vaughan's Seed Store,
CHICAGO.

HARDY PERENNIALS

Our collection of varieties is the largest in this country. Our plants are all field-grown except such as do not lift well from the field. We can also supply nearly all of the varieties in pot-grown plants when such are desired. These will be strong, well established plants from 3, 4 and 5 inch pots. For complete list of varieties see our wholesale list.

VIBURNUM PLICATUM.	Per 100
3 to 4 ft	$15 00
4 to 5 ft	17 00
VIBURNUM DENTATUM, 2 to 3 ft	6 00
" " 3 to 4 ft	8 00
" " 4 to 5 ft	12 00

ROSES.

Crimson Ramblers, 18 to 24 in	$ 5 00
" " 2 to 3 ft	6 00
" " 3 to 4 ft	9 00
Persian Yellow, extra fine	12 00
Soleil d' Or	12 00

200,000 ROSES in 2, 4 and 5 in. pots.
Send for list of varieties and prices.

BERBERIS THUNBERGII.	Per 100
18 to 24 in	$ 6 00
2 ft.	8 00
2 to 3 ft	10 00
40,000 ENGLISH IVY, 3-in. pots	10 00
" " 4-in. pots	12 00
" " 5-in. pots	15 00
AZALEA AMOENA, 8 to 10 in., 2 yr.	8 00
" 10 to 12 in., 3 yr.	12 00
" " 12 to 14 in. x 12 to 14 in	25 00
For large sizes see wholesale list.	
CLEMATIS PANICULATA, field-grown 2 yr., No 1	8 00
" " 3 and 4 in. pots, well established	15 00
PRIVET CUTTINGS	$13 50 per 10,000

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

BOXWOOD.

BOXWOOD.

The plants imported this season are the handsomest ever brought to this country. Prospective purchasers will do well to visit our nurseries and inspect the stock before buying.

Standard Boxwood. 3 ft. diameter, fine specimens, $7.50 each. 2½-ft. diameter, fine specimens, $4.50 each; 2-ft. diameter, fine specimens, $3 each; 18 to 20-in. diameter, fine specimens, $2; 15 to 18-in. diameter, fine specimens, $1.50. Buxus, round shape (perfectly round), 2-ft., $2.50; for hedging, 8-in., $25, $30 and $35 per 1,000; for hedging, 10-in., variegated, $30 per 1,000.

Globe Boxwood. Fine specimens from $2, $3, $4, $5, $10 to $15 each.

Pyramid Boxwood. 5 ft., $4 each; 4 ft., $3.50 each; 3½ ft., $2.50 each; 3 ft., $2 each; 2½ ft., $1.50 each; 2 ft., $1 each; 18 to 24 in., 75 cts. each; 15 to 18 in., 50 cts. each. Pyramids, 5 to 6 ft. high, nicely shaped, per pair, $10 to $15. Special prices on larger sizes.

Bush Boxwood. These are all handsome bushy specimens, adapted for hedges.

	Each	doz.
10 to 12 in	$0.25	$2.50
12 to 16 in	.35	3.50
16 to 20 in	.50	5.00
20 to 24 in	.75	8.50
24 to 28 in	1.25	12.00
28 to 36 in	2.50	25.00
36 to 42 in	3.50	36.00
42 to 48 in	4.50	48.00

Clipped Boxwood. We have a fine collection in a variety of forms. Shall be pleased to have prospective buyers call and inspect the stock. Prices on application.

BAY TREES.

Our collection of Bay Trees consists of all sizes, in standard, pyramid, column and other forms. We have upwards of 2,000 trees, from which to select any stock you may desire. Special prices given. Write for prices.

An immense stock of hardy herbaceous plants, ornamental evergreens, shade trees, fruit trees, etc.

BOBBINK & ATKINS, Rutherford, N. J.

Announcement.

Our **W. VAN KLEEF, JR.,** is again in America calling on the trade. Please ask for catalogue—free for the asking. Address during April and May care of **Maltus & Ware, 14 Stone St., New York.** Yours truly,

W. van Kleef & Sons, Wholesale Growers of Nursery Stock. **Boskoop, Holland.**

Rose Conrad F. Meyer,

It is difficult to understand why this hybrid rugosa rose is not more popular, says The Garden. Grown as a hedge it made a splendid picture in my garden last June. The great silvery rose, very sweet-scented flowers are produced in wonderful profusion. This rose can be trained on a pillar or over an arch, but is seen at its best when allowed to form a free bush. If planted as a hedge it must be given plenty of room; to try and keep it within bounds by interfering with its great prickly shoots would take away half its charm. A few old growths should be removed each year; beyond this little pruning is needed. When visiting a nursery 18 months ago I saw a row of Conrad F. Meyer 20 yards long in full bloom. The plants had been growing in an unpruned state for two years, and the effect of their long shoots bent to the ground by the weight of countless flowers was extremely fine.

"AN Architect's Views on The Use of Plants in Tying the House to the Landscape," was the title of H. H. Saylor's lecture, illustrated with lantern slides, given before the Horticultural Society of New York April 8.

BOX TREES.

We have just received a car load of beautiful, shapely Box Trees, the best we ever had, in all sizes and shapes.

PYRAMIDAL SHAPED—Fine, Shapely, Compact Trees.

Base	Each	Base	Each
2 ft. high, 18 in.	$1.25	4 ft. high, 2 ft.	$3.00
2½ ft. high, 18 in.	1.50	5 ft. high, 2½ ft.	5.50
3 ft. high, 20 in.	2.00	6 ft. high, 3 ft.	7.00
3½ ft. high, 22 in.	2.50		

STANDARD OR TREE SHAPED BOX.
Full, compact, well shaped heads.

	Each.
18 in., clear stem, crown 24 in	$2.00
24 in., clear stem, crown 24 in	3.00
18 in., clear stem, crown 34 in	3.50
24 in., clear stem, crown 34 in	4.50

GLOBE SHAPED BOX TREES.

	Each.
12 in. diameter Globes, 3-4 in. clear stem	$1.50
18 in. diameter Globes, 3-4 in. clear stem	2.25

BABY BOX TREES, 12-18 in. Clear Stem.

	Each.
Crown 10 in. diameter	$ .75
Crown 12 in. diameter	1.00

Prices do not include tubs. Roots are done up in burlap. These prices good only until April 20th. Order at once.

Vaughan's Seed Store, 84-86 Randolph St. CHICAGO. 14 Barclay St., NEW YORK.

Greenhouses and Nurseries, Western Springs, Ill.

Wittbold FLORIST

SPECIAL OFFER OF

NURSERY

STOCK, HARDY

PERENNIALS

SPRING BEDDING AND POT PLANTS.

DAHLIAS.

These are large field clumps.

Cactus.	
Mrs. A. Beck, rich salmon, twisted petals, scarlet reflex	$1.00
Charles Woodbridge, bright crimson	1.00
Miss A. Nightingale, bright red, shading to golden yellow at center	1.00
Kriemhilde, pink, shading to white at center	1.50
Countess of Lonsdale, a peculiar blending of salmon, pink and amber	1.50
F. Bartels, bright scarlet	1.00
Decorative.	
Zulu, black maroon	1.00
Oban, rosy lavender	1.00
Iridescent, vivid red, tipped with blue	1.00
Sylvia, pink, white to center	1.50
Mrs. Geo. Reed, purple, with white tint	1.00
Show Dahlias.	
A. D. Livoni, a pure quilled pink	1.50
Single Dahlias.	
J. Cowan, a fine scarlet	1.50
John Downie, crimson	1.50
Sunningdale, blush white	1.00
Mixed Colors.	
Good varieties, all colors	.75
" " mixed yellow	.75

MISCELLANEOUS LOT OF BULBS.

	Per 100
Gladiolus, mixed	$1.00
Amaryllis Formosissima	5.00
Zephyranthes Alba	2.00
" Rosea	2.00
Pancratium Spider Lily	5.00
Ismene Calathina, 1st size	6.00
" " 2nd size	4.00
" " bulblets	2.00
Tritoma Hybrids, asst. 1 year old, largest size	4.00
Tritoma Hybrids small size	2.00

ROSES IN POTS AND OUTDOOR.

Prairie Queen, 3 to 5 feet, 15 to 35c each.

	Per 100
Ramblers, Crimson, 2 feet, 15c.	
" Baby, 3½-inch pots	$ 6.00

Sweet Brier, 2 to 3 feet, 10c to 25c each.

1 Lot Hybrid Perpetual, 5-inch, asst. varieties, pot grown 15.00

KENTIAS.

	Per 100
Kentia Belmoreana, 5-in.	$ 7.20
" " 5-in. strong	9.00
" " 6-in	12.00
" " 6-in. strong	15.00
" " 7 in.	18 00
" Forsteriana 5-in	7.20
" " 5-in. strong	9.00
" " 6-in.	12.00
" " 6 in. strong	15 00

TREES.

Box Elder, from 1 to 2½-inches, 6 to 10 feet, 35c to $1.00 each. Per 100

Catalpa, 1½ to 2 inches, 8 to 10 feet, 75c each $75.00

Elm American, 2 to 4 inches, 6 to 12 feet, $1.00 to $3.00 each.

PERENNIALS.

From December, 1907, sowing. Have been replanted into flats. Any at $10.00 per 1000 until replanted again.

Myosotis (Forget-me-nots).
Stokesia Cyanea (Stokes aster).
Bellis (Daisy).
Eulalias.
Erianthus Ravennæ.
Aster Bessarabicus.
Achillea (The Pearl).
Lobelia Cardinalis.
Pentstemon (Beard-Tongue).
Rudbeckia Triloba.
Tritoma, asst. Hybrids.
Campanulas, under name and asst.
Digitalis, " " " "
Yucca Filamentosa.
Delphinium, asst. Hybrids.
Sweet William, single mixed.
Lychnis Chalcedonica, also Haageana Hybrids.
Dianthus Plumarius, mixed.
Shasta Daisy Alaska.
Ampelopsis Veitchii.
Veronica Longifolia Subsessilis.
Gaillardia Grandiflora, also Kelway's Hybrids.

Araucarias.

4-inch 50 cents each
5 " 75 " "
6 " $1.00 each

SHRUBS, ETC.

Ampelopsis Quinquefolia, or American Ivy, 15c each.
Berberis Thunbergii (Japanese Barberry), 1 to 3 feet, 10c to 50c each.
Hydrangea Paniculata, 2 to 3 feet, 15c to 35c each.
Symphoricarpus Racemosus alba (Snowberry), 2 to 5 feet, 10c to 50c each.
Symphoricarpus Vulgaris rubra (Indian Currant), 2 to 4 feet, 10c to 35c each.
Lilacs, Persian, also German, in white and light and dark purple, 3 to 6 feet, 25c to $2.00 each.
Viburnum Opulus (Snowball), 2 to 5 feet, 10c to 50c each.
American Arbor-vitæ, 2 to 3 feet, 10c to 25c each.
Matrimony Vine, 10c to 50c each.
Spiræa Sorbifolia (white), 3 feet, 25c.
" Thunbergii, 2 to 3 feet, white, 15c to 25c.
" Regalis, 3 feet, 35c.
Syringa (Philadelphus) Lemoineii, 3 to 4 feet, 25c to 35c each.
Cut-leaf Elder, 3 to 6 feet, 10c to 25c.

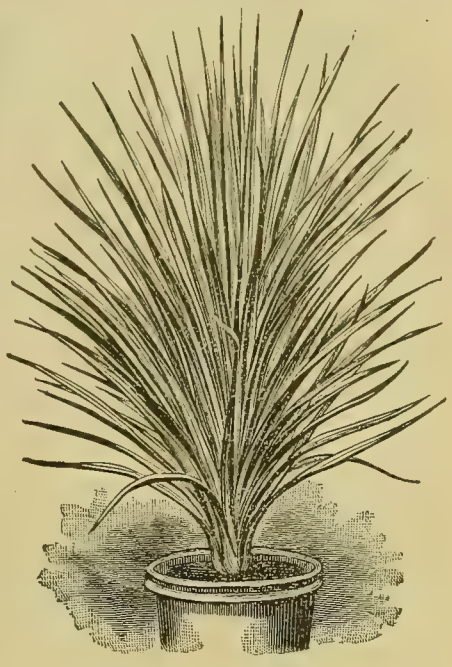
PEONIES.

In variety, 10c to 50c each.

Cycas Revoluta.

4-inch 25 cents each
5 " 35 " "
6 " 50 " "
7 " 75c to $1.00 each
8 " $1.25 to $1.50 "

If we do not confine ourselves to the exact size of pot specified, we shall see that stock of good value for the money is sent on every order.



DRACAENA INDIVISA

This most useful plant is always in great demand in spring. Better secure your stock now. Fine plants in the following sizes and prices:

		Per doz.	Per 100
Dracaena Indivisa,	4-inch	$ 2.00	$12.00
" "	5-inch	3.00	20.00
" "	6-inch	6.00	40.00

Perennials in Pots, One Year Old.

	Per 100
Dianthus, Sweet William, 5-inch pots	$10.00
Coreopsis Lanceolata, 5-inch pots	8.00
Campanula, asst., 6-inch pots	12.00
	Per 1000
Grave Myrtle, 2¼-inch pots	$25.00
" " 3-inch pots	40.00

Perennial Clumps from Field.

12c per clump except where specified.

Iris Germanica, all colors under name, 10c
" Kaempferi, blue, tall, 10c
Bachelor's Buttons, yellow, 2 feet, 10c.
Campanula, assorted.
Chrysanthemum Uliginosum, 3 feet.
" Shasta Daisy.
Coreopsis Lanceolata.
Day Lily, 5 feet.
Gaillardia.
Golden Glow (or Rudbeckia), 8c.
Lychnis Chalcedonica.
Delphinium or Larkspur.
Phlox, all colors, under name.
Pentstemon, assorted.
Polemonium Cæruleum (Jacob's Ladder).
Physostegia Speciosa, grand, mixed.
Yucca Filamentosa (Adam's Needle), 25c.

The GEO. WITTBOLD CO., 1657 Buckingham Place, Chicago

Stands by the Mistletoe.

Washington, D. C., March 30.—An amendment to the agricultural appropriation bill offered by Mr. Burleson of Texas, providing means for exterminating the mistletoe as a parasite harmful to trees, provoked much heated discussion in the house to-day.

No sooner had the unromantic amendment been read than a storm of protest arose.

"I should like to ask if the gentleman is single?" put in Mr. Douglas.

"And I should like to know," said Mr. Olmsted, "whether the gentleman means this cruel measure to go into effect in leap year?"

"And does the gentleman value the forests of the future more than the poetic associations of the past?" asked John Wesley Gaines.

Mr. Burleson tried to explain the necessities of the case, but Mr. Gaines had started on the subject of sentiment and could not be stopped.

"I call up to your memory," he said, "all the glowing thoughts that ever came to you under the mistletoe. I call upon the gentleman who has just left the chair, Mr. Nicholas Longworth, to tell you his experiences, and I call upon the whole house to remember similar experiences and vote down this amendment."

The amendment was killed amid shouts of laughter.—New York Times.

THE National Nut Growers' Association, through its offices and members, has begun a series of uniform observations, to be taken in all parts of the country, with a view to accumulating data showing the adaptability of varieties to the different sections. The initial work will be confined largely to the pecan, but other nuts will be taken up in the same way if the expectations regarding the pecan are realized.

Hardy Roses

American Grown—Superior to Imported

We have unsold at the present time the following varieties—**all field grown plants,** grown in our nurseries at Rochester, N. Y.:

Anne de Diesbach	**Prince Camille**
Ollo	**Ulrich Brunner**
Frau Karl Druschki	**Crimson Rambler**
General Jacqueminot	**White Rambler**
John Hopper	**Yellow Rambler**
Mme. G. Luizet	**Philadelphia Rambler**
Marshall P. Wilder	**Common Sweet Briar**
Mrs. John Laing	**Mme. G. Bruant**
Paul Neyron	**Wichuriana (The Type)**

These plants are in our storage cellars and can be shipped at any time. Prices on request.

ELLWANGER & BARRY

Nurserymen—Horticulturists

Mount Hope Nurseries, Rochester, N. Y.

Detroit.

CLUB MEETING.

The Florists' Club meeting, April 1, brought out an unusually large attendance. A trade exhibit of Easter stock, chiefly in plants, was scheduled and nearly every grower in the city was represented with elegant stock and used the occasion to book many orders for Easter delivery. The meeting itself was most interesting, Geo. Browne entertained the boys with an original poem calculated to spur up the delinquent members of which there are quite a few as developed by Treasurer Walter Taepke's annual report, which was read. Ex-President George A. Rackham was present and introduced his successor in business, Michael Bloy, whose application for membership was received. As Mr. Rackham is retiring from the florist business, he was made an honorary member instead of active. He gratefully acknowledged the compliment and assured the club he had always appreciated the many honors it had conferred upon him in the past. Philip Breitmeyer spoke interestingly of his recent trip south, and also of his trip to Chicago, where he attended the meeting and exhibition of the American Rose Society. J. F. Sullivan also gave his impressions of the great rose show. The entertainment committee of the club provided refreshments which were much relished after the long evening session.

Visitors: Paul Berkowitz, Philadelphia; R. J. Irwin, New York.

J. F. S.

Neph. Whitmani

2¼-inch.....$ 5.00 per 100
3½-inch..... 25.00 per 100

Boston Ferns 2¼-inch, $3.00 per 100.

Henry H. Barrows & Son, WHITMAN MASS.

Berkshire Petunia

A fine, free flowering fringed pink double Petunia. Flowers measuring 3 inches across; a most valuable acquisition, with no "fancy" price attached.

ROOTED CUTTINGS,
$2 50 per 100: $20.00 per 1000: 500 at 1000 rates.

Stock grown at and sent from Pittsfield, Mass.

S. S. SKIDELSKY
1731 N. 18th St., Philadelphia, Pa.

Express Prepaid on all Rooted Cuttings and satisfaction guaranteed.

Salvias Bonfire, St. Louis...$1.00 per 100, $8.00 per 1000
Lantanas, 8 of the finest varieties, $1.25 per 100; $10. per 1000.
Coleus a grand collection (named) 70c per 100; $6.00 per 1000.
Heliotrope, 10 best varieties.... $1.00 per 100; $8.00 per 1000.
Daisies, California (White) Yellow Castle (Yellow), the finest of all daisies. $1.00 per 100; $8.00 per 1000.
Petunias, Dreer's and Henderson's .... $1.25 per 100; $10.00 per 1000.
Alternantheras, red, yellow and Brilliantissima from soil, Sept. struck..70c per 100; $6.00 per 1000
Feverfew,....$1 25 per 100; $10.00 per 1000.
Vincas Variegated, $1.25 per 100; $10.00 per 1000

C. HUMFELD, Clay Center, Kas.

OECHSLIN'S FERNS.

BOSTON FERNS.

	Nice bushy plants.	Per doz.	Per 100
5-in.	"	$ 3 00	$25 00
6-in.	"	6 00	50 00
7-in.	"	9 00	
8-in.	"	12 00	

Nephrolepis Whitmani
9 in. pots, $2.00 each.

FERNS FOR DISHES.

Six leading varieties.
Strong bushy plants

	Per 100	Per 1000
2-inch pots	$ 3 00	$ 25 00
	Per doz.	Per 100
3-inch pots	$ 0 75	$ 6 00

Cyrtomium Falcatum

Holly Fern. Strong plants.

	Per doz.	Per 100
4½-in pots	$ 2 00	$15 00
5-in. "	3 00	25 00
6-in "	5 00	

Dracena Indivisa
Fine plants for Baskets and Vases.
5-in. pot plants, per doz. $3.00; per 100 $20.00

Eurya Latifolia
Fine Variegated Plant for Decorating.
24 to 30 inches high, $1.25 each.

Fern Hanging Baskets.

Anna Foster
Well grown and drooping. $2.00 each.

Pteris Wimsetti and Ouvrardi
Strong and bushy, 4½-in. pots, $2.00 per doz.; $15.00 per 100.

Asparagus Plumosus

Strong bushy plants, ready to shift.

	Per doz.	Per 100
4½-in. pots	$ 1 50	$ 12 00
5 in. " 3 in a pot	3 00	20 00
6-in. " 3 "	6 00	

Asparagus Sprengeri

Strong plants, fine for Hanging Baskets,
4-in. pots $1.50 per doz.; $12 00 per 100.
6-in. pots, 3.00 per doz.; 25.00 per 100.

Aspargus Sprengeri Baskets
12 and 14-in $1.50 and $2.00 each.

Cocos Weddelliana
3-in. pots.....per doz.. $2.50: per 100 $20 00
5-in. " ...4 in a pot, 75c each; $9.00 per doz.

Pandanus Veitchii
Strong and well colored.
5 in. pots.....$1 00 each.
5½-in. pots..... 1.25 each
6-in. pots..... 1.50 each

Primula Obconica Grandiflora Rosea

STRONG PLANTS.

2½-in. pots.....50c per doz.; $3 00 per 100
3½-in. pots.....75c per doz.; 6 00 per 100
4 in. pots, strong plants in bloom.....$1 50 per doz.; 12.00 per 100

TERMS STRICTLY CASH WITH ORDERS.

FRANK OECHSLIN, 2572 West Adams Street, **Chicago, Ill.**

Formerly GARFIELD PARK FLOWER CO.

Smith's Chrysanthemum Bulletin

The following varieties are among the Most Popular of the Commercial Sorts, having been given thorough tests and not found wanting. READY NOW.

A LARGE STOCK READY IMMEDIATELY AFTER EASTER.

LET US HAVE YOUR ORDER NOW.

EARLY.

In this section are included those perfecting their flowers prior to Nov 1st.

WHITE.	Price per 100 R.C. Plants	
Beatrice May	$4.00	$6.00
Clementine Touset	2.00	3.00
Ivory	2.00	3.00
Mme. Gastellier	2.00	3.00
Alice Byron	2.00	3.00
Opah	2.00	3.00

WHITE.	Price per 100 R.C. Plants	
October Frost	$2.00	$3.00
Polly Rose (Estelle)	2.00	3.00
Pres. Loubet	4.00	6.00
Geo. S. Kalb	2.00	3.00
PINK.		
Amorita	2.00	3.00

PINK.	Price per 100 R.C. Plants	
Pacific	$2.00	$3.00
Rosiere	2.00	3.00
YELLOW.		
Carrie	2.00	3.00
Comoleta	3.00	4.00
Monrovia	2.00	3.00

MIDSEASON.

This section includes those which under ordinary circumstances develop their blooms from Nov. 1st to 20th. Some will flower earlier and others later, according to season and climatic conditions.

WHITE.	Price per 100 R.C. Plants	
Arline	$2.00	$3.00
M. Wanamaker	2.00	3.00
Mrs. Robinson	2.00	3.00
Mrs. Buckbee	2.00	3.00
Mrs. A. T. Miller	4.00	6.00
Alice Roosevelt	3.00	4.00
Niveus	2.00	3.00
Silver Wedding	3.00	4.00
Wm. Eaton	2.00	3.00
Mrs. Swinburne	2.00	3.00
Fidelity	3.00	4.00

PINK.	Price per 100 R.C. Plants	
Dr. Enguehard	$2.00	$3.00
Marie Liger	3.00	4.00
Mayor Weaver	2.00	3.00
Pres. Roosevelt	8.00	10.00
V. Morel	3.00	4.00
Wm. Duckham	2.00	3.00
Brighthurst	2.00	3.00
BRONZE.		
Winnefred	6.00	8.00
Dakoma	4.00	6.00

YELLOW.	Price per 100 R.C. Plants	
Col. Appleton	$2.00	$3.00
Crocus	4.00	6.00
Golden Wedding	3.00	4.00
Maj. Bonnaffon	2.00	3.00
Roi d' Italia	2.00	3.00
Sunburst	3.00	4.00
Yel. Eaton	2.00	3.00
CRIMSON ROSE.		
T. Carrington	2.00	3.00

LATE.

Flowering from Nov. 20th and later. Some will perfect their flowers by Nov. 10th if early buds are secured.

WHITE.	Price per 100 R.C. Plants	
Jeanne Nonin	$3.00	$4.00
W. H Chadwick	3.00	4.00
Yanoma	3.00	4.00
RED.		
Intensity	3.00	4.00

PINK.	Price per 100 R.C. Plants	
Ialene	$3.00	$4.00
John Burton	3.00	4.00
Maud Dean	2.00	3.00
Mrs. Murdock	2.00	3.00
Jeanne Rosette	8.00	10.00

YELLOW.	Price per 100 R.C. Plants	
Golden Chadwick	$3.00	$4.00
Mounier	2.00	3.00
W. H. Lincoln	2.00	3.00

Thousand Rates Quoted on Application. LOOK FOR OUR ADV. IN FUTURE ISSUES.

ELMER D. SMITH & CO.,

Successors to Nathan Smith & Son, **ADRIAN, MICH.**

New Orleans.

BRIGHT PROSPECTS FOR EASTER TRADE.

Every indication proves that the trade for Easter will far surpass that of years back, both in the cut flower and plant line. The church decorations this year will be very elaborate and the florists are busy booking orders for same. The weather has been very favorable and the gardens of the city are one mass of bloom. The growers are now busy preparing their chrysanthemums for the fall show, which from present indications will be much superior to anything we have had in the past, and we hope the growers from the north will exhibit and show what section can produce the best flowers.

NOTES.

Jos. and Leon Chopin have formed a partnership, under the name of Chopin Bros., for general garden work.

J. H. Menard, Richard Ory, Abele Bros., and M. Lapouyade, are doing a good business at the markets.

E. Baker, late of Audubon park, has taken a position in a commercial house.

M. Cook's Sons are doing a rushing business in the plant and shrub line.

P. A. Chopin is kept busy with floral work for weddings and funerals.

R. Reinecke is progressing nicely with his new fish-tail fern.

John Rinck has the I. C. R. R. park in the pink of condition. D.

LYNN, MASS.—Ephraim E. Smith, a gardener, residing at 122 South street, was knocked from his bicycle by a passing automobile on South Common street March 28.

CHRYSANTHEMUMS

100,000 plants now ready in 2¼-inch pots.

Of all the Novelties and Standard Varieties including the new Australian sorts and the best singles.

Get my list if you did not receive it.

ROSES

	Per dozen	Per 100
Rhea Reid, and Mrs. Jardine,	$4.50	$ 30.00
Grafted Stock of Brides, Maids, Richmond and Killarney,	Per 100 $12.00	Per 1000 100.00
Own Root Stock Brides and Maids,	3.00	25.00
Begonia Gloire de Lorraine, 2¼-inch pots,	15.00	148.00

C. H. TOTTY, Madison, N. J.

Send Advts. Early for Best Service.

Dormant Roses for Easter Forcing.

2-year old Budded Roses, per doz., $2.00; per 100, $15.00.

American Beauty Kaiserin Paul Neyron
La France Soleil d'Or Gruss an Teplitz
Frau K. Druschki and Hermosa.

The following kinds, 2-year old Budded, per doz., $1.50; per 100, $11.00:

Anna de Diesbach Fisher Holmes Magna Charta
Ball of Snow Gen. Jack M. P. Wilder
Capt. Christy Mad. C. Testout Mrs. J. Laing.
Ulrich Brunner and many other kinds.

	Per 100
Crimson Rambler, 2-yr., home grown for Easter forcing	$15.00
Crimson Rambler, 2-yr., strong imported stock	12.00
Dorothy Perkins, 2-yr., home grown for Easter forcing	12.00
Lady Gay, 2-yr., budded stock	20.00
Philadelphia Rambler, 2-yr., home grown	12.00
Baby Ramblers, 2-yr., extra strong budded	20.00
White Baby Rambler, 2 1-2 in.	10.00
Red Kaiserin, 2-yr. dormant	25.00

CARNATIONS—Rooted Cuttings.

	Per 100	Per 1000
Afterglow, 2-in. pots	$12.00	$100.00
Andrew Carnegie, 2-in. pots	12.00	100.00
Defiance	12.00	100.00
Sarah Hill, 2-in. pots	12.00	100.00
Winona, from sand	12.00	100.00
White Enchantress	6.00	55.00
Lady Bountiful,	3.00	25.00
Red Chief,	5.00	40.00
Red Riding Hood, from soil	5.00	40.00
Victory,	3.00	25.00
Robt. Craig, from soil	$3.00	$25.00
Aristocrat	6.00	50.00
Pink Patten, from soil	2.50	20.00
Mrs. T. W. Lawson	2.00	15.00
Winsor, 2-in. pots	6.00	45.00
Rose Pink Enchantress, from soil	4.00	30.00
Enchantress, from soil or sand	3.00	25.00
Mrs. Patten, from soil	2.50	20.00
Prosperity	2.50	20.00

VAUGHAN'S SEED STORE, 84-86 Randolph Street, CHICAGO.
14 Barclay Street, NEW YORK.

Greenhouses and Nurseries: Western Springs, Ill.

Strictly First-Class PLANTS

ON OWN ROOTS
2½-pots to line out.

$2.50 per 100
$25.00 per 1000
Baby Rambler
Clothilde Soupert
Dorothy Perkins
Mme. A. Chatenay
Crimson Rambler

$2.75 per 100
$27.50 per 1000
Hermosa
Maman Cochet
Malmaison
Etoile de Lyon
Helen Gould
Lady Gay
M. Neil
Notting
Meteor
White Maman

ROSE PLANTS

$3.00 per 100
$30.00 per 1000
Black Prince
Mme. Masson
Richmond
Kaiserin
Paul Neyron

$3.50 per 100
$35.00 per 1000
Etoile de France
Gen. McArthur
Mme. J. Guillemot
Mrs. J. Laing

Helen Good
$5.00 per 100

J. B. Clark
$8.00 per 100

C. M. NIUFFER, Springfield, O.

Easter Lilies in Pots
OR CUT BLOOMS.

ROSES

Mrs. Potter Palmer 2½-in., $15.00 per 100; $125.00 per 1000; 2000 or over $100.00 per 1000, R. C. "Palmer" $8 00 per 100 **Cardinal** 2½-in., $6.00 per 100; $55.00 per 1000;

American Beauty R. C. $30.00 per 1000; 2- and 2½-in. $6 00 per 100, $55.00 per 1000.
Maids, Brides, Richmond, Sunrise Kaiserin, Uncle John, 2½-in. $4.50 per 100; $4) 00 per 1000.
Benched Beauty Plants, $55.00 per 1000.

CARNATIONS

R. C. Winsor, White Enchantress, Beacon, $5 00 per 100; $45.00 per 1000 Rose Pink Enchantress and Enchantress, $2.50 per 100.

Aristocrat, 2½-in, $6.00 per 100. Maybelle, Victory Enchantress, White Lawson and Variegated Lawson 2- and 2½ in. $3.00 per 100

CHRYSANTHEMUMS Special 10% discount after April 4th. Ask for price list. We grow the best commercial varieties only. R C. and 2½ in now ready.

POEHLMANN BROS. CO., Morton Grove, Ill.

KAISERIN.

Strong young plants in 2 1-2-inch pots, just right for summer flowers or spring trade. Price:

	Per 100	1000
	$4.50	$40.00
MAID, BRIDE and **RICHMOND,** 2 1-2 inch pots	3.00	25.00
LA DETROIT, bench plants	6.00	50.00

Carnations—Rooted Cuttings.

	Per 100	Per 1000
Rose Pink Enchantress	$3.00	$25.00
Enchantress	2.50	20.00
Lady Bountiful	2.50	20.00
White Perfection	$4.00	$35.00
Queen	2.00	15.00

BASSETT & WASHBURN,
76 Wabash Ave, CHICAGO.

OUR PASTIMES.

At New York.

The following were the bowling scores at the games April 3. A box of cigars and a pruning knife has been offered for the best average in April by President Marshall.

Marshall	154	164	131
Schreiner	121	111	146
Traendly	154	142	144
Shaw	126	113	121
O'Mara		139	105
Fenrich	156	194	144
Manda	157	164	162
Young	129	109	104
Totty		123	146
Burns		105	100
Schultz			77

At Helena, Mont.

A rifle club has been formed by the boys at the State Nursery Co. J. M. Mills, brother of the president, won the last two weekly shoots. A baseball club is talked of and a survey has been made by another section for a good site for a tennis court.

W. J. H.

AURORA, ILL.—J. M. Smely, South Fourth street, has come to the rescue of the city and has presented the city hall custodian with a number of fine plants which will be used in the parks this summer. The plants will replace the hundreds which were frozen in the municipal greenhouse when the fireman allowed the steam to run down one night several weeks ago.

THE NEW .. CARNATION **AFTERGLOW**

WAS AWARDED A

Gold Medal by the Rhode Island Horticultural Society, at Providence, Nov., 1907. (Exhibited by Wm. Nicholson)

Craig Silver Cup by the Penn. Horticultural Society at Philadelphia Nov., 1907. (Exhibited by Dailledouze Bros.)

First Prize by the St. Louis Horticultural Society at St Louis, Mo., Nov., 1907. Exhibited by The E. G. Hill Co.)

First Prize by the State Florists' Association of Indiana at Indianapolis, Nov., 1907. (Exhibited by the Originator.)

Scored the highest number of points of any seedling exhibited at the Toronto Exhibition of the A. C. S. Jan., 1907, after arriving 24 hours late from Framingham, Mass.

Aside from these honors, the fact that it has been grown successfully wherever it has been tried is the best proof of its commercial value. Orders now booked by the undersigned, to be filled in rotation for well grown, well rooted cuttings at

$2.00 per doz.; $12.00 per 100; $100.00 per 1000.

WILLIAM NICHOLSON, Framingham, Mass. | THE E. G. HILL CO., Richmond, Ind. | DAILLEDOUZE BROS., Flatbush, Brooklyn, N. Y. | R. WITTERSTAETTER Originator, Sta. F., Cincinnati, Ohio.

PETER LAMBERT

Trier (Germany).

The Best 30 New Roses For 1908

(EXPORT.)

Grossherzog, Friedrich, Frau Rose Benary, Friedrichsruh, Reichskanzler, Lyon Rose, Frau Staub, Mrs. V. Tienhoven, etc.

NEW LIST ON APPLICATION.

For Autumn:
Enormous quantities field grown roses.

Rooted Rose Cuttings

	Per 100	Per 1000
MAIDS	$1.50	$12.00
BRIDES	1.50	12.00
RICHMOND	1.50	12.00

Bench Plants.

	Per 100	Per 1000
AM. BEAUTY	$6.00	$50.00
BRIDES, MAIDS, CHATENAY	3.00	25.00

Smilax,

	Per 100	Per 1000
2½-inch pots	$2.00	$15.00

GEORGE REINBERG,

35 Randolph St., CHICAGO.

Grafted Roses

FOR FORCING.

Bride, Bridesmaid, Kaiserin, Killarney, Richmond, Wellesley,

$12.00 per 100; $100.00 per 1000.

JACKSON & PERKINS COMPANY

WHOLESALE FLORISTS AND NURSERYMEN,

Newark, Wayne County, New York.

TAUSENDSCHON

or in English, **THOUSAND BEAUTIES,** is the sensational new Climbing Rose of the year. Every florist should have it. It is not excelled for forcing purposes and for general planting by any Climbing Rose now known, **not even barring Crimson Rambler.** This is the coming forcing Rose. Get your stock early. Illustrated in ten colors and gold in our Catalogue for 1908 the **Leading Rose Catalogue of America.** Every rose worth having is described in it. Copy free for the asking.

Strong plants of Tausendschon from 3-inch pots, 10 for $1.50; $12.00 per 100; $100.00 per 1000.

Dahlias, all the leading varieties, $45.00 to $50.00 per 1000. Send for list.

Cannas, all the leading varieties $10.00 per 1000 and upwards. Ask for list.

The Dingee & Conard Co., WEST GROVE, PA.

CARNATIONS ROOTED CUTTINGS.

Aristocrat	Per 100, $ 5 00	Enchantress	Per 100 $ 2 00
Winsor	" 5 00	Lady Bountiful	" 2 00
Perfection (White)	" 2 75	Victory	" 2 75

Rose Pink Enchantress, $2.75 per 100.

SALVIA ZURICH. The Ever-blooming Salvia. Rooted cuttings, $1.75 per 100; 2-in. $3 00 per 100.

The Salvia Zurich was first introduced by us.

PERENNIAL GARDENS CO., Toledo, Ohio.

Lynn, Mass.

Better prizes for competitors at the annual exhibition in September, and economy in every department where expense can be reduced, will be the policy of the Houghton Horticultural Society during the coming year, under the administration of the recently elected president, Philip Emerson. This attitude of the board of officers was thoroughly discussed at a meeting of the Houghtons at the home of Mrs. W. W. Butman, Beacon Hill avenue, April 1.

It was decided that business sessions in the future shall be held at the residence of different members, instead of at Lynn Historical hall, the rental of which was increased a short time ago. The lectures given under the auspices of the Houghtons will be given henceforth in the lecture room at the Lynn public library.

Plans were completed for the framing of a calendar for the coming season. The first outing will be April 20, when members will make a tour of the Boston greenhouses. On May 23, there will be an excursion to Marblehead. The Ross farm will be visited and it is expected that about 300 varieties of tulips will be in flower at that time. At the regular meeting, April 29, a stereopticon lecture will be given. Suggestions concerning joint meetings with organizations engaged in a similar work were made by different members, and discussed at some length. A special effort is going to be made to increase the number of amateur entries at the September show this year.

Extra Fancy Carnation Blooms

Shipped direct to all points. Special attention to telegraph orders. Give us a trial and be convinced.

J. D. THOMPSON CARNATION CO., Joliet, Ill.

Flowering Plants for Easter

Easter Lily Plants,.....10c per bud
Hydrangeas, in 7-in. pots .....50c to $1.00 each
Azaleas.....75c., $1.00 and $1.50 each
Spireas,.....50c. and 75c each
Hyacinths, in 4-in pots.....10c and 12c each
Tulips, in 6 in. pans, 8 to 10 bulbs, single and double.....25c each
Daffodils, in 6 in. pans.....25c each
Rhododendrons, ...$1.00 to $1.50 each
Crimson Rambler Rose,..50c., 75c and $1.00 each
Baby Rambler Rose.....50c., 75c and $1.00 each
Violets, in 6-in. pans, full of blooom..... .....$2 50 per dozen pans
Pansies, in 6-in. pans, full of bloom..... .....$2.50 per dozen pans

ELI CROSS,
25 Monroe St., Grand Rapids, Mich.

CARNATIONS

Rooted Cuttings. Healthy stock.

	Per 100	1000
Winsor, Helen M. Gould, Beacon	$6.00	$50.00
White Enchantress	7.00	60.00
Melody, Victory	4,00	
Enchantress, Lady Bountiful, Red Lawson, Variegated Lawson, White Lawson, Daheim	3.00	25.00
Mrs. T. W. Lawson, Boston Market,	2.00	15.00

Send for Catalogue.

WOOD BROTHERS
FISHKILL, N. Y.

Toronto.

STOCK PLENTIFUL AND GOOD.

Stock plentiful and of the very best quality, and business only ordinary with little activity, excepting in funeral work, are the conditions, and these are not over joyous for either the grower or the storemen. The roses are a pleasure to behold, good strong stems and of very good color; carnations are more than plentiful and all good. Violets are getting smaller but sweet peas and lilies are becoming more plentiful. The price list for Easter, taking effect April 14, has just been issued. American Beauty roses are quoted at $15 to $40 per 100; Richmond $10 to $20; Killarney, Bridesmaid and Bride $10 to $15; Carnations $2 to $6; lily of the valley $2 to $4; bulbous stock $1.50 to $3; Callas $6 to $10; Violets 75 cents to $1. and Easter lilies $8 to $12. The outlook is for a good supply of stock in all varieties excepting violets; lilies will be plentiful and some very good stock is promised. In flowering plants there will be a good assortment.

NOTES.

The Horticultural Society was the guest of and welcomed by Sir Henry and Lady Pellat on Saturday, and the members received quite a surprise at the magnitude of excellent stock the conservatories contained. W. McVittie, the gardener, deserves credit for his excellent display of well grown stock; refreshments were served and it proved a very enjoyable afternoon.

The retailers are making great strides for Easter business and are showing good stock. The Floral Supply has opened a new branch on Queen street E., and Thos. Plumb will be open on Yonge street in a few days. H. G. D.

PINE BLUFF, ARK.—During the recent storm the greenhouses of A. A. Harper and Mrs. C. A. Starr were perforated until they resembled immense sieves.

"THE TEST is what TELLS THE STORY."

When growers who buy by the 100 the first season order thousands the next—**IT MEANS MERIT.**

BEACON CARNATION

occupies this enviable position; as an all winter blooming scarlet **IT HAS NO EQUAL.**

Strong, vigorous, healthy cuttings, ready now, Per 100, $6.00; per 1000, $50.00.

Winsor.....Per 100, $6.00; per 1000 $50.00
White Perfection.. " " 4.00; " " 35.00
Rose Enchantress..Per 100, $4.00; per 1000, $35.00
Enchantress ..... " " 3.00; " " 25.00

Send Money Orders on Norwood, Mass.

PETER FISHER, Ellis, Mass.

Rooted Carnation Cuttings

	Per 100	Per 1000
Enchantress	$ 1 75	$ 15 00
Mrs. T. W. Lawson	1 50	12 00
Boston Market	1 50	12 00
Rose Pink Enchantress	3 00	25 00
White Perfection	3 00	25 00
White Enchantress	6 00	$ 50 00
Winsor	6 00	50 00
Beacon	6 00	50 00
Harlowarden	1 50	12 50
Aristocrat	6 00	50 00

CHRYSANTHEMUMS.

WHITE.	Per 100
W. H. Chadwick	$2 00
White Bonnaffon	1 50
October Frost	1 50
Estelle	1 50
Clementine Touset	1 50
Jeanne Nonin	1 50

YELLOW.	Per 100
Golden Chadwick	$2 00
Major Bonnaffon	1 50
October Sunshine	1 50
Monrovia	1 50
PINK.	
Dr. Enguehard	1 50
Glory of Pacific	1 50

Satisfaction Guaranteed. **A. F. LONGREN, Des Plaines, Ill.**

CARNATIONS. GERANIUMS.

ROOTED CUTTINGS.

	Per 1000
Winsor and Beacon	$40.00
Pink Imperial, Aristocrat	30 00
Enchantress, J. E. Haines	12.50
White Perfection, Victory	20.00
Pink Patten, Lawson	10.00

Nutt, Perkins, Doyle, Viaud, Castellane, Poitevine and Ricard, ready in May at $10.00 per 1000.

Asparagus Plumosus, ready for 3 inch now at $30.00 per 1000.
Asparagus Sprengeri and **Smilax,** ready June 1st at $15.00 per 1000.

ALBERT M. HERR, Lancaster, Pa.

CARNATIONS—Rooted Cuttings. Immediate Delivery.

	Per 100	1000
Winsor	$6.00	$50.00
Aristocrat	6.00	50.00
Victory	3.00	25 00
Enchantress	2.00	20.00
Lawson, (pink)	1.75	15.00
Lawson, (white)	2.00	18.00

STEVIA, R. C., $1.00 per 100.

Or will exchange the above for Montmort, Perkins, Poitevine or Viaud Geraniums.

Satisfaction guaranteed. **E. T. WANZER, Wheaton, Ill.**

AM. BEAUTIES. 2 x 3 Inch Rose Pots.

Fine plants, ready for a shift, $6.00 per 100; $50.00 per 1000.

JOSEPH HEACOCK CO., Wyncote, Pa.

JOHN E. HAINES,

BETHLEHEM, PA.,

is the place to order rooted cuttings of the following varieties for 1908.

	Per 100	Per 1000
John E. Haines, red	$6.00	$50.00
Imperial, variegated	6.00	50.00
Pink, Pink	6.00	50.00
Enchantress, Light pink	6.00	50.00

WHITE ENCHANTRESS

Splendid stock and immediate delivery. $6.00 per 100; $50.00 per 1000.

Write for list of other varieties.

JENSEN & DEKEMA,
674 W. Foster Ave., CHICAGO.

La Detroit

Two-year-old bench plants at $6.00 per 100 or $50.00 per 1000. Very fine for summer blooming.

BASSETT & WASHBURN
76 Wabash Ave., CHICAGO.

Rooted Cuttings

	Per 100	1000
Enchantress	$2.00	$18.00

Cash with order. Good stock guaranteed.

Pettit & Sharpnack, SALEM, OHIO.

CARNATIONS. Ready to plant in field........

Sarah Hill, 2-in	$7.50	Pink Lawson, 2-in	3 50
3-in	12.50	Red Lawson, 2-in	5.00
Lawson Enchantress,		Cardinal, 2-in	5.00
2-in	7.50	Boston Market,	
3-in	12.50	2-in	3.50
White Lawson 2 in	$5.00	Queen, 2 in	3.50
Enchantress, 2-in	5.00		

Write. **GEO. A. KUHL, Pekin, Ill.**

2½-in. ROSES 4-in.

See illustration, page 404, Mar. 21.
See column adv., page 460, Mar. 28.

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO

Eat Thornless Cactus.

Luther Burbank, the wizard of California, was the theme of all remarks and nearly every toast at a banquet which demonstrated some of the marvels of the thornless cactus, given at the Butler Hotel, Seattle, Wash., March 25, by R. P. Probasco, Mr. Burbank's representative in the propagation of the new cactus on a business basis. Mr. Probasco's guests included representative business men of Seattle, who tasted for the first time cactus served in every form imaginable.

From cactus fruit "Guayaquil" to cactus tartlets "Chico," the menu demonstrated what a chef can do with the Burbank evolution of the desert growth. Incidentally the plans of Mr. Probasco for the propagation of the thornless cactus in the arid regions of eastern Washington were briefly outlined.

Specimens of the thorny and thornless cactus had were sent from Santa Rosa by Mr. Burbank for the information of the guests. Mr. Probasco, who acted as chairman of the evening, explained how the growth of the thornless cactus in arid regions would support thousands of cattle on hitherto waste land, and act as an economic factor in reducing the price of meat throughout the country.

RUDOLPH BLASCHKA, is still turning out his famous glass models of flowers for the Agassiz museum of Harvard University at the rate of 25 specimens per annum. The secret process by which these exquisite models are made is known only to Blaschka since his father, Leopold Blaschka, died in 1895, and he works solely for Harvard. This is known as the Ware collection of flower models.

GRAFTED ROSES.

NOVELTIES.

MRS. JARDINE, RHEA REID, QUEEN BEATRICE.
The above, $6.00 per doz., 50 plants for $18.00, $35.00 per 100.
MY MARYLAND, 50c each, $5.00 per doz., $35.00 per 100.
On own roots, 2½ in. pots, $25.00 per 100, $2.00 per 10; 3 in. pots, $5.00 per doz.
MRS. POTTER PALMER, $3.00 per doz., $17.50 per 100; $125.00 per 1,000.
NEW RAMBLER, "NEWPORT FAIRY." For delivery spring 1908. Well rooted plants in 2¼ inch pots $1.00 each, $9.00 per dozen, $50.00 per 100.

STANDARD VARIETIES.

Aurora, Betty, Bon Silene, Bride, Bridesmaid, Enchanter, Etoile de France, Franz Deegen, Gen. McArthur, Golden Gate, Hermosa, Ivory, Kaiserin Augusta Victoria, Kate Moulton, Killarney, La Detroit, Maman Cochet, Marechal Niel, Mme. Abel Chatenay, Mme. Hoste, Mrs. Pierpont Morgan, Papa Gontier, Rosalind Orr English, Richmond, Souv. du President Carnot, Souv. de Wootton, Uncle John, Wellesley, White Cochet.

GRAFTED, 2¼ inch pots, 20c each, $2.00 per doz., $15.00 per 100, $120.00 per 1,000.

AMERICAN BEAUTY.

Own root, 2½ inch pots, $8.00 per 100, $75.00 per 1,000. 3 inch pots, $12.00 per 100, $100.00 per 1,000. April, May and June delivery.

OWN ROOT ROSES.

From 2½ inch pots, repotted from 2 inch.
Kaiserin Augusta Victoria, Killarney, Bride, Bridesmaid, Ivory, Golden Gate, Uncle John, Richmond, Mme. Abel Chatenay, Aurora, $1.00 per doz., $6.00 per 100, $50.00 per 1,000.
From 2 inch pots ready for shipment, $3.50 per 100, $30.00 per 1,000.

CARNATIONS.—Rooted Cuttings.

	100	1,000
Winsor	$6.00	$50.00
Rose Pink Enchantress	3.50	30.00
Enchantress	2.50	20.00
Queen Louise	2.50	20.00

From 2¼ inch pots, add $1.00 per 100.
White Enchantress, 3 in. pots,, $7.00 per 100, $60.00 per 1,000.

MISCELLANEOUS PLANTS.

AGERATUM, Stella Gurney, Princess Pauline.
SALVIA Splendens, S. Bonfire.
HELIOTROPE.
Rooted cuttings 75c per 100, $6.00 per 1,000.

COLEUS.

Verschaffeltii, Golden Queen, Fire Brand, Lord Palmerston, Queen Victoria, Beckwith's Gem. Prices of Rooted Cuttings by express, 60c per 100; $5.00 per 1,000. Less than 250 of a variety will be charged at the 100 rate.
Golden Bedder, Hero, Messey, Pearl of Orange, 75c per 100, $6.00 per 1,000. Less than 250 of a variety will be charged at the 100 rate.
Fancy Varieties. A very fine assortment of twelve kinds not listed above; 75c per 100, $6.00 per 1,000. 250, in assortment, our selection, at the 1,000 rate.

ASPARAGUS PLUMOSUS NANUS SEEDLINGS.

From flats, $10.00 per 1,000.

CHRYSANTHEMUMS.

Ready for Shipment.
Virginia Poehlmann, Angele Laurent, Golden Dome, Mlle. Jeanne Rosette, Money Maker, from 2¼ in. pots, $2.00 per doz.; $10.00 per 100.
Mrs. Clay Frick, Zimmers Yellow, Mary Mann. From 2¼ in. pots, $1.00 per doz.; $6.00 per 100.
Rooted Cuttings, $5.00 per 100.
CHOICE POMPONS, Klondyke, Quinola.
CHOICE SINGLE VARIETIES, Kitty Bourne, Mrs. Roberts, Amorita.
From 2¼ in. pots, $1.00 per do.

STANDARD VARIETIES

WHITE—Early: George S. Kalb, Polly Rose, Early Snow, October Frost. Mid-Season: Clementine Touset, White Shaw, Mrs. H. Robinson, Beatrice May, Merza, Niveus, Queen, Alice Byron, Eureka, Miss Minnie Wanamaker, Adelia. Late. Mrs. McArthur, Timothy Eaton, W. H. Chadwick, Merry Christmas.
PINK—Early: Glory of the Pacific, Rosiere. Mid-Season: J. K. Shaw, Adelia, A. J. Balfour, William H. Duckham, Dr. Enguehard, Morton F. Plant. Late: Maud Dean, The Harriott, Mayor Weaver, Mrs. James Marshall.
YELLOW—Early: Monrovia. Mid-Season: G. Pitcher, Col. D. Appleton. Late: Major Bonnaffon, Golden Wedding, H. W. Reiman, Yellow Eaton.
RED—Cullingfordi, Merstham Red, Matchless.
BRONZE YELLOW—Mrs. William Duckham. Old Gold.
POMPONS—Baby (Yellow), Lulu (White), Briolas (Pink).
From 2¼ inch pots; 5c each, 50c per dozen, $3.00 per 100, $25.00 per 1,000.
Rooted Cuttings: $2.00 per 100, $15.00 per 1,000.

A. N. PIERSON, - Cromwell Conn.

60,000 Grafted Roses

	Per 100
Chatenay, Killarney, Richmond, Liberty, La France, in rose pots	$15.00
3½-inch pots	18.00
Bride, Bridesmaid, Golden Gate, Kaiserin, in rose pots	10.00
3½-inch pots	15.00

OWN ROOT ROSES.

3-inch pots..............................$7.00 and $9.00 per 100

Orders received for early delivery.

Send for circulars of **VERBENA** and **CARNATION CUTTINGS.**

J. L. DILLON, Bloomsburg, Pa.

PANSY PLANTS.

	Per 1000	100
Giant Flowering	$ 2.50	.50
Alternantheras, Red and Yel. Apl. 10.		2.00
Coleus, 2¼-in. pots, 10 varieties		2.00
Canna, C. Henderson, and eight other varieties, 3-in. pots, May 1st		3.50
Vinca, Variegated, 2¼-in. pots		2 50
Verbenas, April 15th		2.00

GERANIUMS.

	Per 100
4 varieties 3-in. pots, Apl. 1	$ 4.00
Double Petunias, Apl. 1	3.00
Asp. Plumosus, Apl. 1	2.00
Asp. Sprengeri, Apl. 1	2.00
Centaurea Gym. Apl. 15	2.00
Primroses, July 1st	2.00

—CASH—

JOS. H. CUNNINGHAM, Delaware, O.

CANNAS

Austria, Allemania, Alsace, Bouvier, Capt. Drugeon, C. Henderson, J. D. Eisele, Florence Vaughan Kate Gray, Pres. Viger, Pennsylvania, Pres Meyer, Souv. de Ant. Crozy, $2.50 per 100; $20.00 per 1000. David Harum, $4.00 per 100; $35.00 per 1000, Egandale (3-in. pots only). $5.00 per 100 King Humbert, the king of all Cannas an extra large stock from strong 4-in. pots, $25.00 per 100.

Boston Ferns, Scottii, Elegantissima and Whitmanii, we have many thousand to offer from 2¼- to 4-in. at rock bottom prices. Can offer special bargains in R. C. **Beacon Carnations.** Write us for special prices.

W. W. COLES, Kokomo, Ind.

NEW PLANTS

GLADIOLUS Lemoinei and Nancianus.

V. LEMOINE & SON, Nancy, France.

Catalogues on application.

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,

Successors to L. K. Peacock, Inc., ATCO, N. J

Gladioli....

Write for 1908 trade list of Named Varieties, Color Sections and Choice Mixtures. First-class stock at reasonable prices:

E. E. STEWART, RIVES JUNCTION, MICH.

Japan Iris

True to Name.

In any quantity, $40.00 per 1000; $5.50 per 100. Cash with order.

ROWEHL & GRANZ,

HICKSVILLE, L. I., N. Y.

San Francisco.

FLOWERS OVER PLENTIFUL.

The conditions of the market are, if anything, worse than at the last writing. Flowers of all kinds are a drug on the market and prices have been considerably lowered. The violet season is about over, but they are not missed very much as quite a variety of early garden flowers are coming in bloom. The weather during March has been quite warm and bright, which has had a tendency to bring everything forward. Lilies in many places will have to be kept cool, otherwise they will be in too early for Easter.

NOTES.

March 29 was Blossom day at Saratoga in the Santa Clara valley. Thousands of people availed themselves of the opportunity of cheap excursions from this city, to have an outing among the prune orchards which are now full of blossoms. Anyone who has never seen the Santa Clara valley cannot imagine the beautiful sight from the surrounding hills over the miles and miles of fruit trees as far as the eye can see, amongst which are scattered the handsome and prosperous looking residences of the owners.

T. Munroe has taken a five years' lease on the nursery of P. Cauhape, who is retiring from business on account of ill-health. Everybody is wishing Mr. Munroe much success in his new venture; he intends erecting some new greenhouses in the near future.

NEW CANNAS 1908

Rosea Gigantea. This beautiful variety has extra large flowers which are borne in such abundance that the mass of color on each plant is amazing. Single petals are 2½ inches across; color, a deep rich rose, almost a coral carmine. Plants make a vigorous growth, producing unusually fine clumps of green foliage. Height, 4 feet. (A great favorite with visitors to our trial grounds.) Strong plants, **$2.00** each, prepaid; **$18.00** per doz., by express, not prepaid.

Gladio-Flora. Remarkable for the unusual shape of the flowers which look like large Gladiolus. Petals are not long, but short and rounded and so wide they overlap each other, thus giving a very attractive appearance to the flowers. Color is crimson changing to carmine rose with an uneven edge of gold to each petal. Height, 3½ feet. Price, strong plants, **$2.00** each, prepaid; **$18.00** per doz., by express, not prepaid.

Meteor. Meteor is a vigorous grower with healthy green foliage. It is highly valued because of its magnificent flowers, fully four inches across, and abundance of bloom. Color is a deep crimson, very rich; each plant usually throws up five to six trusses of buds which continue blooming luxuriantly all summer through. Price, plants of dormant roots, **75c** each, postpaid; **$6.00** per doz., by express, not prepaid.

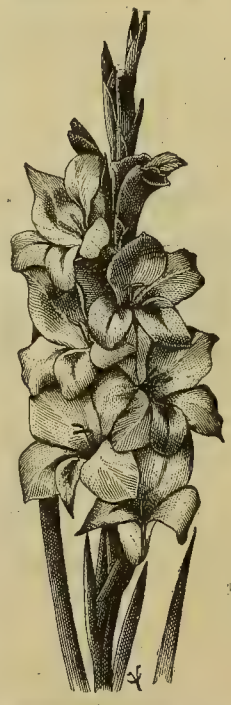
NEW CANNAS OF SPECIAL MERIT.

William Saunders. (1907) The flowers are large, of splendid form and are borne very freely in immense clusters. The color is a deep rich shining scarlet lightly dappled with crimson. Foliage is a rich bronze. Height, 3½ to 4 feet. We believe that Wm. Saunders is decidedly the most perfect Canna of this type that has been introduced. Those who tried Wm. Saunders in 1907 say it cannot be excelled. We offer plants only: **60c** each, postpaid; **$5.00** per doz., **$35.00** per 100, by express, not prepaid.

60 other varieties. Send for our list and prices.

The Conard & Jones Co.,

WEST GROVE, PENNSYLVANIA



Gladiolus

STRICTLY FIRST SIZE BULBS.

	Per 100	1000
Princeps, medium	$9.00	$
Mrs. Francis King, best scarlet for florists' use	4.00	30.00
America, fine pink	7.50	60.00
Augusta, pure white, blue anthers	2.00	17.00
Brenchleyensis, intense scarlet	1.45	12.00
Ceres, pure white, spotted purplish rose	1.45	12.50
May, pure white, flaked rosy crimson	1.75	15.00
"1900," a very rich shade of red	2.50	
Shakespeare, pure white, blotched pink and violet	4.25	38.00
Florist Mixture, made from named light and white varieties; comprises best there is in Gladiolus	1.75	15.00

VAUGHAN'S SEED STORE

CHICAGO. NEW YORK.

GLADIOLI

Madeira Vine,

Hyacinthus Candicans,

Spotted Calla,

Oxals, summer blooming, Cinnamon Vine Roots, German Iris, Delphinium Formosum, Lilies, etc.

—Write for Price List.—

E.S.MILLER, Wading River, N. Y.

FOR EASTER

Extra Fine Stock.

Giganteum Lily plants, Azaleas, Hydrangeas, Hybrid Roses, Spirea, etc.

Roses, Carnations, Violets and other seasonable flowers.

Also Wire Designs and Florists' Supplies.

Buffalo Cut Flower Co.

468 Washington St. BUFFALO, N. Y.

D. MacRorie, representing W. A. Manda, South Orange, N. J., has been here on his first trip to the coast. He reported large sales, especially in orchids.

R. Fotheringham, with the F. R. Pierson Co., Tarrytown, N. Y., is also in town on his annual trip, visiting his numerous customers and friends.

S. Clack, the well-known grower of Menlo Park, has leased the Fromenweiler place in Elmhurst, to which place he will remove about May 1.

Wm. Martin and wife, of Portland, Ore., were in town last week on a vacation; they have gone on to Los Angeles.

F. Aebi, of Berkeley, has leased his place to a Japanese firm that has taken charge of the nursery.

P.

ANN ARBOR, MICH.—A man weighing about 250 stepped into the greenhouse of G. Bischoff, and, with tears streaming down his cheeks, said that his sister had just died and he wanted some flowers. He ordered a bunch, the cost of which was $12. He handed the man a check for $18.50 and received the balance of $6.50 and was gone before the fact was discovered that the check had been forged.

LARGEST STOCK OF ALL

Belgian Plants

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

LOUIS VAN HOUTTE, PERE,
GHENT, BELGIUM.

Pot Lilies for Easter

2 to 3 buds 12c each; 4 to 8 buds, 10c each; violet pans, 20c each. Send for price list for Easter plants and cut flowers.

Crabb & Hunter Floral Co. GRAND RAPIDS, MICH.

Easter Lilies.

Yes! We've Got 'Em!

Fine Stock. Send Orders in Early.

Select.....$15.00 per 100
Medium..... 12 50 per 100

Write for prices on large quantities.

MIAMI FLORAL CO.
DAYTON, OHIO.

Last Call for Easter

Lilies	12½c
Large Hydrangeas	75c. $1.00, $1.50, $2.00 and $2.50
Spireas	25c. 35c and 50c
Roses	15c 25c and 35c up to $1.0.
Hyacinths	4-in., $10 00; 5-in., $25.00
Tulips	5 in., $20 00
Cinerarias	4-in., $15.00; 5-in., $25 00
Obconica	3-in., $8.00; 4-in., $12.50

VINES.

Write us your wants in Vincas Cobeas Moonvines, German Ivy English Ivy, Boston Ivy.

Look over last week's issue for Soft Wooded Plants. We can interest you.

Special in King Humbert Cannas.

3-in., at $10.00; 4-in., at $12.50.

10 other varieties in 3-in., $5.00; 3½ in., $8.00
Best red and yellow varieties.
A large lot of mixed red and yellow bulbs at $10.00 per 1000 eyes.

WRITE

GEO. A. KUHL, Pekin, Ill.

PREPARE FOR EASTER

Have **Lilies** to burn, the best in the land, the best in the land, the best in the land. **Azaleas,** in finest colors, to beat the band, to beat the band, to beat the band.

Our immense stock of choice Easter plants, blooming Easter week or earlier if desired are now ready for immediate shipment.

No dull times at Aschmann's. Come and see our BIG RUSH in shipping **Azalea Indica, etc** Why? No wonder! Our **Azaleas** are of first-class No. 1 stock.

We make a specialty of importing every year an immense choice stock of this so well favored Easter plant.

Azalea Indica. We make a specialty of importing every year an immense stock of the choicest varieties popular in America, grown under contract for us by an Azalea specialist in Ghent, Belgium. If you need Azaleas, don't look around in vain all over the country for bargains, but come or write direct to us. We will be able to supply you with the best obtainable in the American market; full of buds; in good, healthy condition, right for Easter; all planted in October or November in 6 to 7 in. pots.

☞ **Take Notice.** We do not sell Azaleas in the fall, having the best picked out (and having the rubbish left for Easter), but we keep them all full of buds for our customers for Easter. Mme. Van der Cruyssen (2,500 of them), this is the best double pink variety known to the market, round as an apple, covered with buds; Bernard Andreas Alba (dbl. white), $1.00, $1.25, $1.50 to $2.00; Simon Mardner (dbl. pink), Vervæneana (variegated dbl. rose), Niobe (dbl. white), Deutsche Perle (dbl. white), Empress of India (dbl. variegated), Apollo (beautiful red), Professor Wolters, and about six more varieties. Price: 6-7-in. pots 60c, 75c, $1.00, $1.25, $1.50, $1.75 to $2.00 each.

Come on! Mail your orders direct to headquarters. Our reputation over the entire country, from the Atlantic to the Pacific, in growing Easter plants for the wholesale market, for the last fifteen years, ought to be sufficient guarantee as to the truth of what we say and advertise. Be wise. Never mind about that nonsense—hard times talk! ☞ Look for a big Easter trade, which is sure to come. ☜ Secure your orders in time while we have plenty of stock. All our houses are full to their utmost capacity with the choicest plants in bud and bloom, just right for Easter or earlier if wanted.

Araucarias Robusta Compacta and **Glauca,** a perfect marvel and wonder of nature. We are one of the heaviest importers and cultivators of this beautiful decorative plant. Our plants are about the same in height as in width.

Robusta Compacta, 7 in. pots, specimen plants, 6-year-old, 5 tiers, 27 to 30 in. high, $2.00 to $2.50 each.

Excelsa Glauca, specimen 7-in. pots, 6-year-old (the fine bluish-green color makes or gives this variety a fine, striking appearance—sells at sight), 30 to 40 in. high, 4, 5 and 6 tiers, $1.50, $1.75, $2.00, $2.50 to $3.00 each.

Araucaria Excelsa, 6-in. pots, 4 to 5 years old, 20 to 25 in. high, 4,5 and 6 tiers. $1.00 each.

Choice Nephrolepis, all pot-grown.

Boston Ferns, 8-in., as big as a washtub. $1.25 to $1,50 each; 7-in., $1.00; 6-in., 50c; 5 to 5½-in., 35c to 40c.

Scotti Ferns, 7-in., $1.00 to $1.25; 6-in., 50c; 5½-in., 40c.

Whitmani Ferns, 4-in., 25c.

Piersoni Ferns, 5, 5½ to 6-in., 30c, 40c to 50c.

Neph. Amerpohli, the new lace fern, 5¼-in. pots, 50c to 60c.

Ferns for Dishes, 3-in., large, 7c,

Primula Obconica, 5¼-in., in bloom, $2.00 to $2.50 per doz,

Hyacinths, raised from first-class bulbs of our own importation. These hyacinths cannot be compared with the ordinary stock raised from cheap bulbs flooding the market. King of the Blues (dark), Grand Maitre (lavender blue), Gertrude (pink), La Grandesse (white), 4-in. pots, $12.00 per 100.

Tournesol Tulips, red and yellow variegated. This is the best selling double tulip on the market; it will stay in bloom and in good condition for ten days. Price: 3 bulbs planted in 4-in. pot, $1.50 per doz. pots, or $12.00 per 100.

Double Von Sion Daffodils, the best selling double yellow narcissus on the market; sells at sight; 3 double nosed bulbs planted in one pot. 5, 5½ to 6-in. pots, $2.00 to $2.50 per doz. pots. 10,000 now ready.

Ipomea Noctiflora, or pure white Moonflower, very fragrant, and big as a saucer. On this variety we have a world-wide reputation as a grower and shipper for the last twenty years. Price; 2½-in. pots, $5.00 per 100.

Begonia Improved Erfordii, 4-in pots, very large, $2.00 per doz.; 5¼-in., in bloom and bud, 25c each, or $3.00 per doz. **Begonia Flambeau,** 5½-in. pots, sells on sight, 25c.

If you would know the fairest sight your eyes can ever see,
Where the most perfect plants are grown, to Aschmann's come with me.
Why, ne'er since flowers began to bloom was such a glorious show
Of all the best that florists need found in one place to grow.
The Lilies are the very best yet seen on Easter day;
Azaleas are whole sheets of flowers, perfect in every way;
The Araucarias matchless are, so are the Ferns all green,
With Bulbs and Plumed Spirea, the best you've ever seen.
And Aschmann gives a challenge, let every florist hear;
For flowers, or prices either, no rival does he fear.
If you wish to gather dollars like violets in the spring,
Then send your largest order, his plants the cash will bring.

Ficus Elastica or **Rubber Plant,** home grown and Belgium stock, 5, 5½, 6 and 7 in. pots, 30c, 35c, 50c, 60c and 75c each.

Hydrangea Otaksa, 6 to 7 in pots, in bud, 35c, 50c, 75c and $1.00 each; right for Easter.

Spirea Gladstone. 6 to 7-in. pots, large stock, right for Easter in bud now, 50c to 75c; specimen, $1.00.

Dracena Bruanti, from Belgium, full of green foliage from bottom to top, 6-in. pots, 22 to 25 in. high, 40c each

Cineraria Hyb., finest strain in the market, 5-in., 20c each; 6-in., $3.00, $4 00 to $5.00 per doz.

Kentia Belmoreana and **Forsteriana,** Belgium and home-grown stock, 4-in. pots, 18 to 20 in. high, 35c; 5¼, 5½ and 6 in. pots, bushy plants, 50c and 60c each.

Hybrid Roses (budded European stock), 6-in. pots, 3 ft. high and over, such as Paul Neyron, Ulrich Brunner and Mrs. John Laing, 50c to 75c each.

Hermosa and **Baby Rambler Roses,** 5½ in. pots, 40c to 50c each.

White Daisies (or Marguerites). 5½-in. pots, 25c.

EASTER LILIES. Japan Multiflorum, of our own importation, raised from special 10-in. bulbs, 6-in. pots, right for Easter. This year I can say we have the finest lot we ever had. Have about 5,000 to offer. Please send your order in time this year, as we have such a big demand every year for Lilies that some cannot be supplied. They are 15 to 40 inches in height, and we can meet all wants if ordered before supply runs out. Prices as usual. Plants above 5 buds, 10c; plants under 5 buds, 12c per bud. (Medium height).

On account of the cultivation of lilies being no more profitable, kindly order some other plants also in connection with lilies.

Have **Azaleas** White Deutsche Perle and Vervæneana now in bloom if wanted, 60c, 75c to $1.00 each.

We Print No Catalogue. These are our lowest prices to all. Strictly no references will be investigated in busy season.

All goods must travel at purchaser's risk only. Cash with order, please. To save express charges, please mention if in or out of pots.

GODFREY ASCHMANN, 1012 West Ontario Street, **Philadelphia**
Importer, Wholesale Grower and Shipper of Pot Plants.

Minneapolis.

STOCK PLENTIFUL AND GOOD.

The weather turned out warm the past week, and stock is marching along pretty swiftly toward perfection for Easter. Everything in the line of cut flowers is plentiful, and first class. One of the department stores has been buying up carnations at low rates, and sending them out at a close margin on Saturday afternoons. It is to be hoped that the high prices around Easter will put a stop to this. The Greeks still hold their stock of roses and carnations and manage to move them at low prices.

NOTES.

The city workhouse is planning on building two greenhouses this summer 22x100 feet for the purpose of growing plants and early vegetables.

O. C. Swanson's customers have returned to the city, but aside from a few dinners, there is not much doing in the line of entertaining.

The Minneapolis Floral Co. is packing orders for country shipment. The azaleas here are particularly worthy of mention.

Jas. Souden Co. reports business very good and expects a good Easter trade.

Miss Whitted had a good week of funeral work.

Visitors: Miss L. O. Sullivan, Superior, Wis.; H. E. Philpott, Winnipeg, Man.; F. Kindler, St. Cloud; T. Kloss, and J. S. Jacobson, St. Peter. M.

ROOTED CUTTINGS. Prepaid per 100. Heliotrope German Ivy, 75c; Alternanthera 50c; Coleus, Ageratum, 60c; Salvia, 85c, Fuchsia, $1.00. Seedling **Verbena,** Mammoth mixed 35c per 100, prepaid. Cash. Special price on 1000. List Free.
SHIPPENSBURG FLORAL CO. Shippensburg, Pa.

PANSIES The Jennings Strain .....

Fine plants in bud and bloom, $1 00 per 100. Small plants, $4 00 per 1000; $7.00 per 2000. Cash with order.

E. B. JENNINGS,
Grower of the Finest Pansies,
Lock box 254, SOUTHPORT, CONN.

Whitmani Ferns....

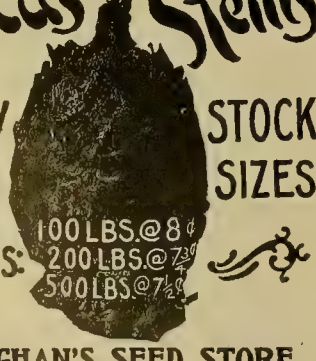
Good strong plants ready for a shift at bargain prices.

	Per 100	Per 1000
2 -inch at	$3.50	$30.00
2½-inch at	5.00	45.00

Ca h with order.

Randolph & McClements,
Baum and Beatty Sts.,
PITTSBURG, PA.

Cycas Stems



NEW STOCK
ALL SIZES
Prices:

VAUGHAN'S SEED STORE,
CHICAGO, 84-86 Randolph St.
NEW YORK, 14 Barclay St.

GERANIUMS.

A splendid stock of fine plants from 2-in. pots, good standard sorts and new varieties at $2.00 per 100 and up to $1.00 each. We will send 1000 in 20 good varieties our selection for $18.50. Our Special descriptive Geranium catalogue describing over 250 varieties of Geraniums and Pelargoniums mailed free to the trade.

PELARGONIUMS, In good variety, strong plants from 3-in. pots, $1.50 per doz., $6.00 per 100

HARDY CHRYSANTHEMUMS

Our collection of Hardy Chrysanthemums will compare favorably with any in the country, and we have an immense stock ready for shipment. Small flowered or Button varieties $2.00 per 100; large flowered or Aster type $3.00 per 100. Descriptions will be found in our wholesale list.

DAHLIA ROOTS. We still have about 75 varieties we can offer Cactus, Decorative, Show and Pompon true to name at $5.00 per 100 and up for whole field grown clumps. One thousand, 50 each of 20 varieties our selection, for $40.00 all good kinds a splendid collection for planting or just the thing for store trade.

	Per 100
Alyssum, Giant double	2.00
Ageratum, Stella Gurney	2 00
Begonia, Vernon White and Rose	2.00
" Gracilis White and Rose	2.00
Cuphea, Cigar plant	2.00
Coleus, Verschaffeltii, Golden Bedder, and other kinds	2 00
Fuchsias, Black Prince and Minnesota... Lieutenant Muritz, White and Rose Phenomenal	2.00 2.50
Hardy English Ivy, extra strong	$15.00 per 1000 2.00
Nymphea Odorata Gigantea, Water lily	3.50
Hollyhocks, strong 3-in. pot plants, dbl. white, pink, red and yellow	$3.00

	Per 100
Hardy Phlox,	2.00
Ivy Leaved Geraniums, 6 good kinds	$25.00 per 1000 $3.00
Lobelia, Crystal Palace Gem	2.00
Lobelia, Kathleen Mallard, 2-in	3.00
Lantanas, 5 varieties	2.00
Lavender, 2½-in. pots, strong	3.00
Panicum, Variegated, handsome basket plants	2.00
Swainsona alba	2.00
Salvia, Bonfire and Splendens	2.00
Tradescantia, dark variegated	2.00
Verbena red, white purple and pink	2.00
Rubber Plants, Ficus elastica, per doz	2.00

Visitors always welcome. Cash with order.

R. Vincent, Jr. & Sons Co., WHITE MARSH, Balto Co., MD.

SPECIAL OFFER

	Per 100	Per 1,000
Lilium Auratum 11 to 13,	$4.00	$35.00
Double Begonia Bulbs under color,	3.00	25.00

V. H. HALLOCK & SON,
QUEENS, NEW YORK.

Moon Vines

3 in. pots, 75c. per doz, $5.00 per 100.
2 in. pots, 50c. per doz., $3.00 per 100.

COLEUS Verschaffeltii and Golden Bedder, rooted Cuttings, $1.00 per 100. Fancy varieties **Coleus cuttings,** 75c. per 100.

Cash with order. No C. O. D. All shipments at risk of purchaser after being delivered to the express companies, prop erly packed in good order. Address,

HILLSIDE CEMETERY CO.,
ROSLYN P. O. MONTY. CO., PA.

For Immediate Delivery.

Geraniums, strong 3½- and 4-in. $5.00 per 100; $45.00 per 1000. Strong 3-in. $4.00 per 100; $35.00 per 1000. Rose, D. Grant, Nutt, Buchner Castellane, Poitevine, etc.

Petunias, Dreer's single fringed. **M. Verbenas, Lobelia,** trailing, **German Ivy,** heavy, 3-in. $3.00 per 100, $25.00 per 1000.

Vinca variegata, bushy, 3½- and 4-in. $60.00 per 1000.

Salvia, Bonfire and Spl., **Lobelia,** trailing and compacta, **Ageratum,** blue, **M. Verbenas, Coleus,** 12 varieties, strong, 2-in. $1.75 per 100, $15.00 per 1000. Cash.

WM. S. HERZOG, MORRIS PLAINS N. J.

Sprengeri, 2-in, 2c **Swainsona alba,** 2-in., 2c, **Heliotrope,** 2-in, 2c, **Feverfew,** 2-in, 2c. **Coleus,** 2-in, 2c. **White Ageratum,** 2½-in, 2c. **Feverfew,** nice young plants, 75c per 100, single **Hollyhock,** field, $2.50 per 100, 2-in. **Stock** 2c. Stock **Princess Alice, Cuphea, Impatiens, Alternanthera,** red and yellow, **Rose Geraniums, Vinca Variegata, Fuchsia, Artillery Plant,** 2-in, 2c. **Asters,** earliest 3 colors 40c per 100 **Forget-me-nots** and **Double Daisies,** $2.50 per 1000.

Rooted Cuttings prepaid per 100: **Flowering Begonias,** $1.25 per 100; **Paris Daisies,** yellow and white, $1.00 per 100; Alexandra $1.25' **Petunia,** double, 10 kinds $1.00; **Swainsona Alba,** $1.00, **Cuphea,** 75c. **Heliotrope,** 3 kinds $1.00, **Fuchsia,** 5 kinds, $1.25. **Vinca Variegata,** 90c. **Alternanthera,** 3 kinds, 50c. **Coleus,** 10 kinds, **Ageratum,** White. Inimitable, 60c. **Alyssum,** dbl., 75c. **Salvia,** Bonfire, 90c. **Feverfew,** Gem, $1.00. **Parlor Ivy,** 75c. **Impatiens,** 3 kinds, $1.00,

Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

NEW VIOLET BOSTON.

In introducing this new variety to the trade I wish to state that I have been growing it in quantity for the past two years and do not hesitate to state that it is entirely distinct, a strong grower, a free bloomer and the finest single violet in cultivation. Ready for distribution in April and May. Orders booked now. **$2.00** per doz.; **$12.00** per 100; **$100.00** per 1000. 500 at 1000 rates.

WILLIAM SIM, Cliftondale, Mass.

SALVIA ZURICH.

The Ever-Blooming Salvia.

Propagation from carefully selected stock; absolutely true and of even type 2-in. $1.00 for 25 $3.00 for 100; $25.00 for 1000. Rooted cuttings $1.75, for 100; $15.00 per 1000.

J. L. Schiller, 929 Prouty Avenue TOLEDO, O.

Rooted Cuttings	Per 100	Per 1000
Coleus, plenty of variety	$ .70	$ 6.00
Heliotrope, Salvias,	1.00	8.00
Petunias, double	1.25	10.00
Alyssum, double	1.00	8.00
Ageratums,	.60	5.00
Pelargoniums,	2 50	

Everything named. Express paid. Cash with order

S D. BRANT, The Clay Center Florist, CLAY CENTER, KAS.

Always mention The American Florist when you order stock. : : : :

BEDDING STOCK

All kinds in Standard Varieties.

FERNS

Boston, Piersoni
Elegantissima
Scotti & Whitmanii
Well grown stock in all sizes.

100,000 Horse Radish Sets at a bargain.

PERENNIALS

Shasta Daisies
Gaillardia, Coreopsis
Myosotis, Hardy Pinks, Etc.
Seedlings, transplanted stock and field grown clumps.

CANNAS

All leading varieties in dormant roots
Started and Pot Plants.

All fine stock at low prices. Send for descriptive list. See classified lists for prices.

MOSBAEK GREENHOUSE CO., Onarga, Ill.

A FEW GOOD THINGS YOU WANT.

Asparagus Sprengerl. 2-in., $2.50 per 100; 3-in. $5.00 per 100. Seedlings, $1.00 per 100.
Geraniums, Nutt, Doyle, Perkins Ricard, Grant, La Favorite, R. C., $1.25; 2-in. pots, $2.00; 3 in., $4.00 per 100; Trego Viaud, Castellane, Poitevine, Jaulin, R. C. $1.50; 2-in. pots, $2.50; 3-in., $5.00 per 100. Mme. Salleroi. 2-in. $3.00 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100; 3-in., $5.00 per 100.
Boston Ferns, 5-in., 30c each.
Vinca Var., 2-inch, $2.00 per 100.
Dracena Indivisa, 2-in. $3.00 per 100.
Gladiolus Bulbs, light colors, $1.00 per 100.
Rex Begonia, $5.00 per 100.
Coleus, Cigar Plant, Verbena, Heliotrope, Scarlet Sage, Bonfire, Alternanthera, red and yellow, 2-in. pots, $2.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the express companies properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

Stock YOU NEED NOW.

BEGONIAS.

Marjorie Daw, Thurstoni, Metallica, Rubra and Argentea Guttata,..... $4.00 per 100

Dahlias. (Field-grown roots.) Wm. Agnew, Countess of Lonsdale, Nymphæa, Mrs. Wellesley, Admiral Dewey, A. D. Livoni and Fern Leaf Beauty..... $5.00 per 100
Grand Duke Alexis and Kriemhilde..... 7.00 per 100

Boston Ferns. Plants well established, in 2½-inch pots $4.00 per 100; $30.00 per 1000.

Bougainvillea Glabra Sanderiana.

2½-inch.....$4.00 per 100

Kentia Belmoreana.

2½-inch pots.....$ 9.00 per 100
2½-inch pots.... 80.00 per 1000
3 inch pots..... 14.00 per 100
4 inch pots..... 30.00 per 100
5-inch pots..... 50.00 per 100

Clean, Cool-grown, Extra Value.

ROSES.

For out door planting or growing in pots, strong 2½-in. pot plants—Clothilde Soupert, Hermosa, Baby Rambler, Maman Cochet, White Maman Cochet, $3.00 per 100; $25.00 per 1000.

Caladium Esculentum 5 to 7 inch $2.00, 7 to 9 inch $3.00, 9 to 11 inch $6.00.

Violets. Princess of Wales, thrifty plants from 2½-in. pots..... $3.00 per 100
Hardy English (double purple)..... 3.00 per 100

Pandanus Utilis. Fine young stock for immediate sale or growing on,
2½-inch.....$ 6.00 per 100
3-inch.....$8.00 per 100 4 inch..... 12.00 per 100

Latania Borbonica. 3-inch pots, $6.50 per 100; 6-inch pots, 5 to 6 leaves, 15 to 18 inches high.....60c each

Chrysanthemums. Early flowering varieties, ready now, from 2-in. pots, William Simpson, Glory of Pacific, Polly Rose Monrovia, Omega, $2.50 per 100. Rosiere, $3.00 per 100.

GERANIUMS.

Standard Geraniums, our choice of varieties, in pink, red and white.....$2.00 per 100

CANNAS.

Strong 2 and 3 eye divisions. Allemania, Austria, Chas. Henderson, Fair Hope, Progression, Shenandoah, $2.00 per 100; $17.00 per 1000
Beaute Poitevine, Crimson Bedder, Egandale, Florence Vaughan, Papa Nardy,..... .....$3.00 per 100; $25.00 per 1000
King Humbert.....$10.00 per 100

THE STORRS & HARRISON CO., Painesville, Ohio

Alternantheras.

Strong rooted cuttings. P. Major (red), A. Nana (yellow). 50c per 100; $4.00 per 1000.
Coleus, 60c per 100; $5.00 per 1000.

J. W. Davis & Co.
2900 Brady St., Davenport, Iowa.

Alternantheras.

Strong rooted cuttings, red and yellow, 50c per 100, or $4.00 per 1000.

DAVIS BROS., Morrison, Ill.

For Best Results

Advertisers should mail new advertisemrts and changes so as to reach us on Mondays.

HANCOCK, MICH.—A. M. Yorks' daughter, who was operated on for hip disease in Toronto, is doing well now. Business is good, with an abundant supply. The cheap price of glass tempted Mr. York to build another house.

QUINCY, MASS.—James W. Rideout died, March 30, at his home, 65 Payne street, aged 74 years. Mr. Rideout had a florist's business in Boston, but was burnt out in the big fire of 1872 when he went into the shoe trade and retired some 15 years ago.

UTICA, N. Y.—The annual meeting of the Florists' Club was held at the greenhouses of Dr. W. A. Rowlands in Whitesboro. The officers of the club were renominated. The annual clambake was much enjoyed, followed by a paper on carnation culture read by A. J. Watkins. An orchestra furnished music.

DAILY AUCTIONS
EVERY MORNING AT 9 O'CLOCK

We Offer Without Reserve

Palms, Bedding and Decorative Plants, Bulbs, Etc., Etc.

FROM LEADING GROWERS AND IMPORTERS.

In lots to suit the wholesale trade

TERMS CASH

NOTE:—Special preparations have been made to handle exceptional quantities of **EASTER PLANTS**, and the trade is hereby advised that our methods and facilities provide for **prompt delivery.**

CATALOGUES ON DAY OF SALE

THE FRUIT AUCTION CO.

Corner Franklin and Washington Streets

P. O. Box 640. **NEW YORK CITY** **Telephone 1512 Franklin.**

British Horticulture.

FROM THE BRITISH TRADE PAPERS.

SINGLE CHRYSANTHEMUMS. — Wherever chrysanthemums are grown with a view to providing flowers for cutting, no one can afford to altogether ignore the single varieties. I know that in some quarters, immediately single chrysanthemums are mentioned comparisons are made between them and the Japanese or incurved sorts, but it is unfair to make comparisons between blossoms so entirely different in character, all of which have special claims to beauty. Of all the sections, however, the singles are the daintiest, and whether they are grown with eight or ten blooms in a cluster, or as some do (which, I think, is a mistake), disbudded to two or three, they are very elegant when cut and arranged with foliage in a basket or vase. Some of the colors are pronounced, whilst others possess soft shades. Especially is this so in the pinks and sulphurs, which harmonize so well with the decorations of many rooms. Some fail to appreciate the single sorts at all; others have not given them a fair trial, but I venture to think that many who have become somewhat tired of growing sorts for the sake of just a few blooms will be more than compensated by the beauty of these moderately-sized flowers.

ARABIS ALBIDA COMPACTA.—Much more compact in its growth than any of the other varieties of either Arabis albida or A. alpina, this variety will be found exceedingly helpful in all places where spring flowers are in request, and where sheets or lines of white flowers are desired. It comes remarkably true from seed, which can be obtained from some of the seedsmen, and it can thus soon be raised in quantity. As already said, it is more compact than the other varieties, and this neatness is not gained at the sacrifice of its flowering properties, for it is, in reality, more free in flower than any other varjety that I know. Its dwarf, densely foliaged clumps are entirely covered with its single white flowers, and a little group or a good sized individual plant is of great beauty. As an edging for a large bed or border it is excellent, but it is even more suitable for the center of a bed, edged with an early aubrietia or with such flowers as muscaris, Chionodoxa Sardensis, or Scilla bifolia.

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Orange, N. J.

The regular monthly meeting of the New Jersey Floricultural Society was held at the society's room April 3. A cash prize offered by W. A. Manda at the last meeting for the best flowering plant and divided into three by the committee attracted a display of seasonable flowers at this meeting. The awards were to Wm. Reid, gardener to Sydney and Arthur Colgate, first, for a specimen anthurium of large size and finished culture. Popkin and Collins, second, for a standard white lilac; John Derwin, gardener to A. C. Van Gaasbeck, third, for specimen Cineraria stellata. Lager & Hurrell, of Summit, contributed a table of orchids and Thomas Jones of Short Hills one of hyacinths in pots, to the miscellaneous display. Upon an intelligent demonstration and invitation to the new American Orchid Society by Henry Hurrell, a unanimous resolution of good wishes was passed for the success of the undertaking. George Johnston was elected to membership. J. B. D.

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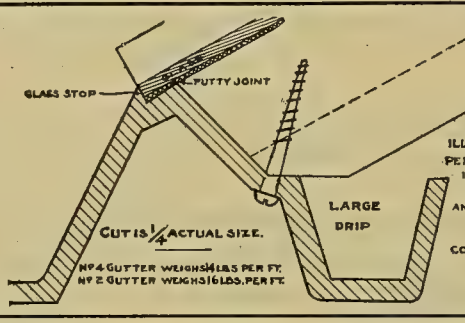

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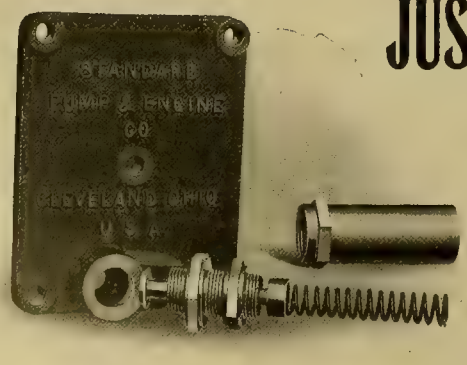

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Bulbs, hyacinths, tulips, narcissus, crocus, spiræas, gladiolus. Van Zanten Bros., Hillegom, Holland.

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CALADIUM ESCULENTUM (Elephant Ears). The king of foliage plants. The bulbs are ready sellers at good profits, both for florists and store trade. Our bulbs are first-class. Price low:

	Per 100	Per 1,000
5 to 7-inch bulbs	$1.50	$12.00
7 to 9-inch bulbs	2.25	20.00
9 to 11-inch bulbs	3.75	34.00
11 inches and over	6.50	60.00

Prices include packing and delivery on cars here.

T. W. WOOD & SONS,
Seedsmen. Richmond, Va.

Caladiums, 5-7 ins., $2 per 100; $15 per 1,000; 7-9, $3.50 per 100; $32 per 1,000; 9-12, $6 per 100; $55 per 1,000; 12 ins. and up, $14 per 100. Winterson's Seed Store, 45 Wabash Ave., Chicago.

Caladiums (elephant's ear), 7-9 inch, $3.50 per 100; $32 per 1,000; 9-12, $6 per 100; $55 per 1,000; 12 ins., $14 per 100. Vaughan's Seed Store, Chicago and New York.

Caladium esculentum, 5-7 ins., $2; 7-9, $3. 9-11, $6. Storrs & Harrison Co., Painesville, O.

CANNAS.

Cannas, Austria, Allemania, Alsace, Bouvier, Capt. Drugeon, C. Henderson, J. D. Eisele, F. Vaughan, Kate Gray, Pres. Viger, Pennsylvania, Pres. Myer, Souv. de A. Crozy, $2.50 per 100; $20 per 1,000; David Harum, $4 per 100, $35 per 1,000. Egandale (3-in. pots only) $5 per 100. King Humbert, 4-in., $25 per 100. W. W. Coles, Kokomo, Ind.

Cannas, Rosea Gigantea, strong plants, $2 each, prepaid; $18 per doz. Gladio-Flora, $2 each, prepaid; $18 per doz. Meteor, plants or dormant roots, 75c each, prepaid; $6 per doz. William Saunders, plants, 60c each, prepaid; $5 per doz.; $35 per 100. Conard & Jones Co., West Grove, Pa.

Cannas, 2 and 3-eye divisions, Allemania, Austria, Chas. Henderson, Fair Hope, Progression, Shenandoah, $2 per 100; $17 per 1,000. Beaute Poitevine, Crimson Bedder, Egandale, F. Vaughan, Papa Nardy, $3 per 100; $25 per 1,000. King Humbert, $10 per 100. Storrs & Harrison Co., Painesville, O.

Cannas, King Humbert, 3-in., $10; 4-in., $12.50: 10 other vars., 3-in., $5. 3½-in., $8. Best red and yellow, mixed bulbs, $10 per 1,000 eyes. Geo. A. Kuhl, Pekin, Ill.

Cannas, Black Beauty, Egandale, Antoine Bouvier, Burbank, Kate Gray, $3 per 100. Buffalo Cut Flower Co., 468 Washington St., Buffalo, N. Y.

Cannas. J. M. Thorburn & Co., 33 Barclay St., New York.

Cannas, leading vars., $10 per 1,000 up. Dingee & Conard Co., West Grove, Pa.

Cannas, Chas. Henderson, $2 per 100. Jos. H. Cunningham, Delaware, O.

CARNATIONS.

Carnations, rooted cuttings, Afterglow, Andrew Carnegie, Defiance, Sarah Hill, Winona, $12 per 100; $100 per 1,000. White Enchantress, $6 per 100; $55 per 1,000. Lady Bountiful, Victory, Robt. Craig, Enchantress, $3 per 100; $25 per 1,000. Aristocrat, Winsor, $6 per 100; $45 per 1,000. Red Chief, Red Riding Hood, $5 per 100; $40 per 1,000. Pink Patten, Mrs. Patten, $2.50 per 100, $20 per 1,000. Mrs. T. W. Lawson, Prosperity, $2 per 100; $15 per 1,000. Rose Pink Enchantress, $4 per 100; $30 per 1,000. Vaughan's Seed Store, Chicago and New York.

Carnation Beacon, R. C. W. W. Coles, Kokomo, Ind.

If you do not find what you need in our Ready Reference Department, write us about it.

CARNATIONS.

	100	1,000
Enchantress	$2.50	$20.00
Lawson	2.00	15.00
Robt. Craig	2.50	20.00
W. Cloud	1.50	10.00
W. Lawson	2.00	15.00
Nelson Fisher	2.50	20.00

WIETOR BROS., 51 Wabash Ave., Chicago.

Carnations, Lawson, $1.50 per 100; $12.50 per 1,000. Winsor, $5 per 100; $40 per 1,000. Rose Pink Enchantress, $3 per 100; $25 per 1,000. Enchantress, White Lawson, Lady Bountiful, $2 per 100; $15 per 1,000. B. Market, $1.25 per 100; $10 per 1,000. Beacon, $5 per 100; $40 per 1,000. Robt. Craig, $2.50 per 100; $20 per 1,000. Cardinal, $2 per 100; $17.50 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Carnations. Fine plants from soil, topped and breaks started. Winsor, $50 per 1,000. White Lawson, $20 per 1,000. Rooted cuttings ready, per 1,000: White Enchantress, $45. Red Nelson Fisher, $45. Beacon, $45. Aristocrat, $45. Rose Pink Enchantress, $25. White Perfection, $25. Winsor, $40. A. C. Canfield, Springfield, Ill.

Carnations, Winsor, Helen Gould, Beacon, $6 per 100; $50 per 1,000. White Enchantress, $7 per 100; $60 per 1,000. Melody, Victory, $4 per 100. Enchantress, Lady Bountiful, Red Lawson, V. Lawson, W. Lawson, Daheim, $3 per 100; $25 per 1,000. Mrs. Lawson, B. Market, $2 per 100; $15 per 1,000. Wood Bros, Fishkill, N. Y.

Carnations, R. C., Winsor, White Enchantress, Beacon, $5 per 100; $45 per 1,000. Rose Pink Enchantress, Enchantress, $2.50 per 100. Aristocrat, 2½-in., $6 per 100. Maybelle, Victory, Enchantress, White Lawson, Var. Lawson, 2 and 2½-in., $3 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

Carnations: Enchantress, $1.75 per 100; $15 per 1,000. Mrs. T. W. Lawson, Boston Market, $1.50 per 100; $12 per 1,000. Rose Pink Enchantress, White Perfection, $3 per 100; $25 per 1,000. White Enchantress, Winsor, Beacon, Aristocrat, $6 per 100; $50 per 1,000. Harlowarden, $1.50 per 100; $12.50 per 1,000. A. F. Longren, Des Plaines, Ill.

Carnations, Winona, $12 per 100; $100 per 1,000. Red Chief, $5 per 100; $40 per 1,000. Aristocrat, Winsor, Beacon, $6 per 100; $50 per 1,000. White Perfection, Rose Pink Enchantress, Enchantress, Lady Bountiful, $3 per 100; $25 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, Sarah Hill, 2-in., $7.50; 3-in., $12.50. Lawson, Enchantress, 2-in., $7.50; 3-in., $12.50. White Lawson, Enchantress, Red Lawson, Cardinal, 2-in., $5. Pink Lawson, B. Market, Queen, 2-in., $3.50. Geo. A. Kuhl, Pekin, Ill.

Carnations. Winsor, Aristocrat, $6 per 100; $50 per 1,000. Victory, $3 per 100; $25 per 1,000. Enchantress, $2 per 100; $20 per 1,000. Lawson, $1.75 per 100; $15 per 1,000. White Lawson, $2 per 100; $18 per 1,000. E. T. Wanzer, Wheaton, Ill.

Carnations, Enchantress, Lady Bountiful, $2.50 per 100; $20 per 1,000. Rose Pink Enchantress, $3 per 100; $25 per 1,000. White Perfection, $4 per 100; $35 per 1,000. Queen, $2 per 100; $15 per 1,000. Bassett & Washburn, 76 Wabash Ave., Chicago.

Carnations, Winsor, $6 per 100; $50 per 1,000. Rose Pink Enchantress, $3.50 per 100; $30 per 1,000. Enchantress, Queen Louise, $2.50 per 100; $20 per 1,000; from 2¼-in., add $1 per 100. White Enchantress, 3-in., $7 per 100; $60 per 1,000. A. N. Pierson, Cromwell, Conn.

Carnations, April 14: Winsor, Beacon, $40 per 1,000. Pink Imperial, Aristocrat, $30 per 1,000. Enchantress, J. Haines, $12.50 per 1,000. White Perfection, $20 per 1,000. Pink Patten, $10 per 1,000. Victory, $20 per 1,000. A. M. Herr, Lancaster, Pa.

Carnations. Beacon, Winsor, $6 per 100; $50 per 1,000. White Perfection, Rose Enchantress, $4 per 100; $35 per 1,000. Enchantress, $3 100; $25 per 1,000. Peter Fisher, Ellis, Mass.

Carnations, Pure White Enchantress, strong, healthy, well rooted cuttings, $6 per 100; $50 per 1,000. Satisfaction guaranteed. A. J. Stahelin, Redford, Mich.

Carnations, Aristocrat, Winsor, $5 per 100; W. Perfection, $2.75; Enchantress, Lady Bountiful, $2; Victory, $2.75; Rose Pink Enchantress, $2.75. Perennial Gardens Co., Toledo, O.

Carnations, Victory, Imperial, Pink Imperial, Aristocrat, Winsor, Welcome, White Perfection, Lieut. Peary, Rose Pink Enchantress, Guttman & Weber, 42 W. 28th St., New York.

Carnations, Winsor, 2½-in., $6 per 100; $50 per 1,000. White Perfection, R. C., $3 per 100; $25 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, John E. Haines, Imperial and Pink Imperial, Enchantress, $6 per 100; $50 per 1,000. John E. Haines, Bethlehem, Pa.

Carnation White Enchantress, $6 per 100; $50 per 1,000. Jensen & Dekema, 674 W. Foster Ave., Chicago.

Carnations, Andrew Carnegie, $12 per 100; $100 per 1,000. Aristocrat, $6 per 100; $50 per 1,000. Chicago Carnation Co., Joliet, Ill.

Carnations. E. G. Hill Co., Richmond, Ind.

Carnation Afterglow, $2 per doz.; $12 per 100; $100 per 1,000. R. Witterstaetter, Sta. F., Cincinnati, O.

Carnations, Enchantress, $2 per 100; $18 per 1,000. Pettit & Sharpnack, Salem, O.

CHRYSANTHEMUMS.

CHRYSANTHEMUMS.
10 per cent off for Cash. In effect April 5th.

	R. C. per 100	R. C. per 1000	2½-in. per 100	2½-in. per 1000
WHITE				
Virginia Poehlmann	$10.00	$80.00	$12.00	$100.00
Robinson	2.00	17.50	2.50	22.00
Kalb	2.00	17.50	2.50	22.00
Eaton Timothy	2.50	22.00	3.00	27.50
Alice Byron	2.50	22.00	3.00	27.50
Clementine Touset	3.00	25.00	4.00	35.00
Chadwick	3.00	25.00	4.00	35.00
White Bonnafon	2.50	22.00	3.00	27.50
Merry Christmas	2.00	20.00	2.50	22.00
October Frost	5.00	.....	6.00	.....
YELLOW				
Col. Appleton	2.50	22.00	3.00	27.50
Major Bonnafon	2.00	17.50	2.50	22.50
Golden Wedding	3.00	25.00	4.00	35.00
Yellow Eaton	2.50	22.00	3.00	27.50
Halliday	2.50	22.00	3.00	27.50
Golden Chadwick	3.00	25.00	4.00	35.00
Monrovia	3.00	.....	4.00	.....
PINK				
McNiece	2.50	22.50	3.50	30.00
Maud Dean	2.50	22.50	3.50	30.00
Dr. Enguehard	2.50	22.50	3.50	30.00
Rosiere	2.50	22.50	3.50	30.00
RED				
Intensity	2.00	.....	3.00	.....
Schrimpton	3.00	.....	4.00	.....

POEHLMANN BROS. CO.,
Morton Grove, Ill.

Chrysanthemums, Virginia Poehlmann, Angele Laurent, Golden Dome, Mlle. Jeanne Rosette, Money Maker, 2¼-in., $2 per doz.; $10 per 100. Mrs. Clay Frick, Zimmers Yellow, Mary Mann, 2¼-in., $1 per doz.; $6 per 100; R. C., $5 per 100. Pompons, Klondyke, Quinola, choice single vars., Kitty Bourne, Mrs. Roberts. Amorita, 2¼-in., $1 per doz. Standard varieties: Kalb, Polly Rose, Early Snow, Oct. Frost, C. Touset, White Shaw, Robinson, Beatrice May, Merza, Niveus, Queen, Byron, Eureka, Wanamaker, Adelia, Mrs. McArthur, T. Eaton, Chadwick, Merry Christmas, Glory of Pacific, Rosiere, Shaw, Balfour, Duckham, Enguehard, M. F. Plant, Maud Dean, The Harriott, Mayor Weaver, Mrs. J. Marshall, Monrovia, G. Pitcher, Appleton, Bonnaffon, Golden Wedding, H. W. Rieman, Yellow Eaton, Cullingfordi, Merstham Red, Matchless, Mrs. Duckham, Old Gold. Pompons: Baby, Lulu, Briolas, 2¼-in., 5c each; 50c per doz.; $3 per 100; $25 per 1,000; R. C., $2 per 100; $15 per 1,000. A. N. Pierson, Cromwell, Conn.

Chrysanthemums, Beatrice May, R. C., $4; plants, $6 per 100. C. Touset, Ivory, Mme. Castellier, A. Byron, Opah, Oct. Frost, Polly Rose, Geo. S. Kalb, Amorita, Pacific, Rosiere, Carrie, Monrovia, Arline, M. Wanamaker, Mrs. Robinson, Mrs. Buckbee, Niveus, T. Eaton, Mrs. Swinburne, Dr. Enguehard, Mayor Weaver, Wm. Duckham, Appleton, Bonnaffon, Roi d'Italia, Yel. Eaton, T. Carrington, Nounier, W. H. Lincoln, Maud Dean, Brighthurst, Mrs. Murdock, R. C., $2; plants, $3 per 100. Pres. Loubet, Mrs. A. T. Miller, Dakoma, Crocus, R. C., $4; plants, $6 per 100. Alice Roosevelt, Silver Wedding, Fidelity, Comoleta, M. Liger, V. Morel, Golden Wedding, Sunburst, Golden Chadwick, Ialene, Jno. Burton, J. Nonin, W. H. Chadwick, Yanoma, Red Intensity, R. C., $3; plants, $4 per 100. Pres. Roosevelt, R. C., $8; plants, $10. Winnefred, R. C., $6; plants, $8. Jeanne Rosette, R. C., $8; plants, $10. Elmer D. Smith & Co., Adrian, Mich.

CHRYSANTHEMUMS.
Strong, healthy, well rooted cuttings of Brutus, Roserie, Geo. S. Kalb, G. of Pacific, Cobbold, Halliday, Duckham (pink), Nellie Pockett, Appleton, Parr, Ben Wells, White and Pink Ivory, A. J. Balfour, Jeannie Nonin, White and Yellow Bonnafon, Roi de Italie, P. Plumridge, Minnie Bailey, W. B. Chamberlain, John K. Shaw, Edgar Saunders, Dr. Enguehard, Mrs. Weeks, Merza, Robinson, Willowbrook, C. Tousset, Gen. Maceo, $1.50 per 100; 2-in. plants $2 per 100. October Frost, White and Golden Chadwick, White and Yellow Jones, White and Yellow Eaton, cuttings, $2 per 100; pot plants, $2.50 per 100. Golden Dome, $1 per doz.; $8 per 100. James Hamilton, Mt. Washington, Maryland.

CHRYSANTHEMUMS.

White.	Per 100		
		Black Hawk	2.00
Oct. Frost	$3.00	Pink.	Per 100
Estelle	2.00	Monogram	2.00
Polly Rose	2.00	Lady Hariett	3.00
Robinson	2.00	Balfour	2.50
Merry Xmas	2.00	Mary Mann	2.00
Yanoma	2.50	Mrs. Perrin	2.00
A. Byron	2.50	Dr. Enguehard	2.00
W. H. Chadwick	3.00	Maud Dean	2.00
T. Eaton	3.00	Yellow	
C. Touset	2.00	Appleton	$2.00
Beatrice May	3.00	Golden Beauty	3.00
Kalb	2.00	Golden Wedding	2.50
W. Bonnaffon	2.00	Oct. Sunshine	2.00
Wanamaker	2.00	Chas. Cronin	2.00
Red		Maj. Bonnaffon	2.00
Intensity	2.00	Y. Eaton	3.00

WIETOR BROS., 51 Wabash Ave., Chicago.

Chrysanthemums, rooted cuttings: White, Timothy Eaton, Mrs. Geo. S. Kalb, fine early; Estelle, White Bonnaffon, Alice Byron, Ivory, C. Touset, Jeannie Nonin, October Frost. Pink: Glory of the Pacific, Mary Mann, Dr. Enguehard, Maud Dean, Rosiere. Yellow: Major Bonnaffon, Yellow Eaton, Cremo, Robt. Halliday. Yellow Jones "Baby" small yellow, $2 per 100; $15 per 1,000. Cash with order. Wm. Swayne, P. O. Box 226, Kennett Square, Pa.

Chrysanthemums. The following are the very best and surest varieties for the southern commercial florist: White and Yellow Robinson, White and Yellow Jones, White and Yellow Eaton, White and Yellow Chadwick, Touset, Ivory, White Bonnaffon, Golden Gate, Appleton and Nonin. We can supply these for May delivery or early June planting, established pot plants, at $2 per 100. Chatogue Greenhouses, Mobile, Ala.

MUM CUTTINGS. The big money makers: Beatrice May, C. Touset, Adelia, Oct. Frost, and Jeanne Nonin, fine stock, only $1.50 per 100; strong from soil, $2.50 per 100. Not more than 25 per cent Beatrice May in any order at above price. W. J. Olds, Union City, Pa.

Chrysanthemums, Monrovia, Oct. Sunshine, F. A. Cobbold, Mrs. Pockett, Col. Appleton, Nellie Pockett, Cheltoni, Lady Hopetoun, White Coombes, Ben Wells, etc., $3 per 100; $25 per 1,000; 2¼-in. Chas. H. Totty, Madison, N. J.

Chrysanthemums, 2-in., William Simpson, Glory of Pacific, Polly Rose, Monrovia, Omega, $2.50 per 100; Rosiere, $3 per 100. Storrs & Harrison Co., Painesville, O.

Chrysanthemums, Chadwick, Golden Chadwick, $2. White Bonnaffon, October Frost, Estelle, Touset, Nonin, Bonnaffon, Oct. Sunshine, Monrovia, Enguehard, Glory of Pacific, $1.50 per 100. A. F. Longren, Des Plaines, Ill.

Chrysanthemums, fine strong 2 and 2½-in. pot plants of Monrovia, October Frost, Rosiere, Touset, Alice Byron, Diana and Dr. Enguehard, $25 per 1,000. Cash with order or C. O. D. Gunnar Teilmann, Marion, Ind.

Chrysanthemums, R. C., October Frost, Monrovia, Rosiere, Maud Dean, $2 per 100; White Maud Dean, R. C., $3.50 per 100. L. E. Marquisee, Syracuse, N. Y.

Chrysanthemums, hardy, small flowered, $2 per 100; large flowered or aster type, $3 per 100. R. Vincent & Sons Co., White Marsh, Md.

Chrysanthemums, R. C., leading vars., $1, $1.50 and $2 per 100. Schmalzl & Hembreiker, Lincoln, Ill.

The American Florist invites attention to the class of business firms in its adv. columns.

CINERARIAS.

Cineraria hybrida, 4-in., 10c; 5-in., 20c; 6-in., $3 to $5 per doz. G. Aschmann, 1012 W. Ontario St., Philadelphia.

CLEMATIS.

Clematis paniculata, field-grown, 2-yr., $8; 3 and 4-in., $15. Elizabeth Nursery Co., Elizabeth, N. J.

COLEUS.

Coleus, Verschaffeltii, Golden Queen, Fire Brand, Lord Palmerston, Queen Victoria, Beckwith's Gem. R. C., 60c per 100; $5 per 1,000. Golden Bedder, Hero, Messey, Pearl of Orange, 75c per 100; $6 per 1,000. Fancy vars., 12 kinds, 75c per 100; $6 per 1,000. A. N. Pierson, Cromwell, Conn.

Coleus, Verschaffeltii, Golden Bedder, etc., $2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Coleus, in standard varieties, 2¼-in., $2.25 per 100; $20 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Coleus, 60c per 100; $5 per 1,000. J. W. Davis & Co., Davenport, Iowa.

Coleus, 10 varieties, 2¼-in., $2 per 100. Jos. H. Cunningham, Delaware, O.

Coleus, R. C., 70c per 100; $6 per 1,000. S. D. Brant, Clay Center, Kans.

Coleus, 2-in., 2c. Byer Bros., Chamberb'g, Pa.

CROTONS.

Crotons, 4-in., $25 per 100; 5-in., $50 per 100; 6-in., $75 per 100. Robt., Craig Co., 49th and Market Sts., Philadelphia.

CUPHEAS.

Cupheas, 2 kinds, R. C., 75c. Byer Bros., Chambersburg, Pa.

Cupheas, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

CYCLAMENS.

Cyclamen grandi, 4-in., 20c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

DAHLIAS.

Dahlias, 20 choicest named varieties, $8 per 100; 10 fine named varieties, $5 per 100; all field-grown. Zulu, fine dark red, $3.50 per 100; undivided clumps, mixed, $3. Wagner Park Conservatories, Sidney, O.

If you do not find what you need in our Ready Reference Department, write us about it.

Dahlias, field clumps; cactus; Mrs. A. Beck, C. Woodbridge, Miss A. Nightingale, F. Bartels, $1 per doz. Kriemhilde, Countess of Lonsdale, $1.50 per doz. Decorative: Zulu, Oban, Iridescent, Mrs. Geo. Reed, $1 per doz; Sylvia, $1.50 per doz. Show: A. D. Livoni, $1.50 per doz. Single: J. Cowan, Jno. Downie, $1.50 per doz.; Sunningdale, $1 per doz. Mixed colors: All colors, good var., 75c per doz.; mixed yellow, 75c per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Dahlias, field-grown, Wm. Agnew, Countess of Lonsdale, Nymphæa, Mrs. Wellesley, Admiral Dewey, A. D. Livoni and Fern-Leaf Beauty, $5 per 100; Grand Duke Alexis and Kriemhilde, $7 per 100. Storrs & Harrison, Painesville, O.

Dahlias, 75 vars. in cactus, decorative, show and pompon, true to name, $5 per 100 up 1,000, 50 each of 20 vars., our selection, $40. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Dahlias, standard, double valuable sorts, $3 and $4 per 100. New and fancy sorts, $8 to $12 per 100; few good standard sorts, $2 per 100. Ferndale Nurseries, Harlan, Iowa.

Dahlias, novelties and standard varieties, true to name. A choice list of the best introductions. Send for catalogue of dahlias, hollyhocks, hardy plants. W. W. Wilmore, Box 382, Denver, Colo.

Dahlias, 2½-in., $2 per 100, such sorts as C. W. Bruton, Mrs. Winters, Fire Rain, Frank Smith, Mrs. Roosevelt, Kriemhilde, Countess of Lonsdale, Mme. Van der Dael. Memphis Floral Co., Memphis, Tenn.

Dahlias, strong field-grown roots, double mixed, 100, $2.25; named varieties, 100, $4. H. H. Kern, Bonner Springs, Kans.

Dahlias, all leading vars., $45 to $50 per 1,000. Dingee & Conard Co., West Grove, Pa.

Dahlias, leading varieties. David Herbert & Sons, Atco, N. J.

DAISIES.

Daisies ,Shasta: Alaska and Burbank, undivided field clumps, $5 per 100; seedlings and transplanted, $1.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Daisy Queen Alexandra, well flowered, 6 and 7-in., $6 to $9 per doz. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Shasta daisies, field-grown, 100, $2.50; 1,000, $20. H. H. Kern, Bonner Springs, Kans.

DRACENAS.

Dracæna Massangeana, 6-in., $1.25 and $1.50 each. Lindenii, $1.25 and $1.50 each. Terminalis, 3½-in., $15 per 100; 5-in., $5 and $6 per doz.; 6-in., $6 and $9 per doz. Amabilis, 6 and 7-in., $9 and $12 per doz. Fragrans, 6 and 8-in., $6, $9 and $12 per doz. Sanderiana, 2½-in., $12 per 100. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Dracæna indivisa, 4-in., $2 per doz.; $12 per 100; 5-in., $3 per doz.; $20 per 100; 6-in., $6 per doz.; $40 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Dracæna, indivisa, 4-in., $2 per doz.; 5-in., $3 per doz. Strong plants. C. C. Pollworth Co., Milwaukee, Wis.

Dracæna indivisa, 5-in., $3 per doz.; $20 per 100. Frank Oechslin, 2572 W. Adams St., Chicago.

Dracæna indivisa, from 4-in., fine, $6 per 100. Cash with order. L. Menand, Albany, N. Y.

Dracæna indivisa, 2¼-in., $2; 3-in., $5 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Dracæna indivisa, 2-in., $3 per 100. Geo. M. Emmans, Newton, N. J.

EASTER PLANTS.

Easter lily plants, 10c per bud. Hydrangeas, 7-in., 50c to $1 each. Azaleas, 75c to $1.50. Spireas, 50c and 75c. Hyacinths, 4-in., 10c and 12c. Tulips, 6-in. pans, 8 to 10 bulbs, single and double, 25c. Daffodils, 6-in. pans, 25c. Rhododendrons, $1 to $1.50. Crimson Rambler rose, 50c to $1. Baby Rambler, 50c to $1. Violets, 6-in. pans, full of bloom, $2.50 per doz. Pansies, 6-in. pans, full of bloom, $2.50 per doz. Eli Cross, Grand Rapids, Mich.

Easter lilies, 12½c. Hyacinths, 4-in., $10; 5-in., $20. Tulips, 5-in., $20. Cinerarias, 4-in., $15; 5-in., $25; Obconica, 3-in., $8; 4-in., $12.50. Geo. A. Kuhl, Pekin, Ill.

Easter lilies, select, $15 per 100; medium, $12.50. Miami Floral Co., Dayton, O.

Lilies for Easter, 2 to 3 buds, 12c each; 4 to 8 buds, 10c each. Violet pans, 20c each. Crabb & Hunter Floral Co., Grand Rapids, Mich.

Easter Lilies, Giganteum, 5 to 7 buds, 15c. Extra nice stock, just right to ship and come in for Easter. Memphis Floral Co., Memphis, Tenn.

EUONYMUS.

Euonymus radicans, 1, 1½-ft., $6; 2, 2½-ft., $8 per 100; bushy plants. Brae-Burn Nursery, West Newton, Mass.

FERNS.

Ferns for dishes, 6 vars., 2-in., $3 per 100; $25 per 1,000; 3-in., 75c per doz.; $6 per 100. Boston, 5-in., $3 per doz.; $25 per 100; 6-in., $6 per doz.; $50 per 100; 7-in., $9 per doz.; 8-in., $12 per doz. Whitmani, 8 and 9-in., $1.50 and $2 each. Anna Foster, for baskets, $2 each. Boston for baskets, 8-in., $1.25 each; 10-in., $2 each. Pteris Wimsetti and Ouvrardi, 4½-in., $2 per doz.; $15 per 100. Cyrtomium falcatum, 4½-in., $2 per doz.; $15 per 100; 5-in., $3 per doz.; $25 per 100; 6-in., $5 per doz. Frank Oechslin, 2572 W. Adams St., Chicago.

Ferns, Elegantissima, 2¼-in., $6 per 100; 3½-in., $15 per 100; 6-in., 50c each; 8-in., $1 and $1.50 each; 10-in., $2 each. Whitmani, 2¼-in., $6 per 100; 3½-in., $15 per 100; 6-in., 50c and 75c each; 8-in., $1.50 each; 10-in., $2 each. Scotti, 6-in., 50c each. Boston, 2¼-in., $4 per 100; 6-in., 50c each; 8-in., $1 each. Small ferns for pans, $4 per 100; $30 per 1,000. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Nephrolepis Todeaoides, 2-in., $12 per 100; $100 per 1,000; 6-in., $9 per doz. Scottii, 6-in., $6 and $9 per doz.; 9-in. pans, $2 each. Adiantum hybridum, 3-in., $8 per 100; $75 per 1,000; 6-in. pans, 50c each. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Ferns, Boston, 8-in., $1.25 to $1.50 each; 7-in., $1; 6-in., 50c; 5 to 5½-in., 35c and 40c. Whitmani, 8-in., $1.50; 6-in., 50c. Scottii, 7-in., $1 to $1.25; 6-in., 50c; 5½-in., 40c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Whitmani ferns, none better, none cheaper from bench, $2 per 100; 2½-in. pots, $4 per 100; 3-inch pots, $10 per 100; 4-in. pots, $20 and $25 per 100; 6-in. pots, $50 and $75 per 100. B. M. Wichers & Co., Gretna, La.

Ferns, Boston, Piersoni, Annie Foster and Elegantissima, all sizes. Strong plants at bottom prices; see display adv. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns, Boston, 2½-in., 4c; 3-in., 8c; 4-in., 15c; 5-in., 25c; 6-in., 40c; 7-in., 65c; 8-in., $1 to $1.50; 10-in., $1.50 to $2. J. W. Dunford, Clayton, Mo.

Ferns, N. Amerpohlii, 2-in., $12 per 100; 4-in., $30 per 100; 6-in., 75c each; 8-in., $1.50 and $2 each. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Ferns, Whitmani, 2½-in. plants, sturdy and strong, $3.50 per 100; $30 per 1,000. Memphis Floral Co., 145 S. Main St., Memphis, Tenn.

Ferns, Whitmani, 2¼-in., $5 per 100; 3½-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Son, Whitman, Mass.

Ferns, Boston from bench, ready for 4-in., 6-in. and 8-in. pots, price $15, $25 and $35 per 100. Miami Floral Co., Dayton, O.

Ferns, Boston, 5-in., 30c each. Geo. M. Emmans, Newton, N. J.

Ferns, Scottii, Elegantissima, Whitmani, 2¼-in. W. W. Coles, Kokomo, Ind.

Ferns, 2½-in., $4 per 100; $30 per 1,000. Storrs & Harrison Co., Painesville, O.

Ferns. G. C. C. Schrader, Elmhurst, L. I.

FEVERFEW.

Feverfew, 2-in., $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Feverfew, young plants, 75c per 100. Byer Bros., Chambersburg, Pa.

FICUS.

Ficus pandurata, 2½ ft., $2 each; 3 ft., $2.50; 4 ft., $3.50; 5 ft., $5; 6 ft., $6; branched plants, $5 to $7.50. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Ficus elastica, 5 to 7-in., 30c to 75c each. G. Aschmann, 1012 W. Ontario St., Phila.

FUCHSIAS.

Fuchsias, assorted, fine R. C., $1.50 per 100. L. E. Marquisee, Syracuse, N. Y.

Fuchsias, $1 per 100. Shippensburg (Pa.) Floral Co.

GENISTAS.

Genistas, for Easter, good stock, $3 to $9 per doz.: large plants, $1 to $3 each; standard and pyramidal, $3 to $7.50 each. Robt. Craig Co., 49th and Market Sts., Philadelphia.

GENTIANS.

Gentians, acaulis, verna; Edelweiss, 10 others plants, $2 postpaid. English Home of Alpine Plants, South Pool, S. Devon, England.

GERANIUMS.

100,000 GERANIUMS ready for delivery at special April prices. S. A. Nutt (in quantity), Beaute Poitevine, Jean Viaud, Francis Perkins, Peter Henderson, Mme. Buchner. Large top cuttings, well rooted, ready for 2½-in. pots, $1.50 per 100; $12.50 per 1,000. 2,000 S. A. NUTT, short stout plants from the bench, will make fine 5-in. stock for Decoration Day, packed light, $5 per 100. Cash.
THE W. T. BUCKLEY CO.,
Springfield, Ill.

Geraniums, Jean Viaud, Heteranthe, A. H. Trego, M. De Castellane, Granville (pink single), in bud, 3-in., strong and bushy, $5 per 100; $40 per 1,000. Memphis Floral Co., Memphis, Tenn.

Geraniums, Nutt, Doyle, Perkins, Ricard, Grant, La Favorite, R. C., $1.25; 2-in., $2; 3-in., $4 per 100. Trego, Viaud, Castellane, Poitevine, Jaulin, R. C., $1.50; 2-in., $2.50; 3-in., $5 per 100. Geo. Emmans, Newton, N. J.

Geraniums, 2-in., standard sorts, and new vars., $2 per 100 up to $1 each; 1,000, 20 good vars., our selection, $18.50. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Geraniums, Nutt, Perkins, Buchner, Doyle, $10 per 1,000. Viaud, Poitevine, Castellane, Ricard, $12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, R. C., S. A. Nutt, $12.50 per 1,000. Wm. Lanquith, $2.50 per 100. Sweet Scented, $2 per 100. L. E. Marquisee, Syracuse, N. Y.

Geraniums, standard, our choice of vars., in red, pink and white, $2 per 100. Storrs & Harrison Co., Painesville, O.

Geraniums, 10 vars., 2½-in., $3 per 100; $25 per 1,000; 3-in., $4 per 100. Jos. H. Cunningham, Delaware, O.

Geraniums, leading varieties, extra storng 2½-in., $2.50 per 100; 4-in., strong, $7 per 100. E. R. Tauch, Marquette, Mich.

Geraniums. 6 varieties double, S. A. Nutt and others, 2½-in., $2.50 per 100; $22.50 per 1,000. The Krueger Bros. Co., Toledo, O.

Geraniums, S. A. Nutt, 2-in., $18 per 1,000. C. B. Knuth, 11801 St. Clair Ave., Cleveland, O.

The American Florist invites attention to the class of business firms in its adv. columns.

Geraniums, standard varieties, 2¼-in., $2.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

GLADIOLI.

Gladiolus, Princeps, medium, $9 per 100. Mrs. Francis King, $4 per 100; $30 per 1,000; America, $7.50 per 100; $60 per 1,000; Augusta, $2 per 100; $17 per 1,000. Brenchleyensis, $1.45 per 100; $12 per 1,000. Ceres, $1.45 per 100; $12.50 per 1,000. Mme. Moneret, $1.75 per 100; $15 per 1,000. May, $1.75 per 100; $15 per 1,000. "1900," $2.50 per 100. Shakespeare, $4.25 per 100; $38 per 1,000. Florist mixture, made from named light and white vars., $1.75 per 100; $15 per 1,000. Vaughan's Seed Store, Chicago and New York.

Gladiolus bulbs, over 15,000 bushels harvested. Groff's hybrid and other strains and named varieties of exceptional merit. Write for 1907 illustrated catalogue. Arthur Cowee, Gladiolus Specialist, Meadowvale Farm, Berlin, N. Y.

Gladiolus. Fine light shades, $1 per 100; 2nd size, 60c; dark shades, $1 per 100; $8 per 1,000. Finest Groff's, $1.50 per 100; 2nd size, 90c. Wagner Park Conservatories, Sidney, O.

Bulbs, Gladiolus primulinus, $8 per doz.; $60 per 100. Primulinus hybrids, $3 per doz.; $20 per 100. J. M. Thorburn Co., 33 Barclay St., New York.

Gladiolus, Hyacinthus candicans, spotted callas, oxalis, cinnamon vine, German Iris, lilies. E. S. Miller, Wading River, N. Y.

Gladiolus America, $6.50 per 100; $60 per 1,000. Write for prices on other stock. Cushman Gladiolus Co., Sylvania, O.

Gladiolus Lemoinei and Nanceianus. V. Lemoine & Son, Nancy, France.

Gladiolus, leading vars. E. E. Stewart, Rives Junction, Mich.

GLOXINIAS.

Gloxinias. L. Van Houtte, Pere, Ghent, Belgium.

GREENS.

Greens, dagger and fancy ferns, $1.75 per 1,000. Bronze and green galax, $1.25 per 1,000. Leucothoe sprays, $1 per 100; $7.50 per 1,000. Sphagnum moss, per bale, $1.25. Boxwood bunches, 35c; 50 lbs., 7.50. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit.

Greens, bronze, galax, $8.50 per case of 10,000; green, $7.50. Dagger and fancy ferns, $1.50 per 1,000. Laurel festooning, boxwood, southern wild smilax, sphagnum moss and green moss, leucothoe sprays, etc. H. M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, cut palmetto and cycas leaves, galax, leucothoe, ferns, mosses, etc. Kervan Co., 113 W. 28th St., New York.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 53 W. 28th St., New York.

Greens, smilax, ferns, palm leaves, etc. John P. Scherer, Union Hill, N. J.

Greens, southern wild smilax. E. A. Beaven, Evergreen, Ala.

HARDY PERENNIALS.

Japan iris, true to name, $40 per 1,000; $5.50 per 100. Rowehl & Granz, Hicksville, N. Y.

If you do not find what you need in our Ready Reference Department, write us about it.

Perennials, replanted into flats. Any at $10 per 1,000; Myosotis, Stokesia cyanea, bells, eulalias, edrianthus ravennæ, Astor Bessarabicus, Achillea, Lobelia cardinalis penstemons, Rudbeckia triloba, tritoma asst.; campanulas, named and asst.; digitalis, Yucca filamentosa, delphinium asst.; sweet william, single mixed; Lychnis Chalcedonica, also Haageana hybrids, Dianthus plumarius, mixed; Shasta daisy Alaska, Ampelopsis Veitchii, Veronica longifolia sub.; Gaillardia grandi; also Kelway's hybrids. In pots, 1-yr.-old; Dianthus, 5-in., $10 per 100. Coreopsis lanceolata, 5-in., $8 per 100. Campanula, asst., 6-in., $12 per 100. Grave myrtle. 2¼-in., $25 per 1,000; 3-in., $40 per 1,000. Perennial clumps from field, 12c per clump, except where specified: Iris Germanica, all colors, named, 10c; Kaempferi, blue, tall, 10c; Bachelor's buttons, yel., 2 ft., 10c; campanula, asst.; Chrysanthemum uliginosum, C. Shasta daisy; Coreopsis lanceolata; day lily, 5 ft.; gaillardia; golden glow, 8c. Lynchnis Chalcedonica; delphinium; phlox, all colors, named; pentstemons, asst.; Polemonium cæruleum; Physostegia speciosa, grand., mixed; Yucca filamentosa, 25c. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Hardy perennials, Anemone Japonica, 3-in., 85c per doz.; $6 per 100; $50 per 1,000; alba, 85c per doz.; $6 per 100; $50 per 1,000; Elegantissima, Lord Ardilaun, Prince Henry, $1.25 per doz.; $8 per 100; $70 per 1,000. Queen Charlotte, Rosea Superba, Whirlwind, 85c per doz.; $6 per 100; $50 per 1,000. Aster grandiflora, $2 per doz.; $15 per 100. Campanula persicifolia giganteum Moerheimi, $1.25 per doz.; $8 per 100. Burbank's Shasta Daisy Alaska, $1.50 per doz.; $10 per 100. Helenium Riverton Gem, $1.50 per doz.; $10 per 1,000; Riverton Beauty, 30c each; $3 per doz. Japanese iris, 2 vars., $1.50 per doz.; $10 per 100; set of 2 vars., $2. Lupinus Polyphyllus Moerheimi, 60c each; $6 per doz. Hardy perennial phlox, all standard sorts, 75c per doz.; $5 per 100; $40 per 1,000. Rudbeckia Rays of Gold, $1.50 per doz.; $10 per 100. Stokesia cyanea alba, $1.50 per doz.; $10 per 100. Tritoma Pfitzeri, $1 per doz.; $7 per 100; $60 per 1,000. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Perennials. All field clumps, $3 per 100; Achillea. The Pearl, anthemis, Aegopodium variegata, Alyssum argenteum, asters, chelone, boconia, asphodelus, assorted phlox, Helianthus max, Hel. rigidus; heliopsis, Hemerocallis fulva, hibiscus, double hardy pinks, assorted German iris, Rudbeckia laciniata, R. Golden Glow, solidago. Following at $5 per 100: Delphinium Chinensis, Del. formosum, digitalis, Funkia cœrulea, named German iris, Pyrethrum uligonsum, periwinkle, platycodon, valeriana. Following $6 per 100: Named phlox, hardy pinks, 4 varieties, liatris, Lychnis Chalcedonica, aquilegia in variety, Shasta daisies. Following at $7 per 100: Eulalia 3 varieties, Tritoma Pfitzeri, Yucca, mixed peonies. Following at $10 per 100; Tritoma Express, named peonies, all colors. Wagner Park Conservatories, Sidney, O.

Iris pallida dalmatica, a beautiful shade of lavender; the largest and most beautiful of all the German iris, perfectly hardy and free flowering; one of the good things almost lost to horticulture, $12 per 100; $100 per 1,000. Cash with order. J. A. Peterson, McHenry Ave., Westwood, Cincinnati, O.

Hardy plants. Get our prices for field-grown stock. We have one of the finest assortments of undivided clumps, also in seedlings and transplanted. Ask for descriptive list. Mosbæk Greenhouse Co., Onarga, Ill.

Hardy perennials, anemone, aster, campanula, delphinium, funkia, hemerocallis, hepatica, incarvillea, iris, peony, phlox, primula, pyrethrum, tritoma. Royal Tottenham Nurseries, Ltd., Dedemsvaart, Holland.

Vines, perennial sweet peas, assorted, $4 per 100. Clematis Virginiana, English ivy, Hall's Japan and golden honeysuckles, $6 per 100, all large field-grown. Wagner Park Conservatories, Sidney, O.

HELIOTROPES.

Heliotrope, 4 of the best, R. C., $1; 2¼-in., $2.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Heliotrope, R. C., $1 per 100; $8 per 1,000. S. D. Brant, Clay Center, Kans.

Heliotropes, 3 kinds, R. C., $1 per 100; 2-in., 2c. Byer Bros., Chambersburg, Pa.

Heliotrope, R. C., 75c per 100; $6 per 1,000. A. N. Pierson, Cromwell, Conn.

HOLLYHOCKS.

Hollyhocks, double in six separate colors. Also the Allegheny or Everblooming strain in mixed colors, field-grown plants, $3 per 100 for either strains, Dahlias and hardy plants. Catalogue. W. W. Wilmore, Box 382 Denver, Colo.

Hollyhocks, in separate colors, 2¼-in., $2.25 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Hollyhocks, 3-in., double, white, pink, red, yellow, $3 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Hollyhocks, single, field-grown, $2.50 per 100. Byer Bros., Chambersburg, Pa.

HYDRANGEAS.

Hydrangea Otaksa monstrosa, 4-in., $6 to $8 per 100; 5-in., $12 to $15 per 100; 10-in., very large, $1 each. All above are pot grown. From 6 to 7-in. pots, potted from open last Sept., $3 per doz.; $20 per 100. E. Fryer, Johnstown, Pa.

Hydrangeas, Otaksa and Thos. Hogg, 6-in., 3 to 4 flowering stems, $5 per doz.; $40 per 100; 7-in., 5 to 6 flowering stems, $8 per doz.; $75 per 100. Vaughan's Seed Store, Chicago and New York.

Hydrangeas, $6 to $12 per doz.; larger, $1.50 to $4 each. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Hydrangea paniculata, 2 to 3 ft., 15c to 35c each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Hydrangea Otaksa, 6 to 7-in., 35c to $1 each. G. Aschmann, 1012 W. Ontario St., Phila.

Hydrangeas, 75c to $2.50. Geo. A. Kuhl, Pekin, Ill.

Hydrangeas. W. & T. Smith Co., Geneva, N. Y.

IMPATIENS.

Impatiens, 3 kinds, R. C., $1. Byer Bros., Chambersburg, Pa.

IVIES.

Ivy, German, strong R. C., 75c per 100; 2½-in., $2 per 100. L. E. Marquisee, Syracuse, N. Y.

English ivy, hardy, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Ivy, German, 75c per 100. Shippensburg (Pa.) Floral Co.

Ivy, German, English, Boston. Geo. A. Kuhl, Pekin, Ill.

LANTANAS.

Lantanas, 5 vars., $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

LILACS.

Lilacs, Persian, also German white and light and dark purple, 3 to 6 ft., 25c to $2 each. Wittbold Co., 1657 Buckingham Pl., Chicago.

Lilacs, fine specimens, 12 and 14-in., $4 each. Robt. Craig Co., 49th and Market Sts., Phila.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

From Storage.

Lily of the valley for Easter, $3 per 100; $25 per 1,000; extra select, $4 per 100. Cold storage pips, $1.50 per 100; $12 per 1,000; select stock, $1.75 per 100; $14 per 1,000. H. N. Bruns, 1409-11 Madison St., Chicago.

Lily of the valley, 5-in. pots, $6 per doz.; 6-in., $9 per doz. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Lily of the valley, for forcing, $11 per 1,000. W. C. Beckert, Pittsburg, N. S., Pa.

Lily of the valley, pips, cold storage. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley, for forcing. Vaughan's Seed Store, Chicago and New York.

LOBELIAS.

Lobelias, Crystal Palace Gem, $2 per 100; Kathleen Mallard, 2-in., $3 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Lobelia, new double blue. Kathleen Mallard, strong clumps from flats, $3 per 100; 10,000 ready now. H. W. Manike, Tacoma, Wash.

Lobelia Crystal Palace and speciosa, $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

MADEIRA VINE.

Maderia Vine, large, $1.25 per 100; $10 per 1,000. Vaughan's Seed Store, Chicago and N. Y.

MOSS.

Sphagnum moss, 5 barrel bale, $1.25; 2 bales, $2.25; 5 bales, $5; 10 bales, $9.50. H. R. Akers, Chatsworth, N. J.

Sphagnum moss in burlap or wired bales. Write for prices. Vaughan's Seed Store, Chicago and New York.

MUSHROOM SPAWN.

Mushroom. Spawn. Johnson's Improved. Johnson's Ltd., 44 Bedford Row, London, W. C., England.

Mushroom spawn. English and pure culture. Weeber & Don. 114 Chambers St., New York.

Mushroom spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Shrubs, Berberis Thunbergii, 1 to 3 ft., 10c to 50c each. Symphoricarpus racemosus alba, 2 to 5 ft., 10c to 50c each; S. vulgaris rubra, 2 to 4 ft., 10c to 35c each. Viburnum Opulus, 2 to 5 ft., 10c to 50c each. American arbor-vitæ, 2 to 3 ft., 10c to 25c each. Matrimony vine, 10c to 50c each. Syringa Lemoinei, 3 to 4 ft., 25c to 35c each. Cut-leaf elder, 3 to 6 ft., 10c to 25c each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Nursery stock, Viburnum plicatum, 3 to 4 ft., $15 per 100; 4 to 5 ft., $17; Dentatum. 2-3 ft., $6; 3-4, $8; 4-5, $12. Berberis Thunbergii, 18-24 ins., $6; 2 ft., $8; 2-3, $10. Privet cuttings, $13.50 per 10,000. Elizabeth Nursery Co., Elizabeth, N. J.

Trees, box elder, from 1 to 2½-ins., 6 to 10 ft., 35c to $1 each. Catalpa, 1½ to 2-ins., 8 to 10 ft., 75c each; $75 per 100. Elm, American, 2 to 4 ins., 6 to 12 ft., $1 to $3 each. Geo. Wittbold Co., Buckingham Pl., Chicago.

Ligustrum. Ibota, seedlings, twice transp., 18 to 24 ins., $5 per 100; $40 per 1,000. Ampelopsis Engelmani, 3-yr., strong, $2 per doz., $15 per 100. Vaughan's Seed Store, Chicago.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, trees and shrubs, price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Nursery stock, large trees, oaks, maples, pines and hemlock. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, arbor-vitæ (Thuya occidentalis) 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Hardy fruit and ornamental trees, shrubs, vines and perennial plants. L. L. May & Co., St. Paul, Minn.

Nursery stock, hardy Michigan trees, shrubs, fruit trees and small fruits. Grand Rapids Nursery Co., Grand Rapids, Mich.

Nursery stock fruit and shade trees, shrubs, evergreens. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. W. van Kleef & Sons, Boskoop, Holland.

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Oranges, Otaheite, 6 to 15 fruits, 50c to $1.25 each. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Oranges, Kinkan. P. J. Berckmans Co., Augusta, Ga.

ORCHIDS.

Orchids in superb condition. Cattleya Mossiæ, C. Schroederæ, Lælia anceps, Epidendrum vitellinum, etc. Lager & Hurrell, Summit, N. J.

Orchids, C. Trianæ, C. Percivaliana, C. speciosissima, C. Gaskelliana, Oncidium Krameriannm. Ordonez Bros., Madison, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England. New York office, room 1, 235 Broadway.

Orchids, choice assorted flowering, established, $12 per doz. Wm. Mathews, West View Greenhouses, Utica, N. Y.

Orchids, Lælia purpurata, Cattleya intermedia, C. Mossiæ. Julius Roehrs, Rutherford, N. J.

Orchids, ready in April and May. Carrillo & Baldwin, Secaucus, N. J.

PALMS.

Palms, Cycas revoluta, 4-in., 25c each; 5-in., 35c; 6-in., 50c; 7-in., 75c to $1; 8-in., $1.25 to $1.50. Kentia Bel., 5-in., $7.20 per doz., 5-in., strong, $9; 6-in., $12; 6-in., strong, $15. Kentia Fors., 5-in., $7.20 per doz.; 5-in., strong, $9; 6-in., $12; 6-in., strong, $15. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Palms, Latania, 7-in., 30 ins. high, $1.25; 8-in., 36 ins. high, $1.75. Areca, 6-in., 36-ins. high, $1; 7-in., $1.45. Phœnix, 7-in., 36 ins. high, $1.50; 8-in., $2.50. Kentia, 7-in., 36 ins. high, $1.75; 8-in., $2.75; 10-in., $4. Wagner Park Conservatories, Sidney, O.

Palms, Kentia Bel., 2½-in., $9 per 100; $80 per 1,000; 3-in., $14 per 100; 4-in., $30; 5-in., $50. Latania Borb., 3-in., $6.50 per 100; 6-in., 5 to 6 leaves, 15 to 18 ins., 60c each. Storrs & Harrison Co., Painesville, O.

Palms. Kentia Belmoreana and Forsteriana, 4-in., 18 to 20 ins., 35c; 5¼, 5½ and 6-in., 50c to 75c each. Latania Borb., 5-in., 30c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Cocos Weddelliana, 3-in., $2.50 per doz.; $20 per 100; 5-in., 4 in pot, 75c each; $9 per doz. Frank Oechslin, 2572 W. Adams St., Chicago.

Palms, Kentia Bel., $1.50 to $6 each; 3-in., $12 per 100. Cocos Wed., $15 per 100; larger, $1 and $1.50 each. Anton Schultheis, College Point, N. Y.

Palms, 200 to 300 Phœnix, 5-in., at a bargain if taken at once. Mosbæk Greenhouse Co., Onarga, Ill.

Palms. L. Van Houtte, Pere, Ghent, Belgium.

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Latania Borbonica, from 2-in., 3 leaves, $3 per 100. The Perennial Gardens Co., Toledo, O.

Palms. P. J. Berckmans Co., Augusta, Ga.

PANDANUS.

Pandanus Veitchii, $3 per doz.; larger plants, $6 to $12 per doz.; specimens, $2.50 to $10 each. Anton Schultheis, College Point, N. Y.

Pandanus Veitchii, 4½-in., $50 per 100; 5-in., 75c each; 6 and 7-in., $1 and $1.25 each. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Pandanus Veitchii, 5-in., $1 each; 5½-in., $1.25; 6-in., $1.50. Frank Oechslin, 2572 W. Adams St., Chicago.

Pandanus utilis, 2½-in., $6 per 100; 3-in., $8; 4-in., $12. Storrs & Harrison Co., Painesville, O.

PANICUM.

Panicum var., $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

PANSIES.

Pansies, a mixture of the finest strains of exhibition stock obtainable in Germany and America. Seed bought direct from the growers. Good, strong, frame grown plants, 75c per 100; $6 per 1,000. N. E. Beck, Massillon, Ohio.

Pansy plants from extra selected seed. Fall seedlings, $3.50 per 1,000. Fall transplanted, $6 per 1,000. Large plants, $10 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Pansies from cold frame, strong, in bud, $1 per 100; $9 per 1,000; 2nd size, $5 per 1,000. F. A. Baller, Bloomington, Ill.

Pansies, fall transplanted, in bud, per 100, $1.25; per 1,000, $10. A. R. Knowles, Bloomington, Ill.

Pansies, giant flowering, 50c per 100; $2.50 per 1,000. Jos. H. Cunningham, Delaware, O.

PELARGONIUMS.

Pelargoniums, 3-in., $1.50 per doz.; $6 per 100. R. Vincent, Jr. & Sons, White Marsh, Md.

Pelargoniums, $2.50 per 100. S. D. Brant, Clay Center, Kans.

PEONIES.

Peonies, 100 varieties, all classes for florists, 6 or 8 leading kinds, white to crimson, early to late, all named, $1.50 per doz.; $10 per 100. F. A. Baller, Bloomington, Ill.

Peonies, in variety, 10c to 50c. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Wholesale peony list for fall 1908 is now ready. J. F. Rosenfield, West Point, Neb.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies, leading vars. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunia Berkshire, R. C., $2.50 per 100; $20 per 1,000. S. S. Skidelsky, 1731 No. 18th St., Philadelphia.

Petunias, double fringed, 2½-in., ready for 4-in., $2.50 per 100; R. C., $1 per 100. The Krueger Bros. Co., Toledo, O.

Petunias, dbl., R. C., $1.25 per 100; $10 per 1,000. S. D. Brant, Clay Center, Kans.

Petunias, dbl., 10 kinds. R. C., $1. Byer Bros., Chambersburg, Pa.

Petunias, dbl., $3 per 100. Jos. H. Cunningham, Delaware, O.

POINSETTIAS.

Poinsettias, good, strong stock. $4 per 100. The Krueger Bros. Co., Toledo, O.

PRIMULAS.

Primula obconica grandi. rosea, 2½-in., 50c per doz.; $3 per 100; 3½-in., 75c per doz.; $6 per 100. Frank Oechslin, 2572 W. Adams St., Chicago.

PRIVET.

Privet, California, and Amoor River 2½ to 3 ft., $25 per 1,000. Peter's Nursery Co., Knoxville, Tenn.

Privet, California. E. Y. Teas Co., Centerville, Ind.

The American Florist invites attention to the class of business firms in its adv. columns.

RHODODENDRONS.

Rhododendrons, best vars., $1.50 to $5 each. Pink Pearl, $3 each. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Rhododendrons. W. & T. Smith, Geneva, N. Y.

Rhododendrons. Jacs Smits, Naarden, Holland.

ROSES.

American Beauties, rooted cuttings, $3 per 100; $25 per 1,000; 2¼-in., $6 per 100; $50 per 1,000. J. F. Wilcox, Council Bluffs, Iowa.

Roses, grafted, Mrs. Jardine, Rhea Reid, Queen Beatrice, $6 per doz.; 50 for $18; $35 per 100. My Maryland, 50c each; $5 per doz.; $35 per 100; own root, 2½-in., $25 per 100; $2 per 10; 3-in., $15 per doz. Mrs. Potter Palmer, $3 per doz.; $17.50 per 100; $125 per 1,000. New Rambler Newport Fairy, 2¼-in., $1 each; $9 per doz.; $50 per 100. Standard vars.: Aurora, Betty, Bon Silene, Bride, Maid, Enchanta, Etoile de France, Franz Deegen, Gen. MacArthur, G. Gate, Hermosa, Ivory, Kaiserin, Kate Moulton, Killarney, La Detroit, M. Cochet, M. Niel, Mme. Chatenay, Mme. Hoste, Mrs. Morgan, Gontier, Rosalind Orr English, Richmond, Carnot, Wootton, Uncle John, Wellesley, White Cochet, grafted, 2¼-in., 20c each; $2 per doz.; $15 per 100; $120 per 1,000. Am. Beauty, own root, 2½-in., $8 per 100; $75 per 1,000; 3-in., $12 per 100; $100 per 1,000. Own root roses, 2½-in.; Kaiserin, Killarney, Bride, Bridesmaid, Ivory, G. Gate, Uncle John, Richmond, Chatenay, Aurora, $1 per doz.; $6 per 100; $50 per 1,000; 2-in., $3.50 per 100; $30 per 1,000. A. N. Pierson, Cromwell, Conn.

Roses, 2-yr., budded, per doz., $2; $15 per 100; Am. Beauty, La France, Frau K. Druschki, Kaiserin, Soliel d'Or, Hermosa, Paul Neyron, Gruss an Teplitz, 2-yr., budded, $1.50 per doz.; $11 per 100. Anna de Diesbach, Fisher Holmes, Magna Charta, Ball of Snow, Gen. Jacq., M. P. Wilder, Capt. Christy, Mme. Testout, Mrs. J. Laing, U. Brunner, etc. Crimson Rambler, 2-yr., home-grown, $15 per 100; 2-yr., imported, $12 per 100. Dorothy Perkins, 2-yr., home-grown, $12 per 100. Lady Gay, 2-yr., budded, $20 per 100. Philadelphia Rambler, 2-yr., home-grown, $12 per 100. Baby Rambler, 2-yr., extra strong budded, $20 per 100. White Baby Rambler, 2½-in., $10 per 100. Red Kaiserin, 2½-in., $1.50 per doz.; $10 per 100; 3-in., $2 per doz.; $12 per 100; 4-in., $3 per doz.; $20 per 100; 2-yr. dormant, $3 per doz.; $20 per 100. Vaughan's Seed Store, Chicago and N. Y.

Roses, Crimson Rambler, 6 and 7-in., $1 to $1.50 each; plants trained in fan and globular shapes, $2 to $6 each; specimens, $7.50 each. Lady Gay and Dorothy Perkins, trained into shapes, $1.50 to $5 each. Tausendschon, 6-in., $1.25 and $1.50; larger plants, $2 to $3.50. Standard Baby Rambler, pot-grown, 2-yr., well bloomed, $2 and $2.50 each. Baby Rambler and White Baby Rambler, $6 and $9 per doz. La France, Am. Beauty, Kaiserin, $5 to $9 per doz. Killarney, Tom Wood, Frau K. Druschki, Mrs. Laing, $9 and $12 per doz. Magna Charta, 6, 7 and 8-in., $9 to $18 per doz. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Roses, $2.50 per 100; $25 per 1,000; Baby Rambler, C. Soupert, D. Perkins, Mme. A. Chatenay, C. Rambler; $2.75 per 100; $27.50 per 1,000: Hermosa, Maman Cochet, Malmaison, Etoile de Lyon, Helen Gould, Lady Gay, M. Niel, Notting, Meteor, White Maman; $3 per 100; $30 per 1,000; Black Prince, Mme. Masson, Richmond, Kaiserin, Paul Neyron, $3.50 per 100; $35 per 1,000: Etoile de France, Gen. McArthur, Mrs. J. Laing. Helen Good, $5 per 100. J. B. Clark, $8 per 100. C. M. Niuffer, Springfield, O.

Roses, Tausendschon and Lady Gay, 2-in., $7.50 per 100. Following are fine two and three-year-old plants on own roots: Russel's Cottage, Golden Chain, Dorothy Perkins, White, Pink and Yellow Rambler, Seven Sisters, Prairie Queen and Debutante, at $10 per 100. La Marque, Clothilde Soupert, Empress of China. Baltimore Belle, Jersey Beauty, $8 per 100. Manda's Triumph, $7. Baby Rambler, 3-yr., $20. Wagner Park Conservatories, Sidney, O.

Roses, Mrs. Potter Palmer, 2½-in., $15 per 100; $1.25 per 1,000; R. C., $8 per 100. Cardinal, 2½-in., $6 per 100; $55 per 1,000. Am. Beauty, R. C., $30 per 1,000; 2 and 2½-in., $6 per 100; $55 per 1,000. Maid, Bride, Richmond, Sunrise, Kaiserin, Uncle John, 2½-in., $4.50 per 100; $40 per 1,000. Bench Beauty plants, $55 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, grafted, Chatenay, Killarney, Richmond, Liberty, La France, in rose pots, $15 per 100: 3½-in., $18 per 100. Brides, Maids, Golden Gate, Kaiserin, rose pots, $10 per 100; 3½-in., $15 per 100. Own root: 3-in., $9 and $7 per 100. J. L. Dillon, Bloomsburg, Pa.

Roses, Prairie Queen, 3 to 5 ft., 15c to 35c each. Crimson Rambler, 2 ft., 15c each; Baby, 3½ in., $6 per 100. Sweet Briar, 2 to 3 ft., 10c to 25c each. One lot hybrid perpetual, 5-in., asst. vars., pot-grown, $15 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Roses, C. Rambler, 18-24-ins., $5 per 100; 2-3 ft., $6; 3-4 ft., $9. Persian Yellow, $12. Soleil d'Or, $12. Elizabeth Nursery Co., Elizabeth, N. J.

Roses, R. C., Maid, Bride, Richmond, $1.50 per 100; $12 per 1,000. Bench plants, Am. Beauty, $6 per 100; $50 per 1,000. Bride, Maid, Chatenay, $3 per 100; $25 per 1,000. Geo. Reinberg, 35 Randolph St., Chicago.

Roses, Marechal Neil, 4-in., 2 to 3 canes, 24 ins., tall, live healthy roots, 20c. Pink Cochet Franciska Kruger, 3-in., $6 per 100; all 2-yr. old. Memphis Floral Co., Memphis, Tenn.

Extra strong White La France, Duchess Albany, Pink La France, $10 for 100; 30 ins. tall, 3 to 5 canes. Memphis Floral Co., Memphis, Tenn.

Roses. E. G. Hill Co., Richmond, Ind.

Roses, 2½-in., C. Soupert, Hermosa, Baby Rambler, Maman Cochet, White M. Cochet, $3 per 100; $25 per 1,000. Storrs & Harrison Co., Painesville, O.

Roses, young stock, Am. Beauty, $6 per 100; $55 per 1,000. Rhea Ried, own root, $30 per 100; grafted, $35 per 100. E. G. Hill Co., Richmond, Ind.

Roses, choice young stock: Kaiserin, 2½-in., $4.50 per 100; $40 per 1,000. Richmond, Maid, Bride, 2-in., $3 per 100; $25 per 1,000. Bassett & Washburn, 76 Wabash Ave., Chicago.

Roses, Bride, Maid, Kaiserin, Killarney, Richmond, Wellesley, $12 per 100; $100 per 1,000. Jackson & Perkins Co., Newark, N. Y.

Roses, American Beauty, Richmond, bench plants, $6 per 100; $50 per 1,000. J. A. Budlong, 37-39 Randolph St., Chicago.

Roses, grafted and own root, Kaiserin, Carnot, Killarney, Richmond, Liberty, Bride and Bridesmaid. W. H. Elliott, Brighton, Mass.

Roses, American Beauty, Liberty and Kaiserin, bushes; bench plants, $6 per 100; $55 per 1,000. Wietor Bros., 51 Wabash Ave., Chicago.

Extra strong Marechal Neil, 5-in. pots, 30 to 36 ins. tall, 2 to 3 canes, live working roots, 35c. Memphis Floral Co., Memphis, Tenn.

Rose Tausendschon, 3-in., 10 for $1.50; $12 per 100; $100 per 1,000. Dingee & Conard Co., West Grove, Pa.

Rose Newport Fairy. Julius Roehrs Co., Rutherford, N. J.

Roses, 30 new roses for 1908. Peter Lambert, Trier, Germany.

Roses, 2½ and 4-in. Leedle Floral Co., Springfield, O.

Roses. W. & T. Smith Co., Geneva, N. Y.

Roses. L. L. May & Co., St. Paul, Minn.

Roses, 15c to $1. Geo. A. Kuhl, Pekin, Ill.

SAGE PLANTS.

Sage plants, good thrifty sage plants from 2-in. pots. Ready now. Price $1.50 per 100. Cash with order. Virginia Nursery Co., Purcellville, Va.

SALVIAS.

Salvia Zurich, ever-blooming type absolutely true, 2-in., $1 for 25; $3, 100; $25, 1,000. Rooted cuttings, $1.75, 100; $15, 1,000. J. L. Schiller, 929 Prouty Ave., Toledo, O.

Salvia Zurich, 2-in., $3 per 100; $25 per 1,000; R. C., $1.75 per 100; $15 per 1,000; now ready. The Krueger Bros. Co., Toledo, O.

Salvias, in 5 standard varieties, R. C., 90c; 2¼-in., $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Salvia Bonfire and Splendens, R. C., 75c per 100; $6 per 1,000. A. N. Pierson, Cromwell, Conn.

Salvias, R. C., $1 per 100. L. E. Marquisee, Syracuse, N. Y.

Salvias, R. C., $1 per 100; $8 per 1,000. S. D. Brant, Clay Center, Kans.

Salvia Zurich, R. C., $1.75 per 100; 2-in., $3. Perennial Gardens Co., Toledo, O.

Salvia Bonfire, 90c. Byer Bros., Chambersburg, Pa.

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Buckbee's Famous "Full of Life"
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Forest City Greenhouses.
Rockford Seed Farms. Rockford, Ill.

Seeds, Lettuce, Grand Rapids, ¼ lb., 30c; lb., $1; May King, ¼ lb., 40c; lb., $1.25. Cucumber, Evergreen White Spine, ¼ lb., 25c; lb., 75c; Davis Perfect, ¼ lb., 35c; lb., $1.25; Radish, Vaughan's Cardinal Forcing, ¼ lb., 40c; lb., $1.50; Improved Scarlet Globe, ¼ lb., 25c; lb., 70c; 20 Day Forcing, ¼ lb., 20c; lb., 60c. Scarlet Globe White Tip, ¼ lb., 20c; lb., 60c. Tomato, New Globe, ¼ lb., 75c; lb., $3; Comet, pkt., 25c; Sunrise, pkt., 25c. Cauliflower, Earliest of All, pkt., 25c; oz., $2.50. Vaughan's Seed Store, Chicago and New York.

Seeds, Primula obconica, the type, ⅛ oz., 50c; tr. pkt., 15c; grandiflora, mixed, 1-16 oz., $1; tr. pkt., 25c; fimbriata, 1-32 oz., $1; tr. pkt., 50c; Bright rose, 1-32 oz., $1; tr. pkt., 25c; Kermesina, 1-32 oz., $2; tr. pkt., 50c; white, 1-32 oz., $1; tr. pkt., 25c; gigantea rosea, 1-32 oz., $3; tr. pkt., 50c; gigantea Kermesina, tr. pkt., 35c. Vaughan's Seed Store, Chicago and New York.

Seeds, bean, beet, cabbage, carrot, kohl rabi, leek, lettuce, onion, pea, radish, spinach, turnip, swede, aster, balsam, begonia, carnation, cineraria, gloxinia, larkspur, nasturtium, pansy, petunia, phlox, primula, scabious, stock, verbena, zinnia, etc. Giant pansy, $5 per oz.; $1.50 per ¼ oz.; 75c per 1-16 oz. Henry Mette, Quedlinburg, Germany.

Seeds, all kinds. H. H. Berger & Co., 70 Warren St., New York.

If you do not find what you need in our Ready Reference Department, write us about it.

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Seeds. Asparagus plumosus nanus, northern greenhouse grown, per 100 seeds, 60c; 250, $1.25; 1,000, $4; 5,000, $19.50; 10,000, $37.50. Vaughan's Seed Store, Chicago and New York.

Seeds, Primula obconica grandi, blood red, blue, carmine, pink, purple, violet, white, compacta, gigantea, fringed mixed, hybrids, separate, tr. pkt., 50c; 6 pkts., $2.50. O. V. Zangen, Hoboken, N. J.

Seeds, cyclamen, Mont Blanc, Baroness Burdett-Coutts, Crimson King, Duke of Connaught, Prince of Wales, Princess May, Rosy Morn, Picturatum, Dame Blanch, Duke of Fife, Brilliant. Primula Sinensis. St. George's Nursery Co., Harlington, Middlesex, England.

Seeds, onion, Southport yellow and red, $1.20 per lb.; white, $3 per lb. Yellow Globe Danvers, $1.10 per lb. Prize Taker, $1.30 per lb. Fine stocks sweet corn, peas and beans. S. D. Woodruff & Sons, 82 Dey St., New York.

For Sale Cheap.—Cow or Field Peas. I have several hundred bushels of each Whippoorwill and Blue Goose, and other varieties. Wire or write me for prices and samples.
J. T. WALKER,
Memphis, Tenn.

Seeds, Fordhook bush lima, bean, pkt., 10c net; ¼ pt., 30c; ½ pt., 55c; pt., $1. Burpee's Fordhook musk melon, pkt., 10c net; ¼ oz., 25c; ½ oz., 40c; oz., 75c postpaid. W. Atlee Burpee & Co., Burpee Bldg., Philadelphia.

Seeds, verbena, mammoth, colors or mixed, ¼ oz., 30c; oz., $1. Salvia splendens, ¼ oz., 35c; oz., $1.25; Bonfire, ¼ oz., 75c; oz., $2.50. W. C. Beckert, Pittsburg, N. S., Pa.

Seeds, Tomato, the Don, Cauliflower, First and Best. Onion Ailsa Craig. Lettuce, Ideal. Mignonette, N. Y. Market. Weeber & Don, 114 Chambers St., New York.

Onion seed, Canary Islands, Bermuda, red and white, also Crystal Wax. Kuhner Henderson & Co., Teneriffe, Canary Islands.

Seeds. Lawn grass in bulk or pkts., Dickinsons Evergreen and Pine Tree brands. Albert Dickinson Co., Chicago and Minneapolis.

Turnip, American Red Strapleaf. True and cheap to clear. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, Aster Miss Kate Lock, colors or mixed, pkt., 50c each. J. A. Marley, Clarinda, Iowa.

Tree and shrub seeds, domestic and foreign. F. A. Miller, 326 Nicol Ave., Fruitvale, Calif.

Seeds, all kinds. L. L. May & Co., St. Paul, Minn.

Seeds of all kinds. H. E. Fiske Seed Co., 12 and 13 Faneuil Hall Sq., Boston, Mass.

Seeds, sweet peas. Anton C. Zvonlanek, Bound Brook, N. J.

Seeds, peas, beans and garden seeds. Leonard Seed Co., Chicago.

Seeds, all kinds. Bridgeman's Seed Warehouse, 37 E. 19th St., New York.

Seeds, pansy, 1,000 seeds, mixed, 25c; 1 oz., $2.25. H. Wrede, Luneburg, Germany.

Seed potatoes, Red River stock. Onion sets, Vaughan's Seed Store, Chicago.

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Seeds, all kinds. St. Louis Seed Co., 784-786 N. 4th St., St. Louis.

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Seeds, onion, lettuce, sweet peas and other California specialties, C. C. Morse & Co., 48 to 56 Jackson St., San Francisco, Calif.

Seeds, vegetables and flower French grown, High grade. Trade only. Write for contract prices. Chas. Johnson, Marietta, Pa.

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Seeds, growers for the wholesale trade only. Braslan Seed Grower's Co., San Jose, Calif.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seed beans. F. L. Hogue, Carpinteria, Calif. Grower for the wholesale trade only.

Seeds, garden peas and beans. Rogers Bros., Alpena, Mich.

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Smilax, choice young plants, fall sown, 50c per 100; $4 per 1,000. F. A. Baller, Bloomington, Ill.

Smilax, 2½-in., $2 per 100; $15 per 1,000. Geo. Reinberg, 35 Randolph St., Chicago.

Smilax, 6 ft. long, $1.50 per doz.; $10 per 100. The Lamborn Floral Co., Alliance, O.

Smilax. G. C. C. Schrader, Elmhurst, L. I.

SPIREAS.

Spirea Gladstone, 6-in., 50c each; 7-in., 75c; 8-in., $1; 10-in., $2. Pink spirea, Queen Alexandra and Peach Blossom, 6-in., $9 per doz. Robt. Craig Co., 49th and Market Sts., Phila.

Spirea Gladstone, extra nice plants for Easter, 6-in pots, 35c each. Memphis Floral Co., Memphis, Tenn.

Spirea Gladstone, 6 to 7-in., 50c to 75c each. G. Aschmann, 1012 W. Ontario St. Philadelphia.

Spireas, 25c to 50c. Geo. Kuhl, Pekin, Ill.

Spireas. Jacs Smits. Ltd., Naarden Holland,

STEVIAS.

Stevia, R. C., $1 per 100. E. T. Wanzer, Wheaton, Ill.

SWAINSONAS.

Swanisona alba, R. C., $1; 2-in., 2c. Byer Bros., Chambersburg, Pa.

Swainsona alba, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

VEGETABLE PLANTS.

Vegetable plants, tomato: Mayflower, Lorrillard, Earliana, Early Jewel, Early June, 30c per 100; $2 per 1,000. Beets: Egyptian and Crosby, 20c per 100; $1.25 per 1,000. Celery: White Plume, Golden Self Blanching, 20c per 100; $1.25 per 1,000. Pepper and egg plant, 40c per 100; $2 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Lettuce plants. Grand Rapids and Black Seeded Simpson, $1 per 1,000; $9 per 10,000. B. E. Wadsworth, Box 224, Danville, Ill.

Vegetable plants, Aspargus Conovers, 2-yr., 100, 30c; 1000, $2.25. H. H. Kern, Bonner Springs, Kans.

VERBENAS.

Verbenas, red, white, purple and pink, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Verbenas, $2 per 100. Jos. H. Cunningham, Delaware, O.

Verbenas, mammoth, fine large plants from soil, 60c per 100; $4 per 1,000. Hill Top Greenhouses, 15 Gray Ave., Utica, N. Y.

Verbena seedlings, mammoth mix., 35c per 100. Shippensburg (Pa.) Floral Co.

Verbenas, 2-in., nice plants, $2 per 100. The Krueger Bros. Co., Toledo, O.

VINCAS.

Vinca var., R. C., $1 per 100; $9 per 1,000; 2½-in., $2.50 per 100; $22.50 per 1,000; 3-in., $4 per 100; 4-in., $6 per 100. Leedle Floral Co., Springfield. O.

Vinca, variegated, R. C. 90c; 2¼-in., $2.50; 5-in., $15 per 100. Mosbæk. Greenhouse Co., Onarga, Ill.

Vinca variegata, 2 1-4-in., $2.50 per 100. Jos. H. Cunningham, Delaware, O.

Vincas. Geo. A. Kuhl, Pekin, Ill.

VIOLETS.

Violets, Princess of Wales, 2 1-4-in., $3 per 100. Hardy English, $3. Storrs & Harrison Co., Painesville, O.

Violets, Boston, $2 per doz.; $12 per 100; $100 per 1,000. Wm. Sim, Cliftondale, Mass.

Violets, California, rooted runners and divisions, $1 per 100; $8 per 1,000. Wallace Hornaday, Lawton, Okla.

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Angermueller, Geo. H., 1324 Pine St., St. Louis.

Berning, H. G., 1402 Pine St., St. Louis.

Bonnot Bros., Coogan Bldg., 55-57 W. 26th St., New York.

Buffalo Cut Flower Co., 468 Washington St., Buffalo, N. Y.

Cleary's Horticultural Co., 62 Vesey St., New York.

Deamud, J. B. Co., 51 Wabash Ave., Chicago.

Ford Bros., 48 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

Guttman, Alex. J., 43 W. 28th St., New York.

Harty & Co., 1312 G St., N. W. Washington.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kennicott Bros. Co., 48-50 Wabash Ave., Chicago.

Kuehn, C. A., 1122 Pine St., St. Louis.

Langjahr, Alfred H., 55 W. 28th St., N. Y.

McCullough's Sons Co., J. M., 316 Walnut St., Cincinnati, O.

McIntyre, John, 1601 Ranstead St., Philadelphia.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

McKissick, W. E., 1619-1621 Ranstead St., Philadelphia.

Messeberg, G., Brooklyn, N. Y.

Michigan Cut Flower Exchange, 30-40 Broadway, Detroit, Mich.

Millang Bros., 41 W. 28th St., New York.

Murdoch, J. B. & Co., 714 Penn Ave., Pittsburg, Pa.

Niessen Co., Leo, 1208 Arch St., Philadelphia.

N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.

Perkins & Nelson, 57 W. 26th St., New York.

Pittsburg Cut Flower Co., Ltd., 222 Oliver Ave., Pittsburg, Pa.

Pittsburg Florists' Exchange, 217-223 Diamond St., Pittsburg, Pa.

Pollworth. C. C. Co. Milwaukee, Wis.

Randall, A. L. Co., 19 Randolph St., Chicago.

Raynor, John L., 49 W. 28th St., New York.

Riessen Floral Co., 21 South Broadway, St. Louis.

Rice Bros., 128 N. 6th St., Minneapolis, Minn.

Robinson, Henry M. & Co., 11-15 Province St., Boston.

Seligman, John, 56 W. 26th St., New York.

Sheridan, Walter F., 39 W. 28th St., New York.

Smith & Co., W. C., 1316 Pine St., St. Louis.

The Fruit Auction Co., Box 640, New York.

Traendly & Schenck, 44 W. 28th St., N. Y.

Vaughan & Sperry, 58-60 Wabash Ave., Chicago.

Welch Bros., 226 Devonshire St., Boston.

Winterson. E. F. Co., 45-49 Wabash, Chicago.

Young, A. L. & Co., 54 W. 28th St., N. Y.

Young, Jr., Thos., 500 5th Ave., N. Y.

Young, John, 51 W. 28th St., New York.

Young & Nugent, 42 W. 28th St., New York.

Zech & Mann, 51 Wabash Ave., Chicago.

The American Florist invites attention to the class of business firms in its adv. columns.

Growers.

Bassett & Washburn, 76-78 Wabash Ave., Chicago.

Benthey & Coatsworth Co., The, 35 Randolph St., Chicago.

Bruns, H. N., 1409-11 W. Madison St., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Elliott, W. H., Brighton, Mass.

Hill, The E. G. Co., Richmond, Ind.

Jensen & Dekema, 674 W. Foster Ave., Chicago.

Joy Floral Co., 601 Church St., Nashville, Tenn.

Muskogee Carnation Co., Muskogee, Okla.

Peacock Dahlia Farms, Atco, N. J.

Poehlmann Bros. Co., 35-37 Randolph St., Chicago.

Reinberg, Peter, 51 Wabash Ave., Chicago.

Weiland & Olinger, 128 E. 3rd St., Cincinnati, O.

Weiland & Risch, 59 Wabash Ave., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

Wittbold, Geo. Co., 1657 Buckingham Pl., Chicago.

If you do not find what you need in our Ready Reference Department, write us about it.

Woodrow, Samuel A., 53 W. 30th St., New York.

RETAIL CUT FLOWERS.

Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree St.

Albany, N. Y.—H. G. Eyers, 11 N. Pearl St.

Boston—Houghton & Clark, 396 Boyleston St.

Brooklyn, N. Y.—Robt. G. Wilson, Fulton St. and Green Ave.

Buffalo, N. Y.—Palmer's.

Chicago—Hauswirth Florist. Auditorium Annex.

Chicago—Wittbold, Florist, 1657 Buckingham Place.

Dayton, O.—Mathews, 16 W. 3rd St.

Denver, Colo.—Daniels & Fisher.

Denver, Colo.—The Park Floral Co.

Detroit, Mich.—John Breitmeyer's Sons, cor. Miami and Gratiot Aves.

Evansville, Ind.—The Blackman Floral Co., 402 Main St.

Galveston, Tex.—Mrs. M. A. Hanson.

Indianapolis, Ind.—Bertermann Bros. Co., 241 Mass. Ave.

Kansas City, Mo.—Geo. M. Kellogg, 906 Grand Ave.; also Pleasant Hill, Mo.

Kansas City, Mo.—Samuel Murray, Coates House Co., 1017 Broadway.

Los Angeles, Calif.—J. W. Wolfskill, 218 W. 4th St.

Louisville, Ky.—J. Schultz, 644 4th Ave.

New Orleans, La.—U. J. Virgin, 833 Canal St.

Omaha, Neb.—Hess & Swoboda, 1415 Farnam St.

Philadelphia, Pa.—Robert Kift, 1725 Chestnut St.

Rochester, N. Y.—J. B. Keller Sons, 25 Clinton St.

St. Louis.—Geo. Waldbart, 516 N. Grand Ave.

St. Louis, Mo.—Fred C. Weber, 4320-28 Olive St.

St. Louis.—F. H. Weber, Boyle and Maryland Aves.

St. Louis, Mo.—Young's, 1406 Olive St.

St. Paul, Minn.—Holm & Olson.

San Francisco, Calif.—J. B. Boland Co., 47-49 Geary St.

Seattle, Wash.—Woodland Seed & Floral Co., 808 2nd Ave.

Terre Haute, Ind.—Jno. G. Heinl & Son.

Washington, D. C.—Z. D. Blackistone, 14th and H Sts., N. W.

Washington, D. C.—A. Gude & Bro., 1214 F St.

ARTIFICIAL FLOWERS.

Artificial poinsettias. J. Schroader, 2253 Ontario St. Cleveland, O.

BASKETS,

Baskets, No. 1, 8¼x4½x2½ ins., $7.50 per 1,000; No. 2, 9½x5x3 ins., $8; No. 3, 9½x5½x3½ ins., $8; No. 13, 10x5½x3 ins., $8; No. 11, 10½x6x4 ins., $9; No. 12, 11x7x4 ins., $10. Coles & Co., 109 Warren St., New York.

BOILERS.

Boilers, corrugated, firebox and sectional greenhouse heating. Hitchings & Co., 1170 Broadway, New York.

Boilers, improved greenhouse boilers, made of best material; shell firebox sheets and heads of steel; water space all around (front, sides and back). Kroeschell Bros. Co., 45 Erie St., Chicago.

Boilers, the Superior improved internal fired boiler. Made in 10 sizes to heat from 2,000 to 6,500 feet of 4-in. pipe. Superior Machine and Boiler Works, 125-133 W. Superior St., Chicago.

Boilers, Myers & Co., 1122 Betz Bldg., Philadelphia.

Boilers, the Burnham boilers, made for greenhouse heating. Lord & Burnham Co., 1133 Broadway, New York.

Boilers, boilers of high grade for greenhouses. Steam or hot water. Giblin & Co., Utica, N. Y.

Boilers, steel return tubular, steam or water. Johnston Heating Co., 138 E. 31st St., N. Y.

Boilers, water tube steam boilers. King Construction Co., North Tonawanda, N. Y.

Boilers, S. A. Jacobs & Sons, 1365 N. Flushing Ave., Brooklyn, N. Y.

BOXES.

Cut flower boxes. Send for prices. Edwards Folding Box Co., Philadelphia, Pa.

BUILDING MATERIAL.

Building material, hotbed sash, cypress, unglazed, 95c each; in doz. lots, 90c; glazed, $1.65 each; doz. lots, $1.60. Pine sash, unlot, $1.55 each. Building hardware, wire and wire fencing bolts, hatchets, hammers, etc. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Building material, lumber for greenhouse benches, shiplap, drop siding, sheeting flooring, white cedar posts, etc. We are in special glazed, 90c; doz. lots, 85c; glazed, $1.60; doz. position to furnish "Pecky Cypress;" everything in pine and hemlock building lumber. Adam Schillo Lumber Co., cor. Weed and Hawthorn Sts., Chicago.

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Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouses and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Building material of all descriptions for all cypress, semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 113 Blackhawk St., Chicago.

Building and propagating sands, fire brick and fire clay. Portland cement, hard wall plaster. Garden City Sand Co., Security Bldg., Chicago.

Building material for U-bar greenhouses. Pierson U-bar Co., Metropolitan Bldg., 4th Ave. and 23rd St., New York.

Building material of all kinds. S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Building material of all kinds. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn.

Greenhouse material, Louisiana red cypress, Louisiana Red Cypress Co., Hibernia Bldg., New Orleans.

CUT FLOWER HOLDER.

The Anglais decoration, made in section, can be adjusted to any form desired. "Japana" flower holder, 4½-in., 50c; 3½-in., 35c; 2½-in., 25c. Garnsey, 131 S. Waiola, La Grange, Ill.

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Wizard brand pulverized sheep manure, large barrel, $4. The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

Ichthemic guano. in tins and bags. Fame's fertilizer, in tins and bags. Wm. Colchester & Co., Ipswich England.

GLASS.

Glass importers and jobbers; greenhouse glass a specialty. Window glass. James H. Rice, corner Michigan, St. Clair and Illinois Sts., Chicago.

Glass, greenhouse glass a specialty; also window glass. Sprague, Smith & Co., 167-9 Randolph St., Chicago.

Glass for conservatories, greenhouses and gardeners. The Johnson Glass Co., Hartford City, Indiana.

Glass. French and American "White Rose." Stenzel Glass Co., 2 Hudson St. New York.

Glass. High grade, double thick, greenhouse glass. Lord & Burnham, 1133 Broadway, N. Y.

Glass, all sizes. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn, N. Y.

Glass of all sizes. S. Jacobs & Sons, 1365 N. Flushing Ave., Brooklyn, N. Y.

Glass of all kinds and sizes. Sharp, Partridge & Co., 22nd and Lumber Sts., Chicago.

Glass. A and B quality, single and double strength. Baur Window Glass Co., Eaton, Ind.

Glass, greenhouse all sizes. H. M. Hooker Co., 120-128 W. Washington St., Chicago.

GLAZING POINTS.

Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c, postpaid. Henry A Dreer, 714 Chestnut St., Philadelphia.

Siebert's zinc never-rust glazing points, 2 sizes ⅝ and ⅞, 40c per lb.; 16c extra by mail; 7 lbs., $2.50; 15 lbs., $5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburg, Pa.

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Greenhouse construction, builders of greenhouses for private estates, institutions, parks, etc. Pierson U-bar Co., Metropolitan Bldg., 4th Ave. and 23rd St., New York.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 113 Blackhawk St., Chicago.

Greenhouse construction of all kinds and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Greenhouse construction, builder of private or commercial greenhouses. Frank Van Assche, Fulton and Rose Ave. and Dwight St., Jersey City, N. J.

Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction, builders of every type of greenhouses, the most modern designs. Hitchings & Co., 1170 Broadway, N. Y.

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Greenhouse construction and equipment. King Construction Co., North Tonawanda, N. Y.

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Gutters. Garland's gutters will keep snow and ice off your glass. A sample of our gutters is on exhibition at Chicago Flower Growers' Market. Geo. M. Garland, Des Plaines, Ill.

Gutters, cast-iron gutters. Lord & Burnham Improved V-shaped gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, New York.

Gutters. Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

HOSE.

Hose, garden, ¾-in., 4c per ft. Competition garden hose, ¾-in., 50 ft. lengths with couplings, $2. Standard grade, ¾-in., 50 ft., lengths with couplings, 3 ply. 7c per ft.; 4 ply, 9c; 5 ply, 10c. Hose reels, 75c each. Sprinklers, 25c. Chicago House Wrecking Co., 35th and Iron Sts. Chicago.

Hose, 50-ft. lengths, ¾-in., 8½c; for heavy work, 12½c. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn, N. Y.

"SHOWERMAKER," $1. Jos. Kopcsay, So. Bend, Ind.

Hose. J. G. & A. Esler, Saddle River, N. J.

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Tobacco dust, made from heavy Kentucky leaf tobacco. Contains a larger amount of nicotine than any other tobacco dust offered for sale. Packed in barrels of 250 lbs. each. One barrel lots at 2½c per lb.; three barrel lots, 2¼c per lb., f. o. b. Louisville. Prices will be changed as soon as stock is reduced. Axton-Fisher Tob. Co., Louisville, Ky.

Fresh tobacco stems; 50c per 100 lbs.; $10 per ton. Scharff Bros., Van Wert, O.

Insecticides, tobacco paper, 24 sheets, 75c; 144, $3.50; 288, $6.50; 1,728, $35.10. Nicofume liquid, pint, $1.50; ½ gal:. $5.50; gal., $10.50; 5 gals., $47.25. The Kentucky Tob. Product Co., Louisville, Ky.

Insecticides. Carman's Antipest insecticide and fungicide, $1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Fumigating supplies, vaporizing pans for tobacco extract, improved. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Tobacco stems, bales 500 lbs., $1.50. W. C. Beckert, Allegheny, Pa.

Insecticides. Nicotcide Bug Killer, the best bug killer and bloom saver. P. R. Palethorpe Co., Owensboro, Ky.

MISCELLANEOUS.

Hart's Handy Handle, No. 1, 10-ins., $1.75 per doz.: $12 per 100; No. 2, 14-ins., $2 per doz.; $15 per 100; No. 3, 18-ins., $2.50 per doz.; $18 per 100; No. 4, 24-ins., $3 per doz.; $20 per 100; No. 5, 30-ins., $3.75 per doz.; $25 per 100; No. 6, 40-ins., $4.45 per doz.; $35 per 100. Geo. B. Hart, 24 Stone St., Rochester, N. Y.

Pillsbury's Carnation Staples for mending split carnations, 50c per 1,000; can be obtained from Vaughan's Seed Store, Charles W. McKeller, Vaughan & Sperry. Henry F. Michell Co., Wm. F. Kasting Co., E. H. Hunt, or I. L. Pillsbury, Galesburg, Ill.

The Holly Standard Electric Circulator for hot water circulation. The Holly Steam Engineering Co., 135 E. 15th St. New York.

Engravings. Best engravings and illustrations of every description for catalogues. Send for estimates. Globe Eng. & Elec. Co., 427 Dearborn St., Chicago.

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The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

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Wire Work—Manufacturers of artistic florists' designs. New Price list; large discount. Pittsburg Cut Flower Co., Ltd., Pittsburg, Pa.

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Directory for 1908.

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By far the CHEAPEST.

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Pint.....$ 1.50
½ Gallon..... 5.50
Gallon..... 10.50
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Florists' Supplies
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Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florists' Supplies.
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404-412 East 34th St., NEW YORK.

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— MAKER OF —
Artificial Flowers,
344 Ontario St., CLEVELAND, O.

H. BAYERSDORFER & CO.,
Florists' Supplies.
1129 Arch Street, PHILADELPHIA, PA.
Send for our new catalogue.

SCHENECTADY, N. Y.—Chas. Limmer has leased the store at 328 State street and will take possession on May 1 after making considerable improvements.

DETROIT, MICH.—That George Leadley perpetrated a deliberate swindle on Louis M. Knauss, when Knauss traded the Ivanhoe flats on Jefferson avenue for Leadley's floral business, is the opinion of Judge Murphy, given in a decision handed down March 25, in which he orders that Leadley turn the flats back to Knauss and that Knauss give the floral business back to Leadley. On October 2, 1906, Knauss gave Leadley the flats, worth $10,000, and $1,500 in cash for the floral business. Leadley had shown books to Knauss to prove that the floral business averaged a profit of $6,500 a year. The judge says that the books were fixed, that expenses were understated and profits overstated. He points out that since Knauss took hold of the floral business it has improved and that in the trade back Leadley will get a much better business than he had before.

200 HIGHEST AWARDS. GOLD MEDALS from all the Principal Exhibitions

Pure Ichthemic Guano
The most reliable, the Richest Food and the Most Natural Fertiliser. Supplied in tins and bags.

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Swift, Safe and Sure.
The Most Scientific Plant Food extant. Supplied in ti s and bags.

May be obtained of the principal Nurserymen, Seedsmen, Florists and Chemists, or DIRECT OF the Sole Proprietors and Manufacturers,

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DREER'S SHEEP MANURE (WIZARD BRAND.)
FLORIST 100 lbs., $1.75; 500 lbs., $8.00;
SPECIALTIES 1,000 lbs., $15.00. Ton, 2,000 lbs., $30.00.
HENRY A. DREER, 714 Chestnut St., Phila., Pa.

Cattle Manure In Bags Shredded or Pulverized
Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.
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Write us for catalog and prices, stating size you require, and for what kind of flowers you wish to use the refrigerator, also state whether you wish it for display or only for storage.
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FLORISTS' SUPPLIES
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
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THE BEST Bug Killer and Bloom Saver.
For PROOF Write to
P. R. PALETHORPE COMPANY,
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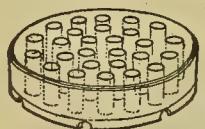
Carman's Antipest
INSECTICIDE AND FUNGICIDE
For the Garden, Orchard and Greenhouse
Non-poisonous and harmless to vegetation.
Kills Green Fly, Aphides, Bark Lice, Thrips, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.
This is the Grower's Friend, handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. $1.50 per gallon. Also in quarts, half gallons and in bulk.
PERFECTION CHEMICAL CO., FLUSHING, N. Y.

Increase Crops in Orchard and Field with
THE AUTO-SPRAY
It is guaranteed to be the most powerful, easily operated, economical hand sprayer made. With it a boy outworks three men with ordinary device. Used by U. S. Government and State Experiment Stations. Fitted with Auto-Pop Nozzle it is equal to large operations as well as small. Write if you want agency. Spraying Calendar Free.
E. C. Brown Co., 74 Jay St. Rochester, N. Y.

Wired Toothpicks
10,000, $1.75; 50,000, $7.50. Manufactured by
W. J. COWEE, BERLIN, N. Y.
Sample free. For sale by dealers.

THE "JAPANA" CUT FLOWER HOLDER



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THE LARGEST MANUFACTURERS OF
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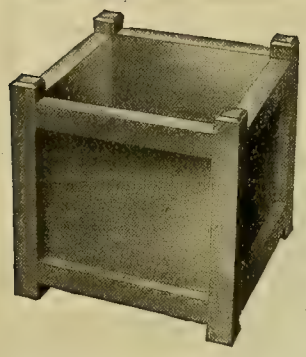

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It you want the most durable and appropriate box made. Very reasonable in price. Made of pine or cypress.

Write for prices.

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EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

Newport.

TRADE GOOD.

Business for the past two weeks has been good, while this week Lent seems considerably in evidence. The weather has been fair comparing it with last year. Gardenias and flowers of all kinds are plentiful.

David McIntosh, who has been head gardener at the Bell estate for 20 years, left here March 25, to take charge of the estate of Mrs. C. M. Bell at Tuxedo Park, N. Y. Mr. McIntosh has been secretary of the Horticultural Society for many years. The society regretted his departure very much as he was the best secretary we ever had. The day before his departure at the regular meeting the society presented him with a fine gold watch, besides many appreciative words and good wishes for the future.

A seedsman in this city dressed a doll and covered the same with garden cress. By moistening, the seed, which will stick anywhere, sprouted in a few days, and after two weeks' time the entire dress was green.

F. L. Ziegler has opened his Bellevue avenue store. A grand opening will take place on April 9, when he will receive his many friends and customers.

Robert Hunick, head gardener for F. W. Vanderbilt for the last 20 years, has resigned his position, and will take a well earned rest in Europe.

The seed business is starting up well. Although the nights are still cold, one can see people digging, and sowing early seeds.

Oscar Schultz has a good general line of Easter plants. It's a boy at Oscar's home.

Stewart Ritchie is building another carnation house.

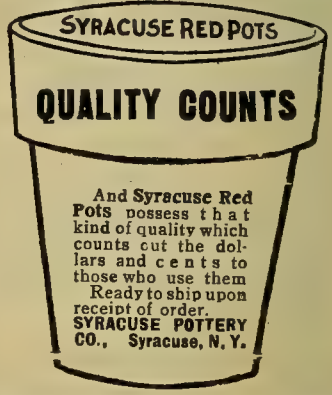
M. Butler & Son have a fine line of Easter lilies.

Visitor: Arthur Zirkman of M. Rice & Co., Philadelphia.

Z.

THE KELLER POTTERY COMPANY,
Manufacturers of FLORISTS' RED STANDARD POTS.
Azalea Pots, Bulb and Fern Pans, Etc.
Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

The Ionia Pot is the Best Pot.
That's the reason why it was necessary to double our capacity in 1907 to take care of the trade of 1908. Our factory equipment is the best. Our output is the largest.
Hand your next season's order to Uncle Sam today. Our invoice will be in your hands on his return trip.
IONIA POTTERY COMPANY, Ionia, Mich.



Standard Flower Pots!
Packed in small crates, easy to handle.

Price per crate			Price per crate		
1500 2-in.,	in crate,	$4.88	120 7-in.,	in crate,	$4.20
1500 2¼	"	5.25	60-8	"	3.00
1500 2½	"	6.00	HAND MADE.		
1000 3	"	5.00	48 9-in.,	in crate,	$3.60
800 3½	"	5.80	48 10	"	4.80
500 4	"	4.50	24 11	"	3.60
320 5	"	4.51	24 12	"	4.80
144 6	"	3.16	12 14	"	4.80
			6 16	"	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address
HILFINGER BROS. POTTERY, Fort Edward, N.Y.
or AUGUST ROLKER & SONS, New York Agents
31 Barclay Street, New York City.

Kramer's Pot Hangers
For Sale by Wholesale Seedsmen, Florists and Supply Dealers.
Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.
I. N. Kramer & Son, CEDAR RAPIDS, IOWA.

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Plants grow best in our Porous Pots.
STANDARD FLOWER POTS, Azalea Pans, Hanging Baskets, etc.
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Before buying write for prices.
361-363 Herndon Street, near Wrightwood Ave.,
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Florist's Red Pots
OF FINELY PREPARED CLAY.
Process and catalogue sent on request.
The Peters & Reed Pottery Co., ZANESVILLE, OHIO.

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"STANDARDS"
FULL SIZE AND WIDE BOTTOMS, BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'F'Y.
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Porosity and Strength Unsurpassed.
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A. F. KOHR,
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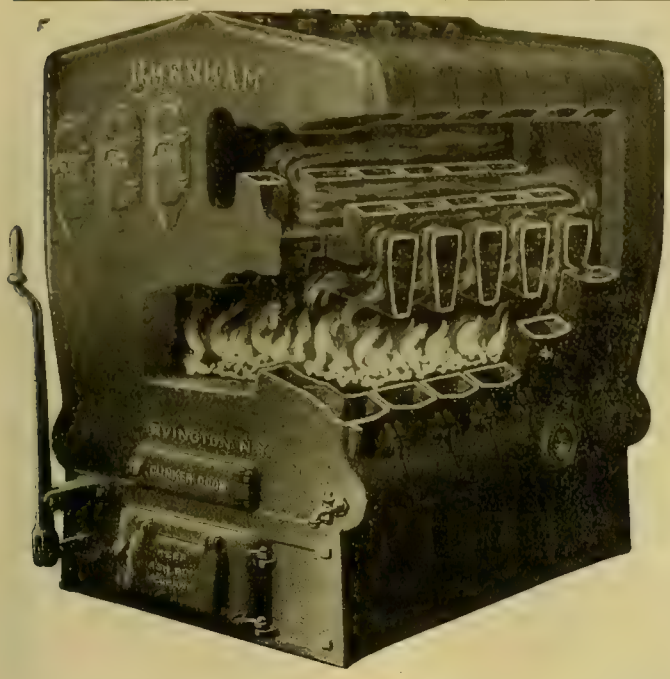

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In the "Burnham."

Because of this deep fire pot, you get all the economies of deep firing by having a hotter fire — one more easily controlled — one that will run longest with the least possible attention, and hold an even temperature at night.

57 sizes — Burns hard or soft coal.
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Johnston Heating Co., 138 East 31st. St. NEW YORK CITY
Write for catalogue and prices.

THE SUPERIOR
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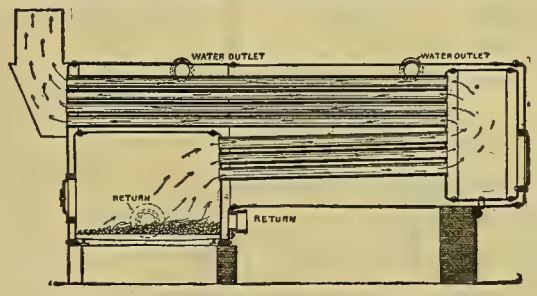
Ask the man th t knows. The names are yours for the asking of them.



12 of these were bought and used by one grower. 6 by another grower.

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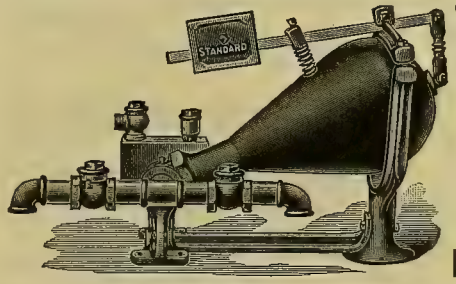

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BOILERS.
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Rutherford, N. J.

A very remarkable exhibit of Easter stock is now to be seen at the range of the Julius Roehrs Co., comprising lilies, roses in tubs and pots, azaleas, spireas, hydrangeas and all other requisites of the Easter trade. A noteworthy feature is a large plant of the new rose Newport Fairy, which made the round trip to and from the Chicago show and is still in good condition. The stock of Dorothy Perkins and other pot roses is very fine, a collection grown as standards, being very noticeable. Such a happy combination of fine flowers and clean glossy foliage as prevails throughout this range, cannot be excelled. It is unnecessary to dilate on the orchids and foliage plants, for in these as in other things, the firm are always in the front rank.

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty, Lasts longer than putty. Easy to apply.

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GREENHOUSE MATERIAL
HOTBED SASH AND FRAMES.
Jobbers in.. BOILERS, PIPE, FITTINGS
—AND—
GLASS on which we can quote attractive prices.
We furnish everything for building greenhouses, etc.
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GREENHOUSE GLASS.
French and American "WHITE ROSE" Brand.
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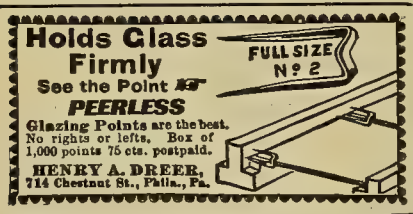
SIEBERT'S ZINC
Never Rust
GLAZING POINTS
Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, ⅝ and ¾. 40c per lb.; by mail, 16c extra; 7 lbs. for $2.60; 15 lbs. for $5.00 by express. For sale by the trade.
RANDOLPH & McCLEMENTS, Successors to Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.



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is to place it with the
NATIONAL FLORISTS' BOARD OF TRADE
56 Pine St., New York.
Why? Because many debtors will pay the Board, fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

WASHINGTON, D. C.—The District superintendent of parking will plant about 600 young trees in the various portions of the city during the next three months, and requests have been piling in to the district commissioners from citizens for shade trees to be planted near their homes. Some of these trees will take the place of old ones which have either died or have been pronounced unsightly by the parking commission. Last year more than 2,500 trees were planted and 1,111 old ones removed. It is expected that at least 2,000 new trees will have been set out during the present year. The commissioners have announced that they will assist in the movement for more artistic and better kept lawns in front of residences.

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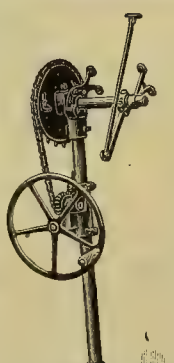
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Best on the market. A trial will prove this.
Write us about our new pipe coupling. Shafting pipe can be firmly fastened together easily with a monkey wrench only. Will furnish our pipe with these couplings at regular prices. Give us a chance to figure on your needs.
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RICHMOND, IND.

Le Journal des Roses.
Organ of the French Rosarians.
Published at Paris. Once a month with colored plates.
Subscription $2.70 per Year. Sample Copies Free.
ADMINISTRATION DU JOURNAL DES ROSES
a SUISNES, Brie
Par Grisy-Suisnes. (Seine et Marne), FRANCE

THE ART OF
Floral..... Arrangement.
The first special newspaper in the world for floral arrangement.
250 ILLUSTRATIONS ANNUALLY.
Specimen number free.
Subscription, $2.40 yearly.
BINDEKUNST-VERLAG.
J. Olbertz, ERFURT, GERMANY.

The Regan Printing House
LARGE RUNS OF
CATALOGUES —OUR— SPECIALTY
WRITE FOR FIGURES.
83-91 Plymouth Place, CHICAGO

Cyclopedia of American Horticulture
BY
PROF. L. H. BAILEY
FOUR VOLUMES - - - - $20.00
Every up-to-date florist and gardener will find it necessary to add this splendid work to his library
AMERICAN FLORIST CO.
324 Dearborn Street, CHICAGO.

Houghton, Mich.—A. E. Lutey, of the Lakeside Floral Co., has a fine crop of carnations and trade is good. This company has ranges at Chassell and Calumet and is well equipped to handle a large wholesale trade.

KNOXVILLE, TENN.—Alex. Dailey has opened a branch store at 511 Prince street.

GREENHOUSE GLASS

PRICES WAY DOWN! DON'T HESITATE! WRITE TO-DAY!

You have been waiting for just such a time as the present and unless all signs fail, you will make no mistake in buying for present and future needs. Tell us the sizes you use, and we will quote prices that mean business.

HOOKER'S GREENHOUSE WHITE

WHITE AS SNOW. READY FOR USE. TOUGH AS LEATHER.

Years of experience and study have produced this wonderful wearing white and you know it requires just as much time to put on a cheap paint as it does the best.

Half Barrels, (25 Gals.) per gal. $1.40. 5 Gallon Buckets, per gal. $1.50.

H. M. HOOKER COMPANY,

Long Distance Phone Monroe 4994.

120 to 128 W. Washington St., CHICAGO.

Louisville.

CARNATIONS SELLING WELL.

Business conditions the past week have been very poor. Roses of good quality are plentiful, and find a fair demand. Carnations of good quality sell well, but seconds generally find a sad outlet. Violets are scarcely seen, and the demand is very poor. Lily of the valley has a slow demand, far from being equal to the supply. The warm weather has brought the bulbous stock out very rapidly, and at present there is a glut. From the present outlook there will not be much in this line for Easter. Other plants such as spireas, azaleas, rhododendrons, bougainvilleas, lilacs, etc., will be in very good supply. Green goods are very scarce. A big Easter is looked for.

NOTES.

P. A. Reynolds and M. H. Struck have engaged in the flower business under the firm name of Reynolds & Struck. Six acres of ground have been bought at Buechel, a short distance from the city. There will be three houses 22x100 feet devoted to roses, carnations, lilies and other stock. They will also grow peonies, dahlias, and other stock. Work has already commenced, and when completed the place will be an ideal one. Mr. Reynolds will have charge. He was formerly with the late C. H. Kunzman, and until recently with Geo. T. Hodges. The crop will be handled by Fred L. Schulz, the wholesale florist. The new firm is wished much success.

Owing to the building of a new hotel, Wm. Walker will be compelled to move, and has selected a store on Jefferson street between Third and Fourth, which should prove a very good location. He will run both stores for Easter.

F. L. S.

EL PASO, TEX.—At the regular semi-monthly meeting of the El Paso County Horticultural Society, held at the court house March 24, a paper on "What Shrubs to Plant and When," by Wm. Dunman, head gardener at the Union Printers' home, was read by Edward Johnson. The paper, which was very appropriate for the time of year, contained many valuable suggestions on the planting of shrubs, both native and foreign, and instructions for their care throughout the summer months. The paper was followed by an interesting discussion. On April 7 an interesting paper on "Children's Gardens; Their Value as Educators" was read by Miss Van Pelt, principal of the Helen Hunt school.

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SINGLE AND DOUBLE STRENGTH

CATCHY PRICES. QUICK DELIVERY.
WELL PACKED. NEAT BOXES.
CAREFULLY LOADED. MINIMUM BREAKAGE.

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Jobbers of WINDOW GLASS.

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A SPECIALTY.

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Louisiana Red Cypress

SAYS BOBBINK & ATKINS, of Rutherford, N. J., "Lasts with us from two to three years longer than any other wood for table purposes, and its life seems to be endless when used in ordinary greenhouse construction. We use cypress solely in our Plant Tub Department and manufacture tubs of all sizes from the smallest to the largest, of cypress."

It Is Best for Greenhouse Building.

It is the only wood that successfully withstands the almost intolerable alternate wet and dry conditions incident to this work.

IT IS THE MOST DURABLE WOOD KNOWN. Ask about it at your local lumber yard or write

LOUISIANA RED CYPRESS CO. HIBERNIA BUILDING, **New Orleans, La.**

The Allied Trades

Descriptive particulars—with drawings or photographs, if possible—of any new apparatus or device which may prove helpful to the trade are solicited for this department.

THE Bureau of Manufactures is in receipt of a communication from a New York export house which is desirous of hearing from manufacturers of American cement who wish to introduce their goods into Cuba and all the South American countries. Spanish-speaking representatives of the firm in question are shortly to leave for extended trips through the above-mentioned territory, and manufacturers who are prepared to go into the export business and compete for this trade should furnish full details as soon as practicable.

A New Shafting Coupling.

The Advance Co., Richmond, Ind., is putting on the market a new coupling for line shafting in greenhouses to take the place of the old screw couplings and has applied for a patent on same. This makes it possible to couple the line shafting in a very substantial manner by the aid of a monkey wrench only, thus doing away with a very disagreeable job of screwing the pipe together by means of pipe wrenches up under the glass. The firm purposes equipping its shafting pipe with this new coupling and selling the pipe at regular rates.

Big Boilers in Demand.

The Kroeschell Bros. Co. reports that while the trade outlook was not favorable a short time ago, it now looks as if the hard times were over. Already this firm notes a larger number of orders booked than a year ago, and a peculiar feature of the business is the demand for boilers of the larger sizes. Two of the largest boilers have been sold to one firm of vegetable growers in Mississippi. A number of others has been sold in practically every state since January 1. Mr. Kroeschell states that he is now negotiating with one concern which will shortly install three No. 15 boilers, each of which will heat 50,000 square feet of glass, and he adds that it is noticeable that hot water heating is daily increasing in popularity, referring to very large ranges as well as to those of smaller size. If present indications materialize the firm claims this will be the banner year as far as business in greenhouse boilers is concerned. Mr. Kroeschell has remarked an increased interest in vegetable growing in the south.

THE FOLEY MFG. CO.

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Completely Equipped with Up-To-Date Machinery for the MAKING OF MATERIAL FOR

GREENHOUSE CONSTRUCTION

FROM A FULL SUPPLY OF THOROUGHLY SEASONED LUMBER.

Send your sketches to our draughtsmen for completion and suggestion. Permit us to figure your proposed work large or small. **We Guarantee Our Prices Will Save You Money.**

Foley Ventilating Apparatus is the Best.

Is simple in erecting. Is easiest of operation. It will last a life-time. Its price is the lowest. Will ventilate any size house. Prices and circulars on application.

Our 1908 Catalogue Greenhouse Material sent postpaid on request.

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A wonderful opportunity is offered you to buy lumber and building supplies of every kind at ***Prices that will save you big money.*** Such a chance seldom occurs. Lumber for your house, church, barn, meeting house, crib, store, factory, and in fact, buildings of every kind. We can furnish absolutely everything needed in construction material. Have your carpenter or builder make a complete list of everything you require, including Lumber, Sash Doors, Nails, Roofing, Siding, Ceiling, in fact, anything you may need in building material or merchandise of any kind.

Send us your Lumber Bill for Our Estimate.

We bought at Manufacturers' Sale over 50,000,000 Feet of all kinds of Lumber and Finishing Material. We are making special concessions, to those who buy at once. Even if you have no use for this lumber at once, it will pay you to buy now. Our prices will save you 30 to 50 per cent.

We cheerfully invite inspection of our Lumber stock and will be glad to have you come to our warehouse and yards at Chicago, see the lumber we are offering, and you will recognize that it is all what we say of it; make your own selection and see it loaded. It is not necessary to come to Chicago; we can easily sell you by mail. We can quickly convince you of the wisdom of placing an order with us. Just send us your lumber bill, and we will easily ***"Show You."*** On application we will send copies of letters from customers who have bought. They saved money why can't you? Write us to-day. ***WE PURCHASED EVERY EXPOSITION, INCLUDING THE $90,000,000 ST. LOUIS WORLDS' FAIR*** ASK FOR OUR FREE 500 PAGE CATALOG, No. C. H. 47. IT QUOTES LOW PRICES ON BUILDING MATERIAL, MACHINERY AND FURNITURE.

CHICAGO HOUSE WRECKING COMPANY, 35th and Iron Sts., CHICAGO.

HAZLEWOOD, N. J.—Fire destroyed the greenhouses owned by E. C. Regman of Jersey City, located near here, March 29. The total loss is estimated at $3,000, upon which there is an insurance of $1,500 only.

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXX. **CHICAGO AND NEW YORK, APRIL 18, 1908.** **No. 1037**

THE AMERICAN FLORIST

TWENTY-THIRD YEAR.

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Address all correspondence, subscriptions, etc., American Florist Co., 324 Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—FRANK H. TRAENDLY, New York, Pres.; W. N. RUDD, Morgan Park, Ill., Secy.; H. B. BEATTY, Pittsburg, Pa., Treas. Next meeting at Niagara Falls, N. Y., August, 1908.

THE NATIONAL FLOWER SHOW.

CHICAGO, November 6-15, 1908.

Wm. F. Kasting, Buffalo, N. Y., is chairman of the general committee in charge. Chairmen of sub-committees follow:

EXECUTIVE AND FINANCE—Wm. F. Kasting, Buffalo, N. Y.
AMERICAN EXHIBITS—Ph. Breitmeyer, Detroit.
FOREIGN EXHIBITS—E. G. Hill, Richmond, Ind.
PREMIUM LIST—W. N. Rudd, Morgan Park, Ill.
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LOCAL MANAGEMENT, PRIVILEGES AND CONCESSIONS—J. C. Vaughan, Chicago.
SPECIAL FEATURES—Otto G. Koenig, 6471 Florisant Ave., St. Louis, Mo.
RECEPTION—Aug. Poehlmann, Morton Grove, Ill.
AUDITING—J. A. Valentine, Denver, Colo.
TREASURER—I. C. Bertermann, Indianapolis, Ind.

The above chairmen have power to select their various committees from the general committee of 50 or the members of the S. A. F. at large.

Rice and Flowers.

In the neighborhood of Shanghai an English sailor on his way to the foreigners' burial ground to lay a wreath on the grave of a former comrade, met an intelligent looking native carrying a pot of rice.

"Hello, John!" he hailed, "where are you goin' with that 'ere?"

"I takee put on glave—glave of my fiend," said the Chinaman.

"Ho! Ho!" laughed the sailor, "and when do you expect your friend to come up and eat it?"

John was silent a moment and then replied, "All time samee your fiend come up and smellee your flowers."

SUGGESTIONS FOR PLANT GROWERS.

Coleuses.

So easily and cheaply grown and showy a plant as the coleus should be freely propagated and grown, not only for baskets and window boxes, but for sale all through the summer. Cuttings may be inserted at any time and anywhere and if kept fairly warm and moist will root very rapidly. Pinch them as soon as rooted; pot the plants in the 2-inch size and when feeling the sides of the pots pinch the shoots again and repot into 4½-inch. At each potting use a light soil composed of nearly two-thirds light, well decayed manure and sand and pot only moderately firm. On a bench in a light, moist house, and kept moist at the roots, the plants will make a very rapid growth and take on a very bright color. They may not bring a very high price but if properly managed they are grown, sold and out of the way in a couple of months and this, too, at a time when space is not so valuable inside as it is earlier in the year.

Left Over Easter Plants.

There is always a certain number of plants left over, no matter how good the trade has been, and these should not be allowed to lie about but given whatever attention is needed. Azalea Indica and its varieties, after the flowers are past, make a new growth and should go into a house where they can be kept growing and where there is plenty of moisture in the air until it is time to place them outside for the summer. An ideal place for the purpose is under the partial shade of trees where the pots containing them may be plunged in coal ashes or some similar material to keep the sun from the roots. No plant ought to be exposed to the full summer sun without some protection. Heaths, genistas, azaleas, boronias and many other hard wooded plants delight in sun. They can hardly have too much of it in fact, but their roots must be in a cool, moist, medium not subject to violent alternations of drought and moisture. And they may just as well be given this attention at once. It is useless to allow them to get into a bad way first and then endeavor to put them right. Let them get right away into a natural growth, first clipping them into shape a little, if this attention is needed, and they will be nice stock to house in fall that will turn in good money, instead of being a disgrace to the place. Whatever attention is necessary in the way of repotting should be given; nearly all this class of stock likes a solid root run, composed of sound loam, enriched with decayed manure and lightened with sand. Firm potting leads to solid growth and vice versa and the growth of hard wooded plants must be solid to be of any value. Frequent spraying and keeping the roots moist is the principal attention needed after the plants are outside.

Cyclamens.

It is customary to sow cyclamen seed well apart in order that the seedlings may not be disturbed until they have attained considerable strength. The earlier, fall sown plants will have been potted before this but the later ones are just pushing up the second leaves from the little bulblets and are just in the right condition for a shift. Whether they are potted now or placed farther apart in flats is immaterial if they are well looked after. Inexperienced growers will probably be safer with their plants in flats, but whichever way they are grown they must be kept well up to the light in a position where they can be shaded from bright sunlight when necessary. Growers of cyclamens are often afraid of burying the corms but they need not be. It is wrong to bury them deeply, but, just covered with soil, they are protected from sun and air, keep soft and throw up foliage freely. As the season advances they will gradually work up, or the soil sinks away from them. The failures to grow good cyclamens are difficult to account for. Their culture may be summed up in very few words. A constantly moist and genial temperature, with all the light possible in winter and sufficient shade in summer will prevent injury to the foliage. The roots must be given new compost before they get potbound so that they are never checked and, after they have filled the flowering pots, they must be fed regularly until finished. Never hurry, or attempt to hurry, the plants by applying strong heat, but, on the other hand, never let them be checked and always

keep them free of insects. This is all there is to it, yet how frequently we see miserable, stunted looking and insect infested plants that are anything but a credit to the grower.

Azalea Mollis.

The mollis and Ghent azaleas are a long suffering race and come up smiling each year even after very bad treatment at the hands of growers. It is folly to expect them to do their best if kept about in pots exposed to the sun all summer and the roots half starved. Where there is a deep black soil, free from lime, these azaleas may be planted out in as moist a position as possible and will make a fine healthy growth. Where the soil is unsuitable the plants, after flowering, should be repotted and plunged outside. They like peat, but will grow in a good loam and the flower buds are often stronger and more numerous from a loam soil than from the peat in which the plants grow so rapidly. In either case, see that the plants are firmly potted and remove any seedpods that may be left on. Cut the plants into shape a little and keep the hose going about them freely, to induce a good break. They like a cool, partially shaded position, and the nearer this can be approached in their summer quarters the better.

Pelargoniums.

Many growers do their plants well up to the time they begin to flower and then they check, the flowers coming thin in texture and the plants suffering in the foliage. Too many people have the idea that as soon as a plant reaches the flowering stage feeding has to stop or at least be greatly curtailed. Pelargoniums make a rapid growth all the time they are flowering and, being strong feeders, have used up the nutriment in the soil before flowering commences. Consequently plenty of feeding is necessary right up to the time the plants are finished. But stock for next season has to be considered, and it is well known that plants highly fed are not the best stock producers. If possible save a few plants for stock and feed them only very moderately, pinching out the flowers and keeping them growing so long as possible. When these plants are cut back they should, of course, be dried off a little and, in addition to the number of cuttings they produce, they will be fine stock for potting on for another season. Referring back to feeding the flowering plants, never keep going on one kind of food too long. Change from the ordinary manure water to chemicals and occasional doses of soot water. Nitrate of soda helps later on when the ordinary manures are losing their effect. Insects, especially green fly, are troublesome to these plants and should be kept under. There is nothing so good, as a preventive, as tobacco stems around the pots, and these should be frequently changed, but occasional fumigations are also necessary.

Croton Sunshine.

This is a sport from that meritorious and useful variety, Queen Victoria. It differs therefrom in the leaves being irregularly marked with yellow, which becomes intensified, if the plant is not given too much pot room, and is exposed to the full sun. These markings, which may readily be observed in the illustration, give this variety a most striking appearance, and, in consequence, increase its decorative value. Queen Victoria and its sport, Sunshine, are among the very best crotons ever sent out, whether for bedding in summer or for home adornment in warm rooms in winter. We find there is quite a difference in crotons when lifting them in the autumn after being bedded out all summer, Fasciatus being one of the very worst in this connection, losing lots of its leaves and some plants dying outright, whereas, Sunshine and Queen Victoria are among the very best, scarcely losing a leaf and recuperating quickly. The plant from which the photograph was taken was grown by Wm. Robertson, gardener for John W. Pepper, and exhibited at the Philadelphia fall show.

E. L.

ORCHID NOTES.

At Lager & Hurrell's, Summit, N. J.

From being, but a comparatively short time ago, novelties in horticulture, orchids are now looked upon as necessities and are each year being more generally used by the masses of the flower buying public. While they are subjects of general admiration in the show windows of the retail florists' at weddings and other social functions, probably the most interesting views and sidelights may be obtained by visiting a range where their culture is made a specialty.

At the range of Lager & Hurrell, Summit, N. J., orchids are made a specialty in the strictest sense of the word, and a few hours spent with these amiable and energetic collectors and growers are well repaid, by the sight of a remarkable collection of all the varieties now in commerce and many others that, if not commercially so important, are very interesting from the view point of the fancier. The many varieties of cattleya deserve more than passing notice, not only for their great beauty, but from the fact, that it is the commercial importance of the cattleya that has made the orchid trade what it is today. The exhibits by Lager & Hurrell, of these flowers, have been prominent features of many horticultural exhibitions of the past and the blooms which they send annually to the New York market, would, in round numbers, make interesting statistics.

The dendrobium and its hybrids are now attracting much attention from all branches of the trade. While the cattleya seems secure in its supremacy, it may here be noted, that dendrobiums have fine qualities that appeal to both the grower and the decorator. One of these is the fine flowers that are cut from very small plants. It is not unusual to find plants of these varieties in 2-inch pots blooming profusely. On one plant of this small size, 12 good blooms were counted. As blooming plants or cut flowers, the dendrobiums serve admirably for window decoration.

Phalænopsis amabilis, one of the species that comes from the Philippine islands, is remarkably beautiful, as well as a very useful member of the orchid family. Its decorative effects are very striking, as may readily be seen from the accompanying illustration.

The cypripediums are now grown in such variety that nothing short of a catalogue can convey an idea of their importance in the trade. Among the many

CROTON SUNSHINE.

varieties now grown, both novelty and beauty are combined to a marked degree. In the illustration here shown of a vase of cypripediums, grown at this place, there are over a dozen different varieties. C. Leeanum and C. insigne Lageræ are kinds that are now attracting much attention.

Cymbidium eburneum, which comes from China and Burmah, produces beautiful white flowers, and, while not so generally known as many other varieties, it is well worthy of the attention of fanciers. There are many other varieties of the orchid, impossible to note in this brief sketch, that are beautiful and interesting, and a visit to such a range as this will repay anyone interested in the many rare and curious varieties of this most notable plant.

THE ROSE.

BE sure every bit of mildew is killed before the fires are dispensed with and start the summer clean at any rate.

KATE MOULTON, pink, and Cardinal, red, are becoming well known among retailers in the west. Both are well worth growing if their behavior in the Chicago growing plants is a criterion.

NEVER wait until the weeds get "big enough" before weeding the benches devoted to young roses. Clean them off when small, as much for the sake of keeping down green fly as for tidiness.

ROSE GROWERS will do well to keep in mind the next few months that there is an optimum degree of sun that roses can stand and do well under. When this point is reached shading is necessary as shown by experiments and tests carried out with rose foliage.

Care of Grafted Stock.

Experienced growers of own-root stock sometimes find a difficulty in handling that grafted on the manetti in the earlier stages. In the former they are used to watching the roots very carefully, knowing that if these are kept right not much can happen to the tops. But when grafted stock is first taken out of the cases the tops or scions are the most likely to go wrong. The roots had got a fairly good hold already before the stocks were placed in for grafting and have been improving on this while in the cases, and with anything like care are well able to look after themselves; but the proper flow of sap between stock and scion is only beginning, though while in the moist cases the leaf has held up all right, and it is here that care and watchfulness are needed.

The change from the moist grafting cases to the drier air of the growing quarters must be brought about gradually. A sudden change from one to the other will cause many of the young growing shoots to wilt and then the plants may as well be thrown away for all the good they will do. Give them a stand on a light bench, but before arranging them there have the shading arrangements made. A strip of muslin the width of the bench and of suitable length should be tacked to a roller or otherwise conveniently arranged so that it may be quickly applied. It is best arranged about one foot above the heads of the plants. The first day they are out the roots will probably dry out very rapidly and a thorough soaking of water must be given; the roots must be freely watered until they have become inured to the change. Spray the heads lightly about two or three times daily when the weather is bright, the last spraying being given so that the foliage will be dry by the evening. Just at first close shading will be necessary, for the least sun is dangerous. But as the union between stock and scion becomes more perfect and it is apparent that the latter is drawing its sustenance from the roots rather than from the moisture in the atmosphere, then reduce the shading by degrees until it can be dispensed with entirely and spray less frequently.

By the time the plants are ready to go to the full sunlight they will also be ready for repotting and another batch will probably be ready to come out of the cases. In handling the stock, whether for potting or giving a new stand, much care is necessary. Careless help will do more mischief in snapping out the heads of the plants than their wages amount to, if not constantly watched, and it pays to put the best and most careful hands that can be spared to the work. Let the potting be moderately firm. Loose potting leads to a quicker growth at first, but it soon runs out and the growth is not as satisfactory. Give a thorough watering after repotting and shade the plants from bright sunshine for a few days. They will soon take hold and may then be treated exactly as established stock. The only other attention necessary from this time on is to give the plants ample room, as they need it, to see that the watering is kept regular and even, not allowing blocks of plants to dry out or get extremely wet, and to pick off all flower buds as they appear and thus throw the whole of the energy of the plant into good wood and foliage. Overcrowding, careless handling and sudden changes of temperature and atmospheric conditions in the earliest stages are the three worst stumbling blocks to the inexperienced grower.

CYPRIPEDIUMS IN VARIETY.

Roses in Colorado.

A paper read by J. A. Valentine, Denver, Colo., at the ninth annual meeting of the American Rose Society, held at Chicago, March 25-27, 1908.

The state of Colorado, situated a little to the west of the geographical center of the United States, is about 375 miles long from east to west, about 275 miles wide, and has a total population of about 650,000. Denver, the principal city and capital of Colorado, with a population of about 200,000, is situated a little to the east and north of the center of the state. In traveling from Chicago to Denver, your journey would be a little longer than from Chicago to New York.

In going west from here by rail, you reach the Missouri river at Omaha in about 500 miles. From there for more than 500 miles you cross an immense plain, with an average rise of about seven feet to the mile, so that by the time you reach Denver you will be a mile above sea level.

You will have traversed the state of Nebraska from east to west, and a large part of this state is now fertile and productive farms, although within the memory of some of those here today it was a portion of the Great American Desert, and considered sterile and unproductive. My own personal knowledge of this region only extends back about 25 years, but I can very well remember when the meridian of 100° was spoken of as a dead line, beyond which it was absolutely impossible to conduct any farming enterprise without irrigation. Today the situation is so far changed that a great many people are contending that profitable farming without irrigation is possible even as far west as Denver, and more than that they are showing a good many substantial results to justify the faith within them.

EASTERN COLORADO.

The eastern half of Colorado is part of the immense plain already mentioned, and the western half is mountainous. The main range of the Rockies lies directly west of Denver, with the crest of the range only about 50 miles away, with numerous peaks reaching an elevation of 14,000 feet, and the gaps or passes ranging from 10,000 to 12,000 feet. Westward from here the whole state is mountainous, with many fertile valleys between the ranges, some of them narrow and some of them wide; but from the eastern to the western boundary of the state the whole region is arid, with a very light rainfall, which averages about 14 inches per annum in the vicinity of Denver; and farming by ordinary methods is not possible without irrigation. Evaporation is at all times very rapid, and dews almost unknown.

Recently a great many experiments have been conducted under what is known as the "Campbell System," which briefly means intensive cultivation and a retention of the moisture in the soil by continually keeping the surface in a pulverized condition, and thereby preventing evaporation. It is too early to speak with entire confidence as to results, though success has been achieved in many cases, and the striking results obtained may well carry a lesson for florists whose carnations are suffering from drought in the field.

The whole state is blessed with abundant sunshine both in summer and in winter, and except in the mountainous portions, the winter climate is mild with but little snow. There is a wide daily range of temperature, nights being cool in summer and cold in winter. There is also a great difference between the temperature in the sun and in the shade, largely due to the absence of moisture in the atmosphere. Naturally in a climate so widely different from the climate of the eastern states, problems arise peculiar to this locality.

In any arid region the vegetation is scanty, and this same condition has existed back during the countless years in which the surface soil was being formed. Consequently the soil contains very little fiber and very little decayed vegetable matter, but the soluble salts are apt to be present in large quantities, because there has been little water to dissolve them and wash them away. Some of these salts are beneficial and some of them are harmful. In many localities alkaline salts are present in such quantities as to make the soil utterly useless, and the water of the streams naturally partakes of the chemical qualities of the soil so that in a great many cases the water is so badly impregnated as to be utterly unfit for use. Many florists in the arid region have failed because they neglected to investigate the quality of their water supply before deciding upon a location.

ROSE SOILS.

It is generally possible to find soil which will produce good roses in the field, but it is difficult to find it heavy enough to be satisfactory and at the same time porous enough to permit of heavy watering, in the benches. Our heaviest soil, called adobe, formed from decomposed shale, is certain to contain alkali, and cracks very badly when dry; but by a careful selection of soil most growers are meeting with fairly satisfactory results, although there is still much to be desired and the ideal soil has not yet been obtained.

It is not an expensive or a difficult matter to secure a determination of the soluble salts in a sample of water, and the Department of Agriculture will furnish valuable advice in such cases if requested. When it comes to an analysis of the soil, the situation is very different, for then the problem becomes very complex, and what with soluble and insoluble food, moisture content, mechanical condition, and nitrifying and denitrifying bacteria in numerous varieties, the layman searching for information becomes confused and is quite ready to agree with a recently published statement of Prof. Corbett to the effect that the plant itself must tell you by its action whether the soil is suitable. Yet even the soil sharps quarrel among themselves, and many of them claim that soil analysis is a safe guide. Your Illinois Experiment Station seems to be among the latter, and more than that, they support their claims by results which lead us to hope that the present confusion will some day crystallize into tested and accepted methods whereby the man in the laboratory may give wise counsel to both the man with the hoe and the one with the hose.

Owing to the exceedingly dry atmosphere and the light rainfall, it is very difficult to get good results from the composting of soil in Colorado. If sod is piled up it does not rot but dries out. If manure is mixed with the soil its chemical condition remains unaltered for a long time. Some of our rose growers have on that account absolutely abandoned the use of manure in soil put into the benches, and all growers use it with great caution. When used as a top dressing it should be mixed with about an equal quantity of soil. It is safe to say that if a rose grower in Denver were to top-dress his benches with such quantities of green manure as is used in the vicinity of Chicago, he would hardly have a leaf left on any of his plants at the end of a week. We Denver growers are simply amazed at the impunity with which manure is used in this vicinity.

ROSE ENEMIES.

Among the ordinary evils which rose growers have to contend with there are none of them which we do not have. The dry air seems to suit the red spider to perfection, but with our continual sunshine we are able to syringe the roses freely without any bad effect. Blackspot attacks American Beauty and the hybrid teas to some extent, but is not nearly the scourge that it is in the east. Thrips, like the poor, are always with us, though the green fly propagates as freely with us as elsewhere, but is eradicated long before we get rid of the thrip.

Mildew has been quite a problem with us in August and September. In the summer time our houses not infrequently show a temperature of 110° when they are not shaded, although it is very rare indeed that the weather bureau reports any temperature above 95°, and some of our September days are nearly as hot as midsummer. We frequently get a night temperature in June, July and August of 45°, with 6° or 7° lower than that on rare occasions, and we expect a severe frost about the middle of September. At

PHALÆNOPSIS AMABILIS.

MEMBERS OF THE COLUMBUS, O., FLORISTS' CLUB.

the place where I have charge, we keep steam in the boilers all through the summer, believing that it pays to do this as a protection against mildew; and yet, last summer we had a great deal of mildew, while one of our neighbors did not fire at all and his stock was perfectly clean. Owing to the dry air one would naturally expect us to be free from this trouble, and I am not competent to say why we are not.

OWNROOT VS. GRAFTED ROSES.

A number of years ago our tea roses were not producing well, and were not making a good growth. Investigation disclosed the presence of immense numbers of eel worms. Our dry climate and our mild winters seem to be just suited to the production of nematodes in the open ground. After a very thorough comparative test, we abandoned the growing of tea roses on their own roots, and have now for a number of years grown them only on manetti. For a considerable time we sterilized the soil that we put in the benches, but this process has been abandoned as the manetti stocks have seemed to be perfectly immune. I believe that a large proportion of the tea roses grown in Colorado are now grown on manetti stocks.

The growing of American Beauty on manetti has been quite extensively tried, but the results have not seemed to be decisive either for or against this method, and the gain, if any, was so slight that all American Beauty is now grown on its own roots.

So far as I know, none of our native roses have ever been used as stocks upon which to graft or bud roses for forcing or for garden use, and I presume the probabilities are against securing any good results, but the experiment ought to be worth trying. We have one or two native roses that are quite vigorous in their growth, and they are doubtless resistent to the evil effects of the alkaline salts so generally prevalent in the soil. Probably nothing but an actual test could determine how well they would respond to winter forcing, though the chances are that they would prove rebellious.

Dormant roses of all kinds are hard for us to handle. They are slow in making roots, and it requires careful handling to keep the wood from shriveling. Such roses as Crimson Rambler are always in evidence in the stores at Easter but plants that are really well done are always scarce, and no grower can be absolutely certain of his results.

Our people as a rule are but just beginning to show a proper appreciation of garden roses and shrubbery, and within the last few years business in these lines has largely increased.

OUTDOOR ROSES.

Owing to the peculiar climatic conditions already outlined, the growing of roses in the garden presents a great many problems, and it is a difficult matter to get the average householder to understand just what is required in the way of care, so that repeated failures have discouraged a great many. Dormant roses shipped in from the east generally arrive with the roots badly dried, and a large percentage of them die. Reputable concerns should for their own sakes, use more care in packing shipments for the arid states so as to prevent this drying out. Shipments are also made by the itinerant peddlers, who care nothing for the interests of their customers, and the buyer is not entitled to much sympathy when he finds his investment a total loss. But such transactions are an injury to the business, for a man is loth to try again if his first purchase proves a failure.

Roses which are hardy in regions where the temperature goes very much lower than it does in Denver, often winter-kill with us, but it is not the severe cold that kills them. A plant suffering from drought will not endure the same degree of cold that it would if the soil were in a reasonably moist condition. Since November 1 we have had a total rainfall of less than 1½ inches up to March 15, and during that time we have only had three storms where the precipitation was one-quarter inch. Then again we have a great many warm winter days, and especially warm days in February, March and April, which make the buds swell, only to be severely frozen later on.

During this same period the nights are generally about 25° colder than the days, but this difference sometimes reaches to more than 50°, and on rare occasions to nearly 60°. It is obvious that a day temperature of 70°, followed by a night temperature of 20° in April, is more than any rose plant can well withstand.

The drying winds and the bright sunshine also work a great deal of harm, and with us it is more essential to provide protection from the sun than it is from the cold. We find that plants on the north side of a tight board fence generally come through the winter in pretty good shape, while those on the south side of the same fence are very apt to die. Tea roses do not seem to have vitality enough to withstand our winters even when protected, but the hybrid teas do very nicely and are planted quite largely. Climbing roses are apt to have the wood badly killed back unless they are in a position where they are sheltered from the sun.

Owing to our dry winters, few hardy roses are planted in the fall, and spring planting of field grown stock often meets with failure unless the planting is done very early. In our establishment we have advocated the planting of young roses from 4-inch pots in preference to field grown stock, the results being much more satisfactory. By fall these roses are vigorous bushes and in good condition to endure the hardships of winter. Roses on their own roots are much to be preferred to budded stock for the garden, because if the tops are badly killed back they are likely to make good growth again from the bottom.

ADVICE TO NEWCOMERS.

I find that in many quarters the idea prevails that an apprentice who has served a year or two in the east can come to Colorado and rank as a first-class florist. In other words it is thought that our methods are crude; our growers ignorant and unskilful, and our structures of an obsolete type. We are apt to be a little resentful of such an

assumption, for it is erroneous, and while I do not wish to appear boastful, it is due the florists of our section to say that they are an intelligent lot of men, whose character and methods will not suffer by comparison with the florists of any other section. While our houses are not as expensive or as extensive as some in other parts of the country, they are in the main well suited to the purposes for which they are intended. Our rose growers do not cut a large number of flowers on extra long stems that would grade as "specials" in this market, because our market does not demand much stock of that grade, and also because our climate tends to produce a more slender growth and a more early setting of the buds; but the stock averages well, is well colored unless faded by too much sun, and would sell well in any market.

Nothing which I have said should be construed as intimating that the problems with which we contend are more difficult than those encountered in the eastern states, but they are different. Our ranks are constantly being augmented by accessions from the east, and any florist who has succeeded there may confidently expect to succeed anywhere; but he will make a great mistake if he allows his previous success to blind him to the fact that a strange country means strange conditions, and that those who have gone before him are in all probability able to aid him by a recital of their own mistakes. Whether they will aid him will depend largely upon his own attitude.

The people of the west speak of a newcomer as a "tenderfoot," and until he has become acclimated he will find it politic to assume a meek and lowly demeanor. If he does he will receive a cordial welcome and find his fellow florists a lot of good fellows; but if he begins by commenting adversely on what he sees, and sins still further by predicting the things he proposes to accomplish, he cannot wonder if the natives stand back and prepare to laugh, when he proves the truth of the adage that "Pride goeth before a fall."

Most rose growers who come to our climate from the east come with a feeling that the dry air and continual sunshine are all they need to insure success, and there is no disguising the fact that we are free from troubles that are so serious a matter to our eastern brethren during the dark days of winter; but dry air and sunshine are not the only essentials. The regions where vegetation grows luxuriantly are regions that have a humid atmosphere and the cloudy days which necessarily come with such an atmosphere. Many a rose grower has come to Colorado, and scorning advice has attempted to dry off his roses in the summer for the purpose of starting them up later, as he had been accustomed to do. The drying is easy, but the subsequent starting is a problem. We frequently carry over roses to the second and even the third year, but we do not attempt to stop them, and we keep them practically in full growth, even if we propose to transfer the bushes from one house to another.

SUPPLY AND DEMAND.

Just at present in Denver the supply of cut flowers is decidedly in excess of the demand. This is apt to be true with us for a short time in the fall and again in the spring, but during the rest of the year the supply and demand seem pretty well balanced. There was a time when a great many roses were shipped to Colorado by eastern growers, but I believe that practically none are shipped in now.

The people of Colorado as a class are what would be termed "good spenders," but not in the way that seems to be generally imagined. There are very few instances of the lucky miner with more money than he knows what to do with. They generally buy what they have use for, and are willing to pay a fair price for it, but it is a mistake to suppose that they are disposed to throw their money away. On the other hand what is commonly known as "shopping" or "haggling" for the sake of getting a small reduction in the price is not very much practiced.

The prices which are obtainable in the Denver market are never as high as the highest prices obtainable in the Chicago market, especially at Christmas, but prices are more even the year through, and a considerable part of the retail trade is supplied under contract, where the prices are fixed in advance. No one has ever made a success of a wholesale commission house in Denver, and it looks as though such an enterprise could not be a success until there is room for two such concerns, for it is hard to get the growers to place confidence in a man who has no competition.

As nearly as I can determine, the forcing of roses in Colorado only dates back to 1873, when Gus Opitz grew a dozen plants or so. The following year Rushmore & Son planted Hermosa, Isabella Sprunt, Safrano and Lamarque, all in a house about 50 feet long.

I have sent out numerous inquiries, and using the replies received as a basis, I estimate that the florists of the state are at present forcing about 35,000 Beauties, 30,000 Brides, 20,000 each of Bridesmaid, Chatenay and Richmond, and 10,000 other roses, including Roosevelt, Killarney, Perle, Kaiserin and Moulton. It is interesting to note that not a single concern reported any Liberty, and that rose seems to have been completely supplanted by Richmond.

RETAIL BUSINESS.

The retail business in the state probably approximates $650,000 per annum, or $1 for each inhabitant. I would not like to venture an estimate of the amount of wholesale business done with adjoining states, but it is considerable. These figures must seem absurdly small to Chicago florists who are accustomed to places with a million feet of glass under one management; but some day the men who have grown rich in Chicago will make their homes in Colorado, where summer and winter are alike delightful, and we in our turn will build large places and get rich catering to their wants.

Just at present there does not seem to be any opening for increased areas of glass in the vicinity of Denver, but there are doubtless a number of small towns in the state where a florist could start in a modest way and gradually build up a business which would be fairly remunerative. Such a man would do well to work a year for some established concern where he could observe the methods practiced, and he could then start for himself with less risk of costly mistakes. If success came slowly he would find some compensation in the joy of living among a warm hearted and generous people, in a glorious climate with noble mountains in view, whose charm would ever increase. What better can any country offer than moderate financial success in such an environment?

This paper would not be complete without some reference to the present financial condition, and I am glad to be able to say that in Colorado the recent depression has not made any appreciable difference in the business. It may be that it is yet too early for us to feel the bad effects from the late panic, and there may still be for us a day of reckoning, but like all others, we are glad to put off the evil day as long as possible.

Advertising.

A paper by Robt. Pyle, of the Conard & Jones Co., West Grove, Pa., read before the Florists' Club of Philadelphia, April 6, 1908.

Philadelphia is the home of one of the largest if not the largest advertising agency in the world. Some 25 years ago one of the leading men of that firm and easily one of the most prominent advertising men in the country today, used to say after laying out an advertising campaign with one of their clients, "Well now, as to results you know and I know that neither one of us know anything about it."

But in spite of the chances they found they were taking as to the outcome Mr. McKinney and the man with whom he

EASTER PLANTS.

Yellow Azalea Mollis Arranged with Ferns.

was working continued year after year to turn over to the printer and publisher in hard cold cash approximately three times the amount of the net profits of the preceding year of that particular firm, and gradually and steadily built up a business reputation and confidence in the name of that firm which is now known in every flower growing country on earth. It is the printing press and the post office that has made such conquest possible.

HEINZ AND BARNUM.

For our purpose tonight advertising may be said to be "applied salesmanship" with the possibility of sales multiplied to the "Nth" power, but the printed sheet is by no means the only medium. Heinz with his 57 varieties built a big pier at Atlantic City and I have no doubt as an advertising move it pays him well. P. T. Barnum during the height of his fame as a circus manager upon coming to one of the largest cities is said to have rented a small plot of ground adjoining the tracks of a leading railroad which carried thousands of passengers every day to and from the city. He set an elephant to work ploughing that field with a man from Ceylon as a driver. You can readily imagine the interest that such a spectacle would create. People talk about and papers print the novel things that interest them, and the amount of free publicity that Mr. Barnum obtained would be difficult to estimate.

Looking at it broadly, advertising is publicity, telling other people something about which you want them to know, influencing them to think of you and to desire the thing you have to sell, whether it be pickles or seats at the circus, professional services or Easter lilies. But, tonight, of course, we are most interested in floricultural and horticultural advertising.

THINGS WE HAVE TO SELL.

Flowers, trees, seeds and bulbs are the things we have to sell and right here comes a distinction, at least I would like to make the following perhaps arbitrary distinction for the more convenient handling of my subject. Some of us are growers, some are commission men, and some cater to the general public and naturally we have a different selling proposition in each case. To the former the trade papers are the mediums of vital interest (more about them later). The rest of us including we'll say the seedsmen, nurserymen and general catalogue-men have learned that we must depend upon advertising for our bread and butter.

Because of the very nature of the case the advertising carried on by these men is perhaps as broad and general as that done by any class of men in the plant business. Perhaps, therefore, it would be worth our while to go into the office of one of these firms and watch them laying plans for next season's campaign.

The conditions which the advertising man has to face are these: As buyers he has all sorts and conditions of men and women; they are located all over the country; the product which he has to sell includes all kinds of plants, trees, etc., used to beautify the surroundings of the average American home. Please note here the use of the word "average," cutting out that class of homes which look to the landscape architect for their advice. The average American, we believe, depends upon the florist's catalogue as a rule and upon the magazines which he gets treating of this subject to give him the information necessary for the decorating of his grounds.

SALESMAN AND CATALOGUE.

The first and indispensable thing for a salesman to consider is his catalogue or primarily a list of the things he has for sale with the prices thereof. But the successful catalogue man knows that bare lists and prices themselves will bring very little business, therefore, he devotes time and earnest effort and spares no expense to arrange, amplify, and beautify his catalogue. He will take care to have the plants properly classified, to have them carefully and accurately described, and also to include if possible directions for their culture, until it becomes a veritable encyclopedia of the things listed. He also engages the services of the best artists, will have his own photographic department or go where he can to get illustrations that will speak louder than words and make his catalogue to vie with the modern magazine in rare attractiveness.

In making up a catalogue we think it is always well to bear in mind the attitude of the men or the women who will read it. Amateurs as a rule who want to know and are glad to be shown, of course, and there are some women who will read a catalogue from cover to cover no matter how long the descriptions; but the general tendency and a good one is to cut down these long descriptions and to insert in a clear, readable, well arranged manner only such things as would stand the test of actual usefulness and give an accurate picture to the prospective purchaser of the thing he is asked to buy. There are many other details that might be treated of, for which there is not room here, as regards the size of the catalogue page, the number and kind of illustrations, special offers, bargains, etc.

ENGLISH AND AMERICAN CATALOGUES.

Before leaving the subject we would like to call attention to the fact that the English florists of today are ahead of their American brother as evidenced by the splendid specimens of catalogue making which they furnish patrons, not only as regards fine paper, beautiful illustrations, but the comprehensive text-book-like treatment of the subjects listed make them really delightfully entertaining in every way, and if the high prices which they seem able to get is any criterion, we believe they must be good pieces of advertising. We have here a sample of one of the English catalogues, nearly 400 pages—heavy plate paper, exquisitely executed color work—weight 2½ pounds, in the mails. They must cost more than $1 apiece.

The catalogues issued in our country average in price from one cent to 35 cents each in the mail bag. There are a great many houses publishing about 100,000 books; very few approach the million per year edition. The number needed depends, of course, upon the number of regular customers, as we call those who order year after year, plus the number of new names that may be obtained in one way or another, so that right here comes the next point for the advertising man to consider in laying out his campaign: How many new names will he get?

NEW CUSTOMERS.

The answer which almost immediately follows is, how much money have you got to spend? This question is more easily answered when some plan of operation has been arrived at. How shall we go about it to get new customers, a problem more fascinating than a game of chess, most uncertain as regards the outcome but often bringing rich rewards. How shall we reach the general public? To a man with a small place doing a local business that problem would be a comparatively simple one. He would probably put up a sign, make his place look as attractive as possible, using the local papers and sending out to his list

PAN OF LILY OF THE VALLEY BY H. N. BRUNS, CHICAGO.

of customers attractive bits of advertising literature at proper intervals. Of course, this is but a mere outline of what he might do. But our general catalogue man is catering to a very scattered public with wonderfully diversified interests. Living under multifarious conditions of climate and environment he must catch their eye and gain their attention long enough to impress them.

One of the first things to consider, therefore, is what mediums shall he use, and the second thing is what kind of a proposition will he circulate through these mediums. It is very much like sowing seed, good seed in poor ground is not much better than poor seed in good ground, both must be good to form a successful combination. Let us, therefore, first consider the soil, or the mediums.

ADVERTISING MEDIUMS.

Judging from the way he spends his advertising appropriation the average seed and plant advertiser has in the past plainly found it most profitable to use the magazines and some other periodicals, giving little attention to either bill-board, street car or other such forms of advertising. First in the list are the papers which hold for him somewhat the same place as the trade papers do for the wholesaler and the commission man. I refer to the garden magazines with which you are all familiar. Next after this class we would name the women's publications, and of course there is another long list, important among which are the farm publications, and this leads us to another very important matter, that of tracing results.

TRACING RESULTS.

We understand that Burpee depends upon a certain proportion of the people answering his advertisements stating in what periodical they saw the advertisement, and in that way learns which ones pay best. Where possible we believe it pays to key every advertisement and check the returns. We have here a schedule showing the number of orders received and the cost per order and cost per reply to a certain list of papers from a certain proposition for a certain period of years, and you can readily understand how helpful is this schedule in selecting mediums for future advertising.

SPACE.

The next question perhaps will be, how much space shall we use? Does it pay to use a large space in a few mediums or a small space in a great many? Will it pay better to spend $4,000 for putting an advertisement on the back cover of the Ladies' Home Journal for example or to use the same amount of money in buying full page space in four of the leading monthly magazines. Of course, these are extreme cases, but the same principle applies, and it is no easy matter to decide questions of this kind. We believe it pays to take sufficient space to very certainly catch the attention of the woman who is not likely to be interested, and to take that space in the magazines of good standing and large known circulation, which you know reach the class of people for whom you are making a bid.

COPY.

The question of copy is perhaps the most fascinating of all. We know of no easier way to waste money than to buy space and to fill it but poorly. The first question to consider may be, will you advertise directly for orders or advertise for names, or in other words get people to send for your catalogue, which can be depended upon to make the sales? Look through the advertising pages of any current magazine and we will find samples of every type. Templin, for example, offers a beautiful lace fern, free, tacking on the provision that 4 cents must be sent to pay cost of packing and postage; that four cents is a good foil to keep off mere curiosity seekers. It appeals to the people who want much for little but the advertisement is well handled and also ought to appeal to the very best names. An advertisement of this kind will undoubtedly get circulation for the catalogue.

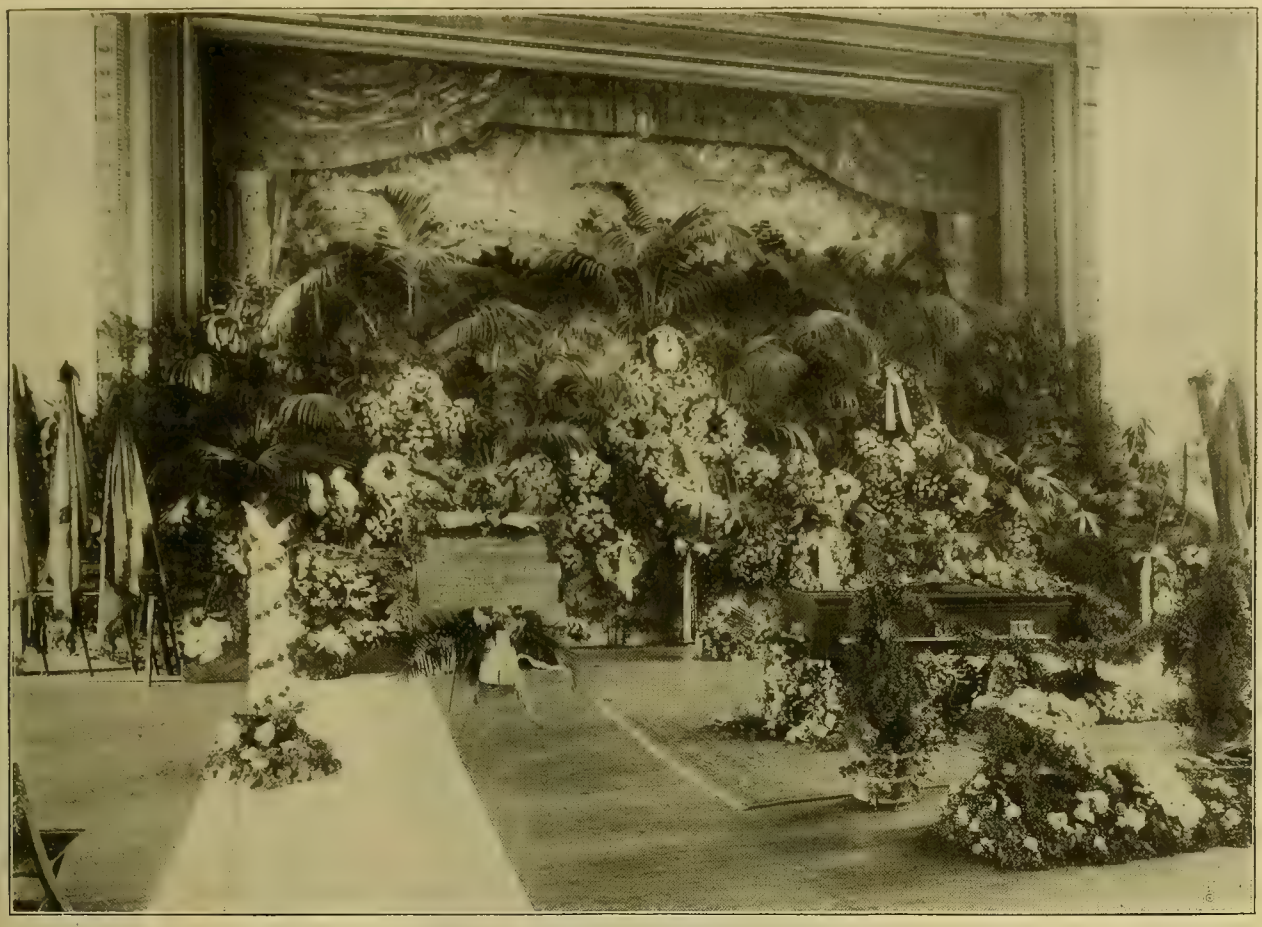
Another type you are sure to note is that of making a definite offer of a collection or a novelty. There is some risk as to whether or not such offers will pull and this is the test for the man who writes the advertisement. Personally we have tried the free offer plan, and have secured thousands of names that have cost not more than a penny apiece; we have tried the second plan above referred to and have got some orders to cost us not less than $4 apiece, but after we had counted up the cost of the catalogue sent on each particular proposition, and considered the returns from all the sales made there was very little difference in the net result. Countless examples of this kind might be related but all go to show that it is as important to consider the quality of the names thus secured as it is the cost to get them. Cyrus Curtis, head of the Ladies' Home Journal Co., once said that if he got back one quarter of what he put into his advertisements he considered it was paying him very well indeed, and it took six figures to show the amount he was then expending each year.

DISPLAY.

There are a few things that may be worth mentioning in connection with display in advertising. Some artists or some advertisers seem to have the knack of getting up an advertisement that will stand out strongly on the page. Some years back white on black advertisements were very much in evidence and still are distinctive when well done. You will remember the excellent advertising done by the greenhouse construction companies in the trade papers, what splendid taste is displayed, an attractive illustration, strong borders, white space and well selected and well arranged type, and best of all good, straight from the shoulder talk.

There is a characteristic style in the clean appearance of Burpee's advertising, from which for the most part illustrations are eliminated, except in the way of their trade mark or their green label. When the term "uneeda biscuit" was coined for the National Biscuit Co., there

FINE FLORAL PIECE BY McALLISTER, PASSAIC, N. J.



FLOWERS AT AN INDIANAPOLIS FUNERAL.

was also adopted a particular style of letter and from that day to this whether on billboard, box, or magazine, we think we are right in saying, that that particular style of lettering has always been retained.

Advertisers have learned the value of repetition. "Water dropping day by day wears the hardest rock away." Repeated taps of the hammer will finally break the stone. There is a little "ad" that appears in the trade papers most pleasingly distinctive, and I daresay there is hardly a man in this room who is not perfectly familiar with the little label pictured in the firm name of the Leedle Floral Co. It is impossible for one to think of the advertisement of that firm without picturing in his mind the form of that little signature, which shines out boldly on the most crowded page.

A good trade mark can be hammered into the consciousness of the people you are trying to reach. With it, if it be strong enough, you can count upon gaining the attention of every passerby every time he comes along, and very much oftener, and very much more surely, than if your "ad" was dressed up in the common garb of ordinary type.

TESTIMONIALS.

Testimonials, it seems to us, are worthy of mention, as being strong arguments in advertising. They are recovering from the violence done them by the patent medicine man. In the first place they come from disinterested, at least unprejudiced persons, and in connection with catalogue work especially, if not with advertisements, they add conviction as to the pulling power of the thing advertised.

FREE READING NOTICES.

Many of you probably remember how at a large reception given to President Roosevelt, in course of the naval review in New York harbor, there was a certain flower that figured conspicuously in the decorations. Just how much John Lewis Childs is responsible for the Gladiolus America being used for the president's reception we know not, but it is very certain that the amount of free publicity gained through the press, as the result of this gladiolus being used, would have cost Mr. Childs many thousands of dollars if paid for at regular advertising rates.

Any one who has been reading the trade papers for the past few months has surely had impressed upon his mind the fact that there was a new hydrangea on the market. Because of the discussion over a name, that hydrangea has been advertised so widely that it is almost as famous as old H. paniculata grandiflora, yet our genial friend from Indiana, the famous introducer, we suppose has not been charged a cent.

Some people are trying to believe that they are reducing the profession of advertising to a science. They claim certain conditions produce certain results, just as life insurance men have their mortality tables. The most successful advertisers, or the man entrusted with the expenditure of the largest sums of money, still advise, and wisely practice what they preach, as follows: "Try out every scheme (no matter how promising it may appear on its face) thoroughly on a small scale. First tabulate results, carefully watch results and your correspondence, then shape your course accordingly.

Just one more thought I wish to leave with you. When you advertise, be ready to "deliver the goods." Do not disappoint or your advertising campaign might just as well not have been. Good stock, right prices, with prompt, courteous attention to customers will win trade and create a confidence that will be hard to shake. This is by no means the least important.

Again we repeat hold your customers by good service, because after all a satisfied customer is your best advertisement.

To the Salesman.

Anything but a salesman coming into your store puffing a cigarette! What a poor impression he makes on the man he is trying to sell goods to. The other day a salesman came into the store with a cigarette in his mouth; he stood around waiting for the proprietor and after a while, when he was at liberty, the young man displayed his goods and again lit another cigarette. The consequence was he did not get an order, partly because we did not need much of anything he had, but mostly because we had no use for cigarette fiends. T.

A Scented Dahlia.

T. C. Schmidt, of Erfurt, has introduced a dahlia which is characterized by a sweet scent recalling that of honey. The plant originated in Mexico, and is said to be of good habit. Planted out in May, it flowers in July and August, the blooms being of a shade of orange-scarlet, and borne on long stems, thus rendering them very suitable for use as cut flowers. The plant reaches a height of four to five feet.—Gardeners' Chronicle.

MADISON WIS.—The new greenhouse which F. Rentschler is building at Baldwin and Jenifer streets is rapidly assuming shape. It is of modern design, steel and glass entering almost wholly into its construction, and will be devoted to roses.

THE RETAIL TRADE

ALL surplus stock should be shown as much as possible. It will not sell if packed away on shelves.

IN a recent issue of the American Business Man there is an interesting article on "Profit and Pleasure in the Florist's Shop."

NEATNESS in packing, in the deliverer and promptness are very desirable. They do not make up for poor flowers but they are a great aid to business.

THE "Shopping List," a memorandum book issued by Rock's Flower Store, Kansas City, Mo., is the neatest thing we have seen this year in Easter booklets.

THE Easter invitation of the Saltford Flower Shop, Poughkeepsie, N. Y., has been mailed to customers in a little white rabbit, enclosed in a neat cardboard box. Bunny, in this attractive form, finds much favor with the ladies.

Funeral Flowers.

The fine display of flowers and plants depicted in the accompanying illustration were used at the funeral of a prominent citizen of Indianapolis, Ind., recently. The flowers were furnished by the various florists of the city and the whole arranged by Bertermann Bros. Co. J.

Fine Floral Piece.

The floral piece here illustrated was made by W. L. Hundertmark, manager for Mrs. M. McAllister, Passaic, N. J., and is of a design specially made for the firm. In the crescent, lily of the valley and white lilac are used at the center; the points on each side are of violets, white carnations form the star and the base is a bold arrangement of Easter lilies. Mr. Hundertmark has evidently a light touch with his work, a very important aid in making up effective designs without crowding.

Easter Business at Chicago Stores

Probably there was never a holiday looked forward to with more optimistic feelings than the present Easter. Coming late, there is every probability of good weather and, as stock is of good quality and moderate in price, the retailers should have a busy and profitable time. Bookings in the best stores are away ahead of any previous Easter and at Fleischman's, Geo. Wienhober says they have taken more money during March than last year, when there were no money troubles and when Easter was included in the month's sales.

Roses are possibly the most interesting flowers. They are excellent in color and substance and very plentiful. Carnations are not so plentiful, but there is no difficulty in filling orders and there are still a few good violets and plenty of orchids. Plants are plentiful and good. One of the finest displays made is at the Eaton Flower Shop on Jackson boulevard. Chas. Baluff has just returned from an eastern trip and has a lot of fine stock and sundries. We noted here a remarkably fine specimen hydrangea over a yard across and carrying magnificent flowers, besides a number of smaller but perfect plants. Mr. Baluff is loud in his praises of the New York stores and speaks very highly of the window displays there.

At John Mangel's preparations are being made for a record breaking Easter, and the stock of plants is fine. Very fresh and well colored azaleas and good lilies, palms, ficus, Baby Rambler roses and genistas were noted and the pretty specimen cupressus around the outside of the store give it a bright appearance. We noted the Japanese air plant in pretty little chip baskets but Mr. Mangel wisely prefers the real and fresh flowers to anything of this class. Harry Rowe has some extremely fine pyramid and other box trees, grand specimens that should sell well. The windows here are always attractive and contain excellent stock in all leading varieties.

Bride's Bouquet of Kaiserin Roses and Lily of the Valley.

By the Late Col. F. P. Davis, Mobile, Ala.

At Hauswirth's at the time of writing the Easter stock proper had not been displayed, Mrs. Hauswirth preferring to wait until later in the week so that patrons can see the plants all fresh at the time they want them. But some remarkably good cut flowers are shown, notably in roses. Gardenias are favorites here and there is a number of fine healthy looking specimens bearing numbers of the chaste, white, sweetly scented flowers. Not only the down-town stores but those on the north, south and west sides all are looking forward to good business and stocking heavily of good plants and flowers.

One of the prettiest things we have seen in a long time is the charming violet box by Fleischman. The cover is a hand painted figure of a lady in summer garb with a parasol and large bunch of violets. It is exquisitely got up and should prove a good seller. Here are noted some beautiful, small, bright yellow Japanese chrysanthemums and we had to look twice at them to be sure we were not mistaken. Good yellow chrysanthemums in April are, to say the least, unusual. Yellow marguerites and some excellent English irises were also noted. Easter orders began to come much earlier than usual here and much heavier in number and there is no question but that a very heavy trade will be done.

Time would not permit of our visiting many of the principal stores but all are showing good stock and plenty of it. At the Alpha Floral Co.'s store we found everyone busy and a great stock of cut flowers and plants on hand. This firm turns over a great quantity of stock and we noted Cardinal and Killarney roses in excellent shape. Plants, such as primulas, hydrangeas, lily of the valley, ferns and all the popular and showy Easter kinds are well displayed and we noted quite a number of orchids, including cattleyas, cypripediums and the bright and effective old Dendrobium nobile.

London.

When calling at the Dyson Lane Nurseries, Edmonton, H. B. May & Sons, I was somewhat surprised to find cement benches in general use; they have been here for many years. For fern growing, they well serve their purpose, and while being economical, are unfavorable to the harboring of insects. They are lasting and cleanly in use, two very strong points which find favor with the growers.

WINTER FLOWERING CARNATION SOCIETY.

The fourth exhibition of the Winter Flowering Carnation Society was held in the Royal Horticultural Society's hall, April 1, in fine, bright weather so that the merits of each variety could be seen. It is to the credit of Sussex growers that they kept level with those in more favored sunny Guernsey. C. L. Waters, Balcombe, was awarded a gold medal for 24 varieties, Rose Pink Enchantress, Beacon and Winsor being his leaders. Princess of Wales (Malmaison) and Pride of Exmouth, a pale salmon pink for which the grower claims a large sale, were also fine. N. H. Page, Hampton, also had a gold medal for a very fine group, his most prominent varieties being Mrs. Lawson, My Maryland, Queen Louise and Beacon. H. Burnett's gold medal group contained Marmion, Mikado, The President and Mrs. H. Burnett. A gold medal was also awarded Hugh Low & Co., Aristocrat and Beacon being their best.

Silver gilt medals went to A. F. Dutton, for 19 vases, Bell & Sheldon and Morres & Co., of Guernsey, while G. Lange, of Hampton, and C. Engelmann both had silver medals for fine groups. The following were the principal awards in the competitive classes.

Thirty-six blooms, any white variety.—W. H. Lancashire, first, with White Perfection.

Thirty-six blush.—W. H. Page, first, with very fine Enchantress.

Eighteen any white.—Bell & Sheldon, first, with Lady Bountiful.

Eighteen blush.—Bell & Sheldon, first, with Enchantress.

Eighteen light pink.—A. F. Dutton, first, with Winsor.

Eighteen deep pink or rose.—W. E. Wallace, first, with Nelson Fisher.

Eighteen crimson.—Bell & Sheldon, first, with The President.

Eighteen scarlet.—A. F. Dutton, first, with Beacon.

Eighteen any other color.—C. Engelmann, first, with Imperial.

Twelve blooms of any variety not in commerce.—W. H. Lancashire, with Ivanhoe.

W. Haymond, of Kingston, took all the principal prizes in the decorative classes, showing excellent flowers well arranged.

S.

"Window Gardening." *

Books treating in a simple and easily understood manner of the plants that may be grown in a window and their culture are not too plentiful and we welcome this useful and practical little work of about 150 pages by Herman B. Dorner. In his introduction the author treats of the causes of failure and selection of plants for the purpose, and his advice is concise and to the point. He gives an excellent list of receptacles for use in windows and the illustrations in this connection are appropriate and practical and not merely cuts thrown in to fill up. Under potting, 13 pages and several illustrations are devoted to practical and excellent methods suitable for this kind of gardening, and this is followed by chapters on soils, watering, fertilizers, light, heat and ventilation.

Insects are treated on in a comprehensive manner and the methods of destroying them fully discussed. Propagation comes next and is considered under the heads of seed and cuttings. Bulbs, the great standby of the window gardener, have 16 pages devoted to them, the book finishing with notes on foliage and flowering plants, in which the most suitable kinds are discussed. As hinted above, the cultural and other details are given in language easily understood and as the author is a skilled grower himself and, moreover, comes of a family of distinguished florists, the advice given is thoroughly reliable. The book is neatly bound in a green cloth cover, with gilt lettering. It has 43 illustrations and is just the handy little book that amateurs and plant lovers like to have ready to use when any little matter crops up on which they require information. Retail florists should keep this book in stock for their customers. The price is $1.20.

To Be Done Now.

IN THE GREENHOUSES.

A night temperature of 50° is ample to keep young cyclamens growing well but there must be a nice growing atmosphere always.

Continue to root the young green shoots of the aloysia or lemon verbena.

Keep a watch on the pelargoniums as the flowers advance and fumigate at the first sign of green fly.

Otherwise healthy plants of carnations will grow out of an attack of rust but those badly affected and weak should be thrown out.

Pinch the young bouvardias regularly until the requisite number of shoots is obtained.

Many incipient green fly attacks may be checked by sprinkling a little tobacco powder in the points of plants likely to be affected.

A light shading must be put on palm houses that are not provided with blinds.

Continue to bed out nephrolepis runners as they are fit to take off. Shade and water carefully at first.

IN THE STORE.

A little nitrate of soda sprinkled on the surface of the soil of the store palms occasionally will help the color of the foliage.

Pansies never seem to be in the wrong place. They associate well with almost every other flower.

Keep spireas in pot saucers of water or they will not last long, and advise customers to do the same.

There is no other rose that improves in color on opening so much as Killarney.

A thorough clean up all around will be in order as soon as the Easter rush is over.

Dull green pot ware, or bright green ribbons are far more effective than other colors of either.

*We can supply any of the above books when price is quoted.

OUTDOORS.

Rose pruning must be finished up now. The stronger the grower the longer the shoots may be left.

Start in early with the hoe; it gives the weeds no chance and helps to warm up the soil.

Push on with the herbaceous stock planting before the plants make too much growth.

Remove any winter killed wood from tree peonies and also shoots not strong enough to flower.

When cleaning the herbaceous borders, carefully avoid the young shoots, which are sometimes very near the surface even if not actually showing.

The Late Col. F. P. Davis.

Soil preparation for carnations, asters or other outdoor flowers must be pushed as soon as possible.

See that newly planted trees do not suffer for want of water. The drying winds and sun soon search out the moisture in the newly moved soil. Frequent hoeing of the surface is a great help along this line.

When digging plots in the garden see that all paths are cleaned first. Throw the rubbish on the plot, to be dug in as the work proceeds.

A Frost Alarm Clock.

An inventor at Kennewick, Wash., has produced what is termed a "frost killer" for orchardists. The device is a combination of an alarm clock and a thermometer. On the approach of frost the thermometer registers and sets off the alarm, which is placed in the house. Tanks of crude oil are kept in the orchard, 40 to 60 small cans being required to the acre. When the alarm is given the orchardist goes to his oil cans and starts them burning and the temperature of the atmosphere surrounding the trees is raised from two to six degrees, making the threatened danger nothing to be feared.

HIGHLAND PARK, ILL.—Geo. Brown, an aged gardener who for many years had been employed in various local places, was found dead near a clump of maple trees, a favorite spot of his, April 12.

BUSHNELL, ILL.—The remains of Wm. Clossom, 30 years ago owner of the Prairie City nurseries, were buried at that village April 2. He expired at the home of his son, G. W. Clossom, in Kansas City, Mo., at the age of 92 years.

OBITUARY.

Col. F. P. Davis.

Col. Franklin Pierce Davis, Mobile, Ala., died suddenly at his home April 6. Col. Davis suffered considerably from indigestion during the year, but was not considered seriously ill. He did not get up on the day of his death, saying he felt pain in his body and wanted the doctor to examine him. This was done, with reassuring remarks by the doctor. In the afternoon, having been busy all day with his mail and other business concerns, he complained that he felt a sudden pain and called Mrs. Davis to his side. With her hand on his forehead he experienced a seizure, his head fell back and he was dead without struggle or pain.

Col. Davis for many years was manager of the Cotton Press Association, and was born in Mobile June 18, 1852. He was educated at Barton Academy After leaving school he took a clerkship with an insurance company and subsequently was clerk for a commission house for one year. In 1872 he took a position as clerk for one of Mobile's cotton compresses, and after three years' time he engaged in the compress business, which he continued until five years ago, when he moved to Summerville and went largely into the flower and nursery business, in which he was very successful, growing high grade stock which was shipped all over the south. He was very successful with roses and chrysanthemums, and at the time of his death was planning to grow carnations extensively the coming season. He had also planned considerable additions to his already large greenhouse plant, and recently embarked in the retail end of the business, in which he was a highly proficient artist, one of his latest efforts, a bride's bouquet, being reproduced in this issue. He was a member of the Society of American Florists and President Traendly appointed him state vice-president last January.

Col. Davis organized the present Mobile joint committee on rivers and harbors and was chairman of that committee during a period of great usefulness to his city. For quite a number of years he had been conspicuously connected with the militia of the state. He organized the famous Lomax Rifles and was the first captain of the company, which won first honor with prize of $5,000 at the great national drill in Washington, D. C., in 1887. He was many years connected with the Infant Mystics, contributing much time and labor towards the grand displays made by them in years past. He was an ornithologist with considerable knowledge of the birds of Alabama, and an accomplished artist. He was a generous patron of all that was beautiful, loved flowers and music, and did all possible to promote the pleasure and welfare of those around him. In public affairs, while never seeking office, he was of value and help in every cause that promoted the betterment of Mobile.

Col. Davis' first wife, who died in 1887, was Miss Corrine Cluis, daughter of the late Frederick Cluis of Mobile. By this union were three daughters, Mrs. Wallace Frazer of Knoxville, Tenn.; Mrs. Wm. Douglas and Mrs. Jesse Burke of Mobile, and one son, Percy Davis. Col. Davis' second wife, who survives him, was Miss Corrine Irwin, daughter of Col. Lee F. Irwin, by this marriage there being one son, Lee Irwin Davis.

In his stately southern home, surrounded by wide spreading grounds and ancient trees, Col. Davis was the soul of hospitality and many horticulturists will recall the delightful hours spent there with him and Mrs. Davis. May the magnolia blossoms rest gently on him.

THE AMERICAN FLORIST

1885 TWENTY-THIRD YEAR. 1908

Subscription, United States and Mexico, $1.00 a year; Canada $2.00; Europe and Countries in Postal Union, $2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From its first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of correspondents.

Eastern Representatives:
A. F. FAULKNER 1133 Broadway, New York.
ROBT. KIFT, 1725 Chestnut St., Philadelphia, Pa.

THE AMERICAN FLORIST,
324 Dearborn St., CHICAGO.

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THE action of the Canadian Pacific Railway, in endeavoring to beautify the yards and country generally through which its lines run, is commendable and might well be followed by other lines.

IN an interesting address, given before the Massachusetts Horticultural Society, March 7, Kenyon L. Butterfield, president of the Massachusetts Agricultural College, had strong arguments in favor of "Agricultural Education in the Schools."

No room for an orchid society yet, says New York.

EVERY day sees increasing numbers of visitors to the parks.

RARELY has Easter been approached with more optimistic feelings.

VIOLETS are getting over and the propagator must get busy for next season.

THE Britishers seem to be quite awake now as to the merits of American carnations.

SIMPLE methods of soil sterilization by steam can be carried on at almost any plant where this is used for heating.

THE glass market continues rather weak with little or no change in prices although several factories have already gone out of blast.

AN account of the exhibition of the English Winter Flowering Carnation Society, held April 1, will be found elsewhere in this issue.

THE Florists' Hail Association is paying losses at Iola, Kans., and Carthage, Mo., where about one-half the glass surface was broken by hail.

GATHERING galax leaves is a profitable industry for women and children in the mountainous districts of Maryland, where they often make $1 to $1.50 per day.

REPORTS continue to arrive telling of great damage done by the recent hailstorm showing how necessary it is that greenhouse owners are protected from loss by hail insurance.

THE paper on advertising read by Robt. Pyle, of the Conard & Jones Co., at the Florists' Club of Philadelphia, April 6, is quite an education along this line. It is reproduced in this issue.

IT is a good policy to stick to old and tried varieties, but a live grower will not fail to take advantage of new ones when these are likely to be money makers. And one year's trial is not always conclusive.

THE endeavors of the authorities at the Massachusetts Agricultural College, as outlined on page 629, are in the right direction and growers should do all they can to help in the work by sending representative flowers in as great variety as possible.

BENJ. HAMMOND, of Fishkill, N. Y., in a recent circular gives an illustrated account of successful school gardening at Riverview school, Barrytown, N. Y., W. D. Wildey, principal. The school gardening movement grows apace and should be aided by florists everywhere.

"FLOWER BEDS along the walls of schools are the main cause of damp basements and unhealthy conditions," is the conclusion that a Washington engineer has come to. The worst of it is he is allowed to make such erroneous statements through the medium of the press and that there are people who will believe them.

WM. ROBINSON, the famous English authority on landscape and wild gardening, in reply to a friend who sent him clippings from the Washington Star, sends a long and interesting letter in his own unique style, condemning, as he always does, the formal and unnatural in gardening and the "butcher gardening," as the above paper styles it.

Society of American Florists.

CHANGE OF REGISTERED NAME OF ROSE.

The Waban Rose Conservatories, Natick, Mass., make application to have the name of their rose, previously registered as White Killarney, changed to Mavourneen. Public notice is hereby given of this application and any persons objecting to this proposed change of name or knowing of any reasons why the name should not be changed as above, are requested to forward a statement of their objections to the undersigned at once.

No objection being received within 20 days of this date, a change in registry will be made.

W. N. RUDD, Sec'y.
Morgan Park, Ill., March 30, 1908.

Starting Florist's Business.

ED. AMERICAN FLORIST:

I am about to start two greenhouses, 20x105 feet, with stock to care for a town of 8,000 population, these being the only greenhouses here. What stock do you think I shall want and how much to start with? H. R.

This question is rather complicated, because there are several points to consider. The first is, if the populace of said town are mostly composed of people of very moderate means, then the class of flowers and plants should be of a corresponding nature, namely, such as can be sold with profit at moderate prices. On the other hand, if the populace are largely people in prosperous circumstances, then a better grade of flowers, plants, etc., will be the best to produce, for, although these people may not have been much in the habit of buying flowers, etc., yet they will soon demand as good flowers from those producing them in their own town as can be procured from other and larger towns.

For the first season, that is, if "H. R." is now building his houses, it might be best to confine himself principally to producing cut flowers, and that two classes, namely, roses and carnations. A house of 20x105 feet for roses will take 1,000 plants of such varieties as Bride, Bridesmaid, Killarney, Richmond and similar varieties of that class, and for a house of same size in carnations, it will take about 2,200 plants to fill it to best advantage, which means that the roses can be planted about 13 to 14 inches apart each way, and the carnations in rows across the benches at 12 inches apart and about six inches apart in the rows. "H. R." may find it desirable to have a few miscellaneous things growing besides the two named above; in that case, one bench or part of one may be devoted to such other things as may be likely to be in demand. Usually people buying flowers want some green foliage with them, such as asparagus, fern, etc., and it might be advisable to have a small supply of this. After a season's experience it will be much easier to cater to the wants of the customers.

If, during the coming season, "H. R." finds a demand for pot plants, and often in such communities there is considerable demand for bedding plants, such as geraniums, salvia, coleus, etc., such stock can be grown in limited numbers on the edges of the benches without materially affecting the main stock growing for cut flowers. For coleus and plants of that class the rose house temperature will produce them best. There are many other varieties of plants and flowers which the florist catering to the general public may find it desirable to grow, but for the first season I should advise "H. R." to confine himself in the main to roses and carnations, for the varieties of the last named most suitable for him to grow.

I would advise him to find out from the growers in the nearest locality what sort succeed best and plant those which

succeed best with others in somewhat the same class of soil as his own, as carnations are very varied in their productions in different localities, and the profit in growing them entirely depends upon the amount of blooms they will produce. Of course, the better the class of flowers the better the price they will realize, and the same rule applies to all the produce of a greenhouse.

JOHN N. MAY.

Illinois State Florists' Association.

The following officers and committees have been appointed by President Hey since last meeting: E. W. Guy, vice-president, succeeding A. S. Halstead, both of Belleville; A. C. Brown, Springfield, vice-president, to succeed August Poehlmann, Morton Grove; A. R. Knowles, Bloomington, vice-president, to succeed F. L. Washburn (treasurer-elect), also of Bloomington, who resigned. The advisory board consists of J. C. Vaughan, Chicago, two years; W. N. Rudd, Morgan Park, two years; F. J. Heinl, Jacksonville, one year; C. D. Gallentine, Morrison, one year; J. F. Ammann, Edwardsville, two years. The membership committee consists of A. F. Longren, Des Plaines (chairman); J. B. O'Neil, Chicago and F. A. Friedly, Springfield.

J. F. AMMANN, Sec'y.

Meetings Next Week.

Boston, Mass., April 21.—Gardeners' and Florists' Club of Boston, Horticultural Hall.

Denver, Colo., April 24, 8 p. m.—Denver Floral Club, 323 Charles block.

Des Moines, Ia., April 21, 8 p .m.—Des Moines Florists' Club, Iowa Seed Co.'s store.

Grand Rapids, Mich., April 20.—Grand Rapids Florists' and Gardeners' Club, Board of Trade rooms, Pearl street.

Hamilton, Ont., April 21, 8 p. m.—Hamilton Gardeners' and Florists' Club, office of member.

Hartford, Conn., April 24, 8 p. m.—The Connecticut Horticultural Society.

Montreal, Que., April 20.—Montreal Gardeners' and Florists' Club, Alexandria rooms, 404 St. Catherine street, west.

New London, Conn., April 22.—New London County Horticultural Society, Elks' hall.

Providence, R. I., April 20, 8 p. m.—Florists and Gardeners' Club of Rhode Island, 96 Westminster street.

Salt Lake City, Utah, April 21.—Salt Lake Florists' Club, Huddart Floral Co., 114 East Second South street.

Seattle, Wash., April 21.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.

Toronto, Ont., April 21, 8 p. m.—Toronto Gardeners' and Florists' Association, St. George's hall, Elm street.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Every paid subscriber to the AMERICAN FLORIST for the year 1908 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—As rose grower in good establishment by experienced grower: German, age 42. Address, E. R., Fairhaven, Pa. R. F. D. Route 1, Box 150.

Situation Wanted—Young American would like a position in first-class store: long experience no objection to Pacific coast. Address Key 502, care American Florist.

Situation Wanted—By experienced grower of cut flowers, roses, carnations, 'mums, etc. and general stock: life experience; German, age 42. Key S.S. care American Florist.

Situation Wanted—A thoroughly practical man is open to position as head gardener: highest references as to ability and character. Address Key 513, care American Florist.

Situation Wanted—As working foreman by good practical, experienced grower of roses, carnations, 'mums, cut flowers and pot plants; designer, landscape gardening, etc.: sober, steady, not afraid to work; 29 years' experience: German, 43 years of age, married; best of references. Address Key 509, care American Florist.

Situation Wanted—Head gardener on a private place; first-class references; single, German; reliable, strictly sober, intelligent, of good education; 22 years' practical experience in all kinds of indoor cut flowers, palms, ferns, fancy pot plants, decorating, landscape, carpet bedding, fruit and vegetables; disengaged April 15; good wages expected. Key 507, care American Florist.

Help Wanted—A man to work in rose sections; state wages without board. Apply COLE BROS., Peoria, Ill.

Help Wanted—A single man for carnations and 'mums; also to help with roses. Send references. Box 32, Montclair, Colo.

Help Wanted—Good man to run small place himself. Steady position: German preferred. With full particulars, address Key 491, care American Florist.

Help Wanted—Single all around man at once for private place; must understand vegetables also help in greenhouses; steady place; $35.00 per month, room and board. C. J. REARDON, Box 498, Hinsdale, Ill.

Help Wanted—By May 1st, florist to take charge of grounds and small greenhouse; room attached; wages $40.00 month, board and washing. Address with references. DR. J. W. STEPHENS, Supt. W. Ky. Asylum, Hopkinsville, Ky.

Help Wanted—Assistant in retail place of 10,000 ft. of glass; must be a good worker and sober; state age and references; wages $15.00 per week, steady place for a good man. Address SEATTLE FLORAL CO., 4th and Denny Way, Seattle, Wash.

Help Wanted—Reliable florist with 20,000 carnations, good varieties, little cash and capable of erecting greenhouses—material now at greenhouses, near Chicago, can become part owner of established modern greenhouse business. C. F. MORRIS, 420 Ashland Blk., Chicago.

Catalogues Wanted—I desire late catalogues from firms handling seeds, bulbs and florists' supplies. W. W. WESTON, Manila, P. I.

For Rent—A new greenhouse on west side; 125 boxes glass sq. ft. Key 511, care American Florist.

For Rent—One of the finest greenhouse and flower businesses in the city; old established business. CUTHBERT D. POTTS, 79 Dearborn St., Chicago.

For Sale—At Madison N. J. Greenhouses 1500 running feet in all; barn, dwelling, all improvements; also 6 acres of land; ¾ of mile from depot. Key 510, care American Florist.

For Sale—A retail florist business, 5 greenhouses, about 5000 feet of glass, store, barn, 8 room house, lot 100 feet front, over 200 feet deep, located in fine neighborhood; a good opportunity for two young men who understand the business, with small capital to start; good reason for selling; party must have $5 000, balance to suit purchaser. G. F. THRUN, 8707 Cedar Ave., Cleveland, O.

For Sale—Greenhouses in good condition; 10,000 ft of glass, also double house, all modern, good location, 210-ft. front; or will sell greenhouses alone. HENRY EICHOFF, 2863 E. 75 St. Cleveland, Ohio.

For Sale—Greenhouses and stock; about 20,000 feet of glass, well stocked with all kinds of bedding plants, ferns, palms and cut flowers; for terms inquire of Mrs. Hugo Book, College street, Worcester, Mass., or L. Midgley, Worcester Conservatories, Worcester, Mass.

For Sale—5 greenhouses, about 20,000 feet of glass, well stocked; 4 acres best kind of soil; 5-room and attic house; good well and windmill; barn, horse, wagon, tools and stock; everything goes with the plant; good trade, can sell all the stock you can grow; located near city of about 400,000 inhabitants, accessible to steam and electric lines. WISCONSIN NATIONAL LOAN AND BUILDING ASSOCIATION, Room 22, Mitchell bldg., East Water and Michigan Sts., Milwaukee, Wis.

For Sale—At a sacrifice; a model floral establishment in the city of Youngstown, Ohio. This is the oldest floral establishment in the city, and has a trade that is desirable in every way. In order to close out an estate, this establishment will be sold at a price that will be an inducement. This is an excellent opening for some one desirous of engaging in the floral business. For further particulars call on or address, C. EDWIN OYSTER, Receiver, 507-508 Dollar Bank Bldg., Youngstown, O.

For Sale—One of the largest and best known mail order seed, bulb, plant and nursery establishments in the United States. This business was established in 1860, and is known by all seed people the country over, and many abroad, and has an enviable reputation for quality in seeds, plants, etc. This is an excellent opportunity for an individual or corporation desirous of entering into this line of business which is a very profitable one to engage in. To an ambitious young man, or several of them associated together, it offers a rare opportunity to step into and take up the management of a business that is so thoroughly established and as well known as this one is. In order to close out an estate, the entire establishment, including 52 acres of testing gardens, office buildings, greenhouses containing 45,000 feet of glass, barns, seven dwellings, a complete and up-to-date printing establishment, in which is turned out all printed matter used, including catalogs; horses, wagons, and entire equipment necessary to carry on this business successfully, will be sold at a sacrifice. Any one interested can have full particulars by addressing or calling upon the undersigned. C. EDWIN OYSTER, Receiver, 507-508 Dollar Bank Bldg., Youngstown, O.

...WANTED...

All Florists using steam heat to send for our latest catalogue, which contains some very valuable information.

Address Key 512, care of American Florist.

WANTED.

A competent man for designing and packing room to take full charge. Must be a first-class workman on funeral work and be thoroughly experienced in the retail cut flower line. Also one experienced on pot plants and design work; good situation for the right men; apply with references

S. J. REUTER & SON, INC.,
WESTERLY, R. I.

NOW READY. 1908 EDITION.

——THE AMERICAN FLORIST——

TRADE DIRECTORY

of the entire **HORTICULTURAL TRADE** of America,

Price, $3.00 Prepaid.

A complete alphabetical list of all American cities with the names and addresses of all commercial horticulturists therein. A separate list, arranged alphabetically, of every commercial horticulturist in this country. A separate list of park superintendents, and all cemeteries. A separate list of all florist's clubs and horticultural societies, with their newly elected officers to date.

Last Call For Easter!

BETTER HURRY AND TELEGRAPH us that order. Can reach you in plenty of time with all kinds of **CUT FLOWERS. EASTER LILIES** especially fine. Also plenty of other stock.

L. D. Phone Canal 1496. Private Exchange all Departments.

A. L. RANDALL CO. Wholesale Florists, 19-21 Randolph St. **Chicago.**

HENRY M. ROBINSON & CO.,

Wholesale Commission Florists.

Hardy Cut Evergreens and Florists' Supplies

BRONZE GALAX, best quality...$8.50 per case, 10,000 **GREEN GALAX,** best quallty...$7.50 per case, 10,000
DAGGER AND FANCY FERNS.....$1.50 per 1,000

Laurel Festooning, Boxwood, Southern Wild Smilax, Sphagnum and Green Moss, Leucothoe Sprays, etc.

15 Providence St. and 9 Chapman Place, BOSTON, MASS.

In and Around Boston.

Perhaps there is no place in the country where the culture of cut flowers for market has reached the perfection that it has in and around Boston. When roses were first forced for winter cutting it was here that the country looked for its Bon Silene and Safrano and now, after a lapse of some 30 odd years, we find the rose growers of this market still in the front rank and carrying off some of the honors whenever in competition with the best produced in the various flower growing centers of the country. Messrs. Elliott and Montgomery are certainly experts in their line, always on the lookout for something new, and the visitor to their places is sure to see the very latest and best methods in greenhouse rose culture. The home of Fisher's Lawson and Enchantress, two of the most widely grown and popular carnations, is in this district. Wm. Sim clearly leads with his sweet peas which are a revelation to all outside growers who see them, and his single violets also appear to be in a class by themselves. The growers of choice flowering plants are also leaders in many lines, cyclamens, begonias and Easter stock being done as well here as anywhere in the country.

T. ROLAND, NAHANT.

A visit to Thos. Roland at Nahant is a great treat at this time to the lover of well grown plants, as here is to be seen the very pick of the Easter stock, such things as find their way into the best stores for the finest retail trade where the discriminating buyers are always found willing to pay a good price. For this year Mr. Roland's specialties are roses, hydrangeas, lilies, genistas and bougainvilleas. The roses are of the rambler type, with Dorothy Perkins, Lady Gay and Hiawatha as leaders. These are done exceptionally well. They are for the most part in 6-7-inch pots in which the dormant canes were tied down low to short stakes. The plants as finished are beautiful specimens about 24 inches to 30 inches in diameter, both ways, and covered with trusses of bright colored flowers. Some grown on pedestals have pendant sprays of bloom extending below the bottom of the pot. Dorothy Perkins is thought to be the best for forcing as it makes a more compact plant, the flower shoots being shorter than those of Lady Gay. Hiawatha is very striking, its brilliant flowers with large white centers making it especially attractive, and it is sure to become a standard for Easter forcing. Dorothy Perkins and Lady Gay, trained into gypsy basket form, with a high handle, were very stunning and when decorated in the stores should command top prices. Genistas were also treated in this manner, the body of the basket and high handle being full of bloom. They certainly looked worth the trouble. Hydrangeas of the Hortensis type in the three colors were well done, the bulk of the stock being white. The plants carried quantities of bloom but the heads were not as large as the Otaksa, which is so generally grown for the Philadelphia market. A large house of lilies, about 7,000 pots, looked good. Considerable loss had been experienced from diseased bulbs such as is general all over the country. Campanulas were also seen in limited quantities, very pretty, but Mr. Roland says he finds them not profitable for forcing. Bougainvilleas are done well, the plants being low and bushy and very full of bloom of a good color. Acacias are a hobby with Mr. Roland. A few specimens of choice varieties were well flowered but not offered for sale. A large collection of different varieties had been imported recently, mostly for private use. Begonia Gloire de Lorraine is a specialty here and quantities of young plants are seen. Mr. Roland prefers the plants from sucker cuttings to those grown from leaves, as he thinks they grow into better specimens. A large new house is filled with candytuft to be ready for Decoration day, which in Boston is very generally observed, an immense business being done,

WABAN ROSE CONSERVATORIES.

The Waban Rose Conservatories at Natick, with Alex. Montgomery in charge, seem ideal for the production of cut roses. The houses are large, commodious structures; the largest now 60x 700 feet, filled with American Beauty roses, is just having a 300-foot addition put to it, making it 1,000 feet long over all and the coming summer another 60x

Fancy and Dagger FERNS $1.75 per 1000

Discount on large orders.

New Crop Galax, Bronze or Green, $1.25 per 1000: 10,000, $7.50. **Wild Smilax,** 50-lb. case, $6.00.
Sphagnum Moss, large bales.....$1.25
Leucothoe Sprays.....$1.00 per 100; 1000, 7 50
Boxwood.....35c per bunch; 50 lbs.. 7,50

Florists in the Middle and Western States can save money by placing their fern orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,
WHOLESALE COMMISSION FLORISTS,
38-40 Broadway, All Phone Connections. **DETROIT, MICH.**

THE KERVAN COMPANY,
113 West 28th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe, Ferns, Mosses and all Decorative Evergreens.

George Cotsonas & Co.

Wholesale and Retail Dealers in all kinds of

Evergreens.

Fancy and Dagger Ferns. Bronze and Green Galax.
Phone 1202 Mad. Sq.

Main Store. 60 W. 28th St., NEW YORK.

Smilax...

Good heavy **Smilax,** 6 feet long, **$1.50** per doz.; **$10.00** per 100.

THE LAMBORN FLORAL COMPANY, ALLIANCE, OHIO.

E. A. BEAVEN

Southern Wild Smilax, Log Mosses,

Natural and Perpetuated—at Wholesale,

EVERGREEN, ALABAMA.

JOHN P. SCHERER,

Telephone 328 L Union.

636 Gardener St., UNION HILL, N. J.

SMILAX, FERNS, PALM LEAVES and all kinds of GREEN GOODS.

THE BEST

Fancy and Dagger Ferns.

FOR EASTER IN THE MARKET.

$1.15 per 1000 Guaranteed.

H. J. SMITH, Hinsdale, Mass.

Big Crop of Prize Winning

AM. BEAUTIES

We are cutting from 600 to 800 Long Stemmed **Beauties** per day. The kind we won Silver Cup with at recent Rose Show.

Brides, Maids, Richmond and Killarney

All Equally Fine.

FANCY CARNATIONS IN LARGE LOTS

Plenty of Greens and Easter Lilies.

Telegraph us Your Late Orders and we will Take Care of Them.

Bassett & Washburn,

GREENHOUSES, HINSDALE, ILL.

Store, 76 Wabash Ave., CHICAGO.

600 is to be erected. All the stock is in the pink of condition, there not being a speck of mildew to be seen anywhere. Mr. Montgomery thinks that with the modern houses and heating and ventilating appliances there should never be any mildew. The particular feature here at present is the Mavourneen or white Killarney. It is truly a beautiful flower, apparently a counterpart of its parent in everything but color, with the possible exception that it seems a trifle more double. It is pure white and has the beautiful long bud that is so attractive in the pink variety. It will certainly give Bride a great run for first place. Killarney is grown here to perfection. Bridesmaid is to be dropped and when I suggested that if all adopted Killarney it might become too plentiful Mr. Montgomery said that Killarney could not be done as easily as Bridesmaid and it would be quite some time before growers generally would be successful. Houses of Richmond, with crops ready for Easter cutting, were a great sight, looking like beds of Ulrich Brunner from the great quantity of buds carried and all on long stout stems. A feature of the watering was a hose attachment, a water spreader, in the form of a shovel made of zinc. This is about six to eight inches in diameter, with a wooden handle to which the hose is attached; the water striking the center of the spreader from one side and spreading out on three sides falls gently yet rapidly on the bed and does not displace the surface of the soil as does the stream when directed by the finger. Agreeable information was that the season had been very satisfactory from a financial standpoint, as while prices were not so high as last year, still the quantity of the output was so large that returns were more satisfactory.

RETAILERS.

Wm. E. Doyle's window was attractive with a dark blue velvet spread over the bottom, which seemed to set off the vases of flowers and plants admirably. The feature was a gilt frame, with black velvet recess, illuminated with concealed electric lights, which showed to advantage a nicely arranged vase of roses or other flowers.

The stores of the retail florists are kept in up-to-date style. Thos. F. Galvin, with his two stores, does an immense business. His Back Bay establishment is an ideal place, so light and roomy. The flower case is very large and roomy, the attendants going inside when flowers are wanted.

Julius A. Zinn's store was made attractive with large signs. Design work for funerals is a specialty here, a large business being done in the city and with surrounding towns. A number of other stores all presented a prosperous appearance, their windows being well trimmed.

S. Hoffman, of Massachusetts avenue and Commonwealth, is very well located for family trade. He has a beautiful store, well stocked. Prominent signs announce the delivery of flowers in all large cities of the country.

P. L. Carbone has a unique store, his display of statuary and imported garden vases being very complete. All sorts of flower receivers, little odd conceits that please the particular buyers, are displayed in quantities.

At Houghton & Clark's, clever conceits in made-up baskets were being offered for Easter. Pans of bulbous stock were made more inviting by the addition of small sprays of box around the edge in the soil.

E. MacMulkin, with his large store, fronting on two streets, looks to be right in it. Something very pretty in Easter baskets was to be seen here.

Penn's store is a compact, business looking shop, where flowers are no doubt handled in quantity.

ROBERT KIFT.

Southampton, N. Y.

The regular bi-monthly meeting of the Horticultural Society was held April 2, President Clark in the chair. After the election of members and other routine business was disposed of, W. L. Jagger read a very interesting paper on "Agricultural Education." After interesting discussions on various subjects, the meeting adjourned, to meet again May 7.

U. G. A.

NATICK, MASS.—Chas. Ingram was found dead in his bed April 5 at the home of Mrs. J. Macdonald, with whom he boarded. Heart failure was the cause of death.

CHARLESTON, S. C.—The Order of the Cincinnati had a pleasant excursion April 10 to Magnolia Gardens and enjoyed a picnic at Drayton Hall, an old Colonial mansion. The gardens were much admired, the azaleas being in full beauty, and a most enjoyable day was spent.

MERIDEN, CONN.—J. W. Davis, of the well-known Davis Market Garden Co., formerly of West Hartford, has purchased the McKenzie place, formerly known as the Hall farm, and will at once put it into gardens. He will make an up-to-date place of it in every respect. Three or four large greenhouses will be built during the coming summer in which vegetables will be raised. Plans have already been completed for two of them, one 90 and the other 120 feet long. The other two will probably be built later in the year. Mr. Davis already has men at work and he will be ready to supply the local market this summer. In the greenhouses he will raise cucumbers, lettuce, radishes, tomatoes and other vegetables for winter use. One of the greenhouses will also be used for growing violets and carnations.

"THE BUSIEST HOUSE IN CHICAGO."

J. B. DEAMUD CO.

If you have been disappointed on any stock it is not too late to wire Deamud. You will be supplied.

Long Distance Phone Central 3155.

51 Wabash Ave., Chicago.

Chicago.

TRADE GOOD.

The wholesale cut flower market took on decided signs of life on Friday last and the unwonted activity continued Saturday and Sunday, the last named day seeing the best Sunday trade of several months. Not only was the shipping trade good but the city buyers took hold well, the general demand resulting in an advance in the price of carnations. Early this week the features of the market were a continuation of the general activity and in particular a large shipping demand for Easter lilies, both cut and in pots. There has been a good supply of these, although perhaps an unusual proportion of short stemmed stock is seen. Roses, at present, are in very good supply, some especially good crops of American Beauty being on. Bride, Bridesmaid and Richmond are good in quality and supply. Kaiserin Augusta Victoria roses are now coming in, also a few Pres. Carnot. The carnation crop seems to have its limits this week, with signs that really good stock will be somewhat scarce. There is any quantity of medium grade and poor stock. Bulbous flowers are plentiful and prices are still low.

April 15.—The market is very active with all kinds of stock in good demand. Potted lilies are moving well and there seems not to be any too much other bulbous stock in pots on hand.

THE HORTICULTURAL SOCIETY.

The regular quarterly meeting of the Horticultural Society was held in the club rooms of the Art Institute, April 14. Vice-president Carpenter presiding in the absence of President Kelley, who was detained at home by illness in his family. The records of the previous meeting having been read and confirmed, a resolution was adopted recommending that the executive committee offer a silver medal for the best garden of the five divisions in the competition inaugurated by the Daily Tribune.

Another resolution recommending the appointment of a committee to draw up a course of lectures for the season of 1908-09 for the benefit of the members and to interest non-members in the work of the society was also adopted.

Mayor Busse, it was announced, has promised to appoint J. H. Burdett a member of the small parks commission, representing the society.

GARFIELD PARK GREENHOUSES.

The immense new greenhouses at Garfield park are now practically complete and the work of removing the plants from the old houses is being rapidly pushed. The weather is ideal for the work and even tender plants are being transferred without any covering. The show house is gay with a grand showy lot of bulbous and other timely stock making a most bright and lively display. Besides the usual class of stock, such as tulips, hyacinths, azaleas and others, we noted a collection of hippeastrums that do much to brighten the house. The pretty old mosquito plant, Asparagus plumosus and many others are shown on pillars and the house is well worth a visit. In the propagating houses Gardener Sells was busy unpacking a large shipment of various temperate plants from Florida. There is quite a display in the orchid house and the young stock of all kinds looks well. The advantage of this fine range of propagating and plant houses is very apparent now.

NOTES.

The secret has just been allowed to leak out to the trade that L. Baumann & Co., dealers in florists' supplies, at 76-78 Wabash avenue, have in course of construction a new building at 118 E. Chicago avenue, the whole of which the firm intends to occupy on completion. It will consist of three stories and basement and cover a ground area of 27x140 feet.

Frank Oechslin's flowering plants for Easter have been in big demand and he could have sold more of them. Easter lilies sold out early and the way the rose plants have gone has been a big surprise, being more in demand than usual. Hydrangeas and azaleas, too, have been good sellers.

The Geo. Wittbold Co. was early sold out of bulbous plants. Other stock also moved well. Louis Wittbold says plants have been in better shape this year than they were last, which accounts for the good demand existing.

We have just been informed of the death on March 30 of Mrs. Geo. H. Froboese, the mother of Mrs. C. Frauenfelder. She would have been just 51 years of age had she lived until Easter Sunday.

Bassett & Washburn have begun to cut from their summer flowering roses, such as Kaiserin Augusta Victoria and Pres. Carnot.

H. N. Bruns' establishment at Madison street is well figured, with accompanying notes in the West Side Review.

John Kruchten is the happy father of a 10-pound baby boy, which arrived in good order on Sunday afternoon.

E. H. Hunt is now showing a stock of new inexpensive fern dishes, in 4 to 7-inch sizes, made of white metal.

(Continued on page 624)

Kennicott Brothers Company,

WHOLESALE CUT FLOWERS.

48-50 Wabash Ave., CHICAGO.

Klehm's Novelty Tulips

50 in the box, $2.00 per box.

We will have anything in the line of

Cut Flowers and Greens

that you may want if anybody has at Chicago market prices on day of shipment.

KENNICOTT BROS. CO.

L. D. PHONE, CENTRAL 466.

48-50 Wabash Ave., CHICAGO.

THE FINEST
VALLEY FOR EASTER
$3.00 per 100; $25.00 per 1000; extra select, $4.00 per 100. We will have an unusually fine cut on.

WESTERN HEADQUARTERS FOR
FINEST COLD STORAGE VALLEY PIPS
$12.00 per 1000; $1.50 per 100; select stock, $14.00 per 1000; $1.75 per 100. Every Case Guaranteed.

H. N. BRUNS, 1407-1411 W. Madison St., Long Distance Phone Kedzie 1196. **Chicago**

Roses, Lilies, Violets, Carnations and other CUT FLOWERS of best quality

E. H. HUNT
SEND FOR PRICE LIST.
76 Wabash Avenue, CHICAGO.

Florists' Supplies AND Novelties.

J. A. BUDLONG
37-39 Randolph Street, CHICAGO.
Roses and Carnations A Specialty.....
WHOLESALE GROWER of CUT FLOWERS

DAILY SHIPMENTS OF
Cut Flowers
From 40 to 60 Growers.

"Greens" Our Specialty.

E. F. Winterson Co.,
45-47-49 Wabash Avenue. CHICAGO.

E. C. AMLING
THE LARGEST, BEST EQUIPPED, MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.
32, 34, 36 Randolph Street, CHICAGO.
L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO April. 15.

Rose, Beauty, extra fancy		$6 00
" " 24 to 30-in. stems.	4 00@	5 00
" " 12 to 20-in. stems.	1 50@	3 00
" " Short stems	1 00@	1 25
" Killarney	6 00@	12 00
" Bride, Maid, Ivory Gate	4 00@	10 00
" Liberty, Richmond	6 00@	12 00
" Chatenay, Perle	4 00@	10 00
Carnations	1 50@	3 00
Violets	25@	50
Lilium Harrisii, per doz.	1 50@	2 00
Callas, per doz.	1 50@	2 00
Lily of the valley	2 00@	4 00
Smilax, per doz.		2 00
Asp. Plu. & Sprengeri, bunch		50
Asparagus strings, each		50
Adiantum, per 100	75@	1 00
Leucothoe sprays	60@	75
Ferns, per 1000	2 00@	2 50
Galax, green, per 1000		1 00
bronze, per 1000		1 00
Boxwood, per bunch		35

PASADENA, CALIF.—The flower show which closed April 4 was a most gratifying success, both as regards exhibits and attendance. The financial results, according to officers of the society, will enable them to still further increase the scope of next year's show.

Chas. W. McKellar
51 Wabash Ave.
CHICAGO.

ORCHIDS
A Specialty
Fancy Stock in VIOLETS VALLEY, ROSES, BEAUTIES, CARNATIONS and a full line of all Cut-Flowers, Greens, Wire-Work and FLORISTS' SUPPLIES.
Send for Complete Catalogue.

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Room 218, 51 Wabash Ave., CHICAGO
Telephone, Central 3284.

WEILAND - AND - RISCH
Wholesale Growers and Shippers of
CUT FLOWERS
59 Wabash Ave., CHICAGO.
'Phone Central 879.
Write for our wholesale price list.
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Vaughan & Sperry,
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58 and 60 Wabash Ave., CHICAGO.
WRITE FOR SPECIAL PRICES.

Poehlmann Bros. Co.
Wholesale Growers of
and Dealers in **Cut Flowers**
All telegraph and telephone orders gvien prompt attention.
Greenhouses: MORTON GROVE, ILL.
35-37 Randolph St., CHICAGO.

THE BENTHEY-COATSWORTH CO.
35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

EASTER PRICE LIST.

RED

American Beauty, long stems,.....$ 5.00 per doz.
30-inch stems..... 4.00 per doz.
24-inch stems..... 3.00 per doz.
20-inch stems..... 2.50 per doz.
15-inch stems..... 2.00 per doz.
12-inch stems..... 1.50 per doz.
Short stems..... 1.00 per doz.
Richmond, Liberty.....$5.00 to $10.00 per 100

WHITE

Bride, Ivory.....$5.00 to $10.00 per 100

PINK

Chatenay, Bridesmaid.....$5.00 to $10.00 per 100
Mrs. Marshall Field, Killarney, ...$6.00 to $15.00 per 100

LIGHT PINK

Uncle John, Golden Gate....$5.00 to $10.00 per 100

YELLOW

Perle.....$5.00 to $ 8.00 per 100

COPPER COLOR

Sunrise.....$5.00 to $ 8.00 per 100

Roses, our selection, $4.00 per 100.

Carnations,.....$ 3.00 to $ 4.00 per 100
Easter Lilies,..... 10.00 to 15.00 per 100
Extra fancy Asparagus Plumosus ..... 75c to $1.00 per bunch
Paper White, Romans, Daffodils .....$ 3.00 to $ 4.00 per 100

Violets.....$ 1.00 to $ 1.50 per 100
Tulips..... 4.00 to 6.00 per 100
Callas..... 10.00 to 15.00 per 100
Valley, fancy..... 3.00 to 4.00 per 100

PETER REINBERG, 51 Wabash Ave., Chicago.

Chicago Notes.

Continued from page 622.

Weiland & Risch report having begun grading for their new addition of six 30x350-foot houses and one 30x250-foot house. This coming season they will plant much more largely of Killarney and add American Beauty, Mrs. Jardine and several of their own seedling roses. Their roses are at present in excellent crop, Bride, Bridesmaid, Richmond and Killarney all showing up exceptionally well.

Miss Mabel Eaton of the Eaton Flower Shop, was in New York all last week looking into eastern methods of conducting the florists' business. While there she was joined by Chas. Balluff, who has lately acquired an interest in the business. Both returned Monday morning. The feature of the store this week is a very effective window of potted hydrangeas of immense size.

John J. Davis, of the entomological department of the experiment station at Urbana, Ill., is in this city and vicinity investigating greenhouse insect pests and insects injurious to truck crops. He will be pleased to learn of any such matter that needs investigation and letters giving particulars should be addressed John J. Davis, care of State Entomologist, Urbana.

Wietor Bros. are planting their second lot of young American Beauty roses, also carnation plants will be set in the field if present fine weather conditions prevail a few days longer. Kaiserin roses are now coming into good crop.

The flower mission of the W. C. T. U. is planning to wage war on unsightly vacant lots by substituting flowers for the weeds generally found thereon. Mrs. L. A. Wyle, of Waverly, is in charge of this work.

The Daily Tribune is offering three prizes, $75, $50 and $25, respectively, for the best small garden in the city this season, and three prizes, $25, $15 and $10, respectively, for the best window box or porch display.

Friday, usually thought an unlucky day, was last week one of the best days the market has seen in some time. The J. B. Deamud Co. reports having shipped over 25,000 carnations on that day alone.

Wm. Winkleman, father of Louis Winkleman who has long been an employe of Bassett & Washburn, died at his home in Hinsdale, last Saturday, aged 75.

Frank Farney, of the A. L. Randall Co., returned to the city Saturday and reports trade in Easter supplies better than ever this year.

H. P. Crane, St. Charles, has offered prizes amounting to $100 to be competed for by school children August and September next.

The trustees of the Florists' Club held a meeting at the Union restaurant April 14 regarding the disposition of the Hartshorne fund.

O. P. Bassett, of Bassett & Washburn, and wife returned Sunday from their winter's sojourn at Pasadena, Calif.

Jensen & Dekema report that this season they have had the best sale for carnation cuttings in their experience.

Bassett & Washburn cut as many as 1,000 long stemmed American Beauty roses on a single day recently.

H. N. Bruns has just issued a very attractive Easter booklet.

Visitors: H. L. Ide and A. B. MacPherson of the Springfield park board, and A. T. Hey, president State Florists' Association; Camiel Sierens, Everghem, Belgium; R. W. Peterson, Cincinnati, O.; Wm. Feniger, of Feniger & Spanner, Toledo, O.

FREEPORT, ME.—The greenhouse at Casco Castle park is in fine condition, J. J. Turner having a splendid lot of flowering plants to show visitors.

Toledo.

TRADE FAIR.

Business was fair last week with considerable funeral work. There has been big lots of carnations in the local market, but florists have managed to take care of them. Local retailers report prospects good for Easter.

NOTES.

The Krueger Bros. Co. has done well this season with Easter plants, lilies and azaleas moving especially well.

Wm. Fenniger, of Fenniger & Spanner, is in Chicago this week buying Easter stock.

San Francisco.

A floral contest will take place in the near future, probably at the spring flower show, May 15-16, between Prof. E. Matraia, with Matraia & Dovincenzi; and S. Lundy with Pelicano, Rossi & Co., for a cash prize of $1,000. Pelicano, Rossi & Co. backing Mr. Lundy and V. Matraia of the Art Floral Co., backing his cousin E. Matraia. A forfeit of $100 has been put up by each side. Each of the contestants will be furnished with an equal amount of flowers, green, etc., all of like quality, out of which they will have to design each one mantel decoration, three to four funeral designs and three to four baskets or other receptacles to hold flowers. The prize will be awarded on points, the one scoring the most will receive the $1,000. The judges will be elected one from each side, the two then choosing a third. This contest will be especially interesting as one of the contestants represents eastern ideas, having spent most of his time in eastern establishments, the other one representing the west, being a resident of this city.

Chas. Fick, of San Mateo, has had a very prosperous season. With the profits he is building himself a new dwelling house.

For Easter

We have a splendid lot of

EASTER LILIES

THE KIND THAT WILL PLEASE YOU.

Send in your order as soon as possible,

and if you want some

REALLY FANCY CARNATIONS, ROSES, VIOLETS

AND OTHER SEASONABLE FLOWERS

TRY Holton & Hunkel Co., MILWAUKEE, WIS.

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations and all kinds of Seasonable Flowers in stock.

WM. F. KASTING CO. Wholesale Commission Florists.

BUFFALO, N. Y.

Florists' Supplies and Wire Designs.

Wholesale Flower Markets

BUFFALO, April. 15.

Roses, American Beauty	3 00@30 00
" Bride, Bridesmaid, Meteor	4 00@10 00
Carnations	1 00@ 3 00
Lily of the valley	2 00@ 4 00
Smilax	15 00
Adiantum	50@ 1 50
Lilies	4 00@15 00
Galax	per 1000, $1 50
Ferns	per 1000, 2 00
Violets	40@ 75
Mignonette	2 00@ 5 00
Narcissus	2 00@ 3 00
Sweet peas	40@ 1 00
Hyacinths	2 00@ 3 00
Tulips	2 00@ 3 00
Daffodils	2 00@ 3 00
Asparagus Sprengeri	per bunch, 25 50
Asparagus plumosus	per bunch, 25@ 50
Freesias	00@ 00

CINCINNATI, April. 15.

Roses, Beauty	$1 00@$ 4 00
" Bride, Bridesmaid	3 00@ 6 00
" Richmond	3 00@ 6 00
" Golden Gate	3 00@ 6 00
" Ivory	3 00@ 6 00
Carnations	1 00@ 3 00
Lily of the valley	2 00@ 3 00
Violets	50@ 3 00
Daisies	50
Callas	10 00@12 50
Harrisii	15 00
Dutch hyacinths	3 00@ 4 00
Narcissus	3 00
Smilax	12 50@15 00
Daffodils	2 00@ 3 00
Tulips	2 00@ 4 00
Asparagus plumosus and Sprengeri in bunches	per bunch 25c
Eastern Ferns	per 1000, $2 00
Galax, Green and Bronze	$1 00
Snapdragon	75 per doz

FOR EASTER

Extra Fine Stock.

Giganteum Lily plants, Azaleas, Hydrangeas, Hybrid Roses, Spirea, etc.

Roses, Carnations, Violets and other seasonable flowers.

Also Wire Designs and Florists' Supplies.

Buffalo Cut Flower Co.

468 Washington St. BUFFALO, N. Y.

C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs

ST. LOUIS, April. 15.

Roses, Beauty, long stems	2 00@ 2 50
" " medium stems	1 50@ 2 00
" " short stems	50@ 1 00
" Bride	2 00@ 8 00
" Bridesmaid	2 00@ 8 00
" Chatenay, Richmond	2 00@ 8 00
" Killarney	2 00@ 6 00
Carnations, common	1 00@ 1 50
" best	2 00@ 3 00
Smilax	12 50
Asparagus Sprengeri	1 00@ 2 00
" plumosus, strings	25 00@40 00
" cut sprays	1 00@ 2 00
Ferns, fancy	per 1000, $2 50
Lily of the valley	3 00
Narcissus	2 00@ 3 00
Callas	6 00@10 00
Sweet peas	35@ 75
Roman hyacinths	1 50@ 2 00

MILWAUKEE, April. 15.

Roses, Beauty	75@ 5 00
" Liberty, Chatenay	3 00@10 00
" Bride, Bridesmaid	3 00@10 00
" Meteor, Golden Gate	3 00@10 00
" Perle	4 00@ 6 00
Carnations	2 00@ 4 00
Smilax	$1 50 per doz.
Asparagus, sprays	3 00
" Sprengeri	2 00@ 3 00
Lily of the valley	2 00@ 3 00
Adiantum	1 50
Common ferns	$2 00 per 1000
Harrisii lilies	$2 00 per doz.
Paper White narcissus	2 00@ 3 00
Roman hyacinths	2 00@ 3 00
Tulips	2 00@ 3 00
Daffodils	2 00@ 3 00
Sweet peas	50@ 1 00

—THE—

J. M. McCullough's Sons Co.

Wholesale Commission Florists.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Weiland & Olinger,

128 E. Third St., CINCINNATI, OHIO.

Wholesale Growers and Shippers of Cut Flowers.

Greenhouses, NEW CASTLE, IND.

RICE BROTHERS

Wholesale Florists and Supplies,

115 N. 6th St., MINNEAPOLIS, MINN.

CUT FLOWERS received twice daily. Can fill your orders to your satisfaction. Also headquarters for **Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns.** Prices quoted on large quantities.

WM. C. SMITH & CO

WHOLESALE FLORISTS.

Bell, Main 2018. Kinloch, Cent. 410.

1316 PINE St., ST. LOUIS, MO.

H. G. BERNING,

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

WIETOR BROS., 51 Wabash Avenue, CHICAGO.

Wholesale Growers of CUT FLOWERS.

Send us your Easter Order now and rest assured of getting the best stock. fresh cut and carefully packed.

EASTER PRICE LIST

	Per doz.
American Beauties, extra long stems	$5 00
30-inch stems	4 00
24-inch stems	3 00
20-inch stems	2 50
18-inch stems	2 00
15-inch stems	1 50
12-inch stems	1 00
8-inch stems	75

	Per 100
Bride	$6 00 to $ 8 00
Bridesmaid, fancy	6 00 to 8 00
Killarney, fancy	8 00
" good	5 00 to 7 00
Kate Moulton, fancy	8 00
" good	00 to 7 00
Richmond, fancy	10 00
" good	4 00 to 8 00

	Per 10
Chatenay, fancy	$8 00
" good	$5 00 to 6 00
Uncle John, fancy	6 00 to 8 00
Perle	4 00 to 8 00

ROSES, Our Selection, $4.00 per 100

CARNATIONS, fancy ..... Per 100 $5 00
" good ..... $3 00 to 4 00

EASTER LILIES, $12.00 to $15.00 per 100.

The above prices are for select stock. Extra select or inferior stock billed accordingly.
All other stock at lowest market rates. No charge for packing. Prices subject to change without notice.

New York.

CONDITIONS FAVORABLE.

Conditions thus far with regard to Easter have been favorable. As previously noted, the weather has continued cool and present indications are promising for the plant trade. While it is hoped that the cut flower situation will greatly improve, top-notch prices seem out of the question. A good cleanup at reasonable figures is the best that can be hoped for, and "picklers" may as well note that their wares will not be in demand. There is an abundance of good stock now in sight and the best policy for all concerned is to try and keep trade in its natural channels. Cut flower men are between the devil, of a great supply of good stock in a dull season, and the deep sea, of a great stock of good flowering plants that must be sold or lost.

April 13.—There was a slight advance in prices of American Beauty roses and carnations, also a slight decrease in the quantity of stock arriving. The wholesale stores are filling up with plants, lilies, daisies, hyacinths in pans and pot roses being prominent.

FLORISTS' CLUB MEETING.

The regular monthly meeting of the club was held in the Grand Opera house, its old home, on the night of April 13, President Weathered in the chair. The attendance was good and there seemed to be general appreciation of the return to old quarters. President Traendly of the S. A. F. and President Simpson of the American Rose Society were present and made interesting addresses on recent and future events connected with their respective societies. Secretary Young and W. A. Manda also spoke entertainingly. Alex. Wallace brought up the question of misleading statements that are constantly appearing in the daily papers with reference to the flower trade, and several other members took part in the discussion. A committee was appointed by the chair to draft resolutions that will be submitted to the managers of the associated and city press, the object being to pave the way to remedial action. The following names were proposed for membership in the club: W. G. Badgley, Murray Hill, N. J.; Chas. M. Lind, Stamford, Conn.; Fred W. Lentz, Anton Schultheis, Jr., and E. Howard Smith, New York.

The exhibits were fully up to the forecast of Secretary Young in his announcement for the meeting. The Julius Roehrs Co. exhibited its everblooming rambler, Newport Fairy, which was awarded a first-class certificate. Anton Schultheis exhibited his sport of Crimson Rambler, which made an excellent impression. Robert Scott & Son's rose Mrs. Jardine was again exhibited. John Cook, of Baltimore, Md., exhibited My Maryland and seedling No. 267; the latter is a very promising production. W. A. Manda exhibited Rosa Sinica or Cherokee rose, and a new hardy pink. Robert M. Schultz exhibited fine blooms of Richmond roses. H. A. Jahn, New Bedford, Mass., exhibited white carnation, Lloyd, and Jahn's Crimson.

Much credit is due Chairman Rickards of the house committee for his clever and able management of the social features of the meeting. Vice-president Marshall spoke for the bowlers and it was announced that practice will be discontinued at the Albion alleys on Twenty-third street, the next meet being at the alleys located at Thirty-first street and Broadway. It was regretted that Secretary Hammond of the American Rose Society, who was present at the opening of the meeting, was compelled to leave early in order to catch a train.

NOTES.

In society circles there is much comment on the large number of weddings scheduled for the period intervening between Easter and the departure of the society folk for the summer resorts, usually late in June. It seems that the June monopoly on weddings has been broken, May being just as fashionable, and there will be so many this year that they could not all be crowded into one month. Such a prospect should be encouraging to the decorators and shatter that hoary yarn of nothing doing after Easter.

Considerable window-box and outdoor vase work is already being done. Recently at Myer's, Fifty-eighth street and Madison avenue, we noticed a number of very handsome boxes made up with pansies and English ivy. This recalls the fact that the ivy is now the most popular vine for this purpose. The vincas, under favorable conditions, are very suitable for window boxes, but there does not seem to be a disposition to push them here. This is probably because the ivy stands the heat and dust of summer much better.

Traendly & Schenck's Easter specialties will consist of 3,000 cattleyas; a big stock of roses from the range of Robt. Simpson, Clifton, N. J.; the product in Bride and Bridesmaid of Dean & Co.'s 100,000 square feet of glass at Little Silver, N. J., and a great crop of sweet peas from Komitsch & Junge, Secaucaus, N. J. Several of the leading carnation growers of Long Island will add to the supply, so all in all, they will be well prepared to care for the trade that comes their way.

The dock reporters for the daily papers are always seeing things in the horticultural line. So few of these screaming novelties ever get into actual commerce that suspicious people intimate that Ninth avenue third-rail moisture has something to do with it. Last week they saw a steamer coming through the narrows carrying so many tall palms that it looked like a "tropical island."

Chas. Thorley's fine stores are all dressed in Easter garb and the big automobile is kept busy taking the boss around from one to the other, and with additional side trips among the growers. Since the opening of the New Plaza hotel a prominent feature of Mr. Thorley's large business has been the many fine decorations for social events held there.

H. E. Froment is well prepared to handle a big Easter trade. The great rose cut from L. B. Coddington's range at Murray Hill, N. J., comes to him and he has numbers of other good growers. He will have American Beauty roses by the thousand, lilies, both potted and cut, and all other flowers, and plenty of them, that the trade demands.

M. A. Bowe, whose store is in that part of the city where there is something doing every minute, has the happy faculty of keeping a handsome show window every day in the year. Last week he had purple wistarias as a centerpiece, with hanging baskets of lily of the valley and pansies, the trimmings being cattleyas and strings of smilax.

Fleischman's Fifth avenue store has fine show windows and last week was showing very handsome decorations of Dorothy Perkins roses, grown to standards. Around the tubs, as a base, pots of Easter lilies were grouped, with a border of Adiantum Farleyense. The decoration was very striking and beautiful.

Siebrecht & Son are now unusually busy with their nursery and greenhouses at New Rochelle and the large amount of planting and landscape work which they are doing. At their main store, Fifth avenue and Thirty-eighth street, there is a very striking exhibit of well flowered Lilium rubrum.

Alfred Van Praag is now settled in his new store, 4 West Fortieth street, just around the corner from Fifth avenue and directly opposite the new public library, now nearing completion. The location and surroundings are excellent.

Greenhouses owned by James Weir & Son, at Sixty-eighth street and Fifth avenue, were set on fire April 13 by some person unknown to the proprietors or the police. Damage amounting to $50 resulted from the flames.

Branch Easter stores are blossoming out all over the city. One of the first to open a branch was Chas. Austin, who secured a very fine store at 259 Sixth avenue as a branch of his Seventeenth street store.

Joe Levy of John Seligman & Co. is delving into the Easter trade with great energy and vim. He always does this, but this year he has one more reason—and it's a boy.

The death is announced of Miss Dean, daughter of James Dean, Freeport.

Visitor: Alex Salter, Rochester.

Traendly & Schenck,
WHOLESALE FLORISTS,
44 West 28th Street, Phones, 798 and 799. New York City.

Alexander J. Guttman,
THE WHOLESALE FLORIST OF NEW YORK
43 WEST 28th STREET
PHONES, 1664-1665 MADISON SQUARE
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J. K. ALLEN, Wholesale Commission Florist.
Consignments Solicited.
Open every day at 6:00 a. m. Telephone, 167 Madison Square.
106 W. 28th Street, NEW YORK CITY.

A. L. YOUNG & CO.
WHOLESALE FLORISTS.
54 West 28th Street, NEW YORK.
Consignments of Choice Cut Flowers Solicited. Prompt Payments. Give us a Trial. Telephone 3559 Madison Square.

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JOHN I. RAYNOR
Are the best product of the best growers for the New York Market.
Adiantum Croweanum sold here exclusively.
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ALFRED H LANGJAHR
WHOLESALE FLORIST
55 W. 28th Street, NEW YORK.
All flowers in season. Consignments of first-class stock solicited.
Telephones, 4626 and 4627 Madison Sq.

FORD BROS.
Receivers and Shippers of
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48 West 28th St. NEW YORK.
Telephone 3870-3871 Madison Sq.

Cleary's Horticultural Co.
62 Vesey St., NEW YORK.
HORTICULTURAL PRODUCTS
WHOLESALE...AUCTION
Consignments, Quotations and Correspondence Solicited.
Sales every Tuesday and Friday.

NEWARK, N. J.—E. C. Ryman's greenhouses were destroyed by fire March 29. The loss was $2,500 and the insurance carried was $1,500 only.

QUEENS, N. Y.—Attacked and robbed of his week's salary by two highwaymen while on his way home late March 28, Gustav Blier, a working florist, of 64 Weston avenue, was found unconscious on the Long Island Railroad at Metropolitan avenue, the next morning. The police believe his assailants placed him on the tracks hoping he would be killed by a train and thus hide their crime.

PROVIDENCE, R. I.—A fire was discovered in the Park greenhouse April 5 by a policeman. The blaze spread rapidly through the building occupied as an office and the firemen had hard work in gaining control over the blaze because of the high wind which blew over the river. E. D. Clark, the owner of the place, stated that he had no idea as to the origin of the blaze. All of the greenhouses were damaged badly and his stock of plants and flowers was ruined. He could not estimate the damage, but said that it is only partially covered by insurance.

Charles Millang. August Millang.
MILLANG BROS.
Wholesale Commission Florists,
41 West 28th Street, Telephones 3860-3861 Madison, New York.

Wholesale Flower Markets

NEW YORK April, 15.

Roses, Beauty, special	15 00@25 00
" " fancy	8 00@10 00
" " Nos. 1 2 and 3	2 00@ 6 00
" Richmond	1 00@10 00
" Bride, Bridesmaid, G. Gate Special	4 00@ 6 00
No. 1	2 00@ 3 00
No. 2	1 00
Carnations, fancy	2 00@ 4 00
" common	1 00@ 1 50
Lilies	5 00@ 6 00
Lily of the valley	1 00@ 2 00
Asparagus plumosus strings	25 00@40 00
" per doz. bunches	2 00@ 3 00
Smilax	8 00@10 00
Cattleyas	35 00@50 00
Cypripediums	8 00@10 00
Violets	1 00@ 2 00 per 1000
Gardenias	3 00@15 00
Callas.....per dozen	30@ 60
Roman hyacinths	50@ 75
Mignonette	1 00@ 3 00
Jouquils	1 00@ 1 50
Sweet peas.....per doz. Bunches	35@ 75
Tulips	1 00@ 1 50
Lilac.....40@50 per bunch	
Snapdragon	2 00@ 3 00

J. Seligman. Joseph J. Levy
John Seligman & Co.
WHOLESALE FLORISTS,
36 West 26th Street, NEW YORK.
Opposite N. Y. Cut Flower Co.
Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best Prices. Satisfaction guaranteed. Tel. 4878 Madison.

Young & Nugent,
Telephone, 2065-2066 Madison Sq.
42 West 28th St., New York
To out-of-town Florists: We are in the Heart of
And give Special attention to Steamer and Theater orders. Prompt deliveries and best stock in the market.

John Young
WHOLESALE FLORIST,
51 West 28th St., NEW YORK CITY
Long Distance Telephone, 4463-4 Madison Sq.

HORACE E. FROMENT
WHOLESALE COMMISSION.
American Beauty Roses a Specialty. Roses, Violets, Carnations, Valley, Lilies, Etc.
57 West 28th St., NEW YORK CITY
Telephones: 2200 and 2201 Madison Square.

Walter F. Sheridan
WHOLESALE FLORIST,
Telephones: 3532 and 3533 Madison Sq.
39 West 28th St., NEW YORK

Moore, Hentz & Nash,
Wholesale Commission Florists,
55 and 57 West 26th Street,
Telephone No. 756 Madison Square. New York.

N. Y. Cut Flower Exchange
Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable Wall Space to Rent for Advertising.
V. S. DORVAL, JR., Secretary.

Thomas Young, Jr.
FLORIST,
500 5th Ave., NEW YORK.
Telephone: 847 Bryant.

Tel. 1009 Madison Sq. Established 1872.
PERKINS & NELSON
Wholesale Florists
57 West 26th Street, Cor. 6th Avenue. NEW YORK.

Samuel A. Woodrow
WHOLESALE
PLANTSMAN AND FLORIST
53 W. 30th St., NEW YORK.
Out of town orders a specialty.
hone 2093 Madison. Consignments solicited

Buyers of Cut Flowers

Will find a reliable source of supply in dealing with

THE LEO NIESSEN CO., Wholesale Florists, **1209 Arch St., Philadelphia, Pa.**

Philadelphia.

LIVELY TIMES FOR TRADERS.

At this writing all is bustle and confusion, the growers working to the limit, getting their last out-of-town orders off by freight and express and the first lots into the stores. From the advance orders it looks as if all would be sold, in fact, several growers are all ordered up. Carnations are easing up a bit, probably due to the near approach of the holiday. Very choice stock sold last week for $2. Prices for Easter delivery are not sure at this time. Local violets are about done and it is hardly likely that there will be any for Saturday. Up-the-Hudson doubles are said, however, to be depended on with $10 per 1,000 as the price. Southern daffodils are done and this will give the locals a chance at something like paying figures. Quantities of flowers are coming in to the wholesalers, who say that out-of-town customers are ordering as usual and some increasing over last season. It is said by some that there will still be a few local violets but that this demand will surely clean them out.

NOTES.

Harry Faust, who had 10,000 pots of lilies, is sold out. In other seasons he has had a variety of stock, but this year made a specialty of lilies alone, and says he finds it much easier, as having only the one thing to care for, he has had but little trouble, having almost the entire crop in fine shape for delivery. It is the same with the large stocks of the Craig Co. and W. K. Harris, many lines being sold out by Monday of this week. The general price of lilies has been 10 cents per flower and bud; this is for the local market, out-of-town shipments being made generally at 12 cents.

Pennock Bros. made an early display of very pretty compact plants of Dorothy Perkins and Hiawatha roses, full of flowers. Nothing just like them has been seen in this market before. The pots were placed in square terra-cotta jardinieres and a blue ribbon bow adds a touch to the pink ones.

The Leo Niessen Co. say, "We are much pleased with the outlook. We will have lots of all the popular flowers and orders are coming in that will use them all up."

The Joseph Heacock Co. finds palms moving lively just at this time, the store men saying they find a few choice palms in good demand along with the flowering plants.

Wm. McKissick will have a large quantity of bulbous stock, which, with the southern stock out of the market, should sell well. He expects a very busy time.

Geo. Anderson's hydrangeas developed into great plants, bearing immense heads of well colored flowers, and sold out clean.

John McIntyre says he expects large quantities of single violets and sweet peas, which are staples with him. K.

Pittsburg.

EASTER LILES POOR.

The week preceding Easter, is as usual, short of stock, and good prices, very noticeable in carnations. Up to Wednesday the roses did not diminish in quantity, but tightened up considerably thereafter. The lily situation is worse than ever, so many flowering prematurely. The plant market is quite active, although not just what is desired.

NOTES.

The Florists' Club met April 7 to discuss Easter plants and flowers.

H. L. Blind & Bros. had an exhibition of azaleas and other plants which brought a great amount of praise for their growers. N. C. Madson, gardener to R. H. Boggs, Sewickley, had the finest specimen of salpiglossis ever shown here. The Pittsburg Cut Flower Co. had a nice assortment of different plants from their growers. J. W. Jones, Schenley park, had some fine specimens of calceolarias, box elder, Calla Elliottiana and hybrid roses.

A visit to the Phipps conservatories in Schenley park shows that Superintendent Jones has everything that could be desired for his big Easter show. Every visitor's attention is immediately taken by a house of azaleas and genistas, which are exceptionally well done. Another house of hybrid roses in pots also shows to a great advantage. There are also good displays of calceolarias and gloxinias. The Dutch bulbs are noteworthy, although Mr. Jones complains of the bulbs. Tulips include Proserpine, Coleur Cardinal, Vermillion Brilliant, Kaiserkron, Cottage Maid, Prince of Austria, Goldfinch, Mon Tresor, Rose Louisante, Albian, Joost von Vondell, Murillo, Imperator Rubrorum and Couronne d'Or. Narcissus Von Sion, Sir Watkin, Trumpet Major, Ajax Princeps, Victoria, Emperor, Empress, Henry Irving Jonquils and Poeticus Ornatus are also shown. The collections of crown imperials, Fritillaria Meleagris, Grape hyacinths, Scilla Siberica, hydrangeas, Cineraria stellata, lilacs, wisterias, Lilium longiflorum, L. candidum and L. tenuifolium, amaryllis, rhododendrons, spireas and bleeding hearts are also worthy of notice.

The Botanical Society of Western Pennsylvania held its monthly meeting April 9, the meeting being devoted largely to an informal series of talks on local botany. Speaking of Trilliums, it was noted that T. nivale was found in flower at Wildwood March 29, 1908. H. H. Negley showed several hybrid orchids and remarked upon the influence of their parents in the plants shown. The herbarium room was prettily decorated for the occasion. The next meeting will be held May 14. J.

FALL RIVER, MASS.—Business is very quiet here owing to dullness in the cotton trade.

WALTHAM, MASS.—This city is in the lead as regards the interest which the pupils of the public schools take in the preliminary work of the year outlined by the Home Garden Association. Already 14,700 packages of seed have been applied for. The treasurer has just sent a check for $147, covering the amount of the order, to the Cleveland Home Garden Association of Cleveland, O. Fifteen prizes will be offered for the best gardens. Cameras will be given for the three best pictures of gardens before planting and at the close of the season. The first general prize will be valued at $2, while the next three will amount to $1. In addition to the prizes, all winners will be given a trip to the Arnold Arboretum at Jamaica Plain at the close of the season.

J. J. Harty & Company

Wholesale and Commission

.FLORISTS.

1312 G St., N. W., Washington, D. C.

Phone Connection Main 5011

Boston.

ROSES THE BEST STOCK.

Retailers are anxiously awaiting the results of Easter, the second greatest period of importance to the trade. While hoping that the holiday will be a general revival of business, existing circumstances in all industries point to only a mild celebration of the day. The past week was the dullest of the same period in the year ever remembered by the present generation, so we are entering this week a very much discouraged and alarmed class of tradesmen. The market is in an heretofore unequaled position to transact the greatest business of the past decade; cut flowers and flowering plants were never displayed in such quantities and of such rare quality as the present stock. With the exception of violets, the collection of flowers is complete and should inspire eager purchasing. A more complete line of flowering plants is seldom shown. For the past few years a remarkable interest has gradually grown in these specialties and this year the results are most gratifying. A full line of roses is available at prices a trifle below the average Easter list, and no doubt will remain so throughout the week. American Beauty is excellent and for the best grade $4 is asked. Killarney is by far the most popular rose on the market and sells in all grades from $1 to $4 per dozen. At the latter figure selected stock well worth the price is meeting with great approval. Richmond is not up to the mark, but a high scale of prices is maintained which will be likely to lessen the desire for this favorite. Bridesmaid is in first class shape. Mme. Chatenay is not so plentiful as usual. Bride, the only white, has improved considerably during the last few weeks and is now in superb form. Carnations still display the weakness which has characterized them all through the year, and no surprise will be felt if they are lacking in their usual favor. English violets have now an opportunity to re-establish themselves with their former admirers who have turned to the single varieties. Cutting has been very light, due to the efforts to place a sufficient supply on the holiday market. One or two of the largest growers are carefully guarding their Princess, which seems to be the only apparent scarcity of the whole list. An abundance of good lily of the valley is at hand and the same may be said of gardenias. Orchids, however, are scarce in the local market. The worst feature of the Easter lily plants so far seen is their dwarfness. The blooms are excellent, but the great bulk of the stock seems to be not more than two feet high. It has been a disastrous season for the growers of this line of stock.

F. E. Hanna of Holbrook is cutting the first of the season's gladioli and is distributing a crop of excellent specimens of this desirable flower. B.

Our Easter Lilies Are the Best.

When you buy from us you get quality, $15.00 per 100. All our flowers for Easter will be A No. 1, at right prices.

PITTSBURG FLORISTS' EXCHANGE, Pittsburg, Pa.

AMERICAN BEAUTIES

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. **Boston, Mass.**

GRAFTED AND OWN ROOT ROSES

KAISERIN, CARNOT, KILLARNEY, RICHMOND, LIBERTY, BRIDE and BRIDESMAID.

—Send For Prices—

W. H. ELLIOTT, BRIGHTON MASS.

Pittsburg Cut Flower Co.

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CARNATIONS in quantity. Special prices on large orders.

ABSOLUTELY THE BEST POSSIBLE SERVICE.

W. E. McKissick

WHOLESALE FLORIST,

Business Hours 7 a.m. to 8 p.m. 1619-1621 Ranstead St., PHILADELPHIA, PA.

Massachusetts Agricultural College.

The department of floriculture is arranging for a carnation and rose exhibition to be held in Wilder hall in the evenings of April 24-25. It is felt that the students at the college should receive a better training in varieties of commercial crops than they can get from materials now grown in the vicinity. The students feel that they cannot afford to travel for this study, therefore this exhibition has been arranged. Professor E. A. White has written many of the most prominent rose and carnation growers asking if they would send one or two dozen blooms of their standard varieties for exhibition at this time, and has received many cordial replies. The New Hampshire Agricultural College will show six or eight of their best seedlings; Peter Fisher, Ellis, Mass., will send several of his unnamed seedlings and some of his standard varieties; C. W. Ward, The Cottage Gardens, Queens, N. Y., will show the following varieties: Creole Beauty, Alma Ward, Mrs. Harvey, Beacon and Mrs. C. W. Ward. Among others who have signified their intention to send material for exhibition are Alexander Montgomery, Waban Rose Conservatories, Natick; J. W. Adams & Co., Springfield; H. W. Field, Northampton; Peirce Bros., Waltham; William Sim, Cliftondale; F. R. Pierson Co.; S. J. Goddard and H. H. Rogers. This exhibit will be open to students and townspeople and should have considerable educational value. It has not been possible to write each individual grower asking for contributions and if there are others who care to contribute to this show their material will be heartily appreciated. The college will pay all express charges.

The trustees of the college are asking for a legislative appropriation of $34,000 for a new range of greenhouses of modern commercial type, with an attached teaching building for use of the floricultural department. It is not the intention of the college to engage in commercial floriculture, but a new range adapted to giving the students up-to-date instruction in methods of growing cut flowers for the trade, is badly needed. It is expected to build an instruction building costing about $15,000. This will contain a large laboratory and work room to accommodate at least 50 men at one time, a class room for 100 men, smaller class rooms, office, and a room for the exhibition of material used in greenhouse construction. The basement will contain a soil and fertilizer room, a cool room for bulbs and rooms for storage of pots and implements.

The greenhouse range as now planned will consist of a palm house 30x40 feet on the east end of the general work room. From the south side of this work room a house 12 feet wide and about 180 feet long will run directly south. This will be used for propagating and for general plants. On the east and west sides of this the special houses of the range will be built. This will provide for a full southern exposure for each house. The range as planned includes a students' house for special student work, 30x50 feet; violet house, 24x50 feet; chrysanthemum and bedding plant house, 24x50 feet; lettuce house, 24x50 feet. These will be even span houses. The range will also include a rose house 24x50 feet, a carnation house, cucumber house and tomato house each of the same dimensions. These will be three-quarter span houses. This range will be built as durable as possible with iron frame and cement foundation and benches.

J. B. Murdoch & Co.

714 Penn Avenue, PITTSBURG, PA.

All Seasonable Flowers.

Wholesale Flower Markets

PHILADELPHIA, April, 15.	
Roses, Tea	4 00@ 6 00
" " extra	8 00@10 00
" Liberty	6 00@25 00
" Beauty, extra	20 00@25 00
" " first	10 00@15 00
Carnations	1 50@ 3 00
Lily of the valley	2 00@ 3 00
Asparagus, bunch	50 00
Smilax	15 00@20 00
Adiantum	1 00@ 1 50
Violets, single	50@ 75
" double	50@ 60
Cattleyas	50 00@60 00
Lilium Harrisii	10 00@12 00
Mignonette	2 00@ 3 00
Sweet peas	50@ 75
Gardenias	35@ 50
PITTSBURG, April. 15.	
Roses, Beauty, specials	30 00@40 00
" " extras	20 00@25 00
" " No. 1	10 00@15 00
" " ordinary	4 00@ 8 00
" Bride, Bridesmaid	3 00@10 00
" Chatenay	3 00@12 00
" Richmond	4 00@12 00
" Perle	6 00@ 8 00
" Killarney	4 00@12 00
Carnations	2 00@ 3 00
Lily of the valley	3 00@ 4 00
Smilax	12 50@15 00
Asparagus, strings	50 00
" Sprengeri	3 00@ 4 00
Lilies	10 00@15 00
Adiantum	75@ 1 00
Violets	50@ 75
Cattleyas	75 00
Paper White Narcissus	2 00@ 3 00
Roman hyacinths	2 00@ 3 00
Sweet peas	50@ 1 00
Daffodils	1 00@ 3 00
Dutch hyacinths	4 00
Candytuft 25c per bunch	
Cornflowers	2 00
Stocks, 10 week	2 00
Snapdragon	3 00
BOSTON, April. 15.	
Roses, Beauty, best	20 00@25 00
" " medium	12 00@16 00
" " culls	6 00@12 00
" Bride, Bridesmaid	1 00@ 2 00
" Extra	4 00@ 8 00
" Liberty	8 00@12 00
Carnations	1 00@ 2 00
" Fancy	2 00@ 3 00
Smilax	8 00@12 00
Adiantum	75@ 1 25
Asparagus	35 00@ 0 00
Harrissi	10 00@12 00
Callas	8 00@12 00
Daffodils	1 00@ 2 00
Narcissus	2 00@ 3 00
Sweet peas	50@ 1 00

A good opening for Sweet Pea shipper. Also Southern Daffodils, Lilac, Arbutus Violets and Lupinus.

JOHN W. McINTYRE,

1601 Ranstead St., PHILADELPHIA.

LOUISVILLE, KY.—After an arrest on the charge of drunkenness, Henry Dietrich, a florist in the employ of Walker & Co., died at the City hospital April 3. A wife and two children survive Dietrich. He quit work and informed his family that he was going to Eighteenth and Southgate to visit a friend.

NORTHAMPTON, MASS. — Thomas Foulds, who for the last two years has been gardener for the Home Culture clubs has resigned his position and will soon move to Amherst where he will have charge of the extensive estate of E. F. Leonard. Since coming to this city Mr. Foulds has been very successful and has brought the flower growing operations of the Home Culture clubs to a high condition of efficiency. In the past he has filled very responsible positions. He was for a number of years head gardener on the estate of Wm. M. Singerly of the Philadelphia Record and also of the Mount Airy Nurseries of Germantown. Later he started in business on his own account and was successful in growing roses for the Philadelphia market. For years his 18 acres of gardens and his houses under 22,000 square feet of glass were show places along the line of the Philadelphia & Reading railroad. Mr. Foulds leased his property in order that he might retire from mercantile life. He now returns to his old position of private gardener.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

Philadelphia, Pa.

Robert Kift,

1725 Chestnut Street.

Prompt and Careful Attention given to all Mail and Telegraph orders.

St. Louis.

WHITE ROSES SCARCE.

The inclement weather experienced during the past week helped materially to increase the supply and the continuous rainy spell cut off what little transient trade was doing. This was noticeable in the downtown retail district especially, and caused the wholesale houses to be badly stocked up with everything with the exception perhaps of white roses, which became, and are at the time of writing, very scarce and bringing stiff prices. White carnations have been very plentiful, especially of the poorer grades. Roses in colored stock were in big supply, but Saturday and Sunday prices stiffened all around. From the present outlook it seems, with favorable weather, that the supply at Easter will be enough to go around. Sweet peas are coming on fine, long stems and are now selling better, as violets are about over, although some growers will furnish a few for Easter. Some fine Asparagus Sprengeri and A. plumosus in bunches are coming in and find good sales.

NOTES.

There are to be erected at the cost of $500,000 seven buildings on the Missouri Botanical Garden property and the establishment of the finest herbarium in the world has been announced by the trustees of the Shaw estate. The idea of establishing the largest herbarium in the world originated with Dr. Trelease, director of the botanical garden. There will be a spring flower show at the garden this week. It is hoped that the late freeze did not hurt sufficiently to mar the beauty of the show.

The Florists' Club met at its new hall on Locust street, a few members being present, with Will Young in the chair. The trustees are considering the arrangements for the annual picnic. The nines of both sides, wholesale and retail, have gone into training. The retailers are still sore over the drubbing given them last year by the wholesalers, and intend to turn the tables this year if possible.

At the parks preparations for spring are being daily carried on and Geo. Ostertag, park superintendent, has his hands full. Last year his work gave general satisfaction.

Mrs. Theodore Richter of Kirkwood is cutting some really good violets for this time of year. She has them well taken care of and expects to bring them in up to Easter.

A department store advertised Dutch hyacinths in pots at five cents. This is very embarrassing to those who are trying to wholesale them at six to eight cents.

J. W. Dunford is doing a first class trade at his west end shop. He has a fine crop of lilies for Easter. He is cutting from 2,000-3,000 carnations daily.

The Ellison Floral Co. was very busy last week with the funeral of Byron Nugent and furnished some most elaborate designs.

There will be a beautiful floral booth erected at the charity carnival to take place May 16 at Forest Park Highlands.

August Hartman and his brother are cutting some fine long-stemmed sweet peas.

W. F.

Detroit, Mich.

John Breitmeyer's Sons

Cor. Miami and Gratiot Aves.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

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FLORISTS,

1415 Farnum St. TELEPHONES 1501 and L 1582

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Both Phones 2670 Main.

Write, Telephone or Telegraph. All orders given prompt attention.

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Telegraph Orders a Specialty. **218 W. 4th St.**

Boston, Mass.

HOUGHTON & CLARK,

FLORISTS

Telephone Connection. **396 Boylston St.**

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Woodland Seed & Floral Co.,

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Will fill all orders for **Cut Flowers, etc.** for steamers for **Japan** and **Alaska** or any part of the Pacific coast. **A. L. AABLING, Gen. Mgr.**

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JACOB SCHULZ,

644 FOURTH AVENUE.

Cut Flowers of BEST QUALITY in season, delivered promptly to any address.

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Greenhouses: Short Hills, N. J.

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Greater New York, Long Island and New Jersey.

Trade orders from all parts of the country filled for delivery at residence, steamer, hotel, or theater on wholesale basis. Satisfaction guaranteed. Wire or telephone.

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Wm. Blackman Floral Co.,

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Prompt attention given to all mail, telephone and telegraph orders.

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Special attention to Telegraph or Telephone orders. **'Phone 1912.**

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HOLM & OLSON,

ST. PAUL.

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in MINNESOTA AND THE DAKOTAS.

Rochester, N. Y.

J. B. KELLER SONS,

FLORISTS,

25 Clinton Avenue, N.

Rochester Phone 506. Long Dis. Bell Phone 2189.

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14th and H Streets.

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CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

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Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address: "Daniels, Denver."

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Established in 1857.
Wittbold FLORIST
1657-1659 Buckingham Place,
L. D. Phone 558 Lake View.
Send us your retail orders.
WE HAVE THE BEST FACILITIES IN THE CITY

Cincinnati.

GOOD EASTER PROSPECTS.

Since last report business, as a rule, has been very quiet; here and there we have a day when stock cleaned up pretty well, but the majority of days the wholesaler has to sacrifice stock to move it. The market continues to be glutted with bulbous stock and the barrel seems to be the only outlet for this line of goods. At no time in the last 20 years, to the writer's recollection, have the prices of daffodils, tulips and hyacinths been slaughtered as this year. There does not seem to be any values, the question being—"How much will you give?" Good carnations are a little less plentiful, but this no doubt can be attributed to the grower not cutting as closely as formerly, holding the houses as cool as possible and hoping for a better market at Easter. Roses are certainly fine and clean, and it is a pleasure to handle them. Lilies, both callas and Harrisii, are plentiful and the outlook for Easter is very encouraging. We have any number of inquiries from out-of-town buyers for pot plants, but the growers hesitate before filling these orders. As a rule, they are too busy with other work to bother with packing plants for shipping Easter week. The market is well supplied with green goods of all kinds, especially asparagus, both plumosus and Sprengeri.

NOTES.

Julius Baer had a window decorated with Merry Widow hats trimmed with natural flowers last Saturday which created quite a lot of favorable comment from the passersby and secured him a notice from the press. His decorator is certainly an artist.

Geo. Huntsman's manager uses a great deal of taste and is original in his ideas. He decorated a window with callas and white gauze ribbon the past week which was a dream and gave the public an idea of what could be done with these flowers if properly used.

J. A. Petersen has the finest lot of hydrangeas in bloom and one would have to go a good distance to beat them. His Nephrolepis Piersoni are a grand lot; in fact, his entire stock was never in better condition.

On upper Vine street there is a quiet, unassuming lady, Mrs. Mary Thomas, who has a neat little store and does a nice business. She always buys the best of stock and turns out some very nice work.

Frank Benson of Newport returned from Oklahoma last Wednesday. He says that is the country to go to if you want to make money, as there are all kinds of chances for a young man.

Tom Windram's grower, from his farm in Florida, writes that his plants are growing fine and he can take care of any order, the larger the better.

Along Vine street we notice Tromey's new electric sign which is kept decorated with fresh wild smilax, and at night attracts attention a square distant.

Geo. Corbett of College Hill will have a fine lot of Crimson Rambler roses, Lilium Harrisii and callas in pots for Easter, besides his regular cut. S.

RUTLAND, VT.—F. E. Grimes has succeeded O. L. Hill at 78 Plain street.

ASPARAGUS, BOSTONS, AZALEAS.
Plumosus Nanus, 2½-in., $3.50 per 100, $30.00 per 1000; 3-in., 6c; 3½-in., 10c; 4 in., 12c; 5-in., 20c; 6-in., 30c. Comorensis, 2-in., 2c; 2½-in., 3c; 3½-in., 6c. Sprengeri 2½-in., 3c; 3½-in., 8c; 4-in., 10c.
Bostons, 2½-in., 4c; 3-in., 8c; 6-in., 40c; 7-in., 65c; 8-in. $1.00 to $1.50; 10-in $1.50 to $2.00.
Azaleas. We are now booking orders for Easter delivery. Our stock is the best in the west.
Phones Bell Forest 1453. Kinloch, Delmar 474 L.
J. W. DUNFORD, Kingshighway and Page Blvd., Greenhouses at Clayton, Mo. St. Louis, Mo.

Cut Flowers or Designs
Will be delivered for the Trade on Wire or Mail. Orders in Best Qualities and Prices.

St. Louis, Mo.
Fred C. Weber,
FLORIST,
Established 1873. Bell, Lindell 676. 4320-4328 Olive St.

San Francisco, Calif.
J. B. Boland Co.
Successors to Sievers & Boland.
FLORISTS,
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Cleveland, O.
The Cleveland Cut Flower Co.
Will fill your orders for designs and cut flowers in
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WRITE, WIRE OR PHONE YOUR ORDERS TO
YOUNGS,
1406 Olive Street.
Regular discount allowed on all orders, either Plants or Cut Flowers.
Phones Bell, Main 2306. Kinloch, Central 4981.

Dayton, O.
Matthews,
—FLORIST—
16 W. 3rd Street.
Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones

Chicago.
HAUSWIRTH FLORIST
M. C. and J. E. Hauswirth.
Auditorium Annex.
Mail, telegraph or telephone orders filled promptly in best style.

Kansas City, Mo.
WILLIAM L. ROCK Flower Co.,
Will carefully execute orders for Kansas City and any town in
Missouri, Kansas or Oklahoma.

Milwaukee, Wis.
C. C. Pollworth Co.
Will take proper care of your orders in **WISCONSIN.**

Indianapolis, Ind.
Bertermann Bros. Co.
FLORISTS
.....241 Massachusetts Ave.

Albany, N. Y.
EYRES
Flowers or Design Work.
DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.
11 NORTH PEARL STREET.

Denver, Colo.
The Park ...Floral Co.
J. A. VALENTINE, President.

M. A. Bowe
IN HEART OF NEW YORK CITY.
Phone, 2270 38th St. 1294 Broadway, N. Y.
Our Motto—THE GOLDEN RULE.

Kansas City, Mo.
GEO. M. KELLOGG,
906 Grand Avenue.
KANSAS CITY and PLEASANT HILL, MO.
Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

Buffalo, N. Y.
Palmer's
W. J. Palmer & Son, 304 Main St.

The Seed Trade.

American Seed Trade Association.
Geo. S. Green, Chicago, Pres.; M. H. Duryea, New York, First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-sixth annual convention, June 23 to 25, at Hotel Ponchartrain, Detroit, Mich.

AND the free seed competition is slated for continuation. Shall the congressman be equally amenable to the law when he distributes adulterated seed? Why not?

FRENCH BULB prices are quoted at first hand by French exporters about as follows April 1: White Roman hyacinths, 12 to 15 ctm., 70 francs; Paper White Narcissus grandiflora, 20 to 25 francs, according to size.

SINCE the germinating power of seeds depends greatly on the prevailing weather and climatic conditions from the blooming period to the time the seed ripens, no general germinating percentage is practicable. In dull and wet seasons the seeds mature imperfectly. This is particularly the case in composites.

IT is understood that the so-called pure food law, for which the law makers have taken considerable credit, was practically inoperative in some respects and would have put a lot of the canners out of business had not President Roosevelt stepped in and stopped operations completely pending the report of the commission regarding sodium benzoate.

FRESH LETTUCE SEED frequently will not germinate well under ordinary conditions until three months old. Who shall prove in January whether certain lettuce seeds are dead or alive when they will not sprout, and if the seedsman be imprisoned in that month because the lettuce seed fails to sprout will they let him out in April when the same seed does grow?

GROWERS of onions for pickles, of whom there are many in the suburbs of Chicago, have figured it out that they could not buy from a seed importer or dealer (who was not criminally liable under the proposed act), the variety of Italian grown onion seed known as New Queen, for it is well known among both dealers in and users of this variety of onion seed that its normal average germination is 65 to 75 per cent, and this seed will seldom if ever germinate over 80 per cent.

REPRESENTATIVES MANN of Illinois and Hepburn of Iowa are both reported to have bought seeds which not only failed to grow, but were not true to name, hence the framing of this law which they found the need of. Question—Did they both know how to plant and care for the seeds in question and were the soil and weather conditions suitable? Was the seed smilax which will germinate only in the dark or was it seed of chervil which will lie in the ground a year before sprouting? Let us have the facts.

Braslan Seed Growers' Co.
Growers for the Wholesale Trade Only.
SAN JOSE, CAL.

CHICAGO.—A number of seedsmen were in the city during the past week and there has been considerable discussion of the proposed seed bill. Opinion seems divided between those who believe in ignoring the bill, thinking it entirely too impractical to be operative, and others who deplore the difficulties that such law may create, legal entanglements which might be avoided were a reasonable law enacted.—Prices of onion sets rule a little stronger, being quoted April 14 at $2.25 for yellow; $3 for white and $2.50 for red.—Grass seed contract prices on the board of trade April 14 were noted as follows: Prime Timothy, $4.25 (fillers); choice white clover, $15.

Part of the Trade Out of Business.

Under the proposed seed bill H. R. 13835 if any of the following imported seeds contain dead seeds materially reducing their value, the dealer in same would be criminally liable. Since it would require with some varieties below named too much time to make practical tests and since, with many, the seedsman could not possibly know nor any individual or official inform him, it may be promptly conceded that, should the law pass, only seed dealers willing to assume great risk of prosecution will deal in the following:

Seeds requiring a long time to germinate:

Angelica	Chervil, Spanish
Anise	Chervil, tuberous
Hop	Rosemary
Capers	Asparagus
Woodruff	Rose seed

Seeds which cannot well be tested:

Phlox decussata	Palm seeds
Edelweiss	Funkia
Aconitum	Primula Auricula
Clematis	Lathyrus latifolius
Convallaria	Pæonia
Dielytra	Viola odorata

Seeds which must be cut and soaked before vitality can be ascertained:

Moonflower	Canna seed
Acacia	

Was Good Faith Shown?

If the proposed seed bill was conceived and carried through the committee on interstate and foreign commerce in good faith toward the seedsmen why were not the officials of the national seed trade organizations given a hearing before the bill was passed on by the committee? The only inference is a reflection on the seedsmen. The result of reporting this bill to the house without consultation has caused the publication in leading newspapers of large circulation of statements attacking the seedsmen as a class, assuming that they were so habitually adulterating and misbranding their seeds that there was crying necessity for restraining laws against all of them. Such unfortunate, uncalled-for and untrue accusations would never have been given circulation had the seedsmen been given a hearing with government employes who were heard February 8 last.

Here is one sample, from scores, of this unrighteous work:

FOR PURE SEEDS.

Having legislated for pure food, pure drink and pure drugs, congress is now asked to pass an act prescribing penalties for the misbranding or misnaming of seeds sold to farmers and gardeners. The purpose of the law is to compel dealers to sell seed that is true to name, and that is fertile as well.—Seattle, Wash., Post-Intel., April 4, 1908.

F. W. Bruggerhof in New York Tribune.

That the adulteration of seeds has attracted attention, though chiefly concerning the lower grades of grass seeds for farmers, is suggested by the proposed pure seed bill introduced by Representative Mann "to regulate commerce in adulterated and misbranded seed and to prevent the sale or transportation thereof, and for other purposes." His bill proposes to make the adulteration or misbranding of seeds a misdemeanor, punishable by fine and imprisonment.

In order to secure the views of some authoritative dealer in seeds concerning the charges above mentioned the writer called on F. W. Bruggerhof, president of J. M. Thorburn & Co., an historic seed house in Barclay street. Mr. Bruggerhof, who is also president of the Wholesale Seedsmen's League, said: "I raise no question as to sincerity and the good intention of Representative Mann concerning the proposed pure seed bill, but there are special and unique conditions which govern the seed business. The practicability of regulating sporadic cases of fraud, or fraud in some branch of the trade, without seriously injuring those who have built up a reputable business, is a mooted question. To attempt to determine the degree of purity and germination legally necessary of the odd four or five thousand varieties which J. M. Thorburn & Co. handle every year, for instance, is an impossible task. It would require months before the results of tests could be obtained, and would involve endless disputes over questions of more or less personal opinion and practice. The chief complaint comes from the poor quality of grasses used by farmers and sold at every crossroads store. It may be possible to regulate the sale of these seeds because there is a relatively smaller number of varieties. Furthermore, in vegetable seeds it is not always the highest percentage of vitality which gives the best results as to the quality of the vegetable resulting therefrom. There are instances of some strains of cabbage, lettuce, beets and others which, notwithstanding their lower degree of vitality, frequently result in a much superior type, and there can be no fixed rule to govern the products of the earth, which are determined by soil and weather conditions. No sane man can believe that a concern with capital invested in a legitimate enterprise could be so short-sighted as to believe that it could deceive the public all the time. A great man said something on that score.

"I wish, however, emphatically to note that the unfairness of the Mann bill lies in the desire to avoid the question of intent and the seeming determination, even in face of the peculiar difficulties of the situation, to place the burden of proof on the seedsmen and make them criminals through the carelessness or error of some of the many persons through whose hands the seeds pass. Personally, and I think I voice the sentiments of the trade, there is need of some regulation, particularly concerning cheap seeds for the farmer, but the matter should be carefully gone into, not only from the scientific but also from the practical and feasible aspect."

J. E. Northrup in Northwest Agriculturist.

"The great difficulty with this bill as it now stands is that in some of its provisions it exacts what apparently are impossibilities. Seed is not made, it is grown, and there are many imperfections in seeds which cannot be remedied by the hand of man. The bill overlooks that fact, but doubtless in the course of time this will be recognized and remedied."

(Additional Seed Trade News, page 634)

Seed Beans

F. L. HOGUE,
CARPINTERIA, CAL.,
Grower for the Wholesale Trade only:

Waldo Rohnert

GILROY, CAL.
Wholesale Seed Grower
Specialties: Lettuce, Onion, Sweet Peas, Aster Cosmos, Mignonette, Verbena, in variety.
Correspondence solicited.

HJALMAR HARTMANN & CO.

Growers for the Wholesale Trade Only.
31 Barclay St. NEW YORK. **12 Stormgade, COPENHAGEN.**

CAULIFLOWER and CABBAGE SEED

Rogers Brothers,

SPECIALTY GROWERS.
Purest Strains GARDEN PEA and BEAN SEED.
For the Wholesale Trade. **ALPENA, MICH.**

W. J. Eldering & Son,

Wholesale Bulb Growers and Dealers.
OVERVEEN. HAARLEM. HOLLAND.
Headquarters for High Grade **Hyacinths, Tulips** and **Narcissi.** We do not sell at Retail. Write for special quotations on large quantities.

C. C MORSE & CO.,

SEED GROWERS,
Address all communications to our permanent address
48 to 56 Jackson St., SAN FRANCISCO.
ONION, LETTUCE, SWEET PEAS. and other California Specialties.

MICE PROOF SEED CASES.

SEND FOR BOOKLET.
HELLER & CO., Montpelier, O.

S. M. ISBELL & CO.

JACKSON, MICH.
Contract Seed Growers,
Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.
Correspondence Solicited.
Write for Prices on Surplus Stocks for Immediate Shipment.

Telegraph Code

Am. Seed Trade Association
$2.00
In either stiff or flexible cover. Address orders
AMERICAN FLORIST CO., CHICAGO.

ONION SETS.

WE ARE HEADQUARTERS
YELLOW - RED - WHITE
WRITE FOR PRICES.
SEEDS Leonard's Vegetable Seeds Are The Market Gardeners' Standard.
Largest Growers of Peas, Beans, and Garden Seed in the Central West.
Catalogue Now Ready. Send For It.
Leonard Seed Co., = CHICAGO.

Canary Islands Onion Seed

BERMUDA, Red and White. Also **CRYSTAL WAX.**
Choicest Seed at Moderate Prices.
We don't sell direct to truckers.
Kuhner, Henderson & Co., **TENERIFFE, CANARY ISLANDS.**

LAWN GRASS SEED in Bulk and Packages

Dickinsons, Evergreen, and Pine Tree Brands
SPECIAL MIXTURES SEED FOR **GOLF GROUNDS**
MINNEAPOLIS **THE ALBERT DICKINSON CO.** CHICAGO

ONION Sets

Write for samples and prices
Seed Potatoes, Red River Stock.....
VAUGHAN'S SEED STORE, Chicago.

ONION SEED We offer at following special prices what limited surpluses of our pedigree onion seed we have of crop 1907, cash with order, immediate shipment: Per lb.

Southport Yellow Globe	$ 1.20
" Red "	1.20
" White "	3.00
Yellow Globe Danvers	1.10
Prize Taker	1.30

Fine stock sweet corn, peas and beans. Trade price list on application.
S. D. WOODRUFF & SONS,
82 Dey St., New York City. Orange, Conn.

Peas AND Beans

Alfred J. Brown Seed Co.,
GRAND RAPIDS, MICH.

VANZANTEN BROTHERS

Royal Netherlands Bulb Nurseries and Export Trade.
HILLEGOM, HOLLAND.
Wholesale growers of the leading sorts of Hyacinths. Tulips, Narcissus. Crocus, Spiræas, Gladiolus, Pæonies, etc., etc. We further ask your attention to our superior quality and special prices of French Bulbs, Roman Hyacinths, Paper White Gr., etc. Ask quotations from our traveler
MR. G. HYLKEMA,
care of Messrs. Maltus & Ware,
14 Stone St., NEW YORK.
Who will also send you, on demand, catalogue and special prices of all
HOLLAND BULBS AND PLANTS.

PROCEEDINGS

Of the Congress of Horticulture held at the Jamestown Exposition, September 23, 1907,
Linen Bound. 108 pages. Price, 25c.
This publication includes the formal addresses and discussions of the papers read at the meeting which covered the various phases of Horticulture. This meeting was pronounced by Horticultural authorities as one of the greatest Horticultural meetings ever held in a single day,
For copies address
H. C. IRISH, Sec'y,
National Council of Horticulture, Missouri Botanical Garden, **St. Louis, Mo.**

NOW READY 1908 EDITION Trade Directory.

Seedsmen Meet at Chicago.

In response to the call of President Geo. S. Green of the American Seed Trade Association, a meeting of seedsmen was held at the Auditorium Annex, Chicago, April 10. The Mann Pure Seed Bill was the subject under discussion.

It was the sense of the meeting that important changes in the bill were needed to avoid great injustice to seedsmen and serious damage to important agricultural interests. A committee representing this meeting and the American Seed Trade Association will be sent to Washington to attend the hearing before the committee on interstate and foreign commerce, April 21. It is hoped that amendments in the bill may be secured which will avoid injury to legitimate seed business.

The members of the committee, headed by Geo. S. Green, Pres., thus far appointed are:

Chas. Dickinson, Chicago.
Chas. N. Page, Des Moines, Ia.
J. C. Vaughan, Chicago.

Among those in attendance at the meeting were:

E. M. Parmalee. J. H. Allan Seed Co.
W. W. Barnard, W. W. Barnard Co.
A. J. Brown, A. J. Brown Seed Co.
N. J. Burt, N. J. Burt & Co., Burlington, Ia.
Robt. Pommer, D. I. Bushnell & Co.
S. G. Courteen, Milwaukee, Wis.
Carl Chesmore, Chesmore-Eastlake Co., St. Joseph, Mo.
A. E. Reynolds, Crabb-Reynolds-Taylor Co., Crawfordsville, Ind.
Chas. Dickinson, The Albert Dickinson Co.
Chas. C. Boyles, The Albert Dickinson Co.
Lem W. Bowen, D. M. Ferry & Co., Detroit.
J. A. Smith, S. W. Flower & Co., Toledo, O.
Thos. M. Hunter, Chicago.
Geo. S. Green, Illinois Seed Co., Chicago.
Chas. N. Page, Iowa Seed Co., Des Moines.
J. Wm. Jefferson, National Seed Co., Louisville, Ky.
S. F. Leonard, Leonard Seed Co., Chicago.
J. Chas. McCullough, Cincinnati.
H. H. Windheim, Nebraska Seed Co., Omaha.
Fred S. Plant, Plant Seed Co., St. Louis, Mo.
Benj. F. Corneli, Schisler-Corneli Seed Co., St. Louis, Mo.
H. A. Johns, Sioux City Seed & Nursery Co., Sioux City, Ia.
L. Teweles, L. Teweles & Co., Milwaukee.
Mel L. Webster, Independence, Ia.
J. C. Vaughan, Vaughan's Seed Store.
L. H. Vaughan, Vaughan's Seed Store.
Wm. F. Nichol, St. Louis Seed Co., St. Louis.

Experts' Hearing on Seed Bill.

SOME QUESTIONS AND ANSWERS.

Mr. Mann. Do you find that there is any variation in the variety of seeds as to names. Are they true to name?

Mr. Tracy. They are not always true to name. Often there is a wide difference in the cost of growing seed of different varieties, and a more easily grown seed is supposed to be harder to produce.

Mr. Bartlett. Speaking of the adulteration of seed, is it not a fact that the very best seed obtainable will not result as to the character of production, but will depend a good deal upon the soil, the manner of cultivating the seed, and things of that sort? One man on one side of the road will have the same seed as another man on the other side, but one man will have a different method of cultivation from the other and will get a better result. You cannot always expect the result from the seeds?

Mr. Tracy. Cultivation is quite as important as the seed. Some seed growers arrange with farmers to plant a certain area with a certain kind of seed, and they pay the farmer a prescribed price per pound or per bushel for all the seed raised. The reason for that is that, in certain varieties of peas and beans and in cases of other seed, the seed constitutes an important part of the cost of producing the crop, and many of the poorer farmers do not have the seed on hand, and so they are compelled to deal with the grower. Again, many farmers till farms on share leases and the owner of the farm insists upon a seed crop, because a seed crop is not sold in the market promiscuously, but is delivered to the seedsman, and consequently the owner of the farm can be sure of getting his full share of the product. The farmer grower does not as a rule receive for the growing of these seeds quite as much as he would receive for the ordinary crop, and the seedsman controls, or tries to control, the entire crop.

[Seedsmen will be much interested in the pertinent and definite information supplied to the makers of the new law as shown in the extracts given above from records of this hearing which was held February 4. No commercial seedsmen were present.—ED.]

Comments on Seed Bill H. R. 13835.

First.—This bill is impractical and should be remodeled from the ground up.

Second.—The trade is prepared to accept a grass and clover seed bill covering imported adulterants such as have been admittedly dumped into this country by certain unscrupulous foreign dealers.

Third.—If legislation is needed in garden and flower seeds as sold in commission boxes, let it be done by a practical commission of seedsmen and experts who know what is required; but we do not admit that the garden and flower seed trade as carried on aside from the commission box trade needs legislative action.

Fourth.—Bulbs are not adulterated to any extent nor are dead bulbs sold, because, if so, the fact may readily be seen and no one can be deceived, hence bulbs can be omitted from the bill.

TO THE TRADE
HENRY METTE QUEDLINBURG, GERMANY.
GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)
Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspurs, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.
HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, mixed), the most perfect and most beautiful in the world, $5.00 per oz.; $1.50 per ¼ oz.; 75c per 1-16 oz. Postage paid. Cash with order.
All seeds offered are grown under my personal supervision on my own grounds of more than 3,000 acres, and are warranted true to name, of strongest growth, finest stocks and best quality.
I ALSO GROW LARGELY SEEDS ON CONTRACT.
List of my novelties in flower seeds for 1908 sent on application.

MUSHROOM CULTURE
The Most Profitable Outdoor Industry Known.
If you want a really successful crop of
MUSHROOMS
USE ONLY
Johnson's Improved
MUSHROOM SPAWN
Which Is Scientifically Inoculated with Virgin Spawn.
JOHNSON'S, LTD., are thechief makers of Mushrooms Spawn and growers of Mushrooms in England, and they recommend this season's improved spawn as being in better condition than ever.
Correspondence invited for OVERSEA ORDERS. Prices and particulars on application.
NOTE THE ADDRESS:
JOHNSON'S, LTD.,
44 Bedford Row, London W. C., Eng.

VEGETABLE SEEDS

SOW NOW.	Per ¼ lb.	Per lb.
Lettuce, Grand Rapids Forcing	$ .30	$1.00
May King	.40	1.25
Cucumber, Evergreen White Spine	.25	.75
Davis Perfect	.35	1.25
Radish, Vaughan's Cardinal Forcing	.40	1.50
Improved Scarlet Globe	.25	.70
20 Day Forcing	.20	.60
Scarlet Globe White Tip	.20	.60
Tomato, New Globe	.75	3 00
Comet pkt., $ .25		
Sunrise pkt., .25		
Cauliflower, Earliest of All pkt., $ .25;	oz.,	$2.50

Vaughan's Seed Store, CHICAGO. NEW YORK.

Vegetable Plants.

	Per 100	1000
Tomato, Mayflower, Lorillard, Earliana, Early Jewel, Early June Pink	$0 30	$2.00
Beets, Egyptian and Crosby's	.20	1.25
Celery, White Plume and Golden Self Blanching	.20	1.25
Pepper and Egg Plants, ready for transplanting	.40	2.00

R. VINCENT, Jr. & SONS CO.,
WHITE MARSH, MD.

FLORISTS have a splendid opportunity of raising Musnrooms by utilizing the waste space under the benches, and then utilizing the waste material of expended mushroom beds in growing flowers. Lambert's Pure Culture MUSHROOM SPAWN, the best spawn in the market, is sold by all leading seedsmen. A fresh sample brick, enough for a trial bed, together with illustrated book on "Mushroom Culture" will be mailed postpaid upon receipt of 40c in postage stamps. Address American Spawn Company, St. Paul, Minn.

AT a recent meeting of the Dutch Bulb Growers' Society (Holland) single early tulip Brilliant Star, orange scarlet with black base; Tulipa Fosteriana, a species with enormous scarlet flowers with yellow or black base, and Hippeastrum procenum, a rare mauve colored species, received first class certificates. Awards of merit were given Tulip La Reine des Reines and T. Primrose Queen, early singles. Some new seedlings of Freesia Tubergeni were awarded a gold medal.

Prices of Indoor Vegetables.

The prices of indoor vegetables at leading points April 11 were as follows: New York, cucumbers, No. 1, 50 cents to 75 cents per dozen; No. 2, $2 to $2.50 per box; cauliflowers, $8 to $10 per barrel; lettuce, 25 cents to $1 per dozen; mushrooms, 25 cents to 60 cents per pound; mint, 40 cents to 50 cents per dozen bunches; radishes, $1.50 to $2.50 per 100 bunches; rhubarb, 40 cents to 60 cents per 100 bunches; tomatoes, 15

Don't Forget!

TO WRITE US

For Prices on any thing in our Line.

St. Louis Seed Co.

"The Home of Pure and Sure Seeds."

784-786 N. 4th St. St. Louis, Mo.

CANNAS

Austria Allemania, Alsace Bouvier, Capt. Drugeon, C. Henderson, J. D Eisele, Florence Vaughan Kate Gray, Pres. Viger, Pennsylvania, Pres Meyer, Souv. de Ant. Crozy. $2.50 per 100; $20 00 per 1000. David Harum, $4 00 per 100; $35.00 per 1000. Egandale (3 in. pots only). $5.00 per 100 King Humbert, the king of all Cannas an extra large stock from strong 4-in. pots. $25.00 per 100.

Boston Ferns, Scottii, Elegantissima and Whitmanii, we have many thousand to offer from 2¼- to 4-in. at rock bottom prices. Can offer special bargains in R. C. **Beacon Carnations.** Write us for special prices.

W. W. COLES, Kokomo, Ind.

NEW PLANTS

GLADIOLUS Lemoinei and Nancianus.

V. LEMOINE & SON, Nancy, France.

Catalogues on application.

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,

Successors to L. K. Peacock, Inc.. ATCO, N. J

THE MISS KATE LOCK ASTER

At Rosedale Gardens, Clarinda, Iowa, advertisd as the best Aster on the market for florists' use, long stems, large flowers, seeds of high germinating power; colors, white, Enchantress pink and bright pink, also the three colors, mixed, each, per pkt. of 800 seeds, 50c. Cash with order.

J. A. MARLEY, 305 E. Garfield St. CLARINDA, IOWA.

ANTON C. ZVOLANEK,

WINTER

SWEET PEA

ORIGINATOR.

BOUND BROOK, NEW JERSEY.

Lily of the Valley

MANN'S EXCELSIOR

Are the finest in existence and their flowers bring the best prices in the London market.

For quotation please apply to

OTTO MANN, Leipzig, Saxony, Germany

cents to 25 cents per pound. Chicago, cucumbers, $1.15 to $1.35 per dozen; radishes, 50 cents to 60 cents per dozen bunches; mushrooms, 35 cents to 65 cents per pound. Cincinnati, cucumbers, $1.25 per dozen; mushrooms, 40 cents to 50 cents per pound. Boston, tomatoes, 30 cents to 40 cents per pound; cucumbers, $6.50 to $7 per box. Pittsburg, cucumbers, $8 to $8.50 per box.

NEW CANNAS 1908

Rosea Gigantea. This beautiful variety has extra large flowers which are borne in such abundance that the mass of color on each plant is amazing. Single petals are 2½ inches across; color, a deep rich rose, almost a coral carmine. Plants make a vigorous growth, producing unusually fine clumps of green foliage. Height, 4 feet. (A great favorite with visitors to our trial grounds.) Strong plants, **$2.00** each, prepaid; **$18.00** per doz., by express, not prepaid.

Gladio-Flora. Remarkable for the unusual shape of the flowers which look like large Gladiolus. Petals are not long, but short and rounded and so wide they overlap each other, thus giving a very attractive appearance to the flowers. Color is crimson changing to carmine rose with an uneven edge of gold to each petal. Height, 3½ feet. Price, strong plants, **$2.00** each, prepaid; **$18.00** per doz., by express, not prepaid.

Meteor. Meteor is a vigorous grower with healthy green foliage. It is highly valued because of its magnificent flowers, fully four inches across, and abundance of bloom. Color is a deep crimson, very rich; each plant usually throws up five to six trusses of buds which continue blooming luxuriantly all summer through. Price, plants of dormant roots, **75c** each, postpaid; **$6.00** per doz., by express, not prepaid.

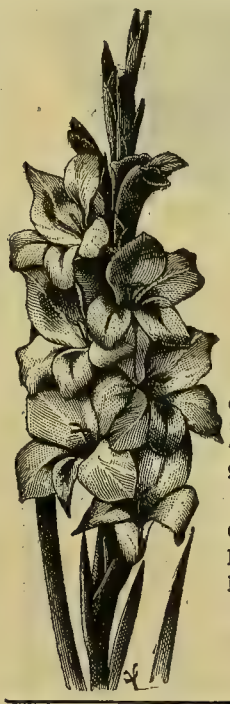
NEW CANNAS OF SPECIAL MERIT.

William Saunders. (1907) The flowers are large, of splendid form and are borne very freely in immense clusters. The color is a deep rich shining scarlet lightly dappled with crimson. Foliage is a rich bronze. Height, 3½ to 4 feet. We believe that Wm. Saunders is decidedly the most perfect Canna of this type that has been introduced. Those who tried Wm. Saunders in 1907 say it cannot be excelled. We offer plants only: **60c** each, postpaid; **$5.00** per doz., **$35.00** per 100, by express, not prepaid.

60 other varieties. Send for our list and prices.

The Conard & Jones Co.,

WEST GROVE, PENNSYLVANIA



Gladiolus

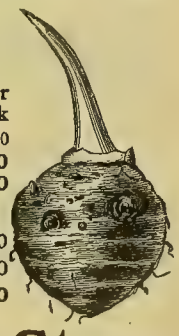
STRICTLY FIRST SIZE BULBS.

	Per 100	1000
Mrs. Francis King, best scarlet for florists' use	4.00	30.00
America, fine pink	7.50	60.00
Augusta, pure white, blue anthers	2.00	17.00
Brenchleyensis, intense scarlet	1.45	12.00
Ceres, pure white, spotted purplish rose	1.45	12.50
"1900," a very rich shade of red	2.50	
Shakespeare, pure white, blotched pink	4.25	38.00
Florist Mixture, made from named light and white varieties; comprises best there is	1.75	15.00

CALADIUMS.

Sound bulbs. Live center shoots. Ten per cent discount if shipped from our New York store.

	Per 100	Per 1000
7-9-inch circumference	$3 50	$32.00
9-12-inch "	6.00	55.00
12-inch "	14.00	
Cinnamon Vines, large bulbs	2.75	22.50
Lily of the Valley, clumps	2.75	20.00
Madeira Vines, large tubers	1.25	10.00



Vaughan's Seed Store,

CHICAGO. NEW YORK.

RELIABLE SEEDS.

SOW NOW

Primula Obconica Grandiflora

New Hybrids as:

Blood Red, Blue, Carmine, Pink, Purple, Violet, Pure White, Compacta, Gigantea, Fringed mixed Hybrids, each separate, Trade pkt, 50c. 6 Trade pkts. $2 50. My new price list will guide you through reliable seeds.

Ask for same.

O. V. ZANGEN, SEEDSMAN, Hoboken, New Jersey.

"COWPEAS," by H. T. Nielsen, is the title of a new bulletin just issued by the Department of Agriculture, 21 pages, illustrated.

GLADIOLI

Madeira Vine,

Hyacinthus Candicans,

Spotted Calla,

Oxals, summer blooming, Cinnamon Vine Roots, German Iris, Delphinium Formosum, Lilies, etc.

—Write for Price List.—

E. S. MILLER, Wading River, N. Y.

Mention the American Florist when writing

The Nursery Trade

American Association of Nurserymen.

J. W. Hill, Des Moines, Ia., President; C. M. Hobbs, Bridgeport, Ind., Vice-President; George C. Seager, Rochester, N. Y., Sec'y.

Thirty-third annual convention to be held at Milwaukee, Wis., June 10-12, 1908.

THE fine weather is likely to shorten the planting season.

CONSIDERABLE frost damage to fruit crops is reported from Green county and other districts in Missouri.

AT the Masschusetts Agricultural College, Amherst, the landscape gardening department is giving its annual exhibition of Corot pictures.

THE opening buds of the forsythias tell the tale of the season. There is no more pleasing early flowering shrub than a good form of the vigorous F. intermedia.

REPORTS from Washington, Oregon and other western points indicate great activity in the nursery business and preparations for an increased call next season.

MCHUTCHISON & Co., New York, have been appointed sole agents of the Royal Tottenham Nurseries, Deedemsvaart, Holland, in the United States and Canada.

AN occasional plant of some good hardy rambling rose in an evergreen hedge is a pretty feature. The plant is protected and runs all through the hedge flowering freely and brightening it in summer.

ROY D. UNDERWOOD, secretary of the Jewell Nursery Co., Lake City, Minn., was elected mayor of that city April 9. Mr. Underwood will have the distinction of being the youngest citizen ever elected to this position.

SUCH a fine hardy tree as the Ginkgo or maidenhair tree (Salisburia adiantifolia) should be much more freely planted. It is certainly one of the best conifers and its distinct habit makes it singularly attractive.

THE normal and seasonable weather has caused the fruit buds all through Illinois, and probably a good deal of the rest of the country, to develop in the most natural way, and the prospects now are for a grand crop of fruit of all kinds.

BATTLE CREEK, MICH.—The Postum Cereal Co. is considering the project of beautifying its grounds, and Chas. Greening of Monroe has been in conference with the firm and other large real estate holders here who are planning improvements.

THE Oklahoma Fruit Growers' Association closed a two days' meeting at Oklahoma City April 3, and elected the following officers for the next year: C. G. Jones, Oklahoma City, president; R. L. Peebley, Oklahoma City, vice-president; E. E. Blake, El Reno, secretary; A. L. Luke, Wynnewood, treasurer. The executive committee is composed of Frank Ross, Atoka; John Furrow, Guthrie, and C. C. Olsen, Perkins. The orchard and nursery inspection bill pending before the legislature was indorsed. Reports from the fruit growers in attendance show the crop is in the best possible condition.

THE shearing of Japan cypress is a barbarous practice where nice specimens are wanted. The beauty of these trees lies, in most cases, in the feathery effect of the leaves and the graceful natural outline, which is spoiled when they are butchered into stiff pyramids. The only reasonable excuse ever heard for the practice is that the color of the foliage is improved but this is more fanciful than real.

Geo. J. Kellogg, Lake Mills, Wis.

Geo. J. Kellogg, the retired nurseryman and founder of the firm of Geo. J. Kellogg & Sons of Janesville, Wis., has an interesting note on his career in the

George J. Kellogg.

Janesville Recorder. "Talking of the past," he says, "I may as well go back to March 20, 1828, when a little bawling brat came in with the equinox and he has been making some noise ever since." Among the many things he has done in his career he notes having spent two years in Wisconsin's pinery, driven five yoke of oxen across the plains to California in 1849, spent three years in the gold mines and came home by the Isthmus in 1852 right in the cholera time. In 1852 he made Janesville his home. He landed at Kenosha, or on the beach where Kenosha now is, Aug. 2nd, 1835; there being at the time only one whisky trading post for the Indians, kept by Reseque on the island.

He goes on to tell of his visit to Minneapolis last Thanksgiving when he stayed for the meeting of the State Horticultural Society and saw what, he said, "made a Wisconsin man feel good"—2,000 plates of apples on exhibition, many of the varieties being of Wisconsin origin. Wolf River, Northwestern Greening, Wealthy of Minn., Patten's Greening of Iowa and others he was interested in, and he gave some particulars respecting the annual meeting at Madison. He speaks highly of the value of the "Transactions" of this society and says every volume is worth a dollar to a fruit man. He instanced Pewaukee, Newell, Tallman, Minkler, Mann, Scott's Winter, Windsor, N. W. Greening, Ben Davis, Gano and Walbridge as all suitable to conditions in Wisconsin and advised that all buy their trees from home nurseries where they have become acclimated. We were much interested in this note and tender this veteran grower our best wishes.

"Landscape Gardening for Amateurs."

"Landscape Gardening for Amateurs," is the title of a book of over 60 pages, finely illustrated, published by Wagner Park Conservatories, Sidney, O. Besides a mass of useful and practical information to planters there are many plans for laying out artistically home, school, sanitarium, factory and small park grounds, and the book is suitably dedicated to "those who love beautiful grounds." The author, B. P. Wagner, points out how the fundamental principles of this work apply just as much to the small and modest home grounds as to those of greater pretensions and in describing natural gardening he warns the planter against straight lines and points out, both in the text and by illustrations, the advantages of grouping over dot planting.

Back yards, treated as Mr. Wagner advises, cease to be ugly and objectionable and become pleasant places for the family to withdraw to in summer as well as beautiful. In this connection he has lists of tall, medium and dwarf shrubs and hardy plants, also vines which must be of great assistance to the amateur and beginner. One of the most encouraging signs of the times is the interest that large employers of labor are taking in making their factories externally attractive and there are many good suggestions and illustrations along this line. Some of the latter pictures show grounds that would do credit to a fine private or park estate and the suggestive notes and pictures of park entrances and landscapes could not fail to be of interest to park superintendents. Beautiful groups and individual specimens of plants and trees are also shown with accompanying reading matter. The book in short is greatly above the average in this line and we can conscientiously advise all interested in this class of work to obtain a copy and keep it for reference.

The Nation's Natural Resources.

President Roosevelt, in inviting the governors of all the states and territories to meet with him at the White House May 13-15 to discuss the question of the conservation of the nation's natural resources among other things said:

Recently I declared there is no other question now before the nation of equal gravity with the question of the conservation of our natural resources, and I added that it is the plain duty of us, who for the moment are responsible, to take inventory of the natural resources which have been handed down to us, to forecast the needs of the future and so handle the great sources of our prosperity as not to destroy in advance all hope of prosperity to our descendants. It is evident that the abundant natural resources on which the welfare of this nation rests are becoming depleted and in not a few cases are already exhausted. This is true of all portions of the United States, and it is especially true of the longer settled communities of the east.

Facts which I cannot gainsay, force me to believe that the conservation of our natural resources is the most weighty question now before the people of the United States. If this is so, the proposed conference, which is the first of its kind, will be among the most important gathering in our history in its effect upon the welfare of all our people.

BOXWOOD.

BOXWOOD.

The plants imported this season are the handsomest ever brought to this country. Prospective purchasers will do well to visit our nurseries and inspect the stock before buying.

Standard Boxwood. 3 ft. diameter, fine specimens, $7.50 each. 2½-ft. diameter, fine specimens, $4.50 each; 2-ft. diameter, fine specimens, $3 each; 18 to 20-in. diameter, fine specimens, $2; 15 to 18-in. diameter, fine specimens, $1.50. Buxus, round shape (perfectly round), 2-ft., $2.50; for hedging, 8-in., $25, $30 and $35 per 1,000; for hedging, 10-in., variegated, $30 per 1,000.

Globe Boxwood. Fine specimens from $2, $3, $4, $5, $10 to $15 each.

Pyramid Boxwood. 5 ft., $4 each; 4 ft., $3.50 each; 3½ ft., $2.50 each; 3 ft., $2 each; 2½ ft., $1.50 each; 2 ft., $1 each; 18 to 24 in., 75 cts. each; 15 to 18 in., 50 cts. each. Pyramids, 5 to 6 ft. high, nicely shaped, per pair, $10 to $15. Special prices on larger sizes.

Bush Boxwood. These are all handsome bushy specimens, adapted for hedges.

	Each	doz.
10 to 12 in	$0.25	$2.50
12 to 16 in	.35	3.50
16 to 20 in	.50	5.00
20 to 24 in	.75	8.50
24 to 28 in	1.25	12.00
28 to 36 in	2.50	25.00
36 to 42 in	3.50	36.00
42 to 48 in	4.50	48.00

Clipped Boxwood. We have a fine collection in a variety of forms. Shall be pleased to have prospective buyers call and inspect the stock. Prices on application.

BAY TREES.

Our collection of Bay Trees consists of all sizes, in standard, pyramid, column and other forms. We have upwards of 2,000 trees, from which to select any stock you may desire. Special prices given. Write for prices.

An immense stock of hardy herbaceous plants, ornamental evergreens, shade trees, fruit trees, etc.

BOBBINK & ATKINS, Rutherford, N. J.

Alpine and Rock Plants

Gentianas—Acaulis, verna, Edelweiss, 10 other plants, $3.00 including postage; 600 varieties. Send for catalogue.

—Cash with order.—

ENGLISH HOME OF ALPINE PLANTS,
South Pool, Kingsbridge, Devon, England.

Moving Historic Trees at Washington.

Despite protests the historic elms and Crittenden peace oak are being removed in the government botanic garden at Washington, D. C., though according to illustrations and an interesting article in the Washington Star every care is being taken to ensure, as far as possible, their safety. But there is grave risk in moving trees of this size and age and Superintendent Smith is probably a very disappointed man in that his suggestions were not carried out.

"No explanation has been offered," Mr. Smith said, "as to why the statue of Gen. Grant should not be placed in the most honored place at the capital—the ellipse opposite the White House. Not even the secretary of state has offered a plausible excuse for not giving the Grant statue the best position possible. Gen. Grant was never connected with the legislative branch of the government, then why place his statue so near the Capitol, where it will be almost obscured from view by the shadow of its great dome? All future visitors to Washington will at once see the absurdity of placing Grant's statue in an obscure hole at the foot of Capitol hill, and I make the prediction that in time to come the memorial will be taken from the site in the botanic garden and erected in some more suitable locality. The good sense of the American people will bring this about."

The Oriental Plane.

"The oriental plane is found all over Asia Minor," says Consul Harris of Smyrna, "but seldom in groves. They usually stand alone along the roadways and serve the traveler as halfway stations, where he finds some protection from the summer sun and a fountain. These trees also add considerably to the scenery of the country. They grow to be several hundred years old, and often attain such size that shepherds have been known to cut huts in the trunks of the standing trees; and their vitality is so great that they continue to live for years thereafter. The plane is also a favorite shade tree. Smyrna has none, but Constantinople and the little valleys leading away from the Bosphorus, as well as most cities and villages in the interior, have large numbers of them. The Turks are fond of having them in front of their cafes and in the yards of their mosques."

BOX TREES.

We have just received a car load of beautiful, shapely Box Trees, the best we ever had, in all sizes and shapes.

PYRAMIDAL SHAPED—Fine, Shapely, Compact Trees.

	Base	Each		Base	Each
2 ft. high,	18 in.	$1.25	4 ft. high,	2 ft.	$3.00
2½ ft. high,	18 in.	1.50	5 ft. high,	2½ ft.	5.50
3 ft. high,	20 in.	2.00	6 ft. high,	3 ft.	7.00
3½ ft. high,	22 in.	2.50			

STANDARD OR TREE SHAPED BOX.
Full, compact, well shaped heads.

	Each.
24 in., clear stem, crown 18 to 20 in.	$2.00
24 in., clear stem, crown 24 in.	3.00
18 in., clear stem, crown 34 in.	3.50
24 in., clear stem, crown 34 in.	4.50

GLOBE SHAPED BOX TREES.

	Each.
12 in. diameter Globes, 3-4 in. clear stem	$1.50
18 in. diameter Globes, 3-4 in. clear stem	2.25

BABY BOX TREES, 12-18 in. Stem.

	Each.
Crown 10 in. diameter	$ .75
Crown 12 in. diameter	1.00

Prices do not include tubs. Roots are done up in burlap. These prices good only until April 20th. Order at once.

Vaughan's Seed Store, 84-86 Randolph St. CHICAGO. 14 Barclay St., NEW YORK.
Greenhouses and Nurseries, Western Springs, Ill.

HARDY FRUIT AND ORNAMENTAL TREES,
SHRUBS, ROSES, VINES AND PERENNIAL PLANTS.

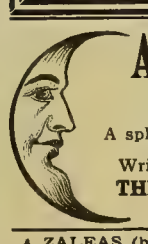
MAY'S SEEDS FOR THE NORTHWEST

FOR FLORISTS' TRADE. Write for Price List.

We make a specialty of furnishing nursery stock to Florists for planting or supplying their trade, also seeds put up in packets or in bulk.

"MOST NORTHERN NURSERIES IN AMERICA"

L. L. MAY & CO., ST. PAUL, MINN.



ARBOR VITÆ

(Thuya Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.

THE WM. H. MOON CO.,
Morrisville, Pa.

AZALEAS (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Coniters, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Jacs Smits, Ltd. NAARDEN, (Holland.)
Price list free on demand.

NEW

Surplus Shipping List

NOW OUT.

Send for one. Low prices. Fine stock.

PETERSON NURSERY,
Lincoln and Peterson Avenues, CHICAGO.

Berberis Thunbergii

18 to 24-in., 12 to 18-in., all well branched and good roots. **10,000 Vinca Minor,** (Grave Myrtle). **5,000 Red Oak,** 3 to 5 ft. **Norway Spruce,** 12 to 18-in. Full line of stock.

OAK HILL NURSERIES, Roslindale, Mass

Dreer's Hardy Climbers.

	Per doz.	Per 100
Clematis Hybrids, such as Jackmani, Jackmani Superba, Henryi, Duchess of Edinburgh, Fairy Queen, Sieboldi, Gipsy Queen, Lilacina, Floribunda, Mme. Baron Villard, Mme. Van Houtte, Miss Bateman, Standishi, The Gem, The President and Ville de Lyon, all in strong two-year-old plants	$3.00	$20.00
Clematis Montana Grandiflora, new early flowering variety, very desirable	3c each	3.00
Clematis Montana Rubens, new, identical with above, except that in color it is of a soft rosy red, distinct, novel and a great acquisition	75c each	8.00
Akebia Quinata, strong two-year-old plants	1.25	8.00
Ampelopsis Veitchii, strong two-year-old	1.50	10.00
Ampelopsis Virginica and Engelmanii, strong two-year-old	1.25	8.00
Aristolochia Sipho, extra heavy	4.00	30.00
Bignonia Grandiflora, strong roots	3.00	20.00
Honeysuckles Halleana, Evergreen and Variegated, strong 4-inch pot-grown plants	1.00	7.00
Honeysuckle Heckrothi, strong two-year-old	1.75	12.00
Ipomea Pandurata, dormant roots	.50	4.00
Lathyrus Latifolius Albus	1.00	7.00
" " **Splendens**	1.00	7.00
Kudzu Vine, strong one-year-old	1.00	7.00
Schizophragma Hydrangeoides, Climbing Hydrangea, strong pot-grown plants	75c each	7.50
Wistaria Sinensis, heavy two-year-old	3.50	25.00
" " **Alba,** heavy two-year-old	4.00	30.00

HENRY A. DREER, —714— Chestnut St., **Philadelphia, Pa.**

Grouping Alpine Plants.

The practice of planting alpine plants on the mixed system means monotony and indifferent effect, says G. A. in Journal of Horticulture, and it follows that nothing is gained by having an extensive collection, for there is a sameness throughout, while the stronger or freer growing species take possession of considerable areas. In the alpine regions and on the mountain rocks, there is never seen a mixture of species as in the general mixture of them in the garden rockery. In nature, one plant charms us by its massiveness, or the group may be inlaid by one or two other plants, but, as a rule, each bank or ledge and crevice of rock has a particular character in result of the individuality of the one or more allied plants that grow on it, and give the peculiar and special adornment.

The grouping of the plants applies more particularly when duplicates of a certain species or variety are employed, it being best to make one or more groups of them rather than scatter them one by one all over the rockwork. This particularly applies to the dwarfer species, such as the drabas and the dwarf gentianas, also Ameria alpina, Arenaria Balearica, etc. Even the aubrietias, though spreading far and wide, are seen to best advantage in masses. The grouping is also desirable for the slow growing and dwarfer kinds, as they are not thus liable to be overgrown and exterminated by rapid growing neighbors. Besides, good preparation of soil, drainage, and position is more likely to be secured for a group than is the case in planting in several places, while weeds and encroaching plants are readily seen and may be speedily removed. The groups, of course, should bear some relation to the proportions of rockwork, even though there may only be room for a few species.

In this grouping and massing there is need of appropriateness to position avoiding formality, and acting on a free and natural principle. This limits alike the coarser varieties to a clearly defined space. It also gives advantage to lesser species on equally legitimate limits. The natural grouping or massing system does not admit of the planting of clematises, ivies or periwinkles, as sometimes done to hide the apparent bareness of the ground, for this means the over-running of the rock or alpine plants, and the very idea of a rock garden is speedily obliterated. Bare ground should be covered by true alpines, which signifies some rock visible, and the carpeting implies a bloom that may be fairly seen, and its character impressed upon all who see it; whereas a little flower hidden among other plants escapes notice. Arrangement in natural groups thus secures distinct and definite aspects of vegetation, as each portion of the rockery has a character of its own. The observer sees new features in passing from one point to another. Indeed, the glory of rockwork is to secure effects of color and brilliancy. The hard lines of the parterre are entirely absent, the groups of alpine flowers fading away in nature's indefinite and charming way. If climbers and trailers are introduced, as is desirable in some cases as a background, or for breaking the view at particular points, positions should be selected where they may luxuriate without interfering with the other subjects, either by their top or root growths.

Stock YOU NEED NOW.

BEGONIAS.

Marjorie Daw, Thurstoni, Metallica, Rubra and Argentea Guttata.....$4.00 per 100

Dahlias. (Field-grown roots.) Wm. Agnew, Countess of Lonsdale, Nymphæa, Mrs. Wellesley, Admiral Dewey, A. D. Livoni and Fern Leaf Beauty.....$5.00 per 100
Grand Duke Alexis and Kriemhilde..... 7.00 per 100

Boston Ferns. Plants well established, in 2½-inch pots, $4.00 per 100; $30.00 per 1000.

Bougainvillea Glabra Sanderiana.

2½-inch.....$4.00 per 100

Kentia Belmoreana.

2½-inch pots.....$ 9.00 per 100
2½-inch pots.... 80.00 per 1000
3 inch pots..... 14.00 per 100
4 inch pots..... 30.00 per 100
5-inch pots..... 50.00 per 100
} Clean, Cool-grown, Extra Value.

ROSES.

For out door planting or growing in pots, strong 2½-in. pot plants—Clothilde Soupert, Hermosa, Baby Rambler, Maman Cochet, White Maman Cochet, $3.00 per 100; $25.00 per 1000.

Caladium Esculentum 5 to 7 inch $2.00, 7 to 9 inch $3.00, 9 to 11 inch $6.00.

Violets. Princess of Wales, thrifty plants from 2½-in. pots.....$3 00 per 100
Hardy English (double purple)..... 3 00 per 100

Pandanus Utilis. Fine young stock for immediate sale or growing on.
2½-inch.....$ 6 00 per 100
3-inch.....$8 00 per 100 4-inch..... 12.00 per 100

Latania Borbonica. 3-inch pots, $6.50 per 100; 6-inch pots, 5 to 6 leaves, 15 to 18 inches high.....60c each

Chrysanthemums. Early flowering varieties, ready now, from 2-in. pots, William Simpson, Glory of Pacific, Polly Rose Monrovia, Omega, $2.50 per 100, Rosiere, $3.00 per 100.

GERANIUMS.

Standard Geraniums, our choice of varieties, in pink, red and white.....$2,00 per 100

CANNAS.

Strong 2 and 3 eye divisions. Allemania, Austria, Chas. Henderson, Fair Hope, Progression, Shenandoah, $2.00 per 100; $17.00 per 1000
Beaute Poitevine, Crimson Bedder, Egandale, Florence Vaughan, Papa Nardy..... .....$3.00 per 100; $25.00 per 1000
King Humbert.....$10.00 per 100

THE STORRS & HARRISON CO., Painesville, Ohio

Ligustrum Ibota

SEEDLINGS.

Twice transplanted, 18-24 inches high bushy, fine hedge plant. Per 100, $5.00; per 1000, $40.00.

Ampelopsis Engelmani,

3-year old, strong.
Per dozen, $2.00; per 100, $15.00.

Vaughan's Seed Store,
CHICAGO.

Denver.

GOOD EASTER PROSPECTS.

Business for Easter looks very encouraging, unless we get some very bad weather between now and then. We have had very nice weather for the past two months, and the apple and cherry trees are in full bloom. Easter stock looks fine. Hydrangeas are especially good, and everything in the way of pot plants appears to be plentiful. The carnation market during the past month has been very poor and these flowers have certainly been a glut on the market. Roses are breaking about even.

The Daniels & Fisher Co. has been awarded the contract for the decoration of the Auditorium for the democratic convention July 7, in competition with both eastern and western firms.

PLATTE.

HUTCHINSON, MINN.—The Litchfield greenhouse, owned by Allen Wheeler, was almost totally destroyed by fire March 25. What plants were not killed by fire were frozen.

Pot Lilies for Easter

2 to 3 buds, 12c each; 4 to 8 buds, 10c each; violet pans, 20c each. Send for price list for Easter plants and cut flowers.

Crabb & Hunter Floral Co. GRAND RAPIDS, MICH.

Easter Lilies.

Yes! We've Got 'Em!

Fine Stock. **Send Orders in Early.**

Select.....$15.00 per 100
Medium..... 12.50 per 100

Write for prices on large quantities.

MIAMI FLORAL CO.
DAYTON, OHIO.

Berkshire Petunia

A fine, free flowering, fringed pink double Petunia. Flowers measuring 3 inches across; a most valuable acquisition, with no "fancy" price attached.

ROOTED CUTTINGS,
$2.50 per 100; $20.00 per 1000: 500 at 1000 rates.

Stock grown at and sent from Pittsfield, Mass.

S. S. SKIDELSKY
1731 N. 18th St., Philadelphia, Pa.

Alternantheras, red, yellow and Brilliantissima from soil Sept. struck...70c per 100: $6.00 per 1000: $45.00 per 10,000. Equal to 2-in., to clean them up.

Salvias Bonfire, St. Louis...$1.00 per 100. $8.00 per 1000

Coleus a grand collection (named) 70c per 100: $6.00 per 1000.

Heliotrope, 10 best varieties... $1.00 per 100; $8.00 per 1000.

Petunias, Dreer's and Henderson's $1.25 per 100; $10 per 1000.

Vincas Variegated $1.25 per 100; $10 per 1000

Express Prepaid on all Rooted Cuttings and satisfaction guaranteed.

C. HUMFELD, Clay Center, Kas.

OECHSLIN'S FERNS.

BOSTON FERNS.

	Nice bushy plants.	Per doz.	Per 100
5-in.	"	$ 3 00	$25 00
6-in.	"	6 00	50 00
7-in.	"	9 00	
8-in.	"	12 00	

Nephrolepis Whitmani
9-in. pots, $2.00 each.

FERNS FOR DISHES.

Six leading varieties.
Strong bushy plants

	Per 100	Per 1000
2-inch pots	$ 3 00	$ 25 00
	Per doz.	Per 100
3-inch pots	$ 0 75	$ 6 00

Cyrtomium Falcatum

Holly Fern. Strong plants.

	Per doz.	Per 100
4½-in. pots	$ 2 00	$15 00
5-in. "	3 00	25 00
6-in "	5 00	

Dracena Indivisa
Fine plants for Baskets and Vases.
5-in. pot plants, per doz. $3.00; per 100 $20.00

Eurya Latifolia
Fine Variegated Plant for Decorating.
24 to 30 inches high, $1.25 each.

Fern Hanging Baskets.

Anna Foster
Well grown and drooping. $2.00 each.

Pteris Wimsetti and Ouvrardi
Strong and bushy, 4½-in. pots, $2.00 per doz.; $15.00 per 100.

Asparagus Plumosus

Strong bushy plants, ready to shift.

	Per doz.	Per 100
4½-in. pots	$ 1 50	$ 12 00
5 in. " 3 in a pot	3 00	20 00
6-in. " 3 "	6 00	

Asparagus Sprengeri

Strong plants, fine for Hanging Baskets.
4-in. pots, $1.50 per doz.; $12 00 per 100.
6-in. pots, 3.00 per doz.; 25.00 per 100.

Aspargus Sprengeri Baskets
12 and 14-in. $1.50 and $2.00 each.

Cocos Weddelliana
3-in. pots.....per doz. $2 50; per 100 $20 00
5-in. " ...4 in a pot, 75c each; $9.00 per doz.

Pandanus Veitchii
Strong and well colored.
5 in. pots.....$1.00 each.
5½-in. pots..... 1.25 each
6-in. pots..... 1.50 each

Primula Obconica Grandiflora Rosea

STRONG PLANTS.

2½-in. pots.....50c per doz.; $3 00 per 100
3½-in. pots..... 75c per doz.; 6 00 per 100
4-in. pots, strong plants in bloom.....$1 50 per doz.; 12.00 per 100

TERMS STRICTLY CASH WITH ORDERS.

FRANK OECHSLIN, 2572 West Adams Street, **Chicago, Ill.**

Formerly GARFIELD PARK FLOWER CO.

Grafted Roses

FOR FORCING.

Bride, Kaiserin, Richmond,
Bridesmaid, Killarney, Wellesley,

$12.00 per 100; $100.00 per 1000.

JACKSON & PERKINS COMPANY

WHOLESALE FLORISTS AND NURSERYMEN,

Newark, Wayne County, New York.

TAUSENDSCHON

or in English, **THOUSAND BEAUTIES,** is the sensational new Climbing Rose of the year. Every florist should have it. It is not excelled for forcing purposes and for general planting by any Climbing Rose now known, **not even barring Crimson Rambler.** This is the coming forcing Rose. Get your stock early. Illustrated in ten colors and gold in our Catalogue for 1908 the **Leading Rose Catalogue of America.** Every rose worth having is described in it. Copy free for the asking.

Strong plants of Tausendschon from 3-inch pots, 10 for $1.50; $12.00 per 100; $100.00 per 1000.

Dahlias, all the leading varieties, $45.00 to $50.00 per 1000. Send for list. | **Cannas,** all the leading varieties $10.00 per 1000 and upwards. Ask for list.

The Dingee & Conard Co., WEST GROVE, PA.

Kaiserin.

	Per 100	1000
Strong young plants in 2 1-2-inch pots, just right for summer flowers or spring trade. Price:	$4.50	$40.00
MAID, BRIDE, 2 1-2 inch pots	3 00	25.00
LA DETROIT, bench plants	6.00	50.00

Carnations—Rooted Cuttings.

	Per 100	Per 1000		Per 100	Per 1000
Enchantress	2.50	20.00	White Perfection	$4.00	$35.00
Lady Bountiful	2 50	20.00	Queen	2.00	15.00

BASSETT & WASHBURN, —76— Wabash Ave., Chicago

AM. BEAUTIES. 2 x 3 inch Rose Pots.

Fine plants, ready for a shift, $6.00 per 100; $50.00 per 1000.

JOSEPH HEACOCK CO., Wyncote, Pa.

Fredericton, N. B.

The hopes for an early spring were dashed recently by a return to wintry conditions, black, frosty nights and westerly gales, besides an inch or two of snow. These thawing and freezing spells are anything but beneficial to vegetation. Prospects for Easter business are bright. Carnations, roses, lilies, callas and lily of the valley are all in excellent order, while of plants, azaleas, pelargoniums, cyclamens, cinerarias, primulas and bulbous stock are abundant. Our leading supply house reports the Easter lilies scarce; that it had to throw out 60 per cent. With us the bulbs have been particularly good, and we have only discarded about five or six per cent. We are egotistical enough to think there is a good deal in the way they are handled.

J. B. & SON.

ROBERT CRAIG CO.

WELL GROWN YOUNG **ROSES**

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

ROSES

On Own Roots, Summer Grown, Winter Rested, Strong and Healthy.

Hybrid Perpetuals.

	2½-in. 100	2½-in. 1000	4-in. 100
Anna de Diesbach	$3.00	$30.00	$7.00
Ball of Snow	3.00	30.00	
Coquette des Alpes	3.00	30.00	8.00
Dinsmore			8.00
Francois Levet	3.50	30.00	8.00
Frau Karl Druschki	7.00	60.00	15.00
General Jacqueminot			8.00
Giant of Battles	3.50	30.00	8.00
Gloire Lyonnaise	3.50	30.00	8.00
Hugh Dickson	8.00	75.00	15.00
John Hopper			8.00
La Reine	3.50	30.00	8.00
Madame Masson			7.00
Madame Plantier	3.00	30.00	7.00
Magna Charta			7.00
Margaret Dickson	4.00	40.00	8.00
Mrs. John Laing	3.50	35.00	7.00
Paul Neyron	3.50	30.00	7.00
Prince Camille de Rohan			8.00
Roger Lambelin	3.50	30.00	8.00
Ulrich Brunner	5.00	40.00	
Vick's Caprice	3.50	30.00	8.00

Polyanthas.

Anny Mueller (Pink Baby Rambler)	$5.00	$45.00	
Clothilde Soupert	3.00	25.00	$8.00
Mme. Norbert Levavasseur, (Crimson Baby Rambler)	3.00	25.00	7.00
Hermosa (Bourbon)	3.00	27.50	8.00
Souv. de la Malmaison (Bourbon)	3.00	27.50	8.00
Conrad F. Meyer (Hybrid Rugosa)	4.00	40.00	
Gruss an Teplitz (Hybrid Bengal)	3.00	27.50	
Moss, red, pink and white	4.00	40.00	10.00

Hardy Climbers and Ramblers.

Baltimore Belle	$3.00	$25.00	$8.00
Climbing Clo. Soupert	3.00	25.00	
Crimson Rambler	3.00	25.00	8.00
Debutante	3.00	25.00	8.00
Dorothy Perkins	3.00	25.00	8.00
Hiawatha	3.00	27.50	8.00
Lady Gay	3.00	27.50	
Philadelphia Rambler	3.00	25.00	
Pink Rambler (Euphrosyne)	3.00	25.00	8.00
Prairie Queen	3.00	25.00	7.00
South Orange Perfection	3.00	25.00	8.00
Sweetheart	3.00	25.00	8.00
Tennessee Belle	2.50	25.00	7.00
Universal Favorite	3.00	25.00	8.00
Yellow Rambler (Aglaia)	3.00	25.00	
White Rambler (Thalia)	3.00	25.00	8.00
Wichuraiana (Memorial)	3.00	25.00	

Hybrid Teas.

Bessie Brown	3.00	27.50	8.00
Etoile de France	3.50	35.00	10.00
Helen Gould (Balduin)	3.00	27.50	
Kaiserin Augusta Victoria	3.00	30.00	
KAISERIN GOLDIFOLIA	20.00	175.00	50.00
La Detroit	3.00	27.50	
La France (Pink)	3.00	27.50	
Mme. Abel Chatenay	3.00	25.00	
Mlle. Helene Gambier	3.00	27.50	8.00
Rosalind Orr English	3.50	30.00	8.00
Souv. de Pres. Carnot	3.50	30.00	8.00
Striped La France	3.00	27.50	8.00
Wellesley	3.50	30.00	8.00
White La France	3.00	27.50	8.00

Teas.

Bougere	$3.00	$25.00	$8.00
Duchesse de Brabant	3.00	25.00	
Etoile de Lyon	3.00	27.50	
Mlle. Francisca Kruger	3.00	25.00	8.00
Maman Cochet (Pink)	3.00	27.50	8.00
Marie Guillot	3.00	25.00	8.00
Marie Louise	3.00	25.00	8.00
Papa Gontier	3.00	27.50	8.00
Sunrise	4.00	35.00	8.00
Sunset	4.00	35.00	9.00
White Bougere	3.00	27.50	8.00
White Maman Cochet	3.00	27.50	8.00

Climbing Teas and Noisettes.

Climbing Devoniensis	$3.00	$25.00	
Climbing Kaiserin	3.00	27.50	
Empress of China	3.00	25.00	$8.00
Marechal Niel	3.50	30.00	12.50
Mary Washington	3.00	25.00	8.00

Vinca Variegata.

R. C., 90c per 100; $7.50 per 1000; 2½-in. $2.25 per 100; $20.00 per 1000. All extra fine.

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO

Dormant Roses

2-year old Budded Roses, per doz., $2.00; per 100, $15.00.
American Beauty Kaiserin — Paul Neyron
La France — Soleil d'Or — Gruss an Teplitz
Frau K. Druschki and Hermosa.

The following kinds, 2-year old Budded, per doz., $1.50; per 100, $11.00:

Anna de Diesbach — Fisher Holmes — Magna Charta
Ball of Snow — Gen. Jack — M. P. Wilder
Capt. Christy — Mad. C. Testout — Mrs. J. Laing

	Per 100.
Crimson Rambler, 2-yr., strong imported stock	$12.00
Dorothy Perkins, 2-yr., home grown for Easter forcing	12.00
Philadelphia Rambler, 2-yr., home grown	12.00
White Baby Rambler, 2 1-2 in	8.00
Red Kaiserin, 2-yr. dormant	20.00

CARNATIONS—Rooted Cuttings.

	Per 100	Per 1000
Afterglow, 2-in. pots	$12.00	$100.00
Andrew Carnegie, 2-in. pots	12.00	100.00
Defiance	12.00	100.00
Sarah Hill, 2-in. pots	12.00	100.00
Winona, from sand	12.00	100.00
White Enchantress	6.00	55.00
Red Chief	5.00	40.00
Red Riding Hood, from soil	5.00	40.00
Victory	3.00	25.00

	Per 100	Per 1000
Robt. Craig, from soil	$3.00	$25.00
Pink Patten, from soil	2.50	20.00
Mrs. T. W. Lawson	2.00	15.00
Winsor, 2-in. pots	6.00	45.00
Rose Pink Enchantress, from soil	4.00	30.00
Enchantress, from soil or sand	3.00	25.00
Mrs. Patten, from soil	2.50	20.00
Prosperity	2.50	20.00

VAUGHAN'S SEED STORE, 84-86 Randolph Street, CHICAGO
14 Barclay Street, NEW YORK.

Greenhouses and Nurseries: Western Springs, Ill.

Strictly First-Class PLANTS

ON OWN ROOTS
2½-pots to line out.

$2.50 per 100 $25.00 per 1000
Baby Rambler
Clothilde Soupert
Dorothy Perkins
Mme. A. Chatenay
Crimson Rambler

$2.75 per 100 $27.50 per 1000
Hermosa
Maman Cochet
Malmaison
Etoile de Lyon
Helen Gould
Lady Gay
M. Neil
Notting
Meteor
White Maman

ROSE PLANTS

$3.00 per 100 $30.00 per 1000
Black Prince
Mme. Masson
Richmond
Kaiserin
Paul Neyron

$3.50 per 100 $35.00 per 1000
Etoile de France
Gen. McArthur
Mme. J. Guillemot
Mrs. J. Laing

Helen Good **$5.00 per 100**

J. B. Clark **$8.00 per 100**

C. M. NIUFFER, Springfield, O.

Easter Lilies in Pots
OR CUT BLOOMS.

ROSES

Mrs. Potter Palmer 2½-in., $15.00 per 100; $125.00 per 1000; 2000 or over $100.00 per 1000. R. C. "Palmer" $8.00 per 100

Cardinal 2½-in., $6.00 per 100; $55.00 per 1000;

American Beauty R. C. $30.00 per 1000; 2- and 2½-in. $6.00 per 100, $55.00 per 1000.
Maids, Brides, Richmond, Sunrise, Kaiserin, Uncle John, 2½-in. $4.50 per 100; $40.00 per 1000.
Benched Beauty Plants, $55.00 per 1000.

CARNATIONS

R. C. Winsor, White Enchantress, Beacon, $5.00 per 100; $45.00 per 1000 Rose Pink Enchantress and Enchantress, $2.50 per 100.

Aristocrat, 2½-in. $6.00 per 100. Maybelle, Victory, Enchantress, White Lawson and Variegated Lawson 2- and 2½-in. $3.00 per 100

CHRYSANTHEMUMS Special 10% discount after April 4th. Ask for price list. We grow the best commercial varieties only. R. C. and 2½-in. now ready.

POEHLMANN BROS. CO., Morton Grove, Ill.

Worcester, Mass.

Lilies are the center of attraction just now and indications point to a plentiful supply. Though not as tall as in former years, they are carrying a large number of flowers to the stalk and these are large. The red stemmed giganteum seems to be the best type. Rambler roses, azaleas, lilacs, rhododendrons, acacias and bulb stock will be very plentiful.

The April exhibition of the Horticultural Society brought out a fine display of flowers and spring flowering plants. H. F. A. Lange and E. W. Breed took the bulk of the premiums, Lange winning first in every class. The awards were:

Cut flowers.—H. F. A. Lange, first; E. W. Breed, second; A. W. Hixon, third.

Basket.—H. F. A. Lange, first; Mrs. A. E. Underwood, second.

Narcissus.—H. F. A. Lange, first; Mrs. Percy G. Forbes, third.

Hyacinths.—H. F. A. Lange, first; E. W. Breed, second.

Tulips.—H. F. A. Lange, first; E. W. Breed, second.

R.

ROSE PLANTS 2½-inch Pots.

	Per 100	Per 1000
Bride	$3.00	$25.00
Bridesmaid	3.00	25.00
Uncle John	3.00	25.00
Ivory	3.00	25.00
Chatenay	$3.00	$25.00
Sunrise	4.00	35.00
Perle	4.00	35.00

CARNATIONS Well Rooted Cuttings. Ready for shipment.

PINK.	Per 100	Per 1000
Lawson	$1.50	$12.50
Enchantress	2.00	15.00
WHITE.		
White Lawson	$2.00	$15.00
RED.		
Robt. Craig	2.50	20.00

American Beauty, bench plants, now ready **$10** per 100; **$75** per 1000.
Perle.....**$2** per 100; **$17.50** per 1000.

PETER REINBERG, 51 Wabash Ave., CHICAGO

MIDDLEBURY, VT.—Page F. Potter is making arrangements to build a greenhouse in the late spring.

NORTH BEVERLY, MASS.—Chas. Hurlbert has gone into business with his brother-in-law, Alexander Mitchell, at his greenhouses on Cabot street.

SALEM, MASS.—Carl Meier is going to make considerable additions and alterations to his place on South Webster avenue.

CHRYSANTHEMUMS

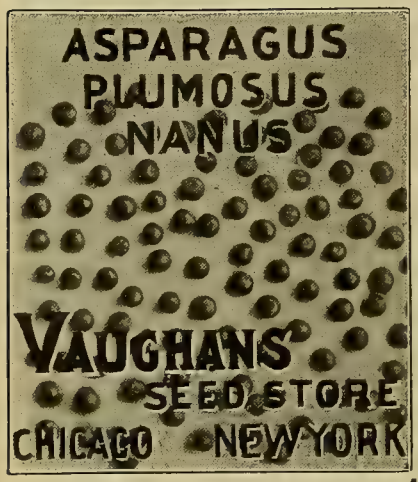
For Every Purpose.

For Prices and Varieties See Last Issue.

Elmer D. Smith & Co.

Successors to Nathan Smith & Son.

ADRIAN, MICH.



We handle this Asparagus both in seeds and plants of all sizes, in very large quantities and make very close prices on larger amounts on application. Our seed is pure, fresh, of best germinating quality and extraordinary vitality. **Northern Greenhouse-Grown Seed.** Per 100 seeds, **60c**; 250 seeds **$1.25**; 1000 seeds, **$4.00**; 5000 seeds, **$19.50**; 10,000 seeds, **$37.50**. Price for larger lots on application.

Asparagus Plumosus Nanus Seed

$2.50 per 1000, Cash.

NEW CROP Highest Germination.

DRAKE POINT GREENHOUSES

YALAHA, FLORIDA.

CHRYSANTHEMUMS.

Monrovia, October Sunshine, F. A. Cobbold, Mrs. T. W. Pockett, Col. Appleton, Nellie Pockett, Cheltoni, Lady Hopetoun, White Coombes, Ben Wells and others now ready at $3.00 per 100, $25.00 per 1000; 2¼-in. pots.

If your stock is run down try some of mine and see the difference next fall. Lots of the new singles now ready.

You got my 'mum list, of course?

CHARLES H. TOTTY, Madison, N. J.

Whitmani Ferns....

Good strong plants ready for a shift at bargain prices.

	Per 100	Per 1000
2 -inch at	$3.50	$30.00
2½-inch at	5.00	45.00

Cash with order.

Randolph & McClements,

Baum and Beatty Sts.,
PITTSBURG, PA.

Write **GEO. A. KUHL, at Pekin, Ill.,** for his list of

Chrysanthemums, Cannas, Carnations and Roses.

Also his complete list of **Soft Wooded Plants.**

We expect to have a fine line of stock for bedding and Decoration Day.

Rooted Cuttings

	Per 100	Per 1000
Coleus, plenty of variety	$ .70	$ 6.00
Heliotrope, Salvias,	1.00	8.00
Petunias, double	1.25	10.00
Alyssum, double	1.00	8.00
Ageratums,	.60	5.00
Pelargoniums,	2.50	

Everything named, Express paid. Cash with order

S. D. BRANT, The Clay Center Florist, CLAY CENTER, KAS.

BOSTON FERNS.

3-in pots, $1.00 per doz.; $7.00 per 100.
4-in pots, 1.50 per doz.; 10.00 per 100.
5-in pots, 4.00 per doz.; 25.00 per 100.

WHITMANI FERNS

3-in pots, $1.00 per doz.; $7.00 per 100.
4-in pots, 1.50 per doz.; 10.00 per 100.

—Cash please—

Muskogee Garnation Co., Muskogee, Okla.

LARGEST STOCK OF ALL

Belgian Plants

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

LOUIS VAN HOUTTE, PERE,
GHENT, BELGIUM.

PANSIES The Jennings Strain.....

Fine plants in bud and bloom, $1.00 per 100. Small plants, $4.00 per 1000; $7.00 per 2000. Cash with order.

E. B. JENNINGS,

Grower of the Finest Pansies,
Lock box 254, SOUTHPORT, CONN.

Alternantheras.

Strong rooted cuttings, red and yellow, 50c per 100, or $4.00 per 1000.

DAVIS BROS., Morrison, Ill.

Alternantheras.

Strong rooted cuttings. P. Major (red), A. Nana (yellow). 50c per 100; $4.00 per 1000.

Coleus, 60c per 100; $5.00 per 1000.

J. W. Davis & Co.

2900 Brady St., Davenport, Iowa.

Neph. Whitmani

2¼-inch	$ 5.00 per 100
3½-inch	25.00 per 100

Boston Ferns 2¼-inch, $3.00 per 100.

Henry H. Barrows & Son, WHITMAN, MASS.

ROOTED CUTTINGS. Prepaid per 100. Heliotrope German Ivy, 75c; Alternanthera 50c; Coleus, Ageratum, 60c; Salvia, 85c. Fuchsia, $1.00. Seedling **Verbena,** Mammoth mixed 35c per 100, prepaid. Cash. Special price on 1000. List Free.

SHIPPENSBURG FLORAL CO. Shippensburg, Pa

NEW YORK.—Caroline E. Scallen, a florist of 1242 Broadway, has filed a petition in bankruptcy, with liabilities of $8,303, and assets of $4,531, consisting of stock, $200; three delivery wagons, $750; fixtures, $1,000, and accounts, $2,581. Among the creditors are Mrs. Robert Stafford, $1,635; George Schlegel, $1,098; John J. Rayner, $575; A. J. Guttman, $531; Julius Roehrs Co., $460, and Walter F. Sheridan, $349. The business was started many years ago by her husband, who died in February, 1903, and she has carried it on since. The bankruptcy is attributed to trade going farther uptown and inability to collect accounts.

TOLEDO, O.—Krueger Bros. have begun making extensive improvements on 26 acres recently purchased out Woodville road, and will this summer increase their capacity by one-half. They have begun building two greenhouses, 30x250 and 36 x250 feet, and will erect a boiler house. The firm now has 50,000 square feet of glass at its present location at Nevada and Clark streets, and will have 25,000 square feet more upon the completion of the work this summer. For the first year the two new houses will be used exclusively for carnations.

SOUTH ORANGE, N. J.—Sparks from a passing locomotive are said to have set fire to the Cedar nurseries of Wm. A. Manda, opposite Fourth street, April 5. A gang of men from the greenhouses, using brooms, extinguished the blaze before much damage was done.

Hartford, Conn.

The regular meeting of the Connecticut Horticultural Society was held in County building April 10. It was carnation night, and, as is the rule on such an occasion, there was a large attendance of members. The quality of the exhibits, as a whole, was of a high order and the awards made in each case were entirely merited. The judging committee, Messrs. Zuger, Roulier and Chambers, went over the exhibits carefully and the findings were as follows:

John Coombs, diploma for vase of White Perfection.

Carl Peterson, certificate of merit for collection of carnations.

W. N. Shumway, honorable mention for new seedling carnation.

Carl Peterson, honorable mention for vase of Kaiserin roses.

H. A. Pinney, carnation grower for John Coombs, read an able and instructive paper on the "History of the Carnation," for which he received a hearty vote of thanks. President Huss specially complimented Mr. Pinney by saying that the paper was one of the most interesting he ever had the pleasure of listening to. Geo. W. Smith, delegate of this society to the annual meeting of the Massachusetts Fruit Growers' Association at Worcester March 11-12, gave an interesting account of his visit to that society.

The society will hold a pansy exhibiton May 27, and a paper on the "Evolution of the Pansy" will be read by John Gerard. The special committee reported having engaged Unity hall for the dahlia show September 23. A committee was also appointed to secure a hall for the chrysanthemum show for November 5-6. There will be rose exhibits at the next meeting, April 24.

A. C.

PITTSBURG, PA.—At all the parks and public conservatories the spring display is finer this year than ever.

Bench Plants.

ONE-YEAR-OLD.	Per 100	Per 1000
AMERICAN BEAUTY	$6.00	$50.00
MAID	3.00	25.00
BRIDE	3.00	25.00
CHATENAY	3.00	25.00

Rooted Cuttings.

MAID	$1.50	$12.00
RICHMOND	1.50	12.00
KATE MOULTON	2.50	20.00
From 2½-Inch Pots.		
SMILAX	$2.50	$20.00
CLIMBING KILLARNEY	3.00	25.00

GEORGE REINBERG,
35 Randolph St., CHICAGO.

A FEW GOOD THINGS YOU WANT.

Asparagus Sprengeri, 2-in., $2.50 per 100; 3-in., $5.00 per 100. Seedlings, $1.00 per 100.
Geraniums, Nutt, Doyle, Perkins, Ricard, Grant, La Favorite, R. C., $1.25; 2-in. pots, $2.00; 3-in., $4.00 per 100; Trego, Viaud, Castellane, Poitevine, Jaulin, R. C., $1 50; 2-in. pots, $2.50; 3-in., $5.00 per 100. Mme. Salleroi, 2-in. $3.00 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100; 3-in., $5.00 per 100.
Boston Ferns, 5-in., 30c each.
Vinca Var., 2-inch, $2.00 per 100.
Dracena Indivisa, 2-in. $3.00 per 100.
Gladiolus Bulbs, light colors, $1.00 per 100.
Rex Begonia, $5.00 per 100.
Coleus, Cigar Plant, Verbena, Heliotrope, Scarlet Sage, Bonfire, Alternanthera, red and yellow, 2-in. pots, $2.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the express companies properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

GRAFTED ROSES.

NOVELTIES.

MRS. JARDINE, RHEA REID, QUEEN BEATRICE.
The above, $6.00 per doz., 50 plants for $18.00, $35.00 per 100.
MY MARYLAND, 50c each, $5.00 per doz., $35.00 per 100.
On own roots, 2½ in. pots, $25.00 per 100, $2.00 per 10; 3 in. pots, $5.00 per doz.
MRS. POTTER PALMER, $3.00 per doz., $17.50 per 100; $125.00 per 1,000.
NEW RAMBLER, "NEWPORT FAIRY." For delivery spring 1908. Well rooted plants in 2¼ inch pots $1.00 each, $9.00 per dozen, $50.00 per 100.

STANDARD VARIETIES.

Aurora, Betty, Bon Silene, Bride, Bridesmaid, Enchanter, Etoile de France, Franz Deegen, Gen. McArthur, Golden Gate, Hermosa, Ivory, Kaiserin Augusta Victoria, Kate Moulton, Killarney, La Detroit, Maman Cochet, Marechal Niel, Mme. Abel Chatenay, Mme. Hoste, Mrs. Pierpont Morgan, Papa Gontier, Rosalind Orr English, Richmond, Souv. du President Carnot, Souv. de Wootton, Uncle John, Wellesley, White Cochet.

GRAFTED, 2¼ inch pots, 20c each, $2.00 per doz., $15.00 per 100, $120.00 per 1,000.

AMERICAN BEAUTY.

Own root, 2½ inch pots, $8.00 per 100, $75.00 per 1,000. 3 inch pots, $12.00 per 100, $100.00 per 1,000. April, May and June delivery.

OWN ROOT ROSES.

From 2½ inch pots, repotted from 2 inch.
Kaiserin Augusta Victoria, Killarney, Bride, Bridesmaid, Ivory, Golden Gate, Uncle John, Richmond, Mme. Abel Chatenay, Aurora, $1.00 per doz., $6.00 per 100, $50.00 per 1,000.
From 2 inch pots ready for shipment, $3.50 per 100, $30.00 per 1,000.

CARNATIONS.—Rooted Cuttings.

	100	1,000
Winsor	$6.00	$50.00
Rose Pink Enchantress	3.50	30.00
Enchantress	2.50	20.00
Queen Louise	2.50	20.00

From 2¼ inch pots, add $1.00 per 100.
White Enchantress, 3 in. pots,, $7.00 per 100, $60.00 per 1,000.

MISCELLANEOUS PLANTS.

AGERATUM, Stella Gurney, Princess Pauline.
SALVIA Splendens, S. Bonfire.
HELIOTROPE.
Rooted cuttings 75c per 100, $6.00 per 1,000.

COLEUS.

Verschaffeltii, Golden Queen, Fire Brand, Lord Palmerston, Queen Victoria, Beckwith's Gem. Prices of Rooted Cuttings by express, 60c per 100; $5.00 per 1,000. Less than 250 of a variety will be charged at the 100 rate.
Golden Bedder, Hero, Messey, Pearl of Orange, 75c per 100, $6.00 per 1,000. Less than 250 of a variety will be charged at the 100 rate.
Fancy Varieties. A very fine assortment of twelve kinds not listed above; 75c per 100, $6.00 per 1,000. 250, in assortment, our selection, at the 1,000 rate.

ASPARAGUS PLUMOSUS NANUS SEEDLINGS.

From flats, $10.00 per 1,000.

CHRYSANTHEMUMS.

Ready for Shipment.

Virginia Poehlmann, Angele Laurent, Golden Dome, Mlle. Jeanne Rosette, Money Maker, from 2¼ in. pots, $2.00 per doz.; $10.00 per 100.
Mrs. Clay Frick, Zimmers Yellow, Mary Mann. From 2¼ in. pots, $1.00 per doz.; $6.00 per 100.
Rooted Cuttings, $5.00 per 100.
CHOICE POMPONS, Klondyke, Quinola.
CHOICE SINGLE VARIETIES, Kitty Bourne, Mrs. Roberts, Amorita.
From 2¼ in. pots, $1.00 per do.

STANDARD VARIETIES

WHITE—Early: George S. Kalb, Polly Rose, Early Snow, October Frost. Mid-Season: Clementine Touset; White Shaw, Mrs. H. Robinson, Beatrice May, Merza, Niveus, Queen, Alice Byron, Eureka, Miss Minnie Wanamaker, Adelia. Late. Mrs. McArthur, Timothy Eaton, W. H. Chadwick, Merry Christmas.
PINK—Early: Glory of the Pacific, Rosiere. Mid-Season: J. K. Shaw, Adelia, A. J. Balfour, William H. Duckham, Dr. Enguehard, Morton F. Plant. Late: Maud Dean, The Harriott, Mayor Weaver, Mrs. James Marshall.
YELLOW—Early: Monrovia. Mid-Season: G. Pitcher, Col. D. Appleton. Late: Major Bonnaffon, Golden Wedding, H. W. Reiman, Yellow Eaton.
RED—Cullingfordi, Merstham Red, Matchless.
BRONZE YELLOW—Mrs. William Duckham, Old Gold.
POMPONS—Baby (Yellow), Lulu (White), Briolas (Pink).
From 2¼ inch pots; 5c each, 50c per dozen, $3.00 per 100, $25.00 per 1,000.
Rooted Cuttings: $2.00 per 100, $15.00 per 1,000.

A. N. PIERSON, - Cromwell Conn.

60,000 Grafted Roses

	Per 100
Chatenay, Killarney, Richmond, Liberty, La France, in rose pots	$15.00
3½-inch pots	18.00
Bride, Bridesmaid, Golden Gate, Kaiserin, in rose pots	10.00
3½-inch pots	15.00

OWN ROOT ROSES.

3-inch pots.....$7.00 and $9.00 per 100

Orders received for early delivery.

Send for circulars of **VERBENA** and **CARNATION CUTTINGS.**

J. L. DILLON, Bloomsburg, Pa.

PANSY PLANTS.

	Per 1000	100
Giant Flowering	$ 2.50	.50
Alternantheras, Red and Yel. Apl. 10.		2.00
Coleus, 2¼-in. pots, 10 varieties		2.00
Canna, C. Henderson, and eight other varieties, 3-in. pots, May 1st		3.50
Vinca, Variegated, 2¼-in. pots		2 50
Verbenas, April 15th		2.00

GERANIUMS.

	Per 100
4 varieties 3-in. pots, Apl. 1,	$ 4.00
Double Petunias, Apl. 1	3.00
Asp. Plumosus, Apl. 1	2.00
Asp. Sprengeri, Apl. 1	2.00
Centaurea Gym. Apl. 15	2.00
Primroses, July 1st	2.00

—CASH—

JOS. H. CUNNINGHAM, Delaware, O.

Extra Fancy Carnation Blooms

Shipped direct to all points. Special attention to telegraph orders. Give us a trial and be convinced.

J. D. THOMPSON CARNATION CO., Joliet, Ill.

CARNATIONS

Rooted Cuttings. Healthy stock.

	Per 100	1000
Winsor, Helen M. Gould, Beacon	$6.00	$50.00
White Enchantress	7.00	60.00
Melody, Victory	4.00	
Enchantress, Lady Bountiful, Red Lawson, Variegated Lawson, White Lawson, Daheim	3.00	25.00
Mrs. T. W. Lawson, Boston Market	2.00	15.00

Send for Catalogue.

WOOD BROTHERS
FISHKILL, N. Y.

JOHN E. HAINES,

BETHLEHEM, PA.,

is the place to order rooted cuttings of the following varieties for 1908.

	Per 100	Per 1000
John E. Haines, red	$6.00	$50.00
Imperial, variegated	6.00	50.00
Pink, Pink	6.00	50.00
Enchantress, Light pink	6.00	50.00

Afterglow

Strong Rooted Cuttings now ready,

$12.00 per 100; $100 per 1000.

R. WITTERSTAETTER,
(Originator)
Station F. CINCINNATI, O.

Jensen & Dekema

CARNATION SPECIALISTS

674 W. Foster Ave., CHICAGO.

GERANIUMS Pink and Salmon. Red, White,

2½-in., $3.50; 3-in., $5.00; 4-in., $8.00; in pots, $1.00 additional.

Ask for our special list of **Bedding Plants, Coleus, Mme. Salleroi,** and **Salvia, Etc.**

GEO. A. KUHL,
Wholesale Grower. PEKIN, ILL.

McKEESPORT, PA.—Several thousand people attended the opening at the establishment of John H. Orth, Sinclair street April 4, where about 3,000 carnations were presented as favors to visitors. All day and evening there was a steady stream in and out of the store, which had been prettily decorated with fragrant flowers. The presence of ladies was conspicuous, although there was also a large number of men in the throng. Mr. Orth personally conducted the opening and received many hearty congratulations.

WESTERLY, R. I.—Halbert G. York, who for 15 years has conducted the floral business at 36 Beach street, has sold out the same to Conrad Schultz. For many years Mr. Schultz has been in charge of the shipping department and floral design work at the plant of S. J. Reuter on Beach street. Mr. Schultz intends to put the greenhouses in better condition and to build up the business. Mr. York has been in poor health for the past two years, and at times has been unable to attend to his duties. Mr. Schultz has many friends who wish him success in his venture into business.

Bedding Stock

All kinds in Standard Varieties.

Ferns

Boston, Piersoni,
Elegantissima,
Scotti and Whitmani,
Well grown stock in all sizes.

100,000 **Horseradish** Sets

At a bargain.

Perennials

Shasta Daisies
Gaillardia, Coreopsis,
Myosotis, Hardy Pinks, etc.
Seedlings, transplanted stock and field grown clumps.

Cannas

All leading varieties in dormant roots
Started and Pot Plants.

All fine stock at low prices. Send for descriptive list.
See classified lists for prices.

THE MOSBÆK GREENHOUSE CO., ONARGA, ILL.

Rooted Carnation Cuttings

	Per 100	Per 1000
Enchantress	$ 1 75	$ 15 00
Mrs. T. W. Lawson	1 50	12 00
Boston Market	1 50	12 00
Rose Pink Enchantress	3 00	25 00
White Perfection	3 00	25 00
White Enchantress	6 00	$ 50 00
Winsor	6 00	50 00
Beacon	6 00	50 00
Harlowarden	1 50	12 50
Aristocrat	6 00	50 00

CHRYSANTHEMUMS.

WHITE.	Per 100
W. H. Chadwick	$2 00
White Bonnaffon	1 50
October Frost	1 50
Estelle	1 50
Clementine Touset	1 50
Jeanne Nonin	1 50

YELLOW.	Per 100
Golden Chadwick	$2 00
Major Bonnaffon	1 50
October Sunshine	1 50
Monrovia	1 50
PINK.	
Dr. Enguehard	1 50
Glory of Pacific	1 50

Satisfaction Guaranteed. **A. F. LONGREN, Des Plaines, Ill.**

CARNATIONS. GERANIUMS.

ROOTED CUTTINGS.

	Per 1000
Winsor and Beacon	$40.00
Pink Imperial, Aristocrat	30 00
Enchantress, J. E. Haines	12.50
White Perfection, Victory	20.00
Pink Patten, Lawson	10.00

Nutt, Perkins Doyle, Viaud, Castellane, Poitevine and Ricard, ready in May at $10.00 per 1000.

Asparagus Plumosus, ready for 3-inch now at $30.00 per 1000.
Asparagus Sprengeri and **Smilax,** ready June 1st at $15.00 per 1000.

ALBERT M. HERR, Lancaster, Pa.

CARNATIONS—Rooted Cuttings. Immediate Delivery.

	Per 100	1000
Winsor	$6.00	$50.00
Aristocrat	6.00	50.00
Victory	3.00	25 00
Enchantress	2.00	20.00
Lawson (pink)	1 75	15.00
Lawson, (white)	2.00	18.00

STEVIA, R. C., $1.00 per 100.

Or will exchange the above for Montmort, Perkins, Poitevine or Viaud Geraniums.

Satisfaction guaranteed. **E. T. WANZER, Wheaton, Ill.**

CARNATIONS ROOTED CUTTINGS.

Aristocrat	Per 100, $ 5 00	Enchantress	Per 100, $ 2 00
Winsor	" 5 00	Lady Bountiful	" 2 00
Perfection (White)	" 2 75	Victory	" 2 75

Rose Pink Enchantress, $2.75 per 100.

SALVIA ZURICH. The Ever-blooming Salvia. Rooted cuttings, $1.75 per 100; 2-in. $3.00 per 100.
The Salvia Zurich was first introduced by us.

PERENNIAL GARDENS CO., Toledo, Ohio.

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By placing your specialties before the purchasing florists of the entire country by advertising in

Send Copy Now. THE AMERICAN FLORIST.

Orchids

The largest importation of Orchids ever received in this country will arrive next spring from Brazil, Venezuela and Colombia. If you intend putting in a stock wait for these to arrive and we will quote you the lowest prices in America.

ORDONEZ BROS.

Madison, N. J.

Imported Orchids

JUST TO HAND. Lælia Purpurata, Cattleya Intermedia, Cattleya Mossiæ.

JULIUS ROEHRS CO.,

The Orchid Nurseries, RUTHERFORD, N. J.

Orchids!

Orders booked now for delivery 1908 of all the leading kinds of Orchids at greatly reduced prices. We have also just received the following: Oncidium tigrinum, O. sarcodes, O. Forbesii, Sophronitis grandiflora and coccinea. Write us.

Lager & Hurrell, Summit, N. J.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World.

SANDER, St. Albans, England.

NEW YORK OFFICE: Room 1, 235 Broadway. **T. MELLSTROM** Agent.

ORCHIDS.

Arrived in superb contition fine importations of Dendrobium formosum giganteum, D. Wardianum. These are elegant plants.

To arrive April 15, large importations C. gigas Sanderiana, C. labiata, C. Trianæ. A trial order will prove we carry the best stock that can be secured.

CARRILLO & BALDWIN,

Orchid Growers and Importers.

SECAUCUS, NEW JERSEY.

Indianapolis.

BULBOUS STOCK OVER.

Easter prospects are good. Roses and violets will be scarce, carnations plentiful. Pot plants generally plentiful and fine except bulbous stock, which, like the two preceding Easters, came too early. Lilies also will be scarce, many coming with crippled flowers. Bedding stock is coming on nicely, salvias and vinca vines scarce; geraniums plentiful.

NOTES.

Hail damage has all been reported. Hail reminiscences and observations are still in evidence. Here are a few:

John Heidenreich, one of the heaviest losers, is full of gratitude towards his florist friends and wishes to extend his most sincere thanks, especially to Bertermann Bros. Co., Smith & Young Co., E. A. Nelson and Baur & Smith.

Double strength glass, 16x24, suffered least; the single strength and smaller sizes suffered most.

For glazing greenhouses painters are first for big wages, incompetency and short hours only.

It is more profitable to insure between now and the next hail than afterwards.

The numerous friends of W. W. Coles were grieved to learn that he lost his baby daughter.

J.

GERANIUMS.

Novelties, 1907 introductions from Bruant, Lemoine, Boucharlat and Cannnell, one each of 50 varieties, our selection, including singles and doubles, for $5.00.

PELARGONIUMS,

In good variety, strong plants from 3-in. pots, $1.50 per doz., $6.00 per 100

HARDY CHRYSANTHEMUMS

Our collection of Hardy Chrysanthemums will compare favorably with any in the country, and we have an immense stock ready for shipment. Small flowered or Button varieties $2.00 per 100; large flowered or Aster type $3.00 per 100. Descriptions will be found in our wholesale list.

DAHLIA ROOTS.

We still have about 75 varieties we can offer Cactus, Decorative, Show and Pompon true to name at $5.00 per 100 and up for whole field grown clumps. One thousand, 50 each of 20 varieties, our selection, for $40.00 all good kinds a splendid collection for planting or just the thing for store trade.

	Per 100
Alyssum, Giant double	2.00
Ageratum, Stella Gurney	2.00
Begonia, Vernon White and Rose	2.00
" Gracilis White and Rose	2.00
" Rex, 2-in. pots	2.00
Cuphea, Cigar plant	2.00
Coleus, Verschaffeltii, Golden Bedder, and other kinds	2.00
Fuchsias, Black Prince and Minnesota... Lieutenant Muritz, White and Rose Phenomenal	2.00
Hardy English Ivy, extra strong	2.50
	$15.00 per 1000
Nymphea Odorata Gigantea, Water lily	2.00 3.50

	Per 100
Hollyhocks, strong 3-in. pot plants, dbl. white, pink, red and yellow	$3.00
Hardy Phlox,	2.00
Ivy Leaved Geraniums, 6 good kinds $25.00 per 1000	$3.00
Lobelia, Crystal Palace Gem	2.00
Lobelia, Kathleen Mallard, 2-in.	3.00
Lantanas, 5 varieties	2.00
Lavender, 2½-in. pots, strong	3.00
Swainsona alba	2.00
Salvia, Bonfire and Splendens	2.00
Tradescantia, dark variegated	2.00
Verbena red, white purple and pink	2.00
Rubber Plants, Ficus elastica, per doz	2.00

Visitors always welcome. Cash with order.

R. Vincent, Jr. & Sons Co., WHITE MARSH, Balto Co., MD.

Cycas Stems

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CHICAGO, 84-86 Randolph St. **NEW YORK,** 14 Barclay St.

Moon Vines

3 in. pots, 75c. per doz, $5 00 per 100.
2 in. pots, 50c. per doz., $3.00 per 100.
COLEUS Verschaffeltii and Golden Bedder, rooted Cuttings, out of ground, $1.00 per 100; ont of sand 75c per 100. **Fancy varieties Coleus cuttings,** 75c. per 100.
Scarlet Sage, (Ball of Fire) rooted c'tings 75c per 100; 2½-in. pots $3.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchaser after being delivered to the express companies, properly packed in good order

HILLSIDE CEMETERY CO.,

ROSLYN P. O. MONTY. CO., PA.

Moonvines.

(Ipomœa Noctiflora, A. W. Smith, originator), best pure white, largest and most fragrant moonvine in the world. I have made a specialty of them for the last 15 years, and am known as the moonvine grower of America, and grow yearly about 20,000 2½-in. pots, $5.00 per 100, now ready.

GODFREY ASCHMANN,

Importer, Wholesale Grower and Shipper of Pot Plants,

1012 W. Ontario St., PHILADELPHIA.

Sprengeri, 2-in. 2c **Swainsona alba,** 2-in.. 2c. **Heliotrope,** 2 in. 2c. **Feverfew,** 2-in. 2c. **Coleus,** 2-in. 2c. **White Ageratum,** 2½-in. 2c. **Feverfew,** nice young plants, 75c per 100. single **Hollyhock,** field, $2.50 per 100. 2-in. **Stock** 2c. Stock **Princess Alice, Cuphea, Alternanthera,** red and yellow, **Vinca Variegata, Fuchsia, Artillery Plant,** 2-in. 2c. **Asters,** earliest, lavender, 40c per 100. **Forget-me-nots** and **Double Daisies,** $2.50 per 1000.

Rooted Cuttings prepaid per 100: **Flowering Begonias,** $1.25 per 100; **Paris Daisies,** yellow and white, $1.00 per 100; Alexandra $1.25' **Petunia,** double. 10 kinds $1.00: **Swainsona Alba,** $1.00. **Cuphea,** 75c. **Heliotrope,** 3 kinds $1 00. **Fuchsia,** 5 kinds. $1.25. **Vinca Variegata,** 90c. **Alternanthera,** 3 kinds, 50c. **Coleus.** 10 kinds. **Ageratum,** White Inimitable, 60c. **Salvia,** Bonfire, 90c. **Feverfew,** Gem, $1.00. **Parlor Ivy,** 75c.

Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

For Immediate Delivery.

Geraniums, strong 3½- and 4-in. $5.00 per 100: $45.00 per 1000. Strong 3-in. $4.00 per 100: $35.00 per 1000. Rose, D. Grant, Nutt, Buchner Castellane, Poitevine, etc.

Petunias, Dreer's single fringed. **M. Verbenas, Lobelia,** trailing, **German Ivy,** heavy, 3-in. $3.00 per 100, $25.00 per 1000.

Vinca variegata, bushy, 3½- and 4-in. $60.00 per 1000.

Salvia, Bonfire and Spl., **Lobelia,** trailing and compacta, **Ageratum,** blue, **M. Verbenas, Coleus,** 12 varieties, strong, 2-in. $1.75 per 100, $15.00 per 1000. Cash.

WM. S. HERZOG, MORRIS PLAINS, N. J.

NEW VIOLET BOSTON.

In introducing this new variety to the trade I wish to state that I have been growing it in quantity for the past two years and do not hesitate to state that it is entirely distinct a strong grower a free bloomer and the finest single violet in cultivation. Ready for distribution in April and May. Orders booked now. **$2.00** per doz.; **$12.00** per 100; **$100.00** per 1000. 500 at 1000 rates.

WILLIAM SIM, Cliftondale, Mass.

SALVIA ZURICH.

The Ever-Blooming Salvia.

Propagation from carefully selected stock: absolutely true and of even type 2-in. $1.00 for 25 $3.00 for 100; $25.00 for 1000. Rooted cuttings $1.75, for 100; $15.00 per 1000.

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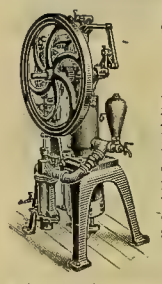

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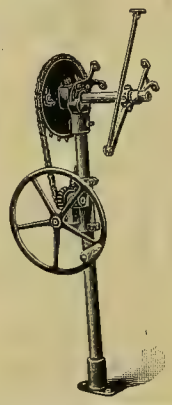

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RICHMOND, IND.

METROPOLITAN MATERIAL CO.

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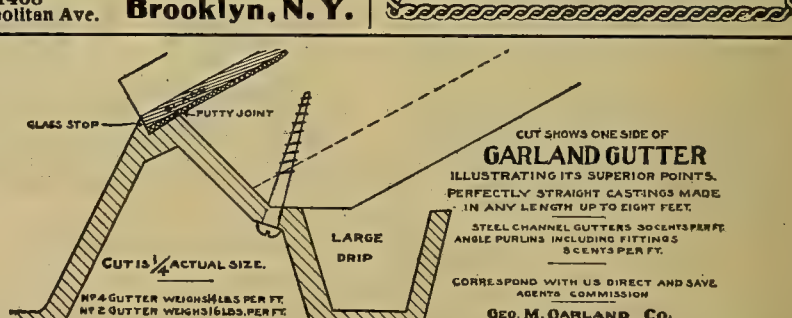

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A Standard Pumping Engine
is more reliable than windmills and will furnish a much higher pressure. Catalogue, on request, will tell you more.
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10 CENTS PER LINE, NET.

AGERATUMS.

Ageratums, Stella Gurney, Princess Pauline, R. C., 75c per 100; $6 per 1,000. A. N. Pierson, Cromwell, Conn.

Ageratums, R. C., White Inimitable, 60c; white, 2½-in., 2c. Byer Bros., Chambersburg, Pa.

Ageratums, 60c per 100. Shippensburg (Pa.) Floral Co.

Ageratums, Little Blue Star, 2¼-in., $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Ageratums, 60c per 100; $5 per 1,000. S. D. Brant, Clay Center, Kans.

ALTERNANTHERAS.

Alternantheras, red and yellow, R. C., 50c per 100; $4 per 1,000. J. W. Davis & Co., Davenport, Iowa.

Alternantheras, R. C., red and yellow, 50c per 100; $4 per 1,000. Davis Bros., Morrison, Ill.

Alternantheras, 3 kinds, 50c. Byer Bros., Chambersburg, Pa.

Alternantheras, 70c per 100; $5 per 1,000; $45 per 5,000. C. Humfeld, Clay Center, Kans.

Alternantheras, 50c per 100. Shippensburg (Pa.) Floral Co.

ALYSSUMS.

Alyssum, giant and dwarf, R. C., $1; 2-¼-in., $2.25 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Alyssum, giant double, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Alyssum, dbl., R. C., $1 per 100; $8 per 1,000. S. D. Brant, Clay Center, Kans.

AMPELOPSIS.

Ampelopsis Veitchii, strong, well rooted plants, 20 to 30-in. tops, well graded, $2.50 per 100; $20 per 1,000; 1-year-old for transplanting; 12 to 24-inch, $1.50 per 100; $12 per 1,000; 2,000 for $20. For sample send 25c, which will be credited on the first order. Charles Black, Hightstown, N. J.

ARAUCARIAS.

Araucarias, robusta compacta, 7-in., 5 trs., 27 to 30 ins., $2 to $2.50 each. Excelsa glauca, 7-in., 30 to 40 ins., 4 to 6 trs., $1.50 to $3 each. Excelsa, 6-in., 4 to 6 trs., 20 to 25 ins., 75c to $1; 5¼-in., 3 to 4 trs., 7 to 14 ins., 40c to 50c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Araucarias. L. Van Houtte, Ghent, Belgium.

ASPARAGUS.

Asparagus plumosus, 2½-in., $3.50 per 100; $30 per 1,000; 3-in., 6c; 3½-in., 10c; 4-in., 12c; 5-in., 20c; 6-in., 30c. Comorensis, 2-in., 2c; 2½-in., 3c; 3½-in., 6c. Sprengeri, 2½-in., 3c; 3½-in., 8c; 4-in., 10c. J. W. Dunford, Clayton, Mo.

Asparagus plumosus, 4½-in., $1.50 per doz.; $12 per 100; 5-in., 3 in. pot, $3 per doz.; $20 per 100; 6-in., 3 in. pot, $6 per doz. Sprengeri, 4½-in., $1.50 per doz.; $12 per 100. Frank Oechslin, 2572 W. Adams St., Chicago.

Asparagus plumosus, ready for 3-in., $30 per 1,000. Sprengeri, $15 per 1,000. A. M. Herr, Lancaster, Pa.

Asparagus plumosus, 2-in., $2.75 per 100; $25 per 1,000; seedlings, $1.25 per 100; $9 per 1,000. Wm. F. Kasting Co., Buffalo, N. Y., or Erie Floral Co., Erie, Pa.

Asparagus plumosus, 3-in., $7 per 100; $60 per 1,000. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Asparagus plumosus, 4-in., $10 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus plumosus, $2 per 100; Sprengeri, $2 per 100. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, extra strong, 2¼-in., 4-in., 5-in., $3, $8 and $10 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Asparagus plumosus, seedlings, from flats, $10 per 1,000. A. N. Pierson, Cromwell, Conn.

Asparagus Sprengeri, 2¼-in., extra strong plants ready to shift into 3½-in., $2.50 per 100. The Perennial Gardens Co., Toledo, O.

Asparagus Sprengeri, 3-in., 4c. J. D. Thompson Carnation Co., Joliet, Ill.

Asparagus Sprengeri, 2-in., 2c. Byer Bros., Chambersburg, Pa.

ASTERS.

Asters a specialty. Our experience enables us to select the best varieties. Queen of the Market, Vick's and Semple's Branching, from 2-in. pots, $2 per 100; $18 per 1,000. Branching from seed bed, 35c per 100; $3 per 1,000. A. C. Canfield, Springfield, Ill.

AZALEAS.

Azaleas, Van der Cruyssen, Vervæneana, Emp. of India, Emp. of Brazil, Niobe, Bernard Andreas alba, Prof. Wolters, etc., 75c to $10 each; larger specimen plants, $12.50 to $15 each; small for baskets, $3 and $4 per doz. Anthony Koster, $1.25 each. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Azaleas. Mme. Van der Cruyssen, Simon, Mardner, Vervæneana, Bernard Andreas alba, Niobe, Deutsche, Perle, Empress of India, Prof. Wolters, etc., 6 to 7-in., 60c to $2 each. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Azaleas. J. W. Dunford, Clayton, Mo.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

Azaleas. Jacs Smits, Ltd., Naarden, Holland.

BAY TREES.

Bay trees. L. Van Houtte, Pere, Ghent, Belgium.

Bay trees. W. & T. Smith Co., Geneva, N. Y.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

BEGONIAS.

Begonias, improved Erfordii, 4-in., $2 per doz.; 5¼-in., in bloom, 25c each. Flambeau, 5½-in., 25c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Begonias, Marjorie Daw, Thurstoni, Metallica, Rubra and Argentea Guttata, $4 per 100. Storrs & Harrison Co., Painesville, O.

Begonias, flowering, R. C., $1.25 per 100. Byer Bros., Chambersburg, Pa.

Begonia Gloire de Lorraine, 2¼-in., $15 per 100; $140 per 1,000. Wm. F. Kasting, Buffalo.

Begonias, Rex, 2-in., $2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Begonias, L. Van Houtte, Pere, Ghent, Belgium.

BOUGAINVILLEAS.

Bougainvillea glabra Sanderiana, 2½-in., $4 per 100. Storrs & Harrison Co., Painesville.

BOXWOOD.

Box trees, pyramidal shaped, 2 ft., base 18-ins., $1.25 each; 2½ ft., 18-ins., $1.50; 3 ft., 20-ins., $2; 3½ ft., 22-ins., $2.50; 4 ft., 2 ft., $3; 5 ft., 2½ ft., $5.50; 6 ft., 3 ft., $7. Standard or tree shaped, 24-ins., 18 to 20-ins. crown, $2 each; 24-ins., 24-in. crown, $3; 18-ins., 34-in. crown, $3.50; 24-ins., 34-in. crown, $4.50. Globe shaped, 12-ins., 3-4 in. clear stem, $1.50; 18-in., 3-4-in. clear stem, $2.25. Baby box trees, 12-18 ins. clear stem, 10-in. crown, 75c each; 12 ins., $1 each. Vaughan's Seed Store, Chicago and New York.

Boxwood, all sizes and kinds. Bobbink & Atkins, Rutherford, N. J.

Boxwood; Jacs Smits, Ltd., Naarden, Holland.

BULBS, American.

Bulbs, tuberoses, true dwarf Excelsior strain, $1 per 100; $9 per 1,000. Begonias, tuberous rooted, single white, yellow, scarlet, pink, 35c per doz.; $2.50 per 100; double, same colors, 60c per doz.; $4.50 per 100. Vaughan's Seed Store, Chicago and New York.

Bulbs, tuberoses, true dwarf Excelsior strain, 1st size, $1 per 100; $9 per 1,000. Begonias, tuberous rooted, single white, yellow, scarlet and pink, 35c per doz.; $2.50 per 100; double, 60c per doz.; $4.50 per 100. Winterson's Seed Store, 45 Wabash Ave., Chicago.

Bulbs of all kinds. A. T. Boddington, 342 W. 14th St., New York.

BULBS, Imported.

Bulbs, hyacinths, tulips and narcissus. W. J. Eldering & Son, Overveen, Haarlem, Holland.

Bulbs, hyacinths, tulips, narcissus, crocus, spiræas, gladiolus. Van Zanten Bros., Hillegom, Holland.

Bulbs, Japan lilies. J. M. Thorburn & Co., 33 Barclay St., New York.

CALADIUMS.

Caladiums, 5-7 ins., $2 per 100; $15 per 1,000; 7-9, $3.50 per 100; $32 per 1,000; 9-12, $6 per 100; $55 per 1,000; 12 ins. and up, $14 per 100. Winterson's Seed Store, 45 Wabash Ave., Chicago.

Caladiums (elephant's ear), 7-9 inch, $3.50 per 100; $32 per 1,000; 9-12, $6 per 100; $55 per 1,000; 12 ins., $14 per 100. Vaughan's Seed Store, Chicago and New York.

Caladium esculentum, 5-7 ins., $2; 7-9, $3. 9-11, $6. Storrs & Harrison Co., Painesville, O.

CANNAS.

Cannas, Austria, Allemania, Alsace, Bouvier, Capt. Drugeon, C. Henderson, J. D. Eisele, F. Vaughan, Kate Gray, Pres. Viger, Pennsylvania, Pres. Myer, Souv. de A. Crozy, $2.50 per 100; $20 per 1,000; David Harum, $4 per 100, $35 per 1,000. Egandale (3-in. pots only) $5 per 100. King Humbert, 4-in., $25 per 100. W. W. Coles, Kokomo, Ind.

Cannas, Rosea Gigantea, strong plants, $2 each, prepaid; $18 per doz. Gladio-Flora, $2 each, prepaid; $18 per doz. Meteor, plants or dormant roots, 75c each, prepaid; $6 per doz. William Saunders, plants, 60c each, prepaid; $5 per doz.; $35 per 100. Conard & Jones Co., West Grove, Pa.

Cannas, dormant roots, Mlle. Berat, $3 per 100; Graf Waldersee, $6; The Empress, $8; Leonard Vaughan, $5; King Humbert, $12; Alsace, Beaute Poitevine, Crimson Bedder, $4; Jean Tissot, $5; Chas. Henderson, $3; Egandale, $6; David Harum, $4; Frederick Benary, $3; Italia, $4; Burbank, Allemania, $3. Vaughan's Seed Store, Chicago and New York.

Cannas, 2 and 3-eye divisions, Allemania, Austria, Chas. Henderson, Fair Hope, Progression, Shenandoah, $2 per 100; $17 per 1,000. Beaute Poitevine, Crimson Bedder, Egandale, F. Vaughan, Papa Nardy, $3 per 100; $25 per 1,000. King Humbert, $10 per 100. Storrs & Harrison Co., Painesville, O.

Cannas, Black Beauty, Egandale, Antoine Bouvier, Burbank, Kate Gray, $3 per 100. Buffalo Cut Flower Co., 468 Washington St., Buffalo, N. Y.

Cannas. J. M. Thorburn & Co., 33 Barclay St., New York.

Cannas, leading vars., $10 per 1,000 up. Dingee & Conard Co., West Grove, Pa.

Cannas, Chas. Henderson, $2 per 100. Jos. H. Cunningham, Delaware, O.

Started cannas, standard varieties, fine plants. Mosbæk Greenhouse Co., Onarga, Ill.

Cannas, mixed, per 100, $1. H. H. Kern, Bonner Springs, Kans.

Cannas, Geo. A. Kuhl, Pekin, Ill.

CARNATIONS.

Carnations, rooted cuttings. Afterglow, Andrew Carnegie, Defiance, Sarah Hill, Winona, $12 per 100; $100 per 1,000. White Enchantress, $6 per 100; $55 per 1,000. Victory, Robt. Craig, Enchantress, $3 per 100; $25 per 1,000. Winsor, $6 per 100; $45 per 1,000. Red Chief, Red Riding Hood, $5 per 100; $40 per 1,000. Pink Patten, Mrs. Patten, $2.50 per 100, $20 per 1,000. Mrs. T. W. Lawson, Prosperity, $2 per 100; $15 per 1,000. Rose Pink Enchantress, $4 per 100; $30 per 1,000. Vaughan's Seed Store, Chicago and New York.

Rooted cuttings of the purest White Enchantress. We believe we have the largest and best stock in the country. The reason for this is that we were first in the market with this grand pure white. Orders now being booked at $6 per 100; $50 per 1,000. Also a large stock of Beacon, Winsor, Pink Enchantress, Lawson and other commercial varieties. Special, 200 Afterglow out of 2-in. pots, $12 per 100. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Carnations. Fine Winsor and White Enchantress plants from soil or pots, topped and breaks started, $50 per 1,000. White Lawson, $20 per 1,000. Rooted cuttings ready, per 1,000: White Enchantress, $45. Red Nelson Fisher, $45. Beacon, $45. Aristocrat, $45. Rose Pink Enchantress, $25. White Perfection, $25. Winsor, $40. A. C. Canfield, Springfield, Ill.

Carnations, field-grown, 15,000 Enchantress and Winsor, ready for delivery July 1. Orders filled in strict rotation. Order now and be first. Prices on application. We guarantee satisfaction. We lead in superb field-grown stock. Wanoka Greenhouses, Barneveld, N. Y.

If you do not find what you need in our Ready Reference Department, write us about it.

Carnations, Lawson, $1.50 per 100; $12.50 per 1,000. Winsor, $5 per 100; $40 per 1,000. Rose Pink Enchantress, $3 per 100; $25 per 1,000. Enchantress, White Lawson, Lady Bountiful, $2 per 100; $15 per 1,000. B. Market, $1.25 per 100; $10 per 1,000. Beacon, $5 per 100; $40 per 1,000. Robt. Craig, $2.50 per 100; $20 per 1,000. Cardinal, $2 per 100; $17.50 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Carnations, Winsor, Helen Gould, Beacon, $6 per 100; $50 per 1,000. White Enchantress, $7 per 100; $60 per 1,000. Melody, Victory, $4 per 100. Enchantress, Lady Bountiful, Red Lawson, V. Lawson, W. Lawson, Daheim, $3 per 100; $25 per 1,000. Mrs. Lawson, B. Market, $2 per 100; $15 per 1,000. Wood Bros, Fishkill, N. Y.

Carnations: Enchantress, $1.75 per 100; $15 per 1,000. Mrs. T. W. Lawson, Boston Market, $1.50 per 100; $12 per 1,000. Rose Pink Enchantress, White Perfection, $3 per 100; $25 per 1,000. White Enchantress, Winsor, Beacon, Aristocrat, $6 per 100; $50 per 1,000. Harlowarden, $1.50 per 100; $12.50 per 1,000. A. F. Longren, Des Plaines, Ill.

Carnations, Winona, $12 per 100; $100 per 1,000. Red Chief, $5 per 100; $40 per 1,000. Aristocrat, Winsor, Beacon, $6 per 100; $50 per 1,000. White Perfection, Rose Pink Enchantress, Enchantress, Lady Bountiful, $3 per 100; $25 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, R. C., Winsor, White Enchantress, Beacon, $5 per 100; $45 per 1,000. Rose Pink Enchantress, Enchantress, $2.50 per 100. Aristocrat, 2½-in., $6 per 100. Maybelle, Victory, Enchantress, White Lawson, Var. Lawson, 2 and 2½-in., $3 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

Carnations, 10,000 White Enchantress, 10,000 Beacon, 5,000 Aristocrat, $6 per 100; $50 per 1,000; 10,000 White Perfection, 5,000 Rose Pink Enchantress, $3 per 100; $25 per 1,000; 5,000 Enchantress, $2.50 per 100; $20 per 1,000; 10,000 Andrew Carnegie, $12 per 100; $100 per 1,000. Chicago Carn. Co., Joliet, Ill.

Carnations. Winsor, Aristocrat, $6 per 100; $50 per 1,000. Victory, $3 per 100; $25 per 1,000. Enchantress, $2 per 100; $20 per 1,000. Lawson, $1.75 per 100; $15 per 1,000. White Lawson, $2 per 100; $18 per 1,000. E. T. Wanzer, Wheaton, Ill.

Carnations, Winsor, $6 per 100; $50 per 1,000. Rose Pink Enchantress, $3.50 per 100; $30 per 1,000. Enchantress, Queen Louise, $2.50 per 100; $20 per 1,000; from 2¼-in., add $1 per 100. White Enchantress, 3-in., $7 per 100; $60 per 1,000. A. N. Pierson, Cromwell, Conn.

Carnations, April 14: Winsor, Beacon, $40 per 1,000. Pink Imperial, Aristocrat, $30 per 1,000. Enchantress, J. Haines, $12.50 per 1,000. White Perfection, $20 per 1,000. Pink Patten, $10 per 1,000. Victory, $20 per 1,000. A. M. Herr, Lancaster, Pa.

Carnations, Enchantress, Lady Bountiful, $2.50 per 100; $20 per 1,000. White Perfection, $4 per 100; $35 per 1,000. Queen, $2 per 100; $15 per 1,000. Bassett & Washburn, 76 Wabash Ave., Chicago.

Carnations, Aristocrat, Winsor, $5 per 100; W. Perfection, $2.75; Enchantress, Lady Bountiful, $2; Victory, $2.75; Rose Pink Enchantress, $2.75. Perennial Gardens Co., Toledo. O.

Carnations, Pure White Enchantress, strong, healthy, well rooted cuttings, $6 per 100; $50 per 1,000. Satisfaction guaranteed. A. J. Stahelin, Redford, Mich.

Carnations, Victory, Imperial, Pink Imperial, Aristocrat, Winsor, Welcome, White Perfection, Lieut. Peary, Rose Pink Enchantress, Guttman & Weber, 42 W. 28th St., New York.

Carnations, Winsor, 2½-in., $6 per 100; $50 per 1,000. White Perfection, R. C., $3 per 100; $25 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, John E. Haines, Imperial and Pink Imperial, Enchantress, $6 per 100; $50 per 1,000. John E. Haines, Bethlehem, Pa.

Carnation Beacon, R. C. W. W. Coles, Kokomo, Ind.

Carnation Afterglow, $2 per doz.; $12 per 100; $100 per 1,000. R. Witterstaetter, Sta. F., Cincinnati. O.

Carnations, leading vars. Jensen & Dekema, 674 W. Foster Ave., Chicago.

Carnations. Geo. A. Kuhl, Pekin, Ill.

Carnations. E. G. Hill Co., Richmond, Ind.

CHRYSANTHEMUMS.

CHRYSANTHEMUMS.

Strong, healthy, well rooted cuttings of Brutus, Roserie, Geo. S. Kalb, G. of Pacific, Cobbold, Halliday, Duckham (pink), Nellie Pockett, Appleton, Parr, Ben Wells, White and Pink Ivory, A. J. Balfour, Jeannie Nonin, White and Yellow Bonnafon, Roi de Italie, P. Plumridge, Minnie Bailey, W. B. Chamberlain, John K. Shaw, Edgar Saunders, Dr. Enguehard, Mrs. Weeks, Merza, Robinson, Willowbrook, C. Touset, Gen. Maceo, $1.50 per 100; 2-in. plants $2 per 100. October Frost, White and Golden Chadwick, White and Yellow Jones, White and Yellow Eaton, cuttings, $2 per 100; pot plants, $2.50 per 100. Golden Dome, $1 per doz.; $8 per 100. James Hamilton, Mt. Washington, Maryland.

CHRYSANTHEMUMS.

10 per cent off for Cash. In effect April 5th.

	R. C. per 100	R. C. per 1000	2½-in. per 100	2½-in. per 1000
WHITE				
Virginia Poehlmann	$10.00	$80.00	$12.00	$100.00
Robinson	2.00	17.50	2.50	22.00
Kalb	2.00	17.50	2.50	22.00
Eaton Timothy ...	2.50	22.00	3.00	27.50
Alice Byron	2.50	22.00	3.00	27.50
Clementine Touset.	3.00	25.00	4.00	35.00
Chadwick	3.00	25.00	4.00	35.00
White Bonnafon ..	2.50	22.00	3.00	27.50
Merry Christmas ..	2.00	20.00	2.50	22.00
October Frost	5.00	.....	6.00	.....
YELLOW				
Col. Appleton	2.50	22.00	3.00	27.50
Major Bonnafon ..	2.00	17.50	2.50	22.50
Golden Wedding ..	3.00	25.00	4.00	35.00
Yellow Eaton	2.50	22.00	3.00	27.50
Halliday	2.50	22.00	3.00	27.50
Golden Chadwick .	3.00	25.00	4.00	35.00
Monrovia	3.00	.....	4.00	.....
PINK				
McNiece	2.50	22.50	3.50	30.00
Maud Dean	2.50	22.50	3.50	30.00
Dr. Enguehard ..	2.50	22.50	3.50	30.00
Rosiere	2.50	22.50	3.50	30.00
RED				
Intensity	2.00	.....	3.00	.....
Schrimpton	3.00	.....	4.00	.....

POEHLMANN BROS. CO., Morton Grove, Ill.

Chrysanthemums, Virginia Poehlmann, Angele Laurent, Golden Dome, Mlle. Jeanne Rosette. Money Maker, 2¼-in., $2 per doz.; $10 per 100. Mrs. Clay Frick, Zimmers Yellow, Mary Mann, 2¼-in., $1 per doz.; $6 per 100; R. C., $5 per 100. Pompons, Klondyke, Quinola, choice single vars., Kitty Bourne, Mrs. Roberts. Amorita, 2¼-in., $1 per doz. Standard varieties: Kalb, Polly Rose, Early Snow, Oct. Frost, C. Touset, White Shaw, Robinson, Beatrice May, Merza, Niveus, Queen, Byron, Eureka, Wanamaker, Adelia, Mrs. McArthur, T. Eaton, Chadwick, Merry Christmas, Glory of Pacific, Rosiere, Shaw, Balfour, Duckham, Enguehard, M. F. Plant, Maud Dean, The Harriott, Mayor Weaver, Mrs. J. Marshall, Monrovia, G. Pitcher, Appleton, Bonnaffon, Golden Wedding, H. W. Rieman, Yellow Eaton, Cullingfordi, Merstham Red, Matchless, Mrs. Duckham, Old Gold. Pompons: Baby, Lulu, Briolas, 2¼-in., 5c each; 50c per doz.; $3 per 100; $25 per 1,000; R. C., $2 per 100; $15 per 1,000. A. N. Pierson, Cromwell, Conn.

CHRYSANTHEMUMS.

White.	Per 100		
Oct. Frost	$3.00	Black Hawk	2.00
Estelle	2.00	Pink.	Per 100
Polly Rose	2.00	Monogram	2.00
Robinson	2.00	Lady Hariett	3.00
Merry Xmas	2.00	Balfour	2.50
Yanoma	2.50	Mary Mann	2.00
A. Byron	2.50	Mrs. Perrin	2.00
W. H. Chadwick..	3.00	Dr. Enguehard...	2.00
T. Eaton	3.00	Maud Dean	2.00
C. Touset	2.00	Yellow	
Beatrice May	3.00	Appleton	$2.00
Kalb	2.00	Golden Beauty ...	3.00
W. Bonnaffon	2.00	Golden Wedding..	2.50
Wanamaker	2.00	Oct. Sunshine ...	2.00
Red		Chas. Cronin	2.00
		Maj. Bonnaffon...	2.00
Intensity	2.00	Y. Eaton	3.00

WIETOR BROS., 51 Wabash Ave., Chicago.

Chrysanthemums, rooted cuttings: White, Timothy Eaton, Mrs. Geo. S. Kalb, fine early; Estelle, White Bonnaffon, Alice Byron, Ivory, C. Touset, Jeannie Nonin. Pink: Glory of the Pacific, Mary Mann, Dr. Enguehard, Maud Dean, Rosiere. Yellow: Major Bonnaffon, Cremo, Robt. Halliday. "Baby" small yellow, $2 per 100; $15 per 1,000. Cash with order. Wm. Swayne, P. O. Box 226, Kennett Square, Pa.

Chrysanthemums. The following are the very best and surest varieties for the southern commercial florist: White and Yellow Robinson, White and Yellow Jones, White and Yellow Eaton, White and Yellow Chadwick, Touset, Ivory, White Bonnaffon, Golden Gate, Appleton and Nonin. We can supply these for May delivery or early June planting, established pot plants, at $2 per 100. Chatogue Greenhouses, Mobile, Ala.

MUM CUTTINGS. The big money makers: Beatrice May, C. Touset, Adelia, Oct. Frost, and Jeanne Nonin, fine stock, only $1.50 per 100; strong from soil, $2.50 per 100. Not more than 25 per cent Beatrice May in any order at above price. W. J. Olds, Union City, Pa.

Chrysanthemums, Monrovia, Oct. Sunshine, F. A. Cobbold, Mrs. Pockett, Col. Appleton, Nellie Pockett, Cheltoni, Lady Hopetoun, White Coombes, Ben Wells, etc., $3 per 100; $25 per 1,000; 2¼-in. Chas. H. Totty, Madison, N. J.

Chrysanthemums, 2-in., William Simpson, Glory of Pacific, Polly Rose, Monrovia, Omega, $2.50 per 100; Rosiere, $3 per 100. Storrs & Harrison Co., Painesville, O.

Chrysanthemums, Chadwick, Golden Chadwick, $2. White Bonnaffon, October Frost, Estelle, Touset, Nonin, Bonnaffon, Oct. Sunshine. Monrovia, Enguehard, Glory of Pacific, $1.50 per 100. A. F. Longren, Des Plaines, Ill.

Chrysanthemums, hardy, small flowered, $2 per 100; large flowered or aster type, $3 per 100. R. Vincent & Sons Co., White Marsh, Md.

Chrysanthemums, fine strong 2 and 2½-in. pot plants of Monrovia, October Frost, Rosiere, Touset, Alice Byron, Diana and Dr. Enguehard, $25 per 1,000. Cash with order or C. O. D. Gunnar Teilmann, Marion, Ind.

Hardy chrysanthemums, mixed, fine, strong plants, 2¼-in., $2.25 per 100; $20 per 1,000. Mosbæk Greenhouse Co., Onarga., Ill.

Chrysanthemums, R. C., leading vars., $1, $1.50 and $2 per 100. Schmalzl & Hembreiker, Lincoln, Ill.

The American Florist invites attention to the class of business firms in its adv. columns.

Chrysanthemums, leading varieties. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums. Geo. A. Kuhl, Pekin, Ill.

CINERARIAS.

Cineraria hybrida, 4-in., 10c; 5-in., 20c; 6-in., $3 to $5 per doz. G. Aschmann, 1012 W. Ontario St., Philadelphia.

CLEMATIS.

Clematis paniculata, field-grown, 2-yr., $8; 3 and 4-in., $15. Elizabeth Nursery Co., Elizabeth, N. J.

COLEUS.

Coleus, Verschaffeltii, Golden Queen, Fire Brand, Lord Palmerston, Queen Victoria, Beckwith's Gem. R. C., 60c per 100; $5 per 1,000. Golden Bedder, Hero, Messey, Pearl of Orange, 75c per 100; $6 per 1,000. Fancy vars., 12 kinds, 75c per 100; $6 per 1,000. A. N. Pierson, Cromwell, Conn.

Coleus, Verschaffeltii and Golden Bedder, R. C., out of ground, $1 per 100; sand, 75c per 100. Hillside Cemetery Co., Roslyn P. O., Pa.

Coleus, Verschaffeltii, Golden Bedder, etc., $2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Coleus, in standard varieties, 2¼-in., $2.25 per 100; $20 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Coleus, 60c per 100; $5 per 1,000. J. W. Davis & Co., Davenport, Iowa.

Coleus, 70c per 100; $6 per 1,000. C. Humfeld, Clay Center, Kans.

Coleus, 10 varieties, 2¼-in., $2 per 100. Jos. H. Cunningham, Delaware, O.

Coleus, R. C., 70c per 100; $6 per 1,000. S. D. Brant, Clay Center, Kans.

Coleus, 2-in., 2c. Byer Bros., Chamberb'g, Pa.

CROTONS.

Crotons, 4-in., $25 per 100; 5-in., $50 per 100; 6-in., $75 per 100. Robt., Craig Co., 49th and Market Sts., Philadelphia.

CUPHEAS.

Cupheas, 2 kinds, R. C., 75c. Byer Bros., Chambersburg, Pa.

Cupheas, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

CYCLAMENS.

Cyclamen grandi, 4-in., 20c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

DAHLIAS.

Dahlias, field-grown, Wm. Agnew, Countess of Lonsdale, Nymphæa, Mrs. Wellesley, Admiral Dewey, A. D. Livoni and Fern-Leaf Beauty, $5 per 100; Grand Duke Alexis and Kriemhilde, $7 per 100. Storrs & Harrison, Painesville, O.

Dahlias, 75 vars. in cactus, decorative, show and pompon, true to name, $5 per 100 up: 1,000, 50 each of 20 vars., our selection, $40. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Dahlias, standard, double valuable sorts, $3 and $4 per 100. New and fancy sorts, $8 to $12 per 100; few good standard sorts, $2 per 100. Ferndale Nurseries, Harlan, Iowa.

Dahlias, novelties and standard varieties, true to name. A choice list of the best introductions. Send for catalogue of dahlias, hollyhocks, hardy plants. W. W. Wilmore, Box 382, Denver, Colo.

Dahlias, 2½-in., $2 per 100, such sorts as C. W. Bruton, Mrs. Winters, Fire Rain, Frank Smith, Mrs. Roosevelt, Kriemhilde, Countess of Lonsdale, Mme. Van der Dael. Memphis Floral Co., Memphis, Tenn.

Dahlias double mixed, per 100, $2; named, per 100, $3.50. H. H. Kern, Bonner Springs, Kans.

Dahlias, all leading vars., $45 to $50 per 1,000. Dingee & Conard Co., West Grove, Pa.

Dahlias, leading varieties. David Herbert & Sons, Atco, N. J.

DAISIES.

Daisies ,Shasta: Alaska and Burbank, undivided field clumps, $5 per 100; seedlings and transplanted, $1.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Daisy Queen Alexandra, well flowered, 6 and 7-in., $6 to $9 per doz. Robt. Craig Co., 49th and Market Sts., Philadelphia.

If you do not find what you need in our Ready Reference Department, write us about it.

Shasta daisies, strong field-grown divisions, per 100, $1. H. H. Kern, Bonner Springs, Kans.

Shasta daisies, field-grown, 100, $2.50; 1,000, $20. H. H. Kern, Bonner Springs, Kans.

DRACENAS.

Dracæna Massangeana, 6-in., $1.25 and $1.50 each. Lindenii, $1.25 and $1.50 each. Terminalis, 3½-in., $15 per 100; 5-in., $5 and $6 per doz.; 6-in., $6 and $9 per doz. Amabilis, 6 and 7-in., $9 and $12 per doz. Fragrans, 6 and 8-in., $6, $9 and $12 per doz. Sanderiana, 2½-in., $12 per 100. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Dracæna, indivisa, 4-in., $2 per doz.; 5-in., $3 per doz. Strong plants. C. C. Pollworth Co., Milwaukee, Wis.

Dracæna indivisa, 5-in., $3 per doz.; $20 per 100. Frank Oechslin, 2572 W. Adams St., Chicago.

Dracæna indivisa, 2¼-in., $2; 3-in., $5 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Dracæna indivisa, 2-in., $3 per 100. Geo. M. Emmans, Newton, N. J.

EASTER PLANTS.

Easter lilies, select, $15 per 100; medium, $12.50. Miami Floral Co., Dayton, O.

Lilies for Easter, 2 to 3 buds, 12c each; 4 to 8 buds, 10c each. Violet pans, 20c each. Crabb & Hunter Floral Co., Grand Rapids, Mich.

Easter Lilies, Giganteum, 5 to 7 buds, 15c. Extra nice stock, just right to ship and come in for Easter. Memphis Floral Co., Memphis, Tenn.

EUONYMUS.

Euonymus radicans, 1, 1½-ft., $6; 2, 2½-ft., $8 per 100; bushy plants. Brae-Burn Nursery, West Newton, Mass.

FERNS.

Ferns for dishes, 6 vars., 2-in., $3 per 100; $25 per 1,000; 3-in., 75c per doz.; $6 per 100. Boston, 5-in., $3 per doz.; $25 per 100; 6-in., $6 per doz.; $50 per 100; 7-in., $9 per doz.; 8-in., $12 per doz. Whitmani, 8 and 9-in., $1.50 and $2 each. Anna Foster, for baskets, $2 each. Boston for baskets, 8-in., $1.25 each; 10-in., $2 each. Pteris Wimsetti and Ouvrardi, 4½-in., $2 per doz.; $15 per 100. Cyrtomium falcatum, 4½-in., $2 per doz.; $15 per 100; 5-in., $3 per doz.; $25 per 100; 6-in., $5 per doz. Frank Oechslin, 2572 W. Adams St., Chicago.

Ferns, Elegantissima, 2¼-in., $6 per 100; 3½-in., $15 per 100; 6-in., 50c each; 8-in., $1 and $1.50 each; 10-in., $2 each. Whitmani, 2¼-in., $6 per 100; 3½-in., $15 per 100; 6-in., 50c and 75c each; 8-in., $1.50 each; 10-in., $2 each. Scotti, 6-in., 50c each. Boston, 2¼-in., $4 per 100; 6-in., 50c each; 8-in., $1 each. Small ferns for pans, $4 per 100; $30 per 1,000. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Nephrolepis Todeaoides, 2-in., $12 per 100; $100 per 1,000; 6-in., $9 per doz. Scottii, 6-in., $6 and $9 per doz.; 9-in. pans, $2 each. Adiantum hybridum, 3-in., $8 per 100; $75 per 1,000; 6-in. pans, 50c each. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Ferns, Boston, 3-in., $1 per doz.; $7 per 100; 4-in., $1.50 per doz.; $10 per 100; 5-in., $4 per doz.; $25 per 100. Whitmani, 3-in., $1 per doz.; $7 per 100; 4-in., $1.50 per doz.; $10 per 100. Muskogee Carnation Co., Muskogee, Mich.

Ferns, Boston, 8-in., $1.25 to $1.50 each; 7-in., $1; 6-in., 50c; 5 to 5½-in., 35c and 40c. Whitmani, 8-in., $1.50; 6-in., 50c. Scottii, 7-in., $1 to $1.25; 6-in., 50c; 5½-in., 40c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Whitmani ferns, none better, none cheaper from bench, $2 per 100; 2½-in. pots, $4 per 100; 3-inch pots, $10 per 100; 4-in. pots, $20 and $25 per 100; 6-in. pots, $50 and $75 per 100. B. M. Wichers & Co., Gretna, La.

Ferns, Boston, Piersoni, Annie Foster and Elegantissima, all sizes. Strong plants at bottom prices; see display adv. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns, Boston, 2½-in., 4c; 3-in., 8c; 4-in., 15c; 5-in., 25c; 6-in., 40c; 7-in., 65c; 8-in., $1 to $1.50; 10-in., $1.50 to $2. J. W. Dunford, Clayton, Mo.

Ferns, N. Amerpohlii, 2-in., $12 per 100; 4-in., $30 per 100; 6-in., 75c each; 8-in., $1.50 and $2 each. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Ferns, Whitmani, 2½-in. plants, sturdy and strong, $3.50 per 100; $30 per 1,000. Memphis Floral Co., 145 S. Main St., Memphis, Tenn.

Ferns, Whitmani, 2¼-in., $5 per 100; 3½-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Son, Whitman, Mass.

Ferns, Boston from bench, ready for 4-in., 6-in. and 8-in. pots, price $15, $25 and $35 per 100. Miami Floral Co., Dayton, O.

Ferns, Boston, 5-in., 30c each. Geo. M. Emmans, Newton, N. J.

Ferns, Scottii, Elegantissima, Whitmani, 2¼-in. W. W. Coles, Kokomo, Ind.

Ferns, 2½-in., $4 per 100; $30 per 1,000. Storrs & Harrison Co., Painesville, O.

FEVERFEW.

Feverfew, 2-in., $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Feverfew, young plants, 75c per 100. Byer Bros., Chambersburg, Pa.

FICUS.

Ficus pandurata, 2½ ft., $2 each; 3 ft., $2.50; 4 ft., $3.50; 5 ft., $5; 6 ft., $6; branched plants, $5 to $7.50. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Ficus elastica, 5 to 7-in., 30c to 75c each. G. Aschmann, 1012 W. Ontario St., Phila.

FUCHSIAS.

Fuchsias, $1 per 100. Shippensburg (Pa.) Floral Co.

GAILLARDIA.

Gaillardias, 3-in. plants and field-grown, $4 and $5 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

GENISTAS.

Genistas, for Easter, good stock, $3 to $9 per doz.; large plants, $1 to $3 each; standard and pyramidal, $3 to $7.50 each. Robt. Craig Co., 49th and Market Sts., Philadelphia.

GENTIANS.

Gentians, acaulis, verna; Edelweiss, 10 others plants, $2 postpaid. English Home of Alpine Plants, South Pool, S. Devon, England.

GERANIUMS.

100,000 GERANIUMS ready for delivery at special April prices. S. A. Nutt (in quantity), Beaute Poitevine, Jean Viaud, Francis Perkins, Peter Henderson, Mme. Buchner. Large top cuttings, well rooted, ready for 2½-in. pots, $1.50 per 100; $12.50 per 1,000. 2,000 S. A. NUTT, short stout plants from the bench, will make fine 5-in. stock for Decoration Day, packed light, $5 per 100. Cash.

THE W. T. BUCKLEY Co.,
Springfield, Ill.

Geraniums, novelitics 1907 introductions from Bruant, Lemoine, Boucharlat and Cannell, one each of 50 vars., our selection, singles and doubles, $5. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, Jean Viaud, Heteranthe, A. H. Trego, M. De Castellane, Granville (pink single), in bud, 3-in., strong and bushy, $5 per 100; $40 per 1,000. Memphis Floral Co., Memphis, Tenn.

Geraniums, Nutt, Doyle, Perkins, Ricard, Grant, La Favorite, R. C., $1.25; 2-in., $2; 3-in., $4 per 100. Trego, Viaud, Castellane, Poitevine, Jaulin, R. C., $1.50; 2-in., $2.50; 3-in., $5 per 100. Geo. Emmans, Newton, N. J.

Geraniums, Nutt, Perkins, Buchner, Doyle, $10 per 1,000. Viaud, Poitevine, Castellane, Ricard, $12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, standard, our choice of vars., in red, pink and white, $2 per 100. Storrs & Harrison Co., Painesville, O.

Geraniums, 10 vars., 2½-in., $3 per 100; $25 per 1,000; 3-in., $4 per 100. Jos. H. Cunningham, Delaware, O.

Salleroi, 2¼-in., $2 per 100. Discount on large orders. Write for prices. Greenville Floral Co., Greenville, Mich.

Geraniums, leading varieties, extra storng 2½-in., $2.50 per 100; 4-in., strong, $7 per 100. E. R. Tauch, Marquette, Mich.

Geraniums. 6 varieties double, S. A. Nutt and others, 2½-in., $2.50 per 100; $22.50 per 1,000. The Krueger Bros. Co., Toledo, O.

Geraniums, S. A. Nutt, 2-in., $18 per 1,000. C. B. Knuth, 11801 St. Clair Ave., Cleveland, O.

Geraniums, standard varieties, 2¼-in., $2.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

The American Florist invites attention to the class of business firms in its adv. columns.

Geraniums, 2½-in., $3.50; 3-in., $5; 4-in., $8. Geo. A. Kuhl, Pekin, Ill.

GLADIOLI.

Gladiolus: Mrs. Francis King, $4 per 100; $30 per 1,000; America, $7.50 per 100; $60 per 1,000; Augusta, $2 per 100; $17 per 1,000. Brenchleyensis, $1.45 per 100; $12 per 1,000. Ceres, $1.45 per 100; $12.50 per 1,000. Mme. Monerct, $1.75 per 100; $15.00 per 1,000. "1900," $2.50 per 100. Shakespeare, $4.25 per 100; $38 per 1,000. Florist mixture, made from named light and white vars., $1.75 per 100; $15 per 1,000. Vaughan's Seed Store, Chicago and New York.

Gladiolus bulbs, over 15,000 bushels harvested. Groff's hybrid and other strains and named varieties of exceptional merit. Write for 1907 illustrated catalogue. Arthur Cowee, Gladiolus Specialist, Meadowvale Farm, Berlin, N. Y.

Gladiolus Lemoinei and Nanceianus. V. Lemoine & Son, Nancy, France.

Gladiolus, Hyacinthus candicans, spotted callas, oxalis, cinnamon vine, German iris, lilies. E. S. Miller, Wading River, N. Y.

Gladiolus America, $6.50 per 100; $60 per 1,000. Write for prices on other stock. Cushman Gladiolus Co., Sylvania, O.

GLOXINIAS.

Gloxinias. L. Van Houtte, Pere, Ghent, Belgium.

GREENS.

Greens, dagger and fancy ferns, $1.75 per 1,000. Bronze and green galax, $1.25 per 1,000. Leucothoe sprays, $1 per 100; $7.50 per 1,000. Sphagnum moss, per bale, $1.25. Boxwood bunches, 35c; 50 lbs., 7.50. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit.

Greens, bronze, galax, $8.50 per case of 10,000; green, $7.50. Dagger and fancy ferns, $1.50 per 1,000. Laurel festooning, boxwood, southern wild smilax, sphagnum moss and green moss, leucothoe sprays, etc. H. M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, cut palmetto and cycas leaves, galax, leucothoe, ferns, mosses, etc. Kervan Co., 113 W. 28th St., New York.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 53 W. 28th St., New York.

Greens, smilax, ferns, palm leaves, etc. John P. Scherer, Union Hill, N. J.

Greens, fancy and dagger ferns, $1.15 per 1,000. H. J. Smith, Hinsdale, Mass.

Greens, southern wild smilax. E. A. Beaven, Evergreen, Ala.

HARDY PERENNIALS.

Iris pallida dalmatica, a beautiful shade of lavender; the largest and most beautiful of all the German iris, perfectly hardy and free flowering; one of the good things almost lost to horticulture, $12 per 100; $100 per 1,000. Cash with order. J. A. Peterson, McHenry Ave., Westwood, Cincinnati, O.

Hardy plants. Get our prices for field-grown stock. We have one of the finest assortments of undivided clumps, also in seedlings and transplanted. Ask for descriptive list. Mosbæk Greenhouse Co., Onarga, Ill.

Hardy perennials, anemone, aster, campanula, delphinium, funkia, hemerocallis, hepatica, incarvillea, iris, peony, phlox, primula, pyrethrum, tritoma. Royal Tottenham Nurseries, Ltd., Dedemsvaart, Holland.

Moonvines, 3-in., 75c per doz.; $5 per 100; 2-in., 50c per doz.; $3 per 100. Hillside Cemetery Co., Roslyn P. O., Pa.

Sweet williams and hardy pinks, mixed, per 100, $3. H. H. Kern, Bonner Springs, Kans.

HELIOTROPES.

Heliotrope, R. C., $1 per 100; $8 per 1,000. S. D. Brant, Clay Center, Kans.

Heliotropes, 4 of the best, 2¼-in., $2.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Heliotrope, 10 vars., $1 per 100; $8 per 1,000. C. Humfeld, Clay Center, Kans.

Heliotropes, 3 kinds, R. C., $1 per 100; 2-in., 2c. Byer Bros., Chambersburg, Pa.

Heliotrope, R. C., 75c per 100; $6 per 1,000. A. N. Pierson, Cromwell, Conn.

HOLLYHOCKS.

Hollyhocks, double in six separate colors. Also the Allegheny or Everblooming strain in mixed colors, field-grown plants, $3 per 100 for either strains, Dahlias and hardy plants. Catalogue. W. W. Wilmore, Box 382 Denver, Colo.

Hollyhocks, in separate colors, 2¼-in., $2.25 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Hollyhocks, 3-in., double, white, pink, red, yellow, $3 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Hollyhocks, single, field-grown, $2.50 per 100. Byer Bros., Chambersburg, Pa.

HYDRANGEAS.

Hydrangea Otaksa Monstrosa, 4-in. pots, $6 per 100; 5-in., $2 per doz, $15 per 100; 10-in., fine large plants, $1 each. All above are pot grown. A few hundred in 6-in. pots, potted in September, 4 to 6 flowering shoots, 20c each. Cash. E. Fryer, Johnstown, Pa.

Hydrangeas, Otaksa and Thos. Hogg, 6-in., 3 to 4 flowering stems, $5 per doz.; $40 per 100; 7-in., 5 to 6 flowering stems, $8 per doz.; $75 per 100. Vaughan's Seed Store, Chicago and New York.

Hydrangeas, $6 to $12 per doz.; larger, $1.50 to $4 each. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Hydrangea paniculata, 2 to 3 ft., 15c to 35c each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Hydrangea Otaksa, 6 to 7-in., 35c to $1 each. G. Aschmann, 1012 W. Ontario St., Phila.

Hydrangeas. W. & T. Smith Co., Geneva, N. Y.

If you do not find what you need in our Ready Reference Department, write us about it.

IVIES.

English ivy, hardy, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Ivy, German, 75c per 100. Shippensburg (Pa.) Floral Co.

LANTANAS.

Lantanas, 5 vars., $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

LILACS.

Lilacs, Persian, also German white and light and dark purple, 3 to 6 ft., 25c to $2 each. Wittbold Co., 1657 Buckingham Pl., Chicago.

Lilacs, fine specimens, 12 and 14-in., $4 each. Robt. Craig Co., 49th and Market Sts., Phila.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

From Storage.

Lily of the valley for Easter, $3 per 100; $25 per 1,000; extra select, $4 per 100. Cold storage pips, $1.50 per 100; $12 per 1,000; select stock, $1.75 per 100; $14 per 1,000. H. N. Bruns, 1409-11 Madison St., Chicago.

Lily of the valley, 5-in. pots, $6 per doz.; 6-in., $9 per doz. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Lily of the valley, for forcing, $11 per 1,000. W. C. Beckert, Pittsburg, N. S., Pa.

Lily of the valley, pips, cold storage. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley, for forcing. Vaughan's Seed Store, Chicago and New York.

LOBELIAS.

Lobelias, Crystal Palace Gem, $2 per 100; Kathleen Mallard, 2-in., $3 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Lobelia, new double blue. Kathleen Mallard, strong clumps from flats, $3 per 100; 10,000 ready now. H. W. Manike, Tacoma, Wash.

Lobelia Crystal Palace and speciosa, $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

MADEIRA VINE.

Maderia Vine, large, $1.25 per 100; $10 per 1,000. Vaughan's Seed Store, Chicago and N. Y.

MOSS.

Sphagnum moss, 5 barrel bale, $1.25; 2 bales, $2.25; 5 bales, $5; 10 bales, $9.50. H. R. Akers, Chatsworth, N. J.

Sphagnum moss in burlap or wired bales. Write for prices. Vaughan's Seed Store, Chicago and New York.

MUSHROOM SPAWN.

Mushroom. Spawn. Johnson's Improved. Johnson's Ltd., 44 Bedford Row, London, W. C., England.

Mushroom spawn. English and pure culture. Weeber & Don, 114 Chambers St., New York.

Mushroom spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Ligustrum. Ibota, seedlings, twice transp., 18 to 24 ins., $5 per 100; $40 per 1,000. Ampelopsis Engelmani, 3-yr., strong, $2 per doz., $15 per 100. Vaughan's Seed Store, Chicago.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Berberis Thumbergii, 18 to 24 ins., 12 to 18 ins.; 500 red oak, 2 to 5 ft. Norway Spruce, 12 to 18 ins. Oak Hill Nurseries, Roslindale, Mass.

Nursery stock, trees and shrubs, price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Nursery stock, large trees, oaks, maples, pines and hemlock. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, arbor-vitæ (Thuya occidentalis) 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Hardy fruit and ornamental trees, shrubs, vines and perennial plants. L. L. May & Co., St. Paul, Minn.

Nursery stock, hardy Michigan trees, shrubs, fruit trees and small fruits. Grand Rapids Nursery Co., Grand Rapids, Mich.

Nursery stock fruit and shade trees, shrubs, evergreens. W. & T. Smith Co., Geneva, N. Y.

ORANGES.

Oranges, Otaheite, 6 to 15 fruits, 50c to $1.25 each. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Oranges, Kinkan. P. J. Berckmans Co., Augusta, Ga.

ORCHIDS.

Orchids in superb condition. Cattleya Mossiæ, C. Schroederæ, Lælia anceps, Epidendrum vitellinum, etc. Lager & Hurrell, Summit, N. J.

Orchids, C. Trianæ, C. Percivaliana, C. speciosissima, C. Gaskelliana, Oncidium Krameriana. Ordonez Bros., Madison, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England. New York office, room 1, 235 Broadway.

Orchids, choice assorted flowering, established, $12 per doz. Wm. Mathews, West View Greenhouses, Utica, N. Y.

Orchids, Lælia purpurata, Cattleya intermedia, C. Mossiæ. Julius Roehrs, Rutherford, N. J.

Orchids, ready in April and May. Carrillo & Baldwin, Secaucus, N. J.

PALMS.

Palms, Kentia Bel., 2½-in., $9 per 100; $80 per 1,000; 3-in., $14 per 100; 4-in., $30; 5-in., $50. Latania Borb., 3-in., $6.50 per 100; 6-in., 5 to 6 leaves, 15 to 18 ins., 60c each. Storrs & Harrison Co., Painesville, O.

Palms, Kentia Belmoreana and Forsteriana, 4-in., 18 to 20 ins., 35c; 5¼, 5½ and 6-in., 50c to 75c each. Latania Borb., 5-in., 30c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Cocos Weddelliana, 3-in., $2.50 per doz.; $20 per 100; 5-in., 4 in pot, 75c each; $9 per doz. Frank Oechslin, 2572 W. Adams St., Chicago.

Latania Borbonica, from 2-in., 3 leaves, $3 per 100. The Perennial Gardens Co., Toledo, O.

Palms. P. J. Berckmans Co., Augusta, Ga.

Palms. L. Van Houtte, Pere, Ghent, Belgium.

PANDANUS.

Pandanus Veitchii, 4½-in., $50 per 100; 5-in., 75c each; 6 and 7-in., $1 and $1.25 each. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Pandanus Veitchii, 5-in., $1 each; 5½-in., $1.25; 6-in., $1.50. Frank Oechslin, 2572 W. Adams St., Chicago.

Pandanus utilis, 2½-in., $6 per 100; 3-in., $8; 4-in., $12. Storrs & Harrison Co., Painesville, O.

PANSIES.

Pansies, a mixture of the finest strains of exhibition stock obtainable in Germany and America. Seed bought direct from the growers. Good, strong, frame grown plants, 75c per 100; $6 per 1,000. N. E. Beck, Massillon, Ohio.

Pansy plants from extra selected seed. Fall seedlings, $3.50 per 1,000. Fall transplanted, $6 per 1,000. Large plants, $10 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Pansies from cold frame, strong, in bud, $1 per 100; $9 per 1,000; 2nd size, $5 per 1,000. F. A. Baller, Bloomington, Ill.

Pansies, fall transplanted, in bud, per 100, $1.25; per 1,000, $10. A. R. Knowles, Bloomington, Ill.

Pansies, giant flowering, 50c per 100; $2.50 per 1,000. Jos. H. Cunningham, Delaware, O.

PELARGONIUMS.

Pelargoniums, 3-in., $1.50 per doz.; $6 per 100. R. Vincent, Jr. & Sons, White Marsh, Md.

Pelargoniums, $2.50 per 100. S. D. Brant, Clay Center, Kans.

PEONIES.

Peonies, 100 varieties, all classes for florists, 6 or 8 leading kinds, white to crimson, early to late, all named, $1.50 per doz.; $10 per 100. F. A. Baller, Bloomington, Ill.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Wholesale peony list for fall 1908 is now ready. J. F. Rosenfield, West Point, Neb.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies, leading vars. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunia Berkshire, R. C., $2.50 per 100; $20 per 1,000. S. S. Skidelsky, 1731 No. 18th St., Philadelphia.

Petunias, double fringed, 2½-in., ready for 4-in., $2.50 per 100; R. C., $1 per 100. The Krueger Bros. Co., Toledo, O.

Petunias, dbl., R. C., $1.25 per 100; $10 per 1,000. S. D. Brant, Clay Center, Kans.

Petunias, dbl., $3 per 100. Jos. H. Cunningham, Delaware, O.

Petunias, dbl., 10 kinds. R. C., $1. Byer Bros., Chambersburg, Pa.

Petunias, Dreer's and Henderson's, $1.25 per 100; $10 per 1,000. C. Humfeld, Clay Center, Kans.

The American Florist invites attention to the class of business firms in its adv. columns.

POINSETTIAS.

Poinsettias, good, strong stock. $4 per 100. The Krueger Bros. Co., Toledo, O.

PRIMULAS.

Primula obconica grandi. rosea, 2½-in., 50c per doz.; $3 per 100; 3½-in., 75c per doz.; $6 per 100. Frank Oechslin, 2572 W. Adams St., Chicago.

RHODODENDRONS.

Rhododendrons, best vars., $1.50 to $5 each. Pink Pearl, $3 each. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Rhododendrons. W. & T. Smith, Geneva, N. Y.

Rhododendrons. Jacs Smits, Naarden, Holland.

ROSES.

Roses, grafted, Mrs. Jardine, Rhea Reid, Queen Beatrice, $6 per doz.; 50 for $18; $35 per 100. My Maryland, 50c each; $5 per doz.; $35 per 100; own root, 2½-in., $25 per 100; $2 per 10; 3-in., $15 per doz. Mrs. Potter Palmer, $3 per doz.; $17.50 per 100; $125 per 1,000. New Rambler Newport Fairy, 2¼-in., $1 each; $9 per doz.; $50 per 100. Standard vars.: Aurora, Betty, Bon Silene, Bride, Maid, Enchanta, Etoile de France, Franz Deegen, Gen. MacArthur, G. Gate, Hermosa, Ivory, Kaiserin, Kate Moulton, Killarney, La Detroit, M. Cochet, M. Niel, Mme. Chatenay, Mme. Hoste, Mrs. Morgan, Gontier, Rosalind Orr English, Richmond, Carnot, Wootton, Uncle John, Wellesley, White Cochet, grafted, 2¼-in., 20c each; $2 per doz.; $15 per 100; $120 per 1,000. Am. Beauty, own root, 2½-in., $8 per 100; $75 per 1,000; 3-in., $12 per 100; $100 per 1,000. Own root roses, 2½-in.; Kaiserin, Killarney, Bride, Bridesmaid, Ivory, G. Gate, Uncle John, Richmond, Chatenay, Aurora, $1 per doz.; $6 per 100; $50 per 1,000; 2-in., $3.50 per 100; $30 per 1,000. A. N. Pierson, Cromwell, Conn.

SURPLUS FIELD-GROWN ROSES.

1,000 Baby Ramblers, 2 years, strong, $8 per 100; $70 per 1,000.
2,000 Dorothy Perkins, 2 years, strong, $6 per 100; $50 per 1,000.
1,000 Empress of China, 3 years, strong, $6 per 100; $50 per 1,000.
1,000 Edwin Lonsdale, 2 and 3 years. One of the best hardy, white climbing roses, $6 per 100; $50 per 1,000.
2,000 Columbia. A strong growing climber; flowers almost double, salmon pink shading to yellow at base of petals, 4 to 5 inches in diameter, $6 per 100; $50 per 1,000.

HOOPES BRO. & THOMAS COMPANY.
Maple Avenue Nurseries.
WEST CHESTER, PENNA.

Roses, Crimson Rambler, 6 and 7-in., $1 to $1.50 each; plants trained in fan and globular shapes, $2 to $6 each; specimens, $7.50 each. Lady Gay and Dorothy Perkins, trained into shapes, $1.50 to $5 each. Tausendschon, 6-in., $1.25 and $1.50; larger plants, $2 to $3.50. Standard Baby Rambler, pot-grown, 2-yr., well bloomed, $2 and $2.50 each. Baby Rambler and White Baby Rambler, $6 and $9 per doz. La France, Am. Beauty, Kaiserin, $5 to $9 per doz. Killarney, Tom Wood, Frau K. Druschki, Mrs. Laing, $9 and $12 per doz. Magna Charta, 6, 7 and 8-in., $9 to $18 per doz. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Roses, 2-yr., budded, per doz., $2; $15 per 100; Am. Beauty, La France, Frau K. Druschki, Kaiserin, Soliel d'Or, Hermosa, Paul Neyron, Gruss an Teplitz, 2-yr., budded, $1.50 per doz.; $11 per 100. Anna de Diesbach, Fisher Holmes, Magna Charta, Ball of Snow, Gen. Jacq., M. P. Wilder, Capt. Christy, Mme. Testout, Mrs. J. Laing, etc. Crimson Rambler, 2-yr., imported, $12 per 100. Dorothy Perkins, 2-yr., home-grown, $12 per 100. Philadelphia Rambler, 2-yr., home-grown, $12 per 100. White Baby Rambler, 2½-in., $8 per 100. Red Kaiserin, 2-yr. dormant, $20 per 100. Vaughan's Seed Store, Chicago and New York.

Roses, $2.50 per 100; $25 per 1,000; Baby Rambler, C. Soupert, D. Perkins, Mme. A. Chatenay, C. Rambler; $2.75 per 100; $27.50 per 1,000: Hermosa, Maman Cochet, Malmaison, Etoile de Lyon, Helen Gould, Lady Gay, M. Niel, Notting, Meteor, White Maman; $3 per 100; $30 per 1,000; Black Prince, Mme. Masson, Richmond, Kaiserin, Paul Neyron, $3.50 per 100; $35 per 1,000: Etoile de France, Gen. McArthur, Mrs. J. Laing, Helen Gould, $5 per 100. J. B. Clark, $8 per 100. C. M. Niuffer, Springfield, O.

YOUNG ROSE STOCK.

	Per 100	Per 1,000
Kaiserin, 3½-in.	$5.00	$45.00
Kaiserin, 3-in.	4.50	40.00
Kaiserin, 2½-in.	3.50	30.00
Chatenay, 2½-in.	3.00	25.00
Maids, 2½-in.	3.00	25.00
Brides, 2½-in.	3.00	25.00
Richmond, 2½-in.	3.00	25.00
Kate Moulton, 2½-in.	3.00	25.00

WIETOR BROS., 51 Wabash Ave., Chicago.

If you do not find what you need in our Ready Reference Department, write us about it.

Roses, Mrs. Potter Palmer, 2½-in., $15 per 100; $1.25 per 1,000; R. C., $8 per 100. Cardinal, 2½-in., $6 per 100; $55 per 1,000. Am. Beauty, R. C., $30 per 1,000; 2 and 2½-in., $6 per 100; $55 per 1,000. Maid, Bride, Richmond, Sunrise, Kaiserin, Uncle John, 2½-in., $4.50 per 100; $40 per 1,000. Bench Beauty plants, $55 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, bench plants, 1-yr.-old. Am. Beauty, $6 per 100; $50 per 1,000. Maid, Bride, Chatenay, $3 per 100; $25 per 1,000. Rooted Cuttings: Maid, Richmond, $1.50 per 100; $12 per 1,000. Kate Moulton, $2.50 per 100; $20 per 1,000. From 2½-in.: Climbing Killarney, $3 per 100; $25 per 1,000. Geo. Reinberg, 35 Randolph St., Chicago.

Roses, grafted, Chatenay, Killarney, Richmond, Liberty, La France, in rose pots, $15 per 100: 3½-in., $18 per 100. Brides, Maids, Golden Gate, Kaiserin, rose pots, $10 per 100; 3½-in., $15 per 100. Own root: 3-in., $9 and $7 per 100. J. L. Dillon, Bloomsburg, Pa.

Roses, own roots, summer grown, winter rested, hybrid perpetuals, polyanthas, hardy climbers and Ramblers, hybrid teas, teas, climbing teas and noisettes. See adv. for varieties and prices in this issue. Leedle Floral Co., Springfield, O.

Roses, Kaiserin, 2½-in., $4.50 per 100; $40 per 1,000. Maid, Bride, 2½-in., $3 per $100: $25 per 1,000. La Detroit, bench plants, $6 per 100; $50 per 1,000. Bassett & Washburn, 76 Wabash Ave., Chicago.

Roses, Marechal Neil, 4-in., 2 to 3 canes, 24 ins., tall, live healthy roots, 20c. Pink Cochet Franciska Kruger, 3-in., $6 per 100; all 2-yr. old. Memphis Floral Co., Memphis, Tenn.

Extra strong White La France, Duchess Albany, Pink La France, $10 for 100; 30 ins. tall, 3 to 5 canes. Memphis Floral Co., Memphis, Tenn.

Roses, 2½-in., Bride, Maid, Uncle John, Ivory, Chatenay, $3 per 100; $25 per 1,000. Sunrise, Perle, $4 per 100; $35 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Roses, 2½-in., C. Soupert, Hermosa, Baby Rambler, Maman Cochet, White M. Cochet, $3 per 100; $25 per 1,000. Storrs & Harrison Co., Painesville, O.

Brides and Maids, 2½-in. pots, $25 per 1,000. Beauties, 2½-in., $45 per 1,000; 3-in., $55 per 1,000; plants from bench, $50 per 1,000. A. C. Canfield, Springfield, Ill.

Roses, young stock, Am. Beauty, $6 per 100; $55 per 1,000. Rhea Ried, own root, $30 per 100; grafted, $35 per 100. E. G. Hill Co., Richmond, Ind.

Roses, Bride, Maid, Kaiserin, Killarney, Richmond, Wellesley, $12 per 100; $100 per 1,000. Jackson & Perkins Co., Newark, N. Y.

Roses, American Beauty, Richmond, bench plants, $6 per 100; $50 per 1,000. J. A. Budlong, 37-39 Randolph St., Chicago.

American Beauties, rooted cuttings, $3 per 100; $25 per 1,000; 2¼-in., $6 per 100; $50 per 1,000. J. F. Wilcox, Council Bluffs, Iowa.

Roses, grafted and own root, Kaiserin, Carnot, Killarney, Richmond, Liberty, Bride and Bridesmaid. W. H. Elliott, Brighton, Mass.

Roses, American Beauty, Liberty and Kaiserin, bushes; bench plants, $6 per 100; $55 per 1,000. Wietor Bros., 51 Wabash Ave., Chicago.

Extra strong Marechal Neil, 5-in. pots, 30 to 36 ins. tall, 2 to 3 canes, live working roots, 35c. Memphis Floral Co., Memphis, Tenn.

Rose Tausendschon, 3-in., 10 for $1.50; $12 per 100; $100 per 1,000. Dingee & Conard Co., West Grove, Pa.

Rose Newport Fairy. Julius Roehrs Co., Rutherford, N. J.

Roses. W. & T. Smith Co., Geneva, N. Y.

Roses. L. L. May & Co., St. Paul, Minn.

Roses. E. G. Hill Co., Richmond, Ind.

Roses. Geo. A. Kuhl, Pekin, Ill.

SAGE PLANTS.

Sage plants, good thrifty sage plants from 2-in. pots. Ready now. Price $1.50 per 100. Cash with order. Virginia Nursery Co., Purcellville, Va.

Scarlet Sage, R. C., 75c per 100; 2½-in., $3 per 100. Hillside Cemetery Co., Roslyn P. O., Pa.

SALVIAS.

Salvia Zurich, ever-blooming type absolutely true, 2-in., $1 for 25; $3, 100; $25, 1,000. Rooted cuttings, $1.75, 100; $15, 1,000. J. L. Schiller, 929 Prouty Ave., Toledo, O.

Salvia Zurich, 2-in., $3 per 100; $25 per 1,000; R. C., $1.75 per 100; $15 per 1,000; now ready. The Krueger Bros. Co., Toledo, O.

Salvia Bonfire and Splendens, R. C., 75c per 100; $6 per 1,000. A. N. Pierson, Cromwell, Conn.

Salvias, in 5 standard varieties, 2¼-in., $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Salvias, Bonfire, St. Louis, $1 per 100; $8 per 1,000. C. Humfeld, Clay Center, Kans.

Salvias, R. C., $1 per 100; $8 per 1,000. S. D. Brant, Clay Center, Kans.

Salvia Zurich, R. C., $1.75 per 100; 2-in., $3. Perennial Gardens Co., Toledo, O.

Salvia Bonfire, 90c. Byer Bros., Chambersburg, Pa.

SEEDS.

SEEDS. SEEDS. SEEDS.
Buckbee's Famous "Full of Life"
Pedigreed Strains
of the newest and best varieties Vegetables and Flower Seeds, etc.
If you have failed to receive a copy of our Spring Trade List, write for it to-day.
H. W. BUCKBEE,
Forest City Greenhouses.
Rockford Seed Farms. Rockford, Ill.

Seeds, Lettuce, Grand Rapids, ¼ lb., 30c; lb., $1; May King, ¼ lb., 40c; lb., $1.25. Cucumber, Evergreen White Spine, ¼ lb., 25c; lb., 75c; Davis Perfect, ¼ lb., 35c; lb., $1.25; Radish, Vaughan's Cardinal Forcing, ¼ lb., 40c; lb., $1.50; Improved Scarlet Globe, ¼ lb., 25c; lb., 70c; 20 Day Forcing, ¼ lb., 20c; lb., 60c. Scarlet Globe White Tip, ¼ lb., 20c; lb., 60c. Tomato, New Globe, ¼ lb., 75c; lb., $3; Comet, pkt., 25c; Sunrise, pkt., 25c. Cauliflower, Earliest of All, pkt., 25c; oz., $2.50. Vaughan's Seed Store, Chicago and New York.

Seeds, Primula obconica, the type, ⅛ oz., 50c; tr. pkt., 15c; grandiflora, mixed, 1-16 oz., $1; tr. pkt., 25c; fimbriata, 1-32 oz., $1; tr. pkt., 50c; Bright rose, 1-32 oz., $1; tr. pkt., 25c; Kermesina, 1-32 oz., $2; tr. pkt., 50c; white, 1-32 oz., $1; tr. pkt., 25c; gigantea rosea, 1-32 oz., $3; tr. pkt., 50c; gigantea Kermesina, tr. pkt., 35c. Vaughan's Seed Store, Chicago and New York.

Seeds, bean, beet, cabbage, carrot, kohl rabi, leek, lettuce, onion, pea, radish, spinach, turnip, swede, aster, balsam, begonia, carnation, cineraria, gloxinia, larkspur, nasturtium, pansy, petunia, phlox, primula, scabious, stock, verbena, zinnia, etc. Giant pansy, $5 per oz.; $1.50 per ¼ oz.; 75c per 1-16 oz. Henry Mette, Quedlinburg, Germany.

Seeds. Asparagus plumosus nanus, northern greenhouse grown, per 100 seeds, 60c; 250, $1.25; 1,000, $4; 5,000, $19.50; 10,000, $37.50. Vaughan's Seed Store, Chicago and New York.

Seeds, Primula obconica grandi, blood red, blue, carmine, pink, purple, violet, white, compacta, gigantea, fringed mixed, hybrids, separate, tr. pkt., 50c; 6 pkts., $2.50. O. V. Zangen, Hoboken, N. J.

Seeds, cyclamen, Mont Blanc, Baroness Burdett-Coutts, Crimson King, Duke of Connaught, Prince of Wales, Princess May, Rosy Morn, Picturatum, Dame Blanch, Duke of Fife, Brilliant. Primula Sinensis. St. George's Nursery Co., Harlington, Middlesex, England.

Seeds, onion, Southport yellow and red, $1.20 per lb.; white, $3 per lb. Yellow Globe Danvers, $1.10 per lb. Prize Taker, $1.30 per lb. Fine stocks sweet corn, peas and beans. S. D. Woodruff & Sons, 82 Dey St., New York.

For Sale Cheap.—Cow or Field Peas. I have several hundred bushels of each Whippoorwill and Blue Goose, and other varieties. Wire or write me for prices and samples.
J. T. Walker,
Memphis, Tenn.

Seeds, verbena, mammoth, colors or mixed, ¼ oz., 30c; oz., $1. Salvia splendens, ¼ oz., 35c; oz., $1.25; Bonfire, ¼ oz., 75c; oz., $2.50. W. C. Beckert, Pittsburg, N. S., Pa.

Seeds, Tomato, the Don, Cauliflower, First and Best. Onion Ailsa Craig. Lettuce, Ideal. Mignonette, N. Y. Market. Weeber & Don, 114 Chambers St., New York.

Onion seed, Canary Islands, Bermuda, red and white, also Crystal Wax. Kuhner Henderson & Co., Teneriffe, Canary Islands.

Seeds, Asparagus plumosus nanus, new crop, highest germination, $2.50 per 1,000. Drake Point Greenhouses, Yalaha, Fla.

Seeds, Asparagus plumosus nanus, and robustus, $2 per 1,000. J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds, peas, beans and all garden seeds, onion sets, yellow, red and white. Leonard Seed Co., Chicago.

Seeds. Lawn grass in bulk or pkts., Dickinsons Evergreen and Pine Tree brands. Albert Dickinson Co., Chicago and Minneapolis.

Seeds, Aster Miss Kate Lock, colors or mixed, pkt., 50c each. J. A. Marley, Clarinda, Iowa.

Tree and shrub seeds, domestic and foreign. F. A. Miller, 326 Nicol Ave., Fruitvale, Calif.

Seeds, all kinds. L. L. May & Co., St. Paul, Minn.

Seeds of all kinds. H. E. Fiske Seed Co., 12 and 13 Faneuil Hall Sq., Boston, Mass.

Seeds, all kinds. H. H. Berger & Co., 70 Warren St., New York.

Seeds, sweet peas. Anton C. Zvonlanek, Bound Brook, N. J.

Seeds, peas, beans and garden seeds. Leonard Seed Co., Chicago.

Seeds, all kinds. Bridgeman's Seed Warehouse, 37 E. 19th St., New York.

Seeds, pansy, 1,000 seeds, mixed, 25c; 1 oz., $2.25. H. Wrede, Luneburg, Germany.

Seed potatoes, Red River stock. Onion sets, Vaughan's Seed Store, Chicago.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Seeds, all kinds. St. Louis Seed Co., 784-786 N. 4th St., St. Louis.

Contract Growers.

Seeds, onion, lettuce, sweet peas and other California specialties, C. C. Morse & Co., 48 to 56 Jackson St., San Francisco, Calif.

Seeds, vegetables and flower French grown. High grade. Trade only. Write for contract prices. Chas. Johnson, Marietta, Pa.

Seeds, bean, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn, S. M. Isbell & Co., Jackson, Mich.

Seeds, cabbage and cauliflower. Hjalmer Hartman & Co., Stormgade, Copenhagen; 31 Barclay St., New York.

Seeds, Lettuce, onion, sweet pea, aster, cosmos, mignonette, verbena. Waldo Rohnert, Gilroy, Calif.

Seeds, growers for the wholesale trade only. Braslan Seed Grower's Co., San Jose, Calif.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seed beans. F. L. Hogue, Carpinteria, Calif. Grower for the wholesale trade only.

Seeds, garden peas and beans. Rogers Bros., Alpena, Mich.

SMILAX.

Smilax, choice young plants, fall sown. 50c per 100; $4 per 1,000. F. A. Baller, Bloomington, Ill.

Smilax, 6 ft. long, $1.50 per doz.; $10 per 100. The Lamborn Floral Co., Alliance, O.

SPIREAS.

Spirea Gladstone, 6-in., 50c each; 7-in., 75c; 8-in., $1; 10-in., $2. Pink spirea, Queen Alexandra and Peach Blossom, 6-in., $9 per doz. Robt. Craig Co., 49th and Market Sts., Phila.

Spirea Gladstone, extra nice plants for Easter, 6-in pots, 35c each. Memphis Floral Co., Memphis, Tenn.

Spirea Gladstone, 6 to 7-in., 50c to 75c each. G. Aschmann, 1012 W. Ontario St. Philadelphia.

Spireas. Jacs Smits, Ltd., Naarden Holland.

STEVIAS.

Stevia, R. C., $1 per 100. E. T. Wanzer, Wheaton, Ill.

SWAINSONAS.

Swanisona alba, R. C., $1; 2-in., 2c. Byer Bros., Chambersburg, Pa.

Swainsona alba, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

VEGETABLE PLANTS.

Vegetable plants, tomato: Mayflower, Lorrillard, Earliana, Early Jewel, Early June, 30c per 100; $2 per 1,000. Beets: Egyptian and Crosby, 20c per 100; $1.25 per 1,000. Celery: White Plume, Golden Self Blanching, 20c per 100; $1.25 per 1,000. Pepper and egg plant. 40c per 100; $2 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Lettuce plants. Grand Rapids and Black Seeded Simpson, $1 per 1,000; $9 per 10,000. B. E. Wadsworth, Box 224, Danville, Ill.

VERBENAS.

Verbenas, red, white, purple and pink, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Verbenas, $2 per 100. Jos. H. Cunningham, Delaware, O.

Verbenas, mammoth, fine large plants from soil, 60c per 100; $4 per 1,000. Hill Top Greenhouses, 15 Gray Ave., Utica, N. Y.

Verbena seedlings, mammoth mix., 35c per 100. Shippensburg (Pa.) Floral Co.

Verbenas, 2-in., nice plants, $2 per 100. The Krueger Bros. Co., Toledo, O.

VINCAS.

Vinca minor, 3-in., $4 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Vinca variegated, 2¼-in., $2.50 per 100; 5-in., $15 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Vinca variegata, R. C., 90c per 100; $7.50 per 1,000; 2½-in., $2.25 per 100; $20 per 1,000. Leedle Floral Co., Springfield, O.

Vincas, variegated, $1.25 per 100; $10 per 1,000. C. Humfeld, Clay Center, Kans.

Vinca variegata, 2 1-4-in., $2.50 per 100. Jos. H. Cunningham, Delaware, O.

VIOLETS.

Violets, Princess of Wales, 2 1-4-in., $3 per 100. Hardy English, $3. Storrs & Harrison Co., Painesville, O.

If you do not find what you need in our Ready Reference Department, write us about it.

Violets, Campbell, California, rooted runners, 50c per 100; $4 per 1,000. J. A. Burns, Frankford Ave., Holmesburg, Phila., Pa.

Violets, Boston, $2 per doz.; $12 per 100; $100 per 1,000. Wm. Sim, Cliftondale, Mass.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Allen, J. K., 106 W. 20th St., New York.

Amling, E. C., 32-36 Randolph St., Chicago.

Berning, H. G., 1402 Pine St., St. Louis.

Buffalo Cut Flower Co., 468 Washington St., Buffalo, N. Y.

Cleary's Horticultural Co., 62 Vesey St., New York.

Deamud, J. B. Co., 51 Wabash Ave., Chicago.

Ford Bros., 48 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

Guttman, Alex. J., 43 W. 28th St., New York.

Harty & Co., 1312 G St., N. W. Washington.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kennicott Bros. Co., 48-50 Wabash Ave., Chicago.

Kuehn, C. A., 1122 Pine St., St. Louis.

Langjahr, Alfred H., 55 W. 28th St., N. Y.

McCullough's Sons Co., J. M., 316 Walnut St., Cincinnati, O.

McIntyre, John, 1601 Ranstead St., Philadelphia.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

McKissick, W. E., 1619-1621 Ranstead St., Philadelphia.

Michigan Cut Flower Exchange, 30-40 Broadway, Detroit, Mich.

Millang Bros., 41 W. 28th St., New York.

Murdoch, J. B. & Co., 714 Penn Ave., Pittsburg, Pa.

Niessen Co., Leo, 1208 Arch St., Philadelphia.

N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.

Perkins & Nelson, 57 W. 26th St., New York.

Pittsburg Cut Flower Co., Ltd., 222 Oliver Ave., Pittsburg, Pa.

Pittsburg Florists' Exchange, 217-223 Diamond St., Pittsburg, Pa.

Pollworth, C. C. Co. Milwaukee, Wis.

Randall, A. L. Co., 19 Randolph St., Chicago.

Raynor, John L., 49 W. 28th St., New York.

Rice Bros., 128 N. 6th St., Minneapolis, Minn.

Robinson, Henry M. & Co., 11-15 Province St., Boston.

Seligman, John, 56 W. 26th St., New York.

Sheridan, Walter F., 39 W. 28th St., New York.

Smith & Co., W. C., 1316 Pine St., St. Louis.

Traendly & Schenck, 44 W. 28th St., N. Y.

Vaughan & Sperry, 58-60 Wabash Ave., Chicago.

Welch Bros., 226 Devonshire St., Boston.

Winterson, E. F. Co., 45-49 Wabash, Chicago.

Young, A. L. & Co., 54 W. 28th St., N. Y.

Young, Jr., Thos., 500 5th Ave., N. Y.

Young, John, 51 W. 28th St., New York.

Young & Nugent, 42 W. 28th St., New York.

Zech & Mann, 51 Wabash Ave., Chicago.

The American Florist invites attention to the class of business firms in its adv. columns.

Growers.

Bassett & Washburn, 76-78 Wabash Ave., Chicago.

Benthey & Coatsworth Co., The, 35 Randolph St., Chicago.

Bruns, H. N., 1409-11 W. Madison St., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Elliott, W. H., Brighton, Mass.

Hill, The E. G. Co., Richmond, Ind.

Jensen & Dekema, 674 W. Foster Ave., Chicago.

Joy Floral Co., 601 Church St., Nashville, Tenn.

Muskogee Carnation Co., Muskogee, Okla.

Peacock Dahlia Farms, Atco, N. J.

Poehlmann Bros. Co., 35-37 Randolph St., Chicago.

Reinberg, Peter, 51 Wabash Ave., Chicago.

Weiland & Olinger, 128 E. 3rd St., Cincinnati, O.

Weiland & Risch, 59 Wabash Ave., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

Wittbold, Geo. Co., 1657 Buckingham Pl., Chicago.

Woodrow, Samuel A., 53 W. 30th St., New York.

RETAIL CUT FLOWERS.

Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree St.

Albany, N. Y.—H. G. Eyers, 11 N. Pearl St.

Boston—Houghton & Clark, 396 Boyleston St.

Brooklyn, N. Y.—Robt. G. Wilson, Fulton St. and Green Ave.

Buffalo, N. Y.—Palmer's.

Chicago—Hauswirth Florist. Auditorium Annex.

Chicago—Wittbold, Florist, 1657 Buckingham Place.

Dayton, O.—Mathews, 16 W. 3rd St.

Denver, Colo.—Daniels & Fisher.

Denver, Colo.—The Park Floral Co.

Detroit, Mich.—John Breitmeyer's Sons, cor. Miami and Gratiot Aves.

Evansville, Ind.—The Blackman Floral Co., 402 Main St.

Galveston, Tex.—Mrs. M. A. Hanson.

Indianapolis, Ind.—Bertermann Bros. Co., 241 Mass. Ave.

Kansas City, Mo.—Geo. M. Kellogg, 906 Grand Ave.; also Pleasant Hill, Mo.

Kansas City, Mo.—Samuel Murray, Coates House Co., 1017 Broadway.

Los Angeles, Calif.—J. W. Wolfskill, 218 W. 4th St.

Louisville, Ky.—J. Schultz, 644 4th Ave.

New Orleans, La.—U. J. Virgin, 833 Canal St.

New York—M. A. Bowe, 1294 Broadway.

Omaha, Neb.—Hess & Swoboda, 1415 Farnam St.

Philadelphia, Pa.—Robert Kift, 1725 Chestnut St.

Rochester, N. Y.—J. B. Keller Sons, 25 Clinton St.

St. Louis, Mo.—Fred C. Weber, 4320-28 Olive St.

St. Louis, Mo.—Young's, 1406 Olive St.

St. Paul, Minn.—Holm & Olson.

San Francisco, Calif.—J. B. Boland Co., 47-49 Geary St.

Seattle, Wash.—Woodland Seed & Floral Co., 808 2nd Ave.

Terre Haute, Ind.—Jno. G. Heinl & Son.

Washington, D. C.—Z. D. Blackistone, 14th and H Sts., N. W.

Washington, D. C.—A. Gude & Bro., 1214 F St.

ARTIFICIAL FLOWERS.

Artificial poinsettias. J. Schroader, 2253 Ontario St. Cleveland, O.

BOILERS.

Boilers, corrugated, firebox and sectional greenhouse heating. Hitchings & Co., 1170 Broadway, New York.

Boilers, improved greenhouse boilers, made of best material; shell firebox sheets and heads of steel; water space all around (front, sides and back). Kroeschell Bros. Co., 45 Erie St., Chicago.

Boilers, the Superior improved internal fired boiler. Made in 10 sizes to heat from 2,000 to 6,500 feet of 4-in. pipe. Superior Machine and Boiler Works, 125-133 W. Superior St., Chicago.

Boilers, Myers & Co., 1122 Betz Bldg., Philadelphia.

Boilers, the Burnham boilers, made for greenhouse heating. Lord & Burnham Co., 1133 Broadway, New York.

Boilers, boilers of high grade for greenhouses. Steam or hot water. Giblin & Co., Utica, N. Y.

Boilers, steel return tubular, steam or water. Johnston Heating Co., 138 E. 31st St., N. Y.

Boilers, water tube steam boilers. King Construction Co., North Tonawanda, N. Y.

Economy hot water heater. Thomas & Smith, 24 So. Carpenter St., Chicago.

Boilers, S. A. Jacobs & Sons, 1365 N. Flushing Ave., Brooklyn, N. Y.

BOXES.

Cut flower boxes. Send for prices. Edwards Folding Box Co., Philadelphia, Pa.

BUILDING MATERIAL.

Building material, hotbed sash, cypress, unglazed, 95c each; in doz. lots, 90c; glazed, $1.65 each; doz. lots, $1.60. Pine sash, unlot, $1.55 each. Building hardware, wire and wire fencing bolts, hatchets, hammers, etc. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Building material, cypress sash bars. Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pipe fittings, and all supplies needed in new or reconstruction work. Foley Mfg. Co. Western Ave. and 26th St. Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Building material, lumber for greenhouse benches, shiplap, drop siding, sheeting flooring, white cedar posts, etc. We are in special glazed, 90c; doz. lots, 85c; glazed, $1.60; doz. position to furnish "Pecky Cypress;" everything in pine and hemlock building lumber. Adam Schillo Lumber Co., cor. Weed and Hawthorn Sts., Chicago.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouses and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress, semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 113 Blackhawk St., Chicago.

Building and propagating sands, fire brick and fire clay. Portland cement, hard wall plaster. Garden City Sand Co., Security Bldg., Chicago.

Building material for U-bar greenhouses. Pierson U-bar Co., Metropolitan Bldg., 4th Ave. and 23rd St., New York.

Building material of all kinds. S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Building material of all kinds. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn.

Greenhouse material, Louisiana red cypress, Louisiana Red Cypress Co., Hibernia Bldg., New Orleans.

FERTILIZERS.

Dried and ground SHEEP MANURE Nature's product unadulterated. For particulars address Natural Guano Co., Aurora, Ill.

Wizard brand pulverized sheep manure, large barrel, $4. The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

Ichthemic guano. in tins and bags. Fame's fertilizer, in tins and bags. Wm. Colchester & Co., Ipswich England.

GLASS.

Glass importers and jobbers; greenhouse glass a specialty. Window glass. James H. Rice, corner Michigan, St. Clair and Illinois Sts., Chicago.

Glass, greenhouse glass a specialty; also window glass. Sprague, Smith & Co., 167-9 Randolph St., Chicago.

Glass for conservatories, greenhouses and gardeners. The Johnson Glass Co., Hartford City, Indiana.

Glass. French and American "White Rose." Stenzel Glass Co., 2 Hudson St. New York.

Glass. High grade, double thick, greenhouse glass. Lord & Burnham, 1133 Broadway, N. Y.

Glass, all sizes. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn, N. Y.

Glass of all sizes. S. Jacobs & Sons, 1365 N. Flushing Ave., Brooklyn, N. Y.

Glass of all kinds and sizes. Sharp, Partridge & Co., 22nd and Lumber Sts., Chicago.

Glass, greenhouse all sizes. H. M. Hooker Co., 120-128 W. Washington St., Chicago.

GLAZING POINTS.

Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c, postpaid. Henry A Dreer, 714 Chestnut St., Philadelphia.

Siebert's zinc never-rust glazing points, 2 sizes ⅝ and ⅞, 40c per lb.; 16c extra by mail; 7 lbs., $2.50; 15 lbs., $5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburg, Pa.

Glazing points, Lord & Burnham special glazing nails (points). Lord & Burnham Co., 1133 Broadway, New York.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of greenhouses for private estates, institutions, parks, etc. Pierson U-bar Co., Metropolitan Bldg., 4th Ave. and 23rd St., New York.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 113 Blackhawk St., Chicago.

Greenhouse construction of all kinds and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Greenhouse construction, builder of private or commercial greenhouses. Frank Van Assche, Fulton and Rose Ave. and Dwight St., Jersey City, N. J.

Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction, builders of every type of greenhouses, the most modern designs. Hitchings & Co., 1170 Broadway, N. Y.

If you do not find what you need in our Ready Reference Department, write us about it.

Greenhouse construction, builders of modern greenhouses. Myers & Co., 1122 Betz Bldg., Philadelphia.

Greenhouse construction and equipment. King Construction Co., North Tonawanda, N. Y.

GUTTERS.

Gutters. Garland's gutters will keep snow and ice off your glass. A sample of our gutters is on exhibition at Chicago Flower Growers' Market. Geo. M. Garland, Des Plaines, Ill.

Gutters, cast-iron gutters. Lord & Burnham Improved V-shaped gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, New York.

Gutters. Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

HOSE.

Hose, garden, ¾-in., 4c per ft. Competition garden hose, ¾-in., 50 ft. lengths with couplings, $2. Standard grade, ¾-in., 50 ft., lengths with couplings, 3 ply. 7c per ft.; 4 ply, 9c; 5 ply, 10c. Hose reels, 75c each. Sprinklers, 25c. Chicago House Wrecking Co., 35th and Iron Sts. Chicago.

Hose "Riverton," ¾-in., 15c per ft; reel of 500 ft., 14½c per ft., 2 reels, 14c per ft.; ½-in., 13c per ft., reel of 500 ft., 12½c per ft. Henry A. Dreer, 714 Chestnut St., Phila.

Hose, 50-ft. lengths, ¾-in., 8½c; for heavy work, 12½c. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn, N. Y.

"SHOWERMAKER," $1. Jos. Kopcsay, So. Bend, Ind.

INSECTICIDES.

Tobacco dust, made from heavy Kentucky leaf tobacco. Contains a larger amount of nicotine than any other tobacco dust offered for sale. Packed in barrels of 250 lbs. each. One barrel lots at 2½c per lb.; three barrel lots, 2¼c per lb., f. o. b. Louisville. Prices will be changed as soon as stock is reduced. Axton-Fisher Tob. Co., Louisville, Ky.

Getz There insecticide soap, for mealy bug, aphis, scale, red spider and fungus. Getz There Soap Co., Conshohocken, Penn.

Fresh tobacco stems; 50c per 100 lbs.; $10 per ton. Scharff Bros., Van Wert, O.

Insecticides, tobacco paper, 24 sheets, 75c; 144, $3.50; 288, $6.50; 1,728, $35.10. Nicofume liquid, pint, $1.50; ½ gal., $5.50; gal., $10.50; 5 gals., $47.25. The Kentucky Tob. Product Co., Louisville, Ky.

Insecticides. Carman's Antipest insecticide and fungicide, $1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Fumigating supplies, vaporizing pans for tobacco extract, improved. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Tobacco stems, bales 500 lbs., $1.50. W. C. Beckert, Allegheny, Pa.

Insecticides. Nicotcide Bug Killer, the best bug killer and bloom saver. P. R. Palethorpe Co., Owensboro, Ky.

MISCELLANEOUS.

Pillsbury's Carnation Staples for mending split carnations, 50c per 1,000; can be obtained from Vaughan's Seed Store, Charles W. McKeller, Vaughan & Sperry, Henry F. Michell Co., Wm. F. Kasting Co., E. H. Hunt, or I. L. Pillsbury, Galesburg, Ill.

Engravings. Best engravings and illustrations of every description for catalogues. Send for estimates. Globe Eng. & Elec. Co., 427 Dearborn St., Chicago.

POTS, PANS, ETC.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

SUPPLIES.

Wire Work—Manufacturers of artistic florists' designs. New Price list; large discount. Pittsburg Cut Flower Co., Ltd., Pittsburg, Pa.

Supplies. Rustic hanging baskets, rustic pedestals, settees, chairs, tables, birdhouses, window boxes, vases, etc. Reed & Keller, 122 W. 25th St., New York.

Supplies. Cape flowers, cycas leaves, metal designs and all florists' supplies. A. Herrmann, 404-12 E. 34th St., New York.

Supplies. Importers and manufactures of florists' supplies. L. Baumann & Co., 78 Wabash Ave., Chicago.

Supplies, wire designs. Pittsburg Florists' Ex., 228 Diamond St., Pittsburg. Pa.

Supplies of all kinds and novelties. E. H. Hunt, 76 Wabash Ave., Chicago.

Supplies of all kinds. E. F. Winterson Co., 45-49 Wabash Ave., Chicago.

Supplies of all kinds. A. L. Randall Co., 19-21 Randolph St., Chicago.

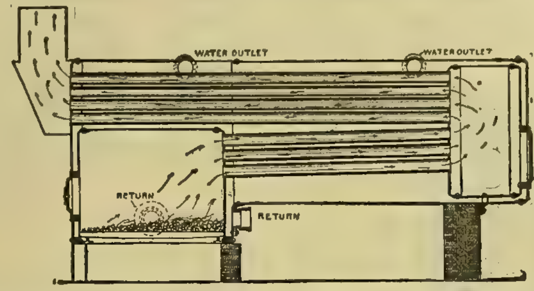
Supplies of all kinds. H. Bayersdorfer & Co., 1129 Arch St. Philadelphia.

Supplies of all kinds. H. M. Robinson & Co., 8-11 Province St., Boston.

THE SUPERIOR

Return Flue Fire Box Boiler.

Ask the man that knows. The names are yours for the asking of them.



12 of these were bought and used by one grower. 6 by another grower.

This boiler has given better satisfaction than any other boiler on the market

MADE IN EIGHT SIZES FOR HOT WATER.

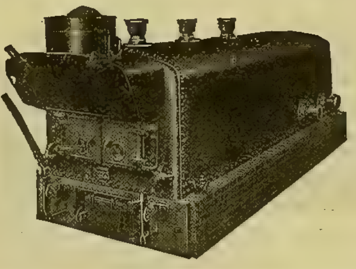
Send for new catalogue and list of growers that are using this boiler.

Superior Machine and Boiler Works, 125 W. Superior St., CHICAGO.

THE KROESCHELL BOILER

is the only perfect

HOT WATER BOILER. ☞



We manufacture every type of boiler in use, but our greenhouse boiler, because of its special construction, possesses many advantages over any other type.

Prices and catalogue on application.

KROESCHELL BROS. CO.

45 Erie Street, CHICAGO.

SAVE

FUEL, WATER, REPAIRS

HOW?

By Installing a

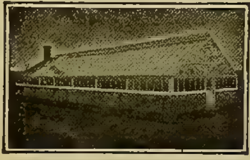
MOREHEAD TRAP

Write us for a 30 days' trial. We will place a trap in your heating system and will abide by your decision whether it pays or not. We know once you install a **MOREHEAD** you will never be without one—**Investigate it.**

MOREHEAD MFG. CO.

1047 Grand River Avenue
DETROIT, MICH.

MYERS & CO., BUILDERS OF



Modern Greenhouses

HEATING BOILERS.

1122 Betz Bldg., PHILA., PA.

ANDERSON, IND.—Mrs. J. L. Kilgore has engaged J. C. Grossman, the landscape artist who is to do the work on Maplewood and West Maplewood cemeteries, to make a few improvements in her lawn at her home on Jackson street.

RICHMOND, VA.—Mrs. Maria E. Amory, widow of E. S. Amory and mother of Wm. L. Amory, 510 North avenue, died March 27. Her son has for a number of years been engaged in the florist business in Barton Heights and Brookland Park.

—— STEEL RETURN TUBULAR ——

Steam **BOILERS** Water

WHAT F. R. PIERSON SAYS:

JOHNSTON HEATING CO., New York City.
Gentlemen—The internally fired steel boilers which you installed last fall are giving us great satisfaction. They heat very quickly and are very economical. We are exceedingly well pleased with them and they have more than met our expectations. Very truly yours, F. R. PIERSON CO.

Johnston Heating Co., 138 East 31st. St. NEW YORK CITY

Write for catalogue and prices.

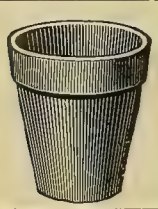
FRESH WATER

WITHOUT STORAGE—DIRECT FROM

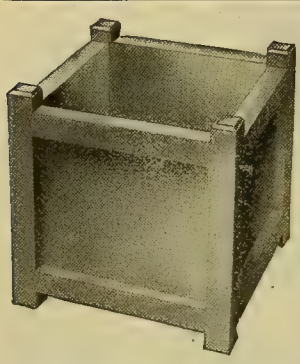
the source of supply, throughout the nursery, by using the Perry Pneumatic water system. A new and simple solution of the water problem. Write for particulars.

UNITED PUMP & POWER CO.

Colony Building, CHICAGO



THE WHILLDIN POTTERY COMPANY
THE LARGEST MANUFACTURERS OF
STANDARD FLOWER POTS
PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.



Large plants, Bay and Box trees, Palms, Hydrangeas, Agaves, etc. will soon need repotting. Use the

Mission Plant Box

If you want the most durable and appropriate box made. Very reasonable in price. Made of pine or cypress.

Write for prices.

Wagner Park Conservatories, SIDNEY, OHIO.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

Montreal.

ROSES WILL BE SHORT.

The preparations for Easter trade are in full swing and everyone expects business to be as good as last year. Stock of all sorts will be plentiful except lilies, which on some places are a total failure and are not really good anywhere. Hydrangeas will be very good; owing to Easter being so late very little forcing is necessary for them. The same holds good for roses in pots, spireas and lilacs—the later Easter is, the better the supply. The supply in cut roses will be somewhat short; they have been in good demand and at good prices all winter. Carnations are plentiful and of good quality.

NOTES.

The Gardeners and Florists' Club, at its new rooms, Sherbrooke street, held a reunion of the old boys, April 6, when a number of the oldtimers turned up, who showed surprise at the progress made by the club. The new quarters were especially admired. Wm. C. Hall furnished the refreshments, H. Eddy the entertainment.

James McKenna has been a week in Quebec, busy in the legislature, looking after the municipality of Cote des Neiges' reannexation to this city, which he carried through successfully.

A. C. Legare will be able to cut 50,000 carnations for Easter. His place looks a fine sight—a mass of bloom with no trace of disease visible.

Michael O'Reagan entered an engagement with the Knights of Columbus as manager of their estate on Mountain street.

The south shore florists suffered some loss through floods caused by an ice jam in the St. Lawrence river.

LUCK.

HOLLIS, N. H.—Geo. F. Hills has recently completed greenhouses at the Goodwin farm, where he intends raising early vegetable plants.

THE KELLER POTTERY COMPANY,
Manufacturers of FLORISTS' RED STANDARD POTS.
Azalea Pots, Bulb and Fern Pans, Etc.
Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

The Ionia Pot is the Best Pot.
That's the reason why it was necessary to double our capacity in 1907 to take care of the trade of 1908. Our factory equipment is the best. Our output is the largest.
Hand your next season's order to Uncle Sam today. Our invoice will be in your hands on his return trip.
IONIA POTTERY COMPANY, Ionia, Mich.

Standard Flower Pots!
Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500	2-in., in crate, $4.88	120	7-in., in crate, $4.20
1500	2¼ " 5.25	60	8 " 3.00
1500	2½ " 6.00	HAND MADE.	
1000	3 " 5.00	48	9-in., in crate, $3.60
800	3½ " 5.80	48	10 " 4.80
500	4 " 4.50	24	11 " 3.60
320	5 " 4.51	24	12 " 4.80
144	6 " 3.16	12	14 " 4.80
		6	16 " 4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address
HILFINGER BROS. POTTERY, Fort Edward, N.Y.
or AUGUST ROLKER & SONS, New York Agents
31 Barclay Street, New York City.

GEO. KELLER & SON,
MANUFACTURERS OF
FLOWER POTS.
Before buying write for prices.
361-363 Herndon Street,
near Wrightwood Ave.,
CHICAGO, ILL.

Those Red Pots
"STANDARDS"
FULL SIZE AND WIDE BOTTOMS,
BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'F'Y.
HARRY BALSLEY, Rep. DETRIOT, MICH. 490 Howard St.

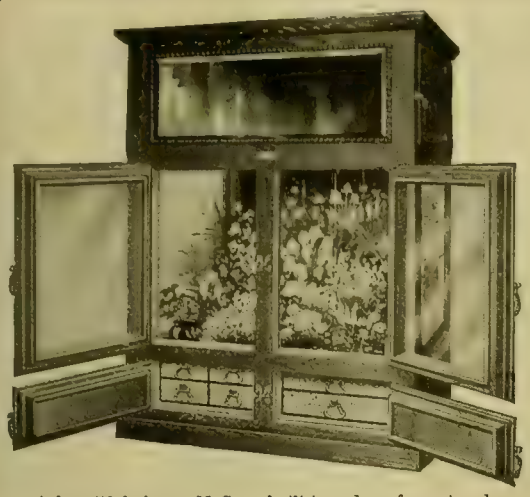
Kramer's Pot Hangers
For Sale by Wholesale Seedsmen, Florists and Supply Dealers.
Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.
I. N. Kramer & Son, CEDAR RAPIDS, IOWA.

Twin City Pottery Mfg. Co.
Minneapolis, Minn.
Plants grow best in our Porous Pots.
STANDARD FLOWER POTS, Azalea Pans, Hanging Baskets, etc.
Send your orders early.

Florist's Red Pots
OF FINELY PREPARED CLAY.
Process and catalogue sent on request.
The Peters & Reed Pottery Co, ZANESVILLE, OHIO.

Standard Flower Pots
Porosity and Strength Unsurpassed.
Write for Prices.
A. F. KOHR,
1521 Leavitt Street, CHICAGO.

Always mention The American Florist when you order stock.



A beautiful showy McCray built-to-order of quartered oak with beveled mirror and galvanized iron drawers beneath for mosses, etc.

A Successful Florist

whose stock is always fresh, fragrant and attractive, always uses a McCray Refrigerator. McCray Refrigerators have the proper system of cold air circulation, which is so strong and steady that **there can be no stagnant air** or dampness in a McCray Refrigerator. Less ice is used than in any other kind of refrigerator, and this results in a saving which pays for the McCray itself.

McCray Refrigerators

give your shop a look of elegance. They are made and finished in the most beautiful manner, and are lined with white enamel, opal glass, tile, mirrors or white marble, as you desire.

McCray Refrigerators are guaranteed to give satisfaction, and are made in regular sizes for immediate shipment, or are built to order for any requirement.

Send today for Catalog No. 71, which will show the beauty of the full line of McCray Refrigerators for flowers.

McCray Refrigerator Co., 760 Mill St., Kendallville, Ind.

Iron Reservoir Vases

AND

Lawn Settees,

Manufactured by

McDONALD BROS.,

COLUMBUS, O.

The largest manufacturers of these goods in America. Send for catalogue.

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florists' Supplies.

SEND FOR PRICES.

404-412 East 34th St., NEW YORK.

J. SCHROEDER,

— MAKER OF —

Artificial Flowers,

344 Ontario St., CLEVELAND, O.

H. BAYERSDORFER & CO.,

Florists' Supplies.

1129 Arch Street, PHILADELPHIA, PA.

Send for our new catalogue.

Mealy Bug, Black and Green Aphis, Scale Insects, Red Spider, Fungus, etc.

GETZ THERE INSECTICIDE SOAP reaches all the list and you don't have to fumigate or use tobacco dust or depend on anything but the merits of Getz There Insecticide Soap. It's cheap and does the work. We will give you directions submitted to us by leading florists and nurserymen who use it.

GETZ THERE SOAP CO., Conshohocken, Penna.

DREER'S

Florist Specialties.

New Brand New Style.

Hose "RIVERTON"

Furnished in lengths up to 500 ft. without seam or joint.

The HOSE for the FLORIST

¾-inch, per ft., 15 c.
Reel of 500 ft., " 14½c.
2 Reels, 1000 ft., " 14 c.
1½-inch, " 13 c.
Reels, 500 ft., " 12½c.

Couplings furnished.

HENRY A. DREER,
714 Chestnut St.,
PHILADELPHIA, PA.

Cattle Manure In Bags

Shredded or Pulverized

Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.

The Pulverized Manure Co.,
32 Union Stock Yards, Chicago

Wired Toothpicks

10,000, $1.75; 50,000, $7.50. Manufactured by

W. J. COWEE, BERLIN, N. Y.

Sample free. For sale by dealers.

L. BAUMANN & CO.,

Importers and Manufacturers of

Florists' Supplies

76-78 Wabash Ave., CHICAGO.

Write for our New Catalogue F. Our prices may interest you.

THE BEST Bug Killer and Bloom Saver.

For PROOF Write to

P. R. PALETHORPE COMPANY,

OWENSBORO, KY.

Carman's Antipest

INSECTICIDE AND FUNGICIDE

For the Garden, Orchard and Greenhouse

Non-poisonous and harmless to vegetation.

Kills Green Fly, Aphides, Bark Lice, Thrips, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

This is the Grower's Friend, handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. **$1.50 per gallon.** Also in quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO.,
FLUSHING, N. Y.

Increase Crops in Orchard and Field with

THE AUTO-SPRAY

It is guaranteed to be the most powerful, easily operated, economical hand sprayer made. With it a boy outworks three men with ordinary device. Used by U. S. Government and State Experiment Stations. **Fitted with Auto-Pop Nozzle** it is equal to large operations as well as small. Write if you want agency. Spraying Calendar Free.

E. C. Brown Co., 74 Jay St. Rochester, N. Y.

ATLANTIC CITY, N. J.—John Stevens, an employe of Louis Nagy, was found in an unconscious condition in a gas filled room at the rear of the latter's store recently. The affair was purely accidental and the injured man lies in a serious condition at the City hospital.

PHILADELPHIA, PA.—A permit was issued April 7, to Myers & Co. to build an iron and frame greenhouse, 83x116 feet, on the grounds of Ravenswood, the country home of Mrs. Frederick C. Penfield, formerly Miss Anne W. Walker, on School lane, Germantown. The cost will be $15,000.

SOUTH MANCHESTER, CONN. — Seth Leslie Cheney is preparing plans for the construction of a greenhouse, 10x200 feet. The house will be erected near Mr. Cheney's other greenhouses and he has also decided to enter into field work extensively this summer. He intends to do a large wholesale tomato and potato business. He has secured the services of Thomas L. Brown, of Grand Rapids, Mich, to manage the farm.

Washington, D. C., Florists' Club Meeting.

Flowers of speech vied with rare and fragrant blossoms at the annual dinner of the Florists' Club in Freund's banquet hall April 7. The horticulturists dined amid a bower of roses of every variety, lily of the valley, violets, ferns and palms. Good fellowship permeated the atmosphere, and all enjoyed themselves to full measure, the dinner being the most successful in the history of the club. The speechmaking and dining was interspersed with vaudeville, which contributed liberally to the enjoyment.

President Peter Bissett introduced the popular new incumbent of his office, F. H. Kramer. Mr. Kramer was given an ovation. He said the club has made giant strides during the past year, but, through the medium of banquets and dinners, he hoped to promote an even better spirit of good will, and increase the membership to twice the present number.

An orchestra played throughout the evening, and E. Lawrence Philips sang several popular songs. Prof. Charlamaigne Keehler, who was elected to honorary membership to the club, entertained the banqueters with a rose poem, burlesque on an Italian opera and other character work.

J. R. Freeman, the genial toastmaster, presided. He is one of the oldest and most popular members of the trade in the city and because of the fact that he is ever bubbling with wit and is a clever speaker, he can never escape the toastmaster's chair.. Wm. Gude, who presented Prof. Keehler with the certificate of honorary membership, spoke feelingly of the good fellowship prevalent in the club and heartily congratulated retiring President Bissett and Secretary Charles McCauley for their earnest and untiring efforts during their terms of office.

In presenting Mr. Bissett with a handsome monogramed silver dish, Mr. Gude said: "You will notice it is for fruit and sweet things. May it ever be filled to overflowing with the sweet things of life, which you so well deserve because of the living kindness of your life and the fruits of your labors so admirably performed. You will notice further that it is sterling. That is emblematic of the sterling thought you have given this organization and its members, the sterling good wishes, the sterling appreciation, and the undying good will of your fellow-florists." Mr. Bissett thanked the donors and wished the club continued success. Among others who spoke were Mrs. William Gude, Vice President Robertson, Z. D. Blackistone, George Shaffer, Adolph Gude, George Cook and Charles McCauley.

Syracuse, N. Y.

All are anticipating a big Easter trade and they have plenty of stock to take care of all purchasers. The usual price of 25 cents for each lily flower prevails, which makes the lilies range from 50 cents to $2.50. Hydrangeas are from $1 up, azaleas $1, daffodils, hyacinths and primroses 25 cents to 35 cents. Violets are selling from $2.50 to $3 per 100. A popular innovation is the small lilac bush in full bloom, which ranges in price from $2.50 up. Roses sell from $1.50 up.

NOTES.

Henry Morris says that his Easter stock was never better than at present. The weather has been such as to keep back the plants for Easter. Mr. Morris had a number of unusual designs for the funeral of A. K. Hiscock. Mr. Morris has just put into operation a new delivery wagon of the latest type.

At the stores of P. R. Quinlan in South Salina and East Washington streets is a splendid display of flowering plants. There are plenty of lilies, Scotch heather, roses, azaleas, hydrangeas, violets, carnations, lily of the valley and sweet peas.

Bard & Davis are doing a splendid business in the west end. A. J. B.

Cypress Hot Bed Sash, 90c

This Hot Bed Sash is absolutely brand new and first-class in every particular. We bought 5000 of them at a sale and give you the benefit of our low purchasing price. This sash is 3x6 ft., 1¾ in. thick 4 rows 7-in. glass. dozen lots, 90c each. When ordered in single lots, 95c each.
We can also furnish glazed sash $1.60 each, in dozen lots, or $1 65 each in single lots.
We offer 2,000 **Western Pine Hot Bed Sash,** brand new, unglazed, in single lots, at 90c., or in lots of one dozen, each, 85c. Glazed, in single lots, $1.60: dozen lots, $1.55.

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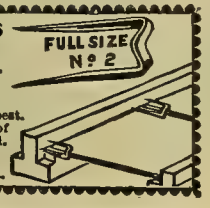

Nashville, Tenn.

OUTDOOR FLOWERS SHORT.

Easter week finds the growers in this city ready with an abundant and beautiful supply of flowers for the trade. The late Easter has made it very difficult in this climate to hold back any bulbous stock, but by using the cold storage there will be tulips, hyacinths and any quantity of lilies, which after all are the greatest of Easter flowers, and the most in demand. Flowers, except those grown under glass, will be scarce. The early spring blossoms are all done, the lilacs were killed and others are not in flower yet, so the florists will have very little to fear from this source. Orders are being booked in large numbers and promise a liberal trade with very good prices. Roses and carnations will be plentiful. There will be a good cut of American Beauty, Bride, Bridesmaid, Kaiserin, Killarney and other varieties. The Joy Floral Co. is bringing in potted Crimson Rambler roses, which proved very popular and profitable last year. Azaleas are done, but the firm will have a fine lot of rhododendrons. Joy has had great success with forced lilacs, especially the white variety. An untimely frost nipped the outdoor flowers, of which vast quanties are grown hereabouts—the white as well as the purple. The flowers were all ready to open when the frost killed the entire crop.

NOTES.

A new enterprise is being started here by a man from Chicago.. He is having fitted up in handsome style a storehouse on Fifth Ave. for soda water, confections and ice cream parlors. He is going to add a floral department, procuring his flowers by shipment and by purchase from local florists who have not uptown stores.

Geny Bros. have 3,000 lilies for Easter.

M. C. D.

SULPHUR SPRINGS, TEX.—The Ladies' Aid Society has decided to hold its seventh annual chrysanthemum show in November.

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The Allied Trades

Descriptive particulars—with drawings or photographs, if possible—of any new apparatus or device which may prove helpful to the trade are solicited for this department.

Cement Concrete Pipes.

Cement concrete as a material for pipes for irrigation and other purposes is strongly advised by G. E. P. Smith in a bulletin of the Arizona Experiment Station. The water supply is a very important point in this state and Professor Smith points out that wooden pipes are unsatisfactory in every way, tile or clay pipes are not sufficiently strong and a long haul is necessary to get them on the ground, while the cement concrete can be made by using a "lean" mixture of cement, lime paste and sand, the paste being thinned to a consistency that permits it to mix thoroughly with the sand, for the body of the pipes, and a mixture of one part cement and three parts sand for the bell ends. The comparative merits of such pipe, clay tile, and concrete, crude oil, asphaltum, and puddled clay are discussed, the cement pipe being considered to possess decided superiority in many respects, particularly for the local conditions.

Heating Carnation House.

ED. AMERICAN FLORIST:

I intend to build three greenhouses, one 28x100 and two 22x100 feet, to be used for carnations. How many feet of pipe are needed to heat the houses, and does it make much difference whether they are built from north to south or east and west? BEGINNER.

The question does not state whether hot water or steam will be used. Either would give good results, but while hot water is generally preferred for a small range, it might be better to put in steam if other houses are to be added. For the wide house, with hot water, three 2½-inch flows and ten 2-inch returns should be used, or if 2-inch flows are put in the same results can be secured with 15 2-inch pipes, of which five should be flows. In the narrow houses use three 2½-inch flows and eight returns, or using all 2-inch pipe put in four flows and eight returns.

If steam is employed take one 2½-inch flow and ten 1¼-inch returns for the wide house, and one flow and eight returns for the others. With even span houses they can run in either direction. L. R. T.

ALBIA, IA.—The shortage of water is causing serious trouble and the failure of the city to extend its mains to the Albia Greenhouses (Richey Floral Co.) is causing the firm some anxiety.

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WAUKEGAN, ILL.—L. Porter & Son announce that they will largely increase their greenhouse plant this spring.

NORTH YAKIMA, WASH.—Business in this section is very good and steady, according to Paul G. Kruger.

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

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TWENTY-THIRD YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—FRANK H. TRAENDLY, New York, Pres.; W. N. RUDD, Morgan Park, Ill., Secy.; H. B. BEATTY, Pittsburg, Pa., Treas. Next meeting at Niagara Falls, N. Y., August, 1908.

THE NATIONAL FLOWER SHOW.

CHICAGO, November 6-15, 1908.

Wm. F. Kasting, Buffalo, N. Y., is chairman of the general committee in charge. Chairmen of sub-committees follow:

EXECUTIVE AND FINANCE—Wm. F. Kasting, Buffalo, N. Y.
AMERICAN EXHIBITS—Ph. Breitmeyer, Detroit.
FOREIGN EXHIBITS—E. G. Hill, Richmond, Ind.
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The above chairmen have power to select their various committees from the general committee of 50 or the members of the S. A. F. at large.

The uncertain glory of an April day,
Which now shows all the beauty of the sun,
And by and by a cloud takes all away.

Rondeau—Violet.

Violet, delicate, sweet,
Down in the deep of the wood,
Hid in thy still retreat,
Far from the sound of the street,
Man and his merciless mood:—
Safe from the storm and the heat,
Breathing of beauty and good
Fragrantly under thy hood,
Violet.

Beautiful maid, discreet,
Where is the mate that is meet,
Meet for thee—strive as he could!
Yet will I kneel at thy feet,
Fearing another one should,
Violet!
—COSMO MONKHOUSE.

SUGGESTIONS FOR CUT FLOWER GROWERS.

Sweet Peas.

As the season advances it becomes increasingly difficult to keep the vines of sweet peas in good condition, especially if they have been flowering for some time. Where late batches were sown as recently advised the young plants will be now in good order and beginning to flower freely. These will be little trouble if the house is kept cool with plenty of air and the roots are not over-watered. Where the older vines are getting up close to the glass the strings may be lengthened and the plants given a slant, beginning at one end and tying them securely. Avoid injuring the vines lower down or the plants will be ruined. Continue to sow for succession outside on well prepared quarters and give the plants the best of attention from the first. Hoe frequently and if there is any doubt as to the soil being in good heart sow a little superphosphate of lime and soot along the rows before hoeing.

Annuals for Cutting.

Whether grown inside or out annuals for cutting must have proper care from the earliest stages and never allowed to become crowded in flats or pots. Asters must be kept quite cool now in frames where they will make stocky plants ready to go in the benches cleared of violets, carnations or other plants. The later ones intended for outside planting may be pricked off in frames or flats and well looked after. Zinnias are more tender than asters and must not be subjected to the least frost or they will be killed. Sweet sultan and scabious are excellent hardy subjects, producing long stemmed and showy flowers. Prick off the early plants and sow again for later work. Iceland poppies, though not strictly annuals, may now be lifted from the seed pans in small patches of a few plants and pricked into flats, where they will lift next month with nice balls for planting out. Sow cornflowers again, both outdoors and inside, as the flowers are always finer and of better color from young plants and the old ones can be thrown away when the flowers begin to get smaller. Hard growth caused by exposure to all the air possible and ample room are the principal requisites for all these plants now.

Stevia.

Keep the young plants perfectly cool but see that no frost reaches them. There is plenty of time to root more cuttings of this useful plant if sufficient stock is not already worked up. As the plants are ready they may be put into deep, narrow flats and these placed on a light bench in a cool greenhouse or in a frame and kept gently moving. When all danger of frost is over they can be taken outside and laid in lines about six inches apart, the spaces being filled with soil. This will save a good deal of work in watering during summer and the flats may be raised and placed on the benches in the greenhouse before there is any danger of frost in fall, covering the roots again with well decayed manure or soil to conserve moisture. The number of plants grown must, of course, be governed by the demand, but it is so little trouble to grow and so useful that it should not be forgotten now.

After Easter Work.

Now that the Easter cut is over, growers will have to decide which benches they will throw out and which will be retained up to and including Memorial day. With roses the condition of the plants will have to be considered. In most cases they will be in full crop, and will go on producing good flowers for another six weeks at least. Few of these can be spared, as the flowers will be in good demand right up to the end of June. Should there be any old benches that have ceased to be profitable, throw them out and they will come in for the first batch of young plants. Where carnations are grown inside during the summer some of the older benches will have to be thrown out shortly and young plants put out at about six inches apart, to grow into good stock for planting later. Begin at one end of the bench to dig the plants and throw them upon the surface to dry a little, when most of the soil can be shaken off. The plants can then be taken off and burned, and the soil removed. It is bad practice to leave the plants on the benches to dry out be-

fore digging, as is sometimes done, as this tends to the propagation of insects and creates a bad atmosphere in the houses. All benches, whether solid, concrete or of wood, should be thoroughly cleaned after the soil is removed. Have two men, one with a hose, with a good force of water, the other with a scrubber, to clean out all corners, and the work can be rapidly done. After they are dry, apply a good coat of hot lime-wash, to finish off any chance insects that may remain, and allow this also to dry before wheeling in new soil. All young stock of chrysanthemums, roses and carnations should be well spread out now, so that plenty of light and air reaches every part of each plant. The removal of Easter lilies and other holiday stock will have made the necessary room. When giving the plants a new stand clean over the ashes, level it and sprinkle a little soot and lime on the surface. Especial care is necessary with grafted rose stock. If the plants are placed too close they soon grow into a tangled mass, making it very difficult to pull them apart without snapping out the heads. Take advantage of the cool nights to destroy all traces of green fly and mildew, by fumigating or sulphuring, and side up things generally for a clean start for the summer.

Tuberoses.

To be successful with these fragrant flowers it is necessary to secure solid, well ripened bulbs, and they make a very useful catch crop for summer. They are grown in pots, in flats, and planted out on benches. Generally the flats are preferable, as when planted on the benches the bulbs often commence to grow before they are properly rooted, and the spikes are not satisfactory. If they are to be grown on benches it is better to pot the bulbs and place them in a cool position similar to that recommended for hyacinths and other bulb stock, planting them on the benches when then have made some root. Before potting or placing the bulbs in flats chip off all the side shoots that can be seen, as these grow later and weaken the center shoot without any corresponding advantage. The bulbs should not be buried, at least two inches of the top of small bulbs being left out of the ground and more of the larger ones. Under the benches of a cool greenhouse, where there is not likely to be a heavy drip from the plants above, is a good place to start the bulbs. Give one thorough soaking of water after potting to settle the soil about the bulbs and probably no more will be needed until they are ready to come out. A thin coating of ashes or other loose material over the soil is an advantage, but is not absolutely necessary. It keeps the soil in a more regular condition as regards moisture, preventing the surface from becoming dust dry. When the green shoots are seen starting from the top of the bulbs they are ready to be introduced to the greenhouse, giving them a low temperature at first and increasing the heat as the spikes develop. Tuberoses are not particular as to soil, a medium sandy loam, fairly well enriched with manure, being about the best for them. The foliage is very apt to be attacked by red spider and a moist atmosphere and frequent sprayings, up to the time flowers show white, are necessary to keep this in check.

ORCHID NOTES.

LAELIA MAJALIS, now flowering, is certainly the prettiest of all the Mexican lælias.

COELOGYNE CRISTATA must be kept cool and moist in a shady well ventilated house or frame. This orchid dislikes disturbance at the roots.

KEEP the dendrobiums right up to the light. The deciduous kinds, like D. Wardianum and D. crassinode, do best in very small pots or pans.

AN atmosphere well impregnated with ammonia caused by damping with manure water or sprinkling soil and lime around under the stages is fine now for cattleyas.

KEEP Cypripedium insigne growing freely now in a nice moist atmosphere

M. A. Ordonez.

but not too much heat. When the growth is finished a cool frame is the best position for the plants.

THE old method of feeling the leaves with the hand is still the best to decide when to lower the shades on cattleyas in houses where these are provided. Where no blinds are used some shade must now be put on the glass.

Two Useful Cattleyas.

Two of the most useful cattleyas of the labiata group are those illustrated herewith, C. Gaskelliana and C. Mossiæ. The illustrations were prepared from photographs sent by Ordonez Bros., Madison, N. J., and are from semi-established plants. C. Gaskelliana comes in flower at a time when cattleyas are not too plentiful, after C. Mossiæ is getting over and before C. labiata begins to flower. The plants flower upon the new growth, often twice in a season, and as it takes a good rest in winter it is usually found easy to grow. In shape and color the flowers are a good deal like those of the autumn flowering C. labiata. In fact when this old species was rediscovered some years ago, many people said it was simply a local form of C. Gaskelliana, but this has been long since disproved.

C. Mossiæ is well known as perhaps the finest and certainly the most variable cattleya in this group. Hundreds of different forms of it exist; some good, others poor, but probably there is not a variety so poor that one would think of throwing it away. C. Mossiæ flowers naturally upon the growth made the year before, though often there are two crops of flowers produced, one on the old growth that has rested in sheath during the winter and another on a new shoot produced from the base of this. It is necessary to give C. Mossiæ a light and warm position in fall to consolidate and finish up the young growth, making it hard and plump and well able to stand any slight check that may be unavoidable under winter conditions. Both these fine species do well in a temperature of 55° at night in summer rising by day with sun heat, and 50° in winter. The usual treatment recommended for the genus is suitable.

Cattleya Percivaliana Alba.

Albinos of all cattleyas are interesting and beautiful orchids and the fine white form of C. Percivaliana illustrated herewith is no exception to the rule. The plant from which the illustration was taken was found by Manuel A. Ordonez, of the firm of Ordonez Bros., Madison, N. J., about 18 miles from Carache in Venezuela. The flower is large for Percivaliana, viz., six inches across; the sepals and petals are pearly white while the lip has the usual dark markings so that, strictly speaking, it is not a true albino, though a very lovely form.

Mr. Ordonez says he found it growing where the temperature in the evening was often down to 40° and even at noon was only around 70°. This proves that cattleyas do not need the heat often given them, and, as we have frequently pointed out in this column, they do far better in a house where there is abundance of air moving night and day. Unless the writer is mistaken it was the late Dr. Percival, of Bridge of Allan, in Scotland, that this beautiful cattleya was named after, and many years ago this then famous orchidist was preaching the doctrine of cool airy conditions for orchids, and practicing what he preached in his own collection. At that time every orchid, whether from the low sweltering valleys or from high mountainous regions, were all consigned on arrival to the hot moist houses then thought necessary for orchids and hundreds of choice odontoglossums and other lovely cool species were sent to this country and to Europe only to be roasted or parboiled to death.

But these conditions have long since been improved upon and in the large well ventilated houses, such as are used for roses and other commercial flowers, the South American cattleyas and lælias find a far more congenial home. C. Percivaliana is unrivaled in the beautiful lip markings. It flowers in winter, before the bulk of C. Trianæ is in and is an excellent commercial species. If grown in pots or baskets the roots should not be overloaded with compost, and the pots or baskets should not be much larger than to take the plants comfortably and leave about an inch margin for peat and moss. The other picture is interesting as showing this plant being lowered from the tree by the collector who climbs the tree, armed with a cutlass and removes the plants.

Cattleya Mossiæ.

Orchid Collecting.

The richest orchid region on the Andean, Orinocan and Amazonian territory is practically unexplored. The expense, hardships and risks incidental to an excursion through uninhabited mountains and woods where guides are scarce, unwilling and at best unsafe, does not tempt the average collector. The exploration is therefore limited to short journeys of not more than three days and in most cases less, through the forest on either side of the generally primitive, commercial routes followed by rubber gatherers and miners.

During my 15 years' experience through the tropical solitudes from the Amazon to the Caribbean sea, I have seen less wonders than certain gifted stay-at-home explorers to whom I sent or brought thousands of orchids taken by my own hands from Brazilian, Venezuelan and Colombian trees and ledges. Although a good part of my observations are lost, because at the time I was unfamiliar with the botanical names of many of the plants collected, and could not classify them, some of my observations may prove of value to collectors.

At the beginning of May, 1892, after having waited three weeks for the complete inundation of the banks of the Rio Negro, I started from Manaos (Brazil) in quest of Cattleya Eldorado, which I found at Mucuras, near Airon, about 150 miles from Manaos. In some cases I was able to take the specimens by simply reaching from our canoe to the trees in the almost submerged forest. Some 150 miles upstream, at Prosperanza, in the neighborhood of Mora, on the mouths of the Cachoeira and Paunini I made a rich harvest of C. superba. Returning to Manaos, I ascended the Amazon to Iquitos (Peru) and from there a steam launch brought me to the Putumayo, where the 14 days' journey on muleback begins through the Caqueta region and wonderful valleys to Pasto. The Caqueta offers an abundant variety of oncidiums and epidendrums, but in the mountains of Quindio, almost unexplored, is one of the most opulent reserves of orchids. There, and not elsewhere in Tolima, as has been vaguely stated, is found Odontoglossum crispum, O. Pescatorei and many others. From the Quindio to Ibague we meet again Cattleya Trianæ and many others. C. Triane is found again at Organos, Pacarni and Carnicerias, near Neiva. From Pacarni the plants are transported to the last named town, on muleback, and then in champanes to Arrance-Plumas, near Honda, thence by rail and river boat to the coast.

From Honda I started on the long tour to the Orinoco river, two and a half days from Honda being the habitat of C. gigas Sanderiana, and Oncidium Kramerianum comes La Palma to Los Hoyos—and Los Llanos—and, with the Lælia Bogotensis from La Sauncha to San Pedro. O. crispum occurs again, although very rarely, from Zupaza to San Cayetano, at Monte Dulce. Souson today is not headquarters of the miltonias, but four journeys from that place, where a veritable garden of orchids, the greatest in Colombia, extends from Santa Rita to Yarumal and Ituango, the three bases of exploration. M. Roezlii, a number of varieties of masdevallias, Cattleya aurea, C. gigas, and Miltonia vexillaria, are there in abundance, while the high slopes of Espiritu Santo, the best port for shipment from this region to the coast, abound in C. Chocoensis.

Cattleya Percivaliana Alba.

O. Pescatorei, which I gathered many years ago, and which still grows at Fusagasuga, occurs in Valle de Jesus and Bolivar; finally at Pie de Cuesta we meet C. Mendelii. Masdevallia coccinea is to be found at a great height from Chita, through Sierra Nevada to La Uvita. On the plains of Casanaro, between Moreno and Pore, C. Schroederiana awaits the patient wanderer. My brother Miguel, who had joined me at Honda, remained at San Nicolas, the head of navigation of the river Casanare to attend to the shipping of the plants gathered after our departure from Pore. With two companions I started down the Casanare, on either bank of which flowers C. superba and others. A raft took us to Buena Vista and Guanabano on the Meta. From Guanabano we started for Cariben, where there is a basaltic rock, emerging like a huge black dome about 15 feet above the highest level of the river, and around which the waters whirl with awe inspiring force. The remainder of the trip to Bolivar, where we arrived in June, 1893, is made on river steamboats.

My wanderings in the center of Venezuela began at La Guayra. There, not far from Macuto, I found three varieties of cattleya with very long bulbs. The flower of one of them was deep violet, not unlike C. superba. C. speciossisima assigned in a recent article to the Cuspenera cordillera I did not find until Chichiriviche, at the cocoa plantation of C. Ponte and from there up to the surroundings of Valencia through the Sierra Costanera a name not easily misspelled by the collector who ever crossed those mountains. From Valencia to Tocuyito reigns C. Mossiae, and I found a specimen weighing about 300 pounds near Bocono, in the Trugillar Andes. From Tocuyito to Timotes C. Percivaliana can be gathered in great quantities. This region, as far as the frontier, is rich in oncidiums. A revolution was going on at the time and not only interfered with my visit to that interesting section, but caused the loss of a good part of my collection. In the eastern region the long trip across the plains was well repaid by the sight of that earthly paradise known as the valley of San Antonio. Between Cumanacoa and that beautiful and bountiful valley Clivell, C. Gaskelliana, Chysis maculata and some natural hybrids are obtained.

MANUEL A. ORDONEZ.

Oncidium Sphacelatum.

This is an old and half forgotten orchid, but we recently noted some fine old specimens in flower and the grower said he found the flowers most useful for cutting. It produces long stiff stems of yellow flowers that last well in good condition for quite a long time. It is of the easiest culture and the plants noted were growing in an ordinary greenhouse. It likes plenty of moisture while growing but a good rest after the bulbs are complete is necessary. O. altissimum is a similar plant and the two are sometimes confused though quite distinct.

Collecting Orchids in Venezuela.

THE ROSE.

THE pretty rambler, Tausendschon, does not relish hard forcing.

LADY GAY is a beauty and has now an assured position as a first class forcing rambler.

EXPERIMENTS with hydrocyanic-acid gas for fumigating roses have not been so successful as with other plants, the tender young foliage being injured in most of them.

CULTURAL NOTE.—Keep greenfly in check from now on, or it will be almost impossible to destroy it. Also, under the present early warm weather conditions, fight red spider good and strong and do not let the soil in the benches get dry on the bottom. Have a good force of water on and syringe without getting too much water on the soil unless it is in condition to stand it. The plants from now on will stand a large quantity of feed, if in the health they ought to be. Give all the air possible every day and do not sap the strength out by too much heat.

Preparing the Compost.

Very often when the grower has a comparatively small range of glass he prefers handling his soil for indoor planting in spring. Although we are, as a rule, busier at this time than at any other season, the preparation of the soil in the spring has its advantages, for the soil is fresh and the manure full strength, and owing to this we can rest assured that our plants are going to derive full benefit of a proper starting condition after planting. The proper soil for the rose house compost, has often been noted in these columns, but for the inexperienced grower it may be advisable to go over the ground again.

In the first place, the soil for roses in general should be of a clay nature, and should be taken from ground that has held a heavy set of grass for several years; a good sod is what is needed to add fiber to the soil. American Beauty being grown principally on own roots will require a strictly stiff clay soil. The same soil will do equally as well for any of the standard novelties, such as Bride, Bridesmaid, Killarney, Mme. Chatenay, etc., our indoor forcing sorts.

Choose a convenient location for ricking up the soil near the houses to be filled; and see that there is fall enough to the ground to carry off any water that would otherwise soak into the compost after stacking it. Use the manure from grain fed cattle, if possible, and, for rose soil, no horse manure should be used at all. Sheep manure is good and can be used in connection with the cow manure, but stick to the cow manure for results. The manure should be turned several times before using and left piled up parallel to where the soil is to be stacked. When taking the sod, the ground should be plowed about six or eight inches deep, according to the depth of the soil, and at a time when the ground is wet enough to keep the sod from breaking up. Soil in this condition can be loaded quickly and there will be very little shoveling to do. Haul the sod immediately after plowing, and employ enough help at the compost end to stack the soil as fast as it is being hauled. To start the compost place a layer of sod grass side down, making the rick a convenient width to work at, say 12 or 14 feet wide; use the best sod at the edges and build up, say a six or eight-inch layer of soil. On top of this sow some good ground bone, about a 3-inch pot full to two square yards. On top of the bone a little of the loose soil should be put; just enough to cover the bone lightly. Now put a layer of manure, about the same thickness as the layer of soil, or to be more exact, the soil should be mixed three parts soil and one part cow manure, if the manure is extra strong. If swill manure is used (a very poor article) use one-third manure, two-thirds soil with the addition of the ground bone in either case, as stated above.

Pile the soil so that it will come to a point at the top and it can be piled six to eight feet high if necessary; the rounded top and sides will carry off much of the rain, if piled outdoors. A temporary shed or cover of some kind arranged to keep the soil dry will more than repay the trouble and expense of building same, for there is nothing more detrimental to the plants than to plunge them into wet soil in the houses. After the soil has been stacked for two or three weeks it should be chopped down and turned, fining it as much as possible, and again ricking it up. It should be turned as frequently as possible before carrying it in the houses, or at least three times. One should use considerable judgment in mixing the soil from start to finish, and have the mixing done as uniformly as possible, using the same quantity of ground bone, etc., on each layer. Now, the soil I have described here, the heavy clay variety, is particularly adapted to plants grown on own roots. When grafted plants are used, the soil should contain some grit or sand in its composition. At least we have found this desirable for plants grafted on manetti, and to test this, one can try some grafted stock potted in the extra heavy soil and some in the same soil to which has been added some sharp sand. The grafted plants are free feeders usually, and manetti roots freely and seem to like a rich open soil requiring plenty of water. It is now time to get at this work and wind it up before the full rush of the spring work strikes us.

E.

Insects in Rose House.

ED. AMERICAN FLORIST:—

Under separate cover we are mailing you a sample rose plant and some soil in which the stock is planted. You will notice that the soil is filled with a sort of small white ant; these ants seem to eat the plants off at the base, and cause them to die. We have just planted a house with these for fall flowering and the ants already have taken about one-fourth of them. Can you suggest any means by which we can kill them? An early reply will be appreciated.

L.

The soil, as your correspondent "L.," Iowa, has noted, contains specimens of the common white ant (Termes flavipes). The roots and the base show considerable girdling. It is an unusually interesting occurrence as, although reports of injuries to greenhouse plants, trees and bushes, are not rare, this is the first instance of such injury to a rose to my knowledge. The writer has had considerable success in the treatment of white ants by puffing buhach, or pyrethrum insect powder, into the holes from which the insects were issuing when the winged forms appeared for flight. This powder benumbs the insects so that they can easily be destroyed by trampling or can be brushed up and burned or thrown into hot water. Where it is possible to pour hot water into the galleries of this pest without injury to plants this is a good remedy. I would be glad to hear from your correspondent as to whether the insects have not bred from decaying wood of the benches or other material in the greenhouse and of the success of the remedies which he employs.

While confining their work almost solely to moistened or decaying timbers or vegetable material of any sort, and books and papers that are somewhat moist, termites are known to work also in living trees, carrying their mines through the moist and nearly dead heartwood. In this way some valuable trees in Boston were so injured as to make their removal necessary. In Florida these insects have been the cause of considerable damage to newly planted groves of orange trees, working around the crowns and in the roots. The damage has been chiefly noted in recent clearings where a good deal of rotten wood still remained in the soil, this accounting for their presence. These insects are sometimes also the occasion

CATTLEYA GASKELLIANA.
Newly Imported Plant Carrying 15 Flowers.

of considerable injury to other trees; and quite recently the writer received information of injurious attacks on pecan, chestnut, and walnut trees at Augusta, Ga. They also cause loss in conservatories, attacking cuttings and the roots of plants. Such injuries have been brought to our notice several times by florists, and D. Chittenden, of this office, informs me that white ants are apt to attack the large stems of herbaceous plants like geraniums. In greenhouses the termites usually originate in the more or less decayed woodwork of the building itself or the plant benches, and they have even been found working in label sticks, the removal of which gave relief from the damage done to plants. In one instance, also, the termites, coming from the wooden benches, entered potted plants through the drain hole of the pots. In prairie regions their work is necessarily on the roots and tubers of plants or the stems of grasses or other low-growing plants.

The presence of flying termites in a building at any time in the spring or summer should be followed immediately by a prompt investigation to determine the extent of the infestation and the possibilities of further damage. The point of emergence of winged individuals may approximately, though not always, indicate the location of the infested timbers, and if these can be replaced injury may be checked, or, under favorable circumstances, stopped. In some cases thorough and repeated drenching of infested timbers, where accessible, with kerosene or some other petroleum oil will afford relief, but probably will not stop entirely the work of the termites, which are constantly recruited from some central colony probably distant from the building. The destruction of winged individuals as they emerge is of no value whatever.

C.

THE VIOLET.

MARIE LOUISE under some one or other of its various names is the most popular double violet in the world.

NEW and improved varieties and cultural methods will do much to reinstate the white violet to some measure of popularity but the purple will always be the standby in this flower.

SPOTTING of the leaves arises from various causes such as sunburn, fungus troubles and others. Don't lump them all under "spot" and seek a panacea. Find out where the trouble lies in each individual case and try to remedy it.

Notes in Season.

Where Marie Louise and similar varieties have been grown indoors for years and their constitutions have become weakened it may be well to try the effects of outdoor summer culture. To ensure success the soil must be good, the position open and the plot used will have to be near the water supply so that the hose can be freely used in summer. It is useless to expect results from planting in rough soil in the field where little attention is given but there is no good reason why outdoor culture should not succeed in many localities where it is not practiced. If proper care is taken in dividing up the old plants the strongest divisions need not go to the propagating bench, but be planted right out at once. As room is likely to be scarce in these beds near the water supply let the plants be set out nine inches apart. This will leave room for cultivation; the plants will have room to spread sufficiently and yet allow a good circulation of air between them.

SWEET PEA FLORENCE DENZER.

For planting outside the divisions should be a little larger than for inside planting—that is only the strongest should be planted out direct, the weaker ones being used inside or at least grown inside for a time until they gain sufficient strength to go to the open. For this purpose they may be planted on benches at about four inches apart and, when well rooted and growing freely, carefully lifted and taken to their outdoor quarters. We noted some time ago a lot of choice young plants that had been raised from cuttings made of the runners pulled off in autumn and these would make perfect stock for the purpose indicated. Should the soil be heavy or close a little gritty material should be worked in as the preparation proceeds and some arrangement must be made for protection until all danger of severe frost is past.

For growing under glass, propagation should now be in full swing. Dig the plants and shake the most of the soil from them; then lay them on the surface of the beds or take them to the shed for division. The old hard center of the plant can, in most instances, be thrown away and there will be plenty of vigorous young shoots all around it. The more the plants can be kept to single crowns the better, all runners starting being pinched out from the divisions. Where fresh young roots are seen starting directly under the crowns most of the older roots can be dispensed with as these are slower in getting down to work than the fresh, growing points. Do not allow the divisions to lie about in a draughty shed or on the benches but let them be planted at once and watered in as soon as planted. A light shade will be necessary to keep the house cool until the full air can be admitted as a closer atmosphere is advisable for the first two weeks after planting.

It has become too much the custom to say that violets cannot be grown in certain localities simply because some one has tried and failed. Disease, as often as not, is the outcome of careless, ill-considered methods of culture, dirty houses and overwatering. The violet is practically a hardy plant and will not be forced. It must have ample light and air at all times and seasons and, to obtain best results, should be so propagated that practically a new plant is produced annually. The plants must be kept absolutely free of insects at all times. Red spider will, in a short time, ruin the most promising crop while a damp, close atmosphere at any time, excepting as noted above for a week or two at the start, leads to thin enfeebled foliage that falls a prey to the first insect or fungoid pest that happens around. Keep the plants hard and clean

constantly by admitting all the air possible and giving them practically outdoor conditions all the year around and there need be no fear as to results. The single varieties are not particular as to soil but Marie Louise, Farquhar and doubles generally like a good holding loam.

Sweet Peas.

A paper read by Wm. Sim, Cliftondale, Lynn, Mass., before the Gardeners' and Florists' Club of Boston, April 21.

The sweet pea, which is the subject I am going to say a few words on to-night, is one of the staples in cut flowers, ranking in this respect next to the violet. I will not go into the ancient history of the sweet pea, but confine my remarks as much as possible to the winter or early flowering section, the advent of which I think is within the memory of the youngest member here. It is only within the past 10 or 12 years that the sweet pea has been placed before the people in the winter months. By growing the old varieties under glass it was only possible to have them at the most five months of the year. With the advent of the early flowering section it was made possible to cut flowers all the year. The first sweet peas I grew under glass were such varieties as Blanche Ferry, Emily Henderson, Katherine Tracy, Countess of Radnor and Emily Eckford. These are of the late or summer flowering section. These varieties when sown under glass in August would not come into bloom until the end of the following April, and seed sown in January would flower as early as that sown in August. They have a season of flowering and will not flower before that time no matter when the seed is sown. The early flowering sweet peas are just the opposite in this respect, for in many cases they commence to flower when only a few inches above the soil, and, if sown in July, they will flower in August. They make a very poor growth in summer and do not do so well as the late varieties. In the winter months, however, they make a very strong growth, and while making this growth they flower, and I feel safe to say that the flower produced then is far superior to the late flowering varieties.

ORIGIN.

The origin of the winter flowering sweet pea is something that seems to be a mystery. There are several who claim this distinction. A. C. Zvolanek of Bound Brook, N. J., is one who claims to be the originator. He claims that he made his first experiments 25 years ago, but did not succeed until he made a cross with the European vetch. In January, 1892 he found some of the plants producing flowers which were small in size, and the plants only attained the height of two feet, but by crossing and recrossing, a strain producing large flowers on long stems, and growing six feet in height, was secured. At this time Mr. Zvolanek was not in business for himself, and raised them mainly for pleasure, and gave seed to any of his friends who wanted some. While in the employment of Thomas Young of New York 1895-6 he had two houses of Christmas Pink. If this story is correct it shows that he must have had them about the time he states in order to get seed enough to plant two houses in 1895. This was three years before it was put into commerce by Burpee.

The origin is also claimed by Thos. Gould of Ventura, Calif. This is the variety sent out by Burpee as Earliest of All in 1898. If I am right I think this strain of Mr. Gould's was first seen in flower among plants of Blanche Ferry. In 1898 Mr. Zvolanek started with Emil Leuly of West Hoboken, N. J., and had at that time six houses of Christmas Pink and Florence Denzer. Now there is no difference between Florence Denzer and Mont Blanc. They are the same in every respect. Benary, of Erfurt, Germany, sent out Mont Blanc, I think in 1902, or four years after Mr. Zvolanek was raising it in Hoboken. No doubt if Mr. Zvolanek would again cross with the vetch the old varieties, and secure an early flowering strain, his claim would be substantiated. He has promised to do this.

SPORTS.

Many claim these varieties are habit sports, that they produce flowers identical to the late varieties that they sported from. I do not believe they do sport myself, for I have grown a great many both inside and out, and have never had one sport with me. Mr. Zvolanek, who has raised practically all the winter flowering varieties, says he has never had one sport with him. Mr. Zvolanek raised Christmas Captain as a result of a cross between Captain of the Blues and Christmas Pink. A grower in England claims Captain of the Blues sported with him from the late to the early type, but I believe this was only a stray seed of Christmas Captain which had in some way got among his Captain of the Blues, for he was growing seed of Mr. Zvolanek's at the time. I think the cause is apparent. It is also possible that if he were growing the two types side by side cross fertilization may have taken place, and the early flowering one may have been the result. It is claimed by some that sweet peas do not mix, but the more I grow of them the more convinced I am that they do mix more or less. There is not one variety I grow but what quite frequently exposes its pollen and pistil, so in this case what is there to prevent insects or flies from carrying the pollen? Some claim these are deformed flowers and would not go to seed anyhow, but this is not the case, for if they are left on the plants they go to seed every time and produce fine seed. I am told this is far more marked on the seed farms in California than in a greenhouse. I believe the early sweet pea is the result of a cross between the old type and some other species. I do not believe the late sweet pea can sport from the late to the early flowering, and will only believe so when I have conclusive proof that this is the case. Many growers, seeing some variety they imagined they sowed without examination, immediately call it a sport. They do not stop to consider that there are many ways of that seed getting there. The seedsman and seed grower cannot always prevent the seed getting mixed.

TYPES.

There are three types of the early sweet pea, the wavy or Spencer type, the common type with the broad straight standard, and the incurved or hooded type. As yet the Spencer type seems to me a little soft for commercial purposes, but this fault may be remedied in new varieties. The standards which are wavy, have not got the strength of the common type, and fold together when the flowers are bunched, in such a way as to make them look small, although the flowers are larger than the common type. The common type although not so large as the Spencer is the best for commercial purposes; their stiff straight standards do not fold together, and the flowers remain open. The incurved or hooded are the least desirable; their flowers look small beside the ordinary type. They, however, have very long, wiry stems, and some of the best fancy varieties are of this type. They are also very strong growers.

HYBRIDIZATION.

Most of the varieties with the exception of the ones sent out first are the results of crossing the early and late varieties together. This is done at the time the two types are in bloom together. Mrs. Charles Totty, Mrs. Alexander Wallace, Mrs. George Lewis, Christmas Captain, W. W. Smally and a number more are the results of crossing the two types. Varieties raised by crossing the early type with the same type are usually weak growers. It seems to take the blood of the late varieties to give them constitution. I noticed this the past winter on a batch of recrossed Christmas; this was Christmas crossed on the late flowering Blanche Ferry. There was about 50 per cent of the old type among them, but the early flowering ones were very much stronger and produced stronger flowers on longer stems than Christmas and grew three feet higher.

STRAINS.

There are now strains of these peas in England, Germany and Algeria. I am unable to give much information about these as I have never managed to get any of the seed. I have seen the Algerian strain growing at Mr. Zvolanek's; they were not in flower then, but the growth and habit was identical to what we have here. He later sent me some of the flowers. They were of very poor color and variety, in fact they were certainly 10 years behind what we have here now. Flowers of the English strain resembled the Algerian strain and Mr. Zvolanek says they are the same varieties or mixture he sold five years ago to the firms who are selling the seed. It is very hard to hold the stock of any one variety by the raiser, because it is sent to California to be grown along for seed, and while there the seed can be carried from one place to another.

SWEET PEA SOCIETY.

What we need here now is an American Sweet Pea Society, for, at the present time, there is nothing to prevent any one from selling sweet peas under any name he pleases. We have Earliest of All, Christmas Pink and Xmas Pink. These three varieties are the same in every particular. The selected Earliest of All is earlier than the others, but the flowers of all three are identical. There

SWEET PEA LA MARQUIS (PURPLE).

is Mont Blanc and Florence Denzer; these two are identical. There is also Zvolanek's Watching, Burpee's Earliest White and White Bird; these are all identical. We have Flamingo and Christmas Red, these are identical, and Sunbeams and Canary Bird are identical. Aside from keeping the names straight it would stimulate the growing of sweet peas, and no doubt many would go into the improving of them in the way the carnation men have done with the carnation. If a number would get together with this in view it would be hard to predict what the sweet pea would be like 10 years from now. Just fancy what an exhibition you could have if a number got together and did as the carnation men have done. The sweet pea is everybody's flower, being within the reach of all. Thus far Mr. Zvolanek seems to be about the only one to improve this class. Only a few years ago the first of this type was seen; now he has practically all the colors seen in the late varieties. I think great credit is due him for what he has accomplished. Putting aside Christmas Pink, Mont Blanc and Sunbeams he has raised practically all the other varieties now in cultivation. He is doing for this type of peas what Henry Eckford, in England, did for the late flowering section.

CULTIVATION.

To grow the sweet pea to perfection under glass you must have a greenhouse suitable for the purpose. It should be at least eight feet high on the sides, four and a half feet being glass. Mine are seven feet and I find the side rows strike the glass when the vines are about half grown, thereby giving me half a crop. My center rows are about right, they are 12 to 15 feet high. The higher they grow the more and better flowers you get. We plant the rows five feet apart and in a line with the supports of the greenhouse. The uprights are 12 feet apart, so in supporting we run twine from one support to the other on each side of the row. This I have found the best method of supporting. I have tried wire netting. This is only a nuisance as the vines do not cling to the wire, which causes just as much tieing as if it were not there. It often causes injury to the vines as a sweet pea stretches many times more than a foot in developing; if held back by anything in growing the growth looks like a spiral spring, and picking the flowers is made very difficult. The side rows are planted five feet from the sides of the house, and all the heating pipes are on the sides. They are very susceptible to red spider, and, as they will not stand syringing, the further you can afford economically to have them from the pipes the better. We have not changed the soil in the houses since they were built four and five years ago, and we find the vines are getting more vigorous each year. In the same soil a crop of tomatoes and violets are harvested each year. The soil was originally 18 inches deep, but by the application of manure each year the depth is now two and a half feet. The tomato crop is on the wane the middle of August. When these are cleaned out we trench the house over as deep as the soil, bringing the bottom soil to the surface. In the bottom of the trench we put three inches of decomposed cow manure; one foot from the surface we put on three inches more of the same material. The house is allowed to remain in this state until near time for sowing the seed. The soil is then usually very dry so we ram it down enough to cling together while the house gets another fork over. This time we go down one foot and mix the top layer of manure with the surface soil. We then make the surface as near level as possible, and thoroughly water the soil, giving enough to penetrate the entire mass with a strong dose of liquid horse manure. In about three days, depending on the weather, the house will be ready to plant.

SOWING THE SEED.

We sow the seeds about one and a half inches apart. We make the drills one inch deep and do not allow more than one inch of soil over them. We do not pull any more soil towards the root as is often recommended, but let it remain level. If more soil is pulled around the base of the plant, stem rot is sure to follow. We do not water the plants again until they are up about three inches. Of course, they can be grown on a bench with a few inches of soil but the results will be just what you make them: a weak growth and a crop of short stemmed flowers. These soon play out as there is not enough soil or food for the vines to live on. They may be made to flower any time you wish by increasing the temperature, but the best results are obtained by growing at a temperature just above freezing until the buds can be felt in the crowns of the plants. Then the temperature should be gradually increased, say one degree a night, until you reach 48°. This, I think, is about right although in midwinter I think they move a little better at 50°.

SWEET PEA MRS. ALEX. WALLACE (LAVENDER).

As the days lengthen a little cooler temperature seems to suit better. A rise of 10 to 15 degrees should be given during the day in sunny weather. In spells of cloudy weather 55° is high enough during the day. If a high temperature is given in dark weather the growth gets soft and wilts when the sun comes out bright again. While the plants are young they should be regularly fumigated so that there will not be a sign of lice when they commence to flower. If they are clean at this stage it will not be necessary to fumigate while they are in bloom. It is impossible to sell sweet peas that smell of tobacco. Tobacco also bleaches the flowers of some varieties, and makes them look like some other variety. We sometimes hear of trouble from buds dropping. This is more the case in midwinter than at any other time and is

caused by too cool a temperature or a sudden chill, or too much water. Should a house be allowed to go near the freezing point in midwinter the wholesale dropping of buds will be sure to follow. Diseases have not shown themselves with us. Sometimes we see a plant that looks stunted with yellow streaks in the foliage. This we have attributed to too rich soil or the roots striking manure that was not thoroughly decomposed. They take an abundance of water in the flowering season but require very little in the early stages of growth. They should be provided with proper drainage so that if too much water is given it will settle into the subsoil, and no bad results will follow.

TIME OF FLOWERING.

I find in experimenting with the newer varieties of peas that some come into bloom ahead of the others. Take reselected Earliest of All and Watchung for instance. These two will come into flower fully two weeks ahead of the other varieties, and for early purposes they are a fine pair to grow together. They are both black seeded. These will flower in October if sown in August and will be in full crop for Thanksgiving. For a later crop I prefer Christmas Pink and Florence Denzer. These are the peers among sweet peas at the present time. Denzer is two weeks later than Christmas Pink and is white seeded. It should be sown in sand and transplanted into flowering quarters at the time the seed of Christmas Pink is sown. They will then commence to flower together. There is now quite a demand for some of the fancy varieties. These sell best in the spring, but will soon get into demand all winter. They are something new and the people are a little sceptical about buying them. They will, however, find a ready sale once there is enough of them around to attract attention. Among the new varieties I think Mrs. Charles Totty the best. It is the same shade as Countess of Radnor, and is a very strong grower, having two foot stems. W. W. Smalley comes next. This is a shade of satin pink. It is a fine seller but a trifle short in stem. Mrs. Alexander Wallace is a good one. The color is dark lavender and sells well. Mrs. Wm. Sim sells well; the color is salmon pink. It produces very long stems, many being two feet in length. The improved Mrs. F. Dolansky I have great hopes in. It is the color of an Enchantress carnation. A limited quantity of Le Marquis and Christmas Captain can be sold. Both are purple shades. The same may be said of Blue Bird, Mrs. Eddy Wild, deep crimson, but the flowers are small in size and the stems rather short.

A WARNING.

To those who are contemplating growing sweet peas the one important thing is to have the right seed. You may get your house in the best possible condition, yet, without the right seed, failure is sure to follow. Many seedsmen are selling seed of the early varieties, which is not true. Very few seedsmen know that there is any difference between the two, and substitute with the late varieties. Not a winter passes but what some poor grower gets hit hard in this way. He sows his seeds. They start fine and grow well, but he gets no flowers. He is paying high for his experience. I will tell you an experience of my own to show what harm can be done in not knowing what you are planting: A few years ago I planted a house with Earliest of All. I bought my seed from a reputable seed house. This turned out to be the best house of peas I had ever sown.

The seed was all true and to be sure of seed for the following year I bought seed again from this same firm with the assurance that it was the same as I had bought the preceding August. My intentions were to build another greenhouse and raise two crops, one for early, the other for late cutting. The house was built and put into the best possible condition. The seed was sown in August and all came up in fine shape. They grew lovely, but somehow or other they did not look right to me. The vines looked too heavy and strong. I, however, did not like to disturb them and I let them grow. The other house was planted the middle of November after a crop of mid-season chrysanthemums. I procured the seed for this house from another source. The beginning of March they commenced to bloom and by April 1, $2,000 worth of peas had been sold from this house. The other house did not commence to flower at the beginning of April. The vines had reached the glass and were pulled down several times. It was then deemed advisable to clear the house out and consign the vines to the rubbish heap. This was done after keeping the house, which was 30x360 feet, at a temperature of 50° all winter long. I was out by this deal $6,000, this being based on the product sold from a house of similar size the year before. I mention this to show the seedsman what a great injury can be done by selling something that is not true to name, and to the grower to be doubly sure before he risks too much space in something he is in doubt about. The safest way is to procure your seed in advance and test it yourself. Sow some of it, and if the plants grow strong and stocky and bush round the base of the plant you have the wrong sort for winter flowering, but if the plant runs up to a single stem and does not bush you have the right kind. The early types very seldom break near the ground. The one shoot forms practically the whole plant. Some side shoots are made but these never attain the strength of the main shoot.

CHRISTMAS PINK, FLORENCE DENZER AND THE ZVOLANEK CUP.

THE RETAIL TRADE

THE trailing arbutus is a good seller.

WHITE VIOLETS have been very popular for ladies' wear in New York.

YELLOW CHRYSANTHEMUMS were among the Easter flowers in Chicago.

A LARGE healthy palm is one of the most attractive plants for a good store.

SOME New York retailers now employ sandwich men in advertising their business.

THE bamboo folding canopies are very useful for wedding decorations, saving a great deal of time and labor.

THE very pale tinted and white mats should not be exposed too freely as they soon get soiled. The darker colored ones are less easily damaged.

THERE is a big profit in the many little nick nacks of baskets, filled with ferns, especially where there is a greenhouse in connection with the store.

Decorated Azaleas.

A little time and money spent on decorating azaleas pays well. A customer will often pass by well grown and well flowered plants, and pay little attention to them, but the same party will take an interest in plants such as shown in the illustration when colored mat, chiffon, ribbon or sprays of Asparagus Sprengeri are tastefully associated with them. In the matter of blending or contrasting the colors of ribbons and flowers there is scope for much originality and taste. The photograph here reproduced is of a plant decorated by John Mangel, Chicago, and illustrates how plants may be improved with very little trouble or expense.

Easter Business in Chicago.

With plenty of good stock, both in cut flowers and pot plants and delightful weather, excepting in the forenoon on Saturday, the Easter trade, looked forward to hopefully by retailers, was probably the best on record. "More like Christmas than Easter," said one prominent retailer and in every case the returns were greater than those of last year. Unfortunately, the growers still persist in holding back stock and in several instances the cut flowers sent out quite late in the week bore evident traces of having been kept much longer than was desirable. Probably never in the history of the city's trade were more baskets of plants sold. Hundreds of these were disposed of from the small made-up fern or bulb basket at a dollar or so up to splendid arrangements at $50.

The most prominent Easter plant this year was certainly that lovely rambler rose, Lady Gay. It was seen everywhere from small plants in 4-inch or 5-inch pots up to large handsome specimens like those used by Samuelson in his unique window display. It is certainly a great acquisition for the retailer who

AT WILLIAM SIM'S, CLIFTONDALE, MASS.
House of Winter Flowering Sweet Peas,

has much make-up work to do and it was taken full advantage of in the excellent baskets put up by such artists in their line as Wienhober of Elm street, Wm. J. Smythe, Samuelson, Harry Rowe, Fleischman, John Mangel and others. Its delightful soft coloring contrasts well with nearly every other flower while its great freedom of flowering and graceful habit make it possible to put it quite alone and yet give a perfect picture. Hydrangeas were plentiful and good. Easter lilies were plentiful and, though generally shorter in the stem than usual, the plants were clean and healthy and abundantly flowered.

Bulb stock was plentiful; tulips were exceptionally good but hyacinths, as far as we could see, were away below the average in quality though plentiful. Azaleas were fine and plentiful both the ordinary Indian varieties and the newer dwarf varieties, such as Hexe and others that come in so well for making up small baskets. Andrew McAdams of Fifty-third street was well to the front with flowering plants of all kinds. His large house, filled with stock just in the pink of condition, was a grand sight early in the week, but at the end he was pretty well sold out after an extremely busy time. The azaleas were exceptionally fine, all the popular varieties, such as Vervæneana, Professor Wolters, Van der Cruyssen and others being supplemented by a fine stock of the dwarf varieties noted above also Novelty, an excellent double red that is very promising. His tulips were very good indeed, including such fine varieties as Goldfinch, Chrysolora, Couronne d'Or, Vuurbaak and the lovely pink Salvator Rosa. Spirea astilboides was well done here also S. Gladstone, which Mr. McAdams finds sells better than the older variety owing to its closer, fuller habit.

As noted elsewhere in this issue, Wm. J. Smythe had his troubles this Easter. First Michigan avenue was torn up in front of his window and to make matters worse an automobile crashed through it after much of his choice Easter stock was displayed. But with commendable pluck and energy things were straightened out and we were glad to note that a very fine business was done. Certainly it was deserved as Mr. Smythe had some splendid work in baskets and other choice arrangements. A very pretty foliage begonia was used with excellent effect by Mr. Smythe's decorator among other plants. Large baskets of Boston ferns and English ivy were very noticeable and he had fine hydrangeas. The north window was laid out as a garden with miniature paths, box hedges and flower beds. Samuelson's Michigan avenue window was treated in a novel and effective manner. In the background was a white garden seat very plain in design draped with superb plants of Lady Gay, La Fiamme and other rambler roses. White doves were placed in natural positions and in the front was a flower bed done in dwarf Baby Rambler and other roses. We are not usually impressed with these methods of window decoration; they savor too much of the department store; but when carried out so well and so naturally as in this instance they command admiration. Grand pot plants, cut flowers and baskets were well displayed and an excellent business was done.

The Ernst Wienhober Floral Co., had most effective displays of everything in season. The baskets were perfect and here again we noted Lady Gay delightfully displayed. Everything here was in the highest order and the firm well deserved the fine business done. Down town all the principal retailers did well. Fleischman's business was 50 per cent higher than that of last year and on Sunday morning when the last of the delivery vans had left the store it was practically empty. On Thursday and Friday an immense stock was displayed, plants, baskets and all of the charming devices which Geo. Weinhober, the capable manager here, knows so well how to arrange; but all were cleared out and the fine store looked deserted. The same may be said of Harry Rowe, who this year excelled himself in the art for which he is noted. There were a few plants and small baskets left in the store early on Sunday morning, but the large room at the rear, which the day before was full to repletion with grand specimens of the best class of work, was empty and forlorn looking. John Mangel and his capable decorators were cheerful and busy right along and did a splendid business in all lines. Hauswirth, The Eaton Flower Shop, A. Lange and, in short, all others in the city, tell the same tale. There was a tired bunch of men and women connected with the retail trade on Sunday afternoon, but all were "weary with well doing" if we may be allowed so to twist the meaning of a phrase.

Fleischman's Easter Delivery.

The accompanying illustration was prepared from a photograph taken on Easter morning at Fleischman's Chicago store at Van Buren street and Michigan avenue. In order to take care of the special Easter trade in plants, cut flowers and baskets, 10 delivery vans, besides numerous boys, were needed, and, as no plants were handled under $5 and ranging up to $25 for good hydrangeas and similar stock, one can get an idea of the bulk and importance of the trade done here. Baskets in all conceivable shape and all of high quality were sent out in great numbers and the amount of business done was greatly in excess of that of any previous Easter. Over 35,000

SWEET PEA RE-CROSSED CHRISTMAS PINK.
Two Feet Higher than Christmas Pink.

violets alone were handled around the holiday, and other cut flowers in similar large quantities.

New York Window Decorations.

The ingenious decorator at Geo. M. Stumpp's had. aside from a grand window display of all the seasonable plants, a novelty in the form of a mammoth Easter egg, about three feet in diameter. The shell was twine netting stretched over a wire frame and it enabled the sight-seers to get a good view of the large brood of incubator chickens that were domiciled inside. It was the centerpiece of one window and was banked with flowering stock.

Wadley & Smythe showed a very pleasing window effect in large white azaleas with pink rambler roses, in potholders, overhead. In addition, one side of their store was filled with new varieties of pink ramblers, many of the plants being of great size and decidedly the feature of their offerings, though they had a large stock of all other Easter plants.

C. A. Dards made a remarkably fine exhibit of Lady Gay and Dorothy Perkins roses, grown to standards. There was also a splendid stock of lilies, azaleas, hydrangeas, bougainvilleas and all other stocks. A noteworthy feature of this store was the discriminating taste shown in ribbon decorations of single plants and combinations.

The retailers showed very handsome windows, a prime factor being an abundance of fine pot stock. In Thorley's Broadway store windows there were beautiful effects in orchids, Dorothy Perkins roses and medium sized plants of bougainvillea, all the plants being decorated with ribbon matching the shade of the flowers.

J. H. Small & Sons exhibited a splendid collection of basket combinations, notable being lilies, wistarias, azaleas and rambler roses. Unique effects were attained with a number of combinations in osier or green willow baskets, which were a relief to the eye after viewing yards and acres of red paper and matting.

Thomas Young, Jr., had, as he always has, very handsome windows. There were many fine basket and hamper combinations of lilies, rambler roses, azaleas and other plants. Noteworthy, were fine plants of Pandanus Veitchii.

A window for the plain people was J. P. Klausner's, 314 Columbus avenue, where many handle baskets of pansies, very tastefully arranged and decorated, were to be seen.

Myer, Fifty-eight street and Madison avenue, had his large window space filled with the best in Easter offerings. In addition, he had a vacant store room near at hand, filled up with plants.

Mengham & Westwood, 422 Columbus avenue, had fine window decorations in purple and white wistarias and cattleyas banked with Adiantum Farleyense.

The Easter Business.

Through the courtesy of our correspondents all over the country we are again enabled to present our readers with reports of the trade done during the recent Easter festival. It is pleasing to note that, in spite of the hard times talk, trade generally has been well maintained. In a few cases the amount of sales has dropped considerably, but this is mostly in southern points, where the abundance of outdoor flowers has lessened the sales of indoor stock. The plant trade in the larger cities has been enormous, and high priced baskets and various other devices have sold well. Stock has been exceptionally good for the late season and altogether the trade is to be congratulated on the way it has come through, practically unscathed, one of the worst periods of business depression known for many years.

RICHMOND, IND.—Easter business has been excellent according to G. R. Gause. Roses, carnations, lilies and all flowering plants sold well at prices equally as good as former years. The season up to date has been a good one, a large amount of funeral work has kept us busy. Although a great amount of stock has been thrown on to this market this season, no flowers have gone to waste with us. The prospect for spring plant business is also encouraging and many advance orders are already booked.

LINCOLN, NEB.—C. H. Frey reports sales as 25 per cent greater than those of last year with prices about the same and plenty of stock. Flowering plants sold well, especially lilies, roses, hydrangeas and tulips in pans. Roses, carnations, lily of the valley and the best varieties of narcissi sold well, but tulips, cut lilies and the cheaper narcissi moved slowly. Too many lilies were grown and there was a great rush at the last minute, people waiting as usual until then before buying.

SAVANNA, ILL.—A 25 per cent increase in sales with prices 5 per cent better, is the report of J. Y. Lambert. Carnations and roses were short and plants were equal to the demand. Geraniums, pansies and verbenas sold well but dahlias were slow. There was a better demand for good quality flowers. The "City Beautiful" idea is abroad and the prospects for future trade are good.

KNOXVILLE, TENN.—The late date of Easter and the large stock were responsible for the depreciation in trade and low prices, according to Chas. W. Crouch. Lilies were in good demand though bulbous stock was not much wanted. In cut flowers the best demand was for carnations and American Beauty roses. Outdoor flowers were large competitors.

BIRMINGHAM, ALA.—A 25 per cent increase in sales at better prices than last year and a short supply all around is the report of Lindsay, the Florist. Lilies led in demand, followed by roses and carnations, sweet peas and violets being least asked for. The weather was ideal and there was much interest shown by the general public in the fine displays.

GRAND RAPIDS, MICH.—Crabb & Hunter Floral Co., report a larger quantity of flowers than ever before, but cash receipts less, owing to cutting of prices by dry goods stores and druggists. Both plants and cut flowers were in excess of demand, the only plants that sold well being azaleas, hydrangeas and lilacs. This is indeed an off season.

LITTLE ROCK, ARK.—Tipton & Hurst report a decrease in trade of 40 per cent with prices no better than last year and the supply in all cases equal to the demand. Lilies sold best in plants, and roses, carnations and lilies in cut flowers. The abundance of outdoor flowers is doubtless the reason why Easter sales were so poor.

BRATTLEBORO, VT.—Trade and prices about the same as last year is the report of C. E. Allen. Stock sold out well, lilies, carnations and daffodils being most in demand.

EASTER SUNDAY MORNING AT FLEISCHMAN'S, CHICAGO.

CARLISLE, PA.—A slight decrease in cash sales over those of last year with supply equal to the demand is the report of Jesse Robbins. Lilies were in good demand, also small, cheap plants. Carnations, violets and roses also sold well. Trade on the whole was not quite as good as the banner year of 1907.

GRANDVILLE, MICH.—A 10 per cent decrease in sales, with prices as last year and supply, in all cases, equal to the demand, is the report of the Grand Rapids Greenhouse Co. Plants were in great demand, especially lilies and bulbous stock. Roses sold only fairly well, but carnations were good property.

MITCHELL, S. D.—The Mitchell Greenhouses & Nurseries report a 20 per cent increase in sales with prices the same as last year. Neither plants or cut flowers were equal to the demand and there was a heavy demand for flowering plants. The daffodils and lilies sold best; violets and roses slow.

AURORA, ILL.—Jos. M. Smely, reports a little less trade than last year with prices lower on some items. Supplies of plants and cut flowers were about equal to the demand. Lilies brought more money than other plants and bulbous stock and palms sold well. Roses and hydrangeas were slow.

BRAMPTON, ONT.—The Dale Estate reports sales less than those of last year with lower prices. Both flowers and plants were equal to the demand. Bulb stock was least asked for, and roses were the best sellers. The local cut in lilies down to six cents per bloom revived the regular trade.

OLEAN, N. Y.—A 10 per cent falling off in the amount of sales with prices about the same, is the report of F. H. Johnson. There was plenty of good stock in plants, and roses and carnations were the best sellers. The weather probably had much to do with the falling off in trade.

ST. JOSEPH, MO.—The Stuppy Floral Co. reports sales about the same as last year. Lilies seemed plentiful at first but sold out well. Violets and Richmond roses were scarce. Hydrangeas and azaleas sold well, but there was little demand for bulb stock.

FREEPORT, ME.—J. Burr reports larger sales at the same prices as last year. Neither plants or cut flowers were equal to the demand. Lilies, roses, genistas and hydrangeas sold best in pots, while for cut flowers, lilies, roses and carnations were the favorites.

ERIE, PA.—Baur Floral Co., reports sales about the same with an over supply of cut flowers but prices maintained. Everything good in the shape of plants sold, also cut flowers; it was the cheaper, poorer grades of stock that were left over.

ASHLAND, KY.—Wm. H. Carp reports that roses and carnations were sold in great quantities, at least 25 per cent more than in other years. The fine weather led to a great demand for all classes of pot plants and cut flowers.

GALESBURG, ILL.—I. L. Pillsbury says trade was not equal to last year and prices less in some few instances. There was a large surplus, both of cut flowers and plants, Easter lilies being short and most in demand.

JACKSON, MISS.—W. J. Brown reports a serious falling off in trade, small pot plants being most in demand. This he refers to the early spring and the lateness of Easter, the gardens outside being full of flowers.

EVANSVILLE, IND.—The Wm. Blackman Floral Co. says that sales were about as last year but prices not quite so high. Lilies were scarce, also American Beauty and other roses, but other stock was plentiful.

DECORATED AZALEA BY JOHN MANGEL, CHICAGO.

Asparagus Sprengeri on Handle.

Shipping Flowers to Arizona.

ED. AMERICAN FLORIST:—

I am obtaining most of my flowers from California. What kinds, if any, could I have shipped from Chicago to arrive here in good condition?

Arizona. H.

In reply to "H" it will be only on rare occasions that any kind of flowers would carry so far and then everything would have to be favorable. If there is anything that would ship it would be Bride, Bridesmaid and American Beauty roses. If "H" would send an order to one of the Chicago houses for a few of each variety of flowers as a trial shipment he would have the practical side of it. D.

Twenty Years Ago.

APRIL, 1888.

Bishop Whitehead of Pittsburg was preaching against the use of flowers at funerals or in church at Easter.

It was thought that the craze for artificially dyed flowers was ended.

Trade at Easter was far greater than ever known before, loose cut flowers being in all cases preferred to designs.

Patents for new plants to prevent unauthorized persons from propagating them was the pipe dream of some plantsmen.

Fifteen cents' worth of white flowers to make a pillow was one order for Easter to a well known florist.

Crotons were much grown for sale as house plants as they stood the dry atmosphere well.

Mulching indoor roses was coming in for condemnation by many experienced growers.

The original Kentucky Society of Florists was organized.

Cut fronds of Pteris tremula were largely imported from Bermuda.

Good flowers of American Beauty rose sold in New York at six cents each.

A dinner table decoration in New York consisted of a huge star 28 feet in diameter.

The Brooklyn Times credited John Henderson of Flushing with sending out 200,000,000 roses a year.

OBITUARY.

Ferdinand Bendt.

Ferdinand Bendt, who has conducted a growing and retail florist business for about 30 years at Sixth and Orange streets, Newark, N. J., died April 11 of typhoid fever, after an illness of four days. His wife died April 14 of the same disease. At the time of his death Mr. Bendt was 70 years old. He was born in Koenigsberg, East Prussia, and came to this country when 28 years old. He worked for a short time in the south and returning to the vicinity of New York secured a position as a private gardener with a well known family named Patterson, where he remained until starting in business for himself. He and his family were highly esteemed by many neighbors and friends and the sympathy of the community for the two daughters, thus doubly bereaved, is spontaneous and sincere. They are aged 13 and 6 years years respectively.

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Sympathy.

Is nature all so beautiful?
The human feeling makes it so;
The sounds we love, the flowers we cull,
Are hallowed with man's joy or woe.

The little speedwell's tender blue
Is not so pure and delicate,
As is the simple wish in you
That will its tardy advent wait.

The breezy hush, the rustling change,
Of leaves that on the poplar shake,
Are not so sweet, or half so strange,
As flutter in your heart they make.

The wishing for the green of trees
Is fresher than the leaves that come;
The blowing of a scented breeze
Is sweetest round a happy home.

—THOMAS ASHE.

FLATS with one loose end or side are far handier for transplanting from than others nailed all around.

GROW what sells in the home market but occasionally try out anything good with which the home market is not supplied.

A GROWER states he has had far less thrips in his houses since cleaning up and burning all rubbish and litter early every spring.

FLOWER SHOWS as a means of raising money for city beautifying seem to be popular in the west. This is a good movement.

RECENT bulletins of the West Virginia Experiment Station contain a lot of useful hints on buying and using commercial fertilizers.

SPRING may have come all right but it is well to remember that spring is not summer and is apt to give growers many queer surprises yet.

MANY of the series of articles on "Half Hour Gardening" appearing in the Chicago Daily News are decidedly above the average of this class of work.

THE GARDEN is out with a colored plate of a new rose, Hugo Roller, which certainly appears to be a very beautiful thing. The raisers are Wm. Paul & Son, Waltham Cross, Eng.

SWEET PEA growers cannot fail to be interested in the excellent practical paper by Wm. Sim, which was read at Boston this week, given in this issue. It is a notable addition to the literature on this increasingly popular flower.

THEFT of postage stamps with firms doing a heavy catalogue and mail business will no doubt be curtailed somewhat by the new postal regulation which permits purchasers "for identification only, and not for advertising, the puncture or perforation of letters, numerals or other marks in United States postage and special delivery stamps."

Society of American Florists.

NOTICE OF REGISTRATION OF CANNA.

The Frank Cummings Bulb & Plant Co., of Meridian, Miss., apply for registration of a canna as follows: Canna, W. E. Cottrell, seedling of L. Patry, originated with us; flower large, dark salmon pink, slightly flecked with red, petals large, rounding, slightly recurved, large branching flower heads, very broad leaves, slightly edged with bronze, thick and leathery, growth very vigorous, height four feet.

Public notice is hereby given of this application for registration and any persons objecting to the same or knowing of any reasons why the registration should not be made as above, are requested to forward a statement of their objections to the undersigned at once. No objection being received within 20 days from this date, the registry will be completed. W. N. RUDD, Sec'y.

April 27, 1908.

National Council of Horticulture.

We have received from J. H. Burdett the sixth installment of the press service of the National Council of Horticulture. As usual the articles are of a varied and useful character and the wide publicity given to such subjects by this method cannot fail to be of great benefit to horticulture generally. The present series consists of: "Brussels Sprouts," "Kohlrabi," "A Backyard Garden," and "Principles of Shrubbery Planting," all timely notes written in a plain, easily understood manner.

A New Botanical Garden.

The new botanical garden of the Johns Hopkins University at Homewood, Baltimore, Md., is in charge of Prof. D. S. Johnson. It is contemplated to commence at present with a biological garden and one greenhouse for biological work. Later on there will probably be added a systematic garden of about two acres. In addition to these plants, trees and shrubs of botanical and ornamental value will be planted on suitable sites in Homewood park conforming to the general landscape plans. Wm. H. Witte, who has had extensive experience in similar institutions in Germany and Italy, with a general horticultural experience of some 32 years, is the chief gardener in charge.

Hail Insurance.

The following letter speaks for itself:

To John D. Esler, Saddle River, N. J.

The check for $12.64 received in payment for my loss of glass from hail. I wish to thank you for same and for promptness in settlement. I shall not be without hail insurance as long as I am in the business. It was quite a relief, when we stood and listened to the hail rattling on the glass, to know that we could get some help from insurance.

R. S. MCMURRAY.

Bellefontaine, O.

A Catalogue Question.

ED. AMERICAN FLORIST:—

Is it just and fair to the retail florist for the wholesaler to send his catalogue to parties not in the business? We have been hurt in many instances by this. Parties in our section not only order for themselves, but any of their friends, at wholesale prices, then, when you offer goods at retail prices, they talk of how high priced you are. It does no end of harm to our business. Is there any way influence could be brought to bear on the wholesaler to discontinue sending wholesale catalogues indiscriminately?

C.

Dickson's Roses.

In the case of Alexander Dickson and Sons, the master of the rolls made an order last week for fuller and better answers by the defendants to interrogatories by the plaintiffs in the action brought by Alexander Dickson & Sons, Ltd., v. Alexander Dickson and Sons for an injunction to restrain the defendants from selling roses or seeds not grown or propagated by the plaintiff company as Dickson's roses or Dickson's seeds, and from carrying on the business of nurserymen and seedsmen under the style of Alexander Dickson & Sons, or any style in which the name Dickson appears, without taking reasonable precautions clearly to distinguish the business carried on by the defendants from that carried on by the plaintiff company. The plaintiffs are well-known rose specialists, carrying on business in Newtownards, Belfast, Dublin, Blackrock, and also in Hertfordshire, and the defendants, Alexander Dickson and his two sons, carrying on business as seed merchants in Parliament street, Dublin, under the name of the Ashbourne Agricultural Company, and as rose growers and nurserymen, at Woodlawn, Dundrum, under the name of Alexander Dickson and Sons.—Irish Daily Independent.

An Insecticide Case.

April 7.—Papers were filed at Salem, in a suit of Wm. Sim, against R. & J. Farquhar of Boston, in an action in which Sim sues for $20,000. The plaintiff says in his declaration that the defendants are merchants in the city of Boston and do keep and sell Nicoticide, a preparation to kill insects in greenhouses and that it is warranted not to damage foliage or flower, and that the vapor will not alter or discolor the blossoms. That he bought and used the preparation as directed in a house containing 66,000 violet plants and five rows of sweet peas, 200 feet long, and that it was not as warranted and because of the use the blossoms and plants were destroyed, and he sues for the above amount. The papers are from the office of Niles, Stevens, Underwood & Mayo, Lynn.—Lynn, Mass., Item.

Meetings Next Week.

Baltimore, Md., April 27, 8 p. m.—Gardeners' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.

Cleveland, O., April 27, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit street.

Lake Forest, Ill., April 29, 8 p. m.—The Horticultural Society of Lake Forest, Council club, city hall.

Lake Geneva, Wis., May 2, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, News building.

Minneapolis, Minn., May 1, 8 p. m.—Minneapolis Florists' Club, Latham's conservatory, 83 South Tenth street.

Pasadena, Calif., May 1, 8 p. m.—Pasadena Gardeners' Association, G. A. R. hall, East Colorado street.

San Francisco, Calif., May 2.—Pacific Coast Horticultural Society.

Bulletins Recently Issued.

By the Department of Agriculture, Washington, D. C.:

"Results of Loco-Weed Investigations in the Field," by Albert C. Crawford.

"The Immunity of the Japanese Chestnut to the Bark Disease," by Haven Metcalf.

"The Decay of Oranges While in Transit from California," by C. Harold Powell.

"The Adulteration and Misbranding of Alfalfa, Red Clover and Grass Seeds," by B. T. Galloway.

"The Prickly Pear as a Farm Crop," by David Griffiths.

"The Nut Weevils," by F. H. Chittenden.

"The Germination of Vegetable Seeds," by Edgar Brown.

"Cowpeas." by H. T. Nielsen.

By the Maryland State Experiment Station: "Strawberries," by C. P. Close, W. R. Ballard and T. H. White.

"Nut Growing in Maryland," by C. P. Close.

By the West Virginia Experiment Station: "The Grape-vine Root Borer," by Fred E. Brooks.

"Commercial Fertilizers," by J. H. Stewart and B. H. Hite.

"Experiments With Fertilizers," by J. H. Stewart and Horace Atwood.

By the Kentucky Experiment Station: "The Inspection of Seeds Under the Kentucky Pure Seed Law," by H. Garman and Miss Didlake.

"On Adulterants and Weed Seeds in Kentucky Blue Grass, Orchard Grass, Timothy, Red Clover and Alfalfa Seeds," by H. Garman.

By the Texas Experiment Station: "The Chemical Composition of Some Texas Soils," by G. S. Fraps.

"Irish Potato Fertilizer Experiments," by W. S. Hotchkiss and E. J. Kyle.

"Summary of Bulletins Issued from No. 1 to 94 Inclusive."

By the Iowa State College: "The Maintenance of Fertility," by W. H. Stevenson, I. O. Schaub and A. H. Snyder.

By the New Jersey Horticultural Society: "Fertilizers for Fruit Growers," by E. B. Voorhees.

By the New York Experiment Station: "Control of Scale in Old Apple Orchards," by P. J. Parrott, H. E. Hodgkiss and N. J. Schoene.

"Investigations on Some Fruit Diseases," by H. J. Eustace.

"Analyses of Miscellaneous Materials," by L. L. Van Slyke.

By the Oklahoma Experiment Station: "Cotton Culture," by L. A. Moorhouse and J. F. Nicholson.

"Orchard Spraying," by Morris and Nicholson.

By the Louisiana Experiment Station: "Diseases of Pepper and Beans."

By the New Hampshire Experiment Station: "The Respiration of Apples and Its Relation to Their Keeping," by Fred W. Morse.

"The Gipsy and Brown Tail Moths," by E. Dwight Sanderson.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Every paid subscriber to the AMERICAN FLORIST for the year 1908 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—Grower of roses carnations and 'mums; experience 10 years. Key 516, care American Florist.

Situation Wanted—By grower of roses carnations, 'mums and bedding stock. Key 517, care American Florist.

Situation Wanted—As an assistant in greenhouses; age 27, single; English; private place preferred. Key 514, care American Florist.

Situation Wanted—Young American would like a position in first-class store; long experience no objection to Pacific coast. Address Key 502, care American Florist.

Situation Wanted—A thoroughly practical man is open to position as head gardener; highest references as to ability and character. Address Key 513, care American Florist.

Situation Wanted—A1 assistant gardener on private estate or public place; 8 years' experience in general greenhouse work and landscape; good references; age 23. Please state wages and particulars in first letter. Address W. F. B. R. F. D. No. 2, Alexandria, Va.

Situation Wanted—By good all around florist, single, A No. 1 cut flower grower, life experience, good worker and manager, can handle help to advantage, competent to take charge of up-to-date retail place; state wages, etc. Address FLORIST, care of No. 236 S. Illinois St., Indianapolis, Ind.

Help Wanted—A man to work in rose sections; state wages without board. Apply COLE BROS., Peoria, Ill.

Help Wanted—A good grower of roses and carnations on general retail place; 100,000 feet of glass; one who can handle help. CHAS. W. CROUCH Knoxville, Tenn.

Help Wanted—A good steady single man as rose and carnation grower on retail place near Chicago. State wages wanted with board and room. Key 518, care American Florist.

Help Wanted—Reliable florist with 20,000 carnations, good varieties, little cash and capable of erecting greenhouses—material now at greenhouses, near Chicago, can become part owner of established modern greenhouse business. C. F. MORRIS, 420 Ashland Blk., Chicago.

For Sale—27,000; feet of glass filled with first-class stock; located in one of Chicago's suburbs; low price. Address FLORIST, 4016 N. Clark St., Chicago.

For Sale—Greenhouses and stock; about 20,000 feet of glass, well stocked with all kinds of bedding plants ferns, palms and cut flowers; for terms inquire of Mrs Hugo Book, College street, Worcester, Mass., or L. Midgley, Worcester Conservatories, Worcester, Mass.

For Sale—At Madison N. J. Greenhouses 1500 running feet in all; barn, dwelling, all improvements; also 6 acres of land; ¾ of mile from depot. Key 510, care American Florist.

For Sale—Greenhouses in good condition; 10,000 ft of glass, also double house, all modern, good location, 210-ft. front; or will sell greenhouses alone. HENRY EICHOFF, 2863 E. 75 St. Cleveland, Ohio.

For Sale—Greenhouse establishment, built five years; 85,000 feet of glass, 15 acres of land; 100 miles from Chicago; within easy shipping distance of St. Louis and Chicago. Address J. B. DEAMUD Co., 51 Wabash Ave., Chicago.

For Sale—A retail florist business, 5 greenhouses, about 5000 feet of glass, store, barn, 8 room house, lot 100 feet front, over 200 feet deep, located in fine neighborhood; a good opportunity for two young men who understand the business, with small capital to start; good reason for selling; party must have $5,000, balance to suit purchaser. G. F. THRUN, 8707 Cedar Ave., Cleveland, O.

For Sale—5 greenhouses, about 20,000 feet of glass, well stocked; 4 acres best kind of soil; 5-room and attic house; good well and windmill; barn, horse, wagon, tools and stock; everything goes with the plant; good trade, can sell all the stock you can grow; located near city of about 400,000 inhabitants, accessible to steam and electric lines. WISCONSIN NATIONAL LOAN AND BUILDING ASSOCIATION, Room 22, Mitchell bldg., East Water and Michigan Sts., Milwaukee, Wis.

For Sale—At a sacrifice; a model floral establishment in the city of Youngstown, Ohio. This is the oldest floral establishment in the city, and has a trade that is desirable in every way. In order to close out an estate, this establishment will be sold at a price that will be an inducement. This is an excellent opening for some one desirous of engaging in the floral business For further particulars call on or address, C. EDWIN OYSTER, Receiver, 507-508 Dollar Bank Bldg., Youngstown, O.

For Sale—One of the largest and best known mail order seed, bulb, plant and nursery establishments in the United States. This business was established in 1860, and is known by all seed people the country over, and many abroad, and has an enviable reputation for quality in seeds, plants, etc. This is an excellent opportunity for an individual or corporation desirous of entering into this line of business which is a very profitable one to engage in. To an ambitious young man, or several of them associated together, it offers a rare opportunity to step into and take up the management of a business that is so thoroughly established and as well known as this one is. In order to close out an estate, the entire establishment, including 52 acres of testing gardens office buildings, greenhouses containing 45,000 feet of glass, barns, seven dwellings, a complete and up-to-date printing establishment, in which is turned out all printed matter used, including catalogs; horses, wagons, and entire equipment necessary to carry on this business successfully, will be sold at a sacrifice. Any one interested can have full particulars by addressing or calling upon the undersigned. C. EDWIN OYSTER, Receiver, 507-508 Dollar Bank Bldg., Youngstown, O.

Gardener Wanted.

We can give a young man a position in a public institution as gardener and florist at a salary of $37.50 to $50.00 per month, room and board, with an opportunity for advancement. Send full particulars of former or present employment with references to **Key 515, care American Florist.**

NOW READY. **1908 EDITION.**

——THE AMERICAN FLORIST——

TRADE DIRECTORY

of the entire **HORTICULTURAL TRADE** of America,

Price, $3.00 Prepaid.

A complete alphabetical list of all American cities with the names and addresses of all commercial horticulturists therein. A separate list, arranged alphabetically, of every commercial horticulturist in this country. A separate list of park superintendents, and all cemeteries. A separate list of all florist's clubs and horticultural societies, with their newly elected officers to date.

SPRING WEDDINGS.

Better prepared than ever with Lily of the Valley, Sweet Peas, Daisies, etc. Fine line of Baskets, Ribbons, Chiffons, etc.

L. D. Phone Canal 1496. Private Exchange all Departments.

A. L. RANDALL CO. Wholesale Florists, 19-21 Randolph St. **Chicago.**

HENRY M. ROBINSON & CO., Wholesale Commission Florists. Hardy Cut Evergreens and Florists' Supplies

BRONZE GALAX, best quality...$8.50 per case, 10,000 **GREEN GALAX**, best quality...$7.50 per case, 10,000
DAGGER AND FANCY FERNS..... $1.50 per 1,000

Laurel Festooning, Boxwood, Southern Wild Smilax, Sphagnum and Green Moss, Leucothoe Sprays, etc.

15 Providence St. and 9 Chapman Place, BOSTON, MASS.

Baltimore.

IMMENSE SUPPLIES.

Weather conditions were most favorable for the Easter trade, up to the afternoon of Saturday, when local rain storms interfered with the market men and street vendors. All along for two weeks, though the nights have been cool, there has been an abundance of bright days, with moderate temperatures, the atmosphere clear and the air crisp and bracing. Greenhouse stock of all kinds came along gradually, with no market drawbacks, and as a result of such favorable conditions the supply of every kind of seasonable product was simply immense. The store windows were handsomely decorated, and the stalls in the market houses were simply piled up with enormous quantities of stock. A very considerable proportion was bulbous stock, a large part of which was lost. The quantity of this that every year goes to the dump does not seem to deter similar experiments each succeeding year. Plants of every kind were in great demand and the distribution was almost universal. Harrisii lilies were not overabundant. There was nothing specially novel or attractive offered, but all the old-time favorites seem to go in good quantities. The churches were, as a rule, all decorated and the custom is extending to those of communions which formerly did not follow the plan of adorning their places of worship. Cut flowers were sufficient to go around and lily of the valley, sweet peas and lilies were closed out before the day was fairly over. Some roses were left but not enough to cry over. Violets were in much greater supply than was anticipated. Altogether the festival seems to have been a satisfactory one generally, and while prices were perhaps as a rule somewhat lower than usual, the volume of trade was quite up to usual dimensions, financial stringency notwithstanding. The week before Easter a good many out-of-town houses were represented on the market here, and very low prices were quoted, but just the amount of business they secured there is no way of estimating. The rain on Saturday afternoon was very detrimental to the curb-stone dealers.

NOTES.

The Playground Association is about establishing in the city ground set apart for play grounds, spaces for childrens' gardens, where the children will be encouraged to cultivate flowers and vegetables, rather than play in the gutters.

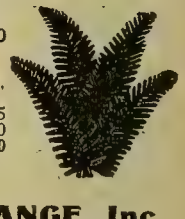
Immediate preparation of the grounds for the new botanic gardens at the John Hopkins University is the order, and this very desirable institution will soon be an established fact.

Fancy and Dagger FERNS $1.75 per 1000

Discount on large orders.

New Crop Galax, Bronze or Green, $1.25 per 1000; 10,000, $7.50. **Wild Smilax,** 50-lb. case, $6.00.
Sphagnum Moss, large bales.....$1.25
Leucothoe Sprays.....$1.00 per 100; 1000, 7.50
Boxwood.....35c per bunch; 50 lbs.. 7.50

Florists in the Middle and Western States can save money by placing their fern orders with us. A trial order solicited.



MICHIGAN CUT FLOWER EXCHANGE, Inc.,
WHOLESALE COMMISSION FLORISTS,
38-40 Broadway, All Phone Connections. **DETROIT, MICH.**

THE KERVAN COMPANY,
113 West 28th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves. Galax, Leucothoe, Ferns, Mosses and all Decorative Evergreens.

Fred. C. Bauer is beginning to market his seedling lilies. The size, texture and color of the bells leaves nothing to be desired. S. B.

Pittsburg.

ROSES SCARCE FOR EASTER.

Easter passed off quietly with a good business reported. The great amount of stock on hand gave every one a chance to fill orders complete without an unusual amount of excitement. Good tea roses and medium American Beauty were the only flowers that were scarce; there was an abundance of everything else. It is doubtful if this city ever saw so many lilies at one time before; they seemed to come from everywhere. The sales on these were not brisk, owing to the fact that every one among the buyers who had any glass at all had plenty of his own. Patrick Mair, Woodville, and Chas. Koenig, Millvale, both had their places completely filled with lilies which were all cut for the wholesale houses. Roses cleaned up nicely at an average of 12 cents for special stock. Carnations had to be nice to bring six. An unusual number of daffodils and tulips was in strong evidence everywhere. Violets, while showing the effects of the season, sold well. Pot plants sold very well in the stores, but the rain knocked out a lot of sales from the stands, wagon loads of tulips and hyacinths being hauled back from the two market houses. Undoubtedly there would have been a general clean up Saturday had the weather remained good, but it was one of the worst days we have had this year, raining steadily all day. The scarcity of money was also a factor, many retailers stating that people who formerly were liberal buyers contented themselves with a dollar box this year.

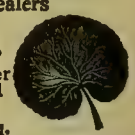
The Pittsburg Florists' Exchange was strong on good roses, especially K. S larney.

George Cotsonas & Co.

Wholesale and Retail Dealers in all kinds of

Evergreens.

Fancy and Dagger Ferns, Bronze and Green Galax,
Phone 1202 Mad. Sq.



Main Store, 50 W. 28th St., NEW YORK.

E. A. BEAVEN

Southern Wild Smilax, Log Mosses,

Natural and Perpetuated—at Wholesale,

EVERGREEN, ALABAMA.

JOHN P. SCHERER,

Telephone 328 L Union.

636 Gardener St., UNION HILL, N. J.

SMILAX, FERNS, PALM LEAVES and all kinds of GREEN GOODS.

Sphagnum Moss and Cedar Poles.
Moss, 5 barrel bale, $1.25: 2 bales, $2.25; 5 bales $5.00; 10 bales, $9.50. **Poles,** 2-in. butt, 8 ft. long, $15.00 per 1000; 2½-in. butt, 10 to 12 ft. long, $22.50 per 1000; 1½-in. butt, 5 to 7 ft. long, $10.00 Cash.
H. R. AKERS, Chatsworth, N. J.

W. Q. Potter helped The Pittsburg Cut Flower Co. out during Easter week.

J. B. Murdoch & Co. reports the best Easter trade in their business. J.

LA CROSSE, WIS.—Mrs. A. Guillaume has had plans drawn for a greenhouse on her property at 119 South Sixth street. The building will be strictly modern in every respect and flowering plants will be raised in it for market.

The Market is Loaded with Flowers and

Every Day Is Bargain Day

ON BEAUTIES, ROSES, CARNATIONS AT

BASSETT & WASHBURN'S.

WE are cutting 800 long stemmed **Beauties** per day, price, $3.00 per dozen. Also 10,000 to 15,000 Roses per day, all from grafted stock and especially fine strong flowers at prices, $2.00 to $8.00 per hundred. This stock consists of **Killarney, Richmond, Kaiserin, Carnot, Bridesmaid, Bride,** and **Perle.**

Our Immense Crop of Carnations

Is still on with prices down to $2.00 to $3.00 per hundred.

Bassett & Washburn,

GREENHOUSES, HINSDALE, ILL.

Store, 76 Wabash Ave., CHICAGO.

ONE DOZEN GARDENIAS ONE WEEK FROM CUTTING.

Gardenia Bulletin.

(Grandiflora Cape Jessamine Buds.)

WHILE it is somewhat too early to make a trustworthy prediction, it seems certain that there is no possible danger of a retarded developement, which has, in some past seasons, made it very difficult for us to promise Decoration Day shipments for far points.

The crop seems to be coming along just right and first shipments expected about May 5th, (an unusually early date), and in this event we can accept orders confidently and especially wish to extend our trade in Eastern states.

We took a decided step forward last season by enclosing the packages in glassine paper and this method will be continued.

To extend trade and as an aid to our florist customers we are using some high class periodicals this year with delivered quotations 300% higher than our wholesale price, which will give the trade about 250% profit above the wholesale price and transportation. Lower margins can of course be made,—our aim being to get the retail price well above the usual retail figure.

Standard Stock, good foliage and finest quality buds, per 1000..... **$7.50**
500 at thousand rate.
On orders of 3000 or more, per 1000..... **$6.50**
Less than 500 buds, per 100,..... **.85**

C. W. BENSON & CO., Alvin, Texas.

Chicago.

VOLUME OF EASTER TRADE BIG.

Stock was certainly abundant last week and prices correspondingly low, considering the fact that it was a holiday trade. It is the consensus of opinion that the volume of stock handled exceeded that of any previous Easter and that it was about 30 per cent in excess of that of a year ago. Wholesalers vary considerably in their estimates of the amount of money taken in, some declaring it was fully 10 per cent below that of last year, others maintaining that there was an increase of that much. All are agreed, however, that prices were much too low. The retailers report much the same conditions, declaring that more sales were made, but that few individual buyers bought as largely as they have in former years. Trade was active the week through, beginning briskly on Monday morning and maintaining a steady and even business every day with the exception of only Saturday morning which opened with rain and a dark outlook for Easter morning. The sun came out in the afternoon and trade developed its previous activity. Easter lilies were of course the leading item and were in good demand, but there was a seemingly endless supply of them. Potted stock was not as abundant as the cut lilies though there were plenty to go around. This is explained by the fact that growers held on to their lilies to the last moment; great numbers of them opened up too soon and these were cut and put away in the cool rooms. Such stock brought many complaints, easily going bad in transit, and the custom of holding flowers for a holiday cannot be condemned too strongly. Roses sold well, American Beauty actually going short in supply, especially in stock of medium length stems. Richmond, too, sold well, some growers at certain times not being able to secure enough Richmond. This demand for red roses was one of the surprises of the market. Killarney was as good a seller as any, every buyer of roses apparently wanting them. There were good lots of Bride, Bridesmaid, Chatenay, etc., and the demand was very good. Carnations came from all quarters, all growers cutting heavily. There were many more than was anticipated by usually competent judges. Good prices were realized on some, especially fancy stock. Poor stock piled high and did not sell. Especially was this true toward the end of the week. Bulbous flowers were much in evidence, and continued hard to move off. Good violets sold well, not a great many coming in. Sweet peas were also in good demand.

AUTOMOBILE IN W. J. SMYTHE'S WINDOW.

Wm. J. Smythe, the clever florist of Thirty-first street and Michigan avenue, had his share of troubles while his Easter preparations were in progress. The avenue was torn up for repairs in front of his principal window and thus prevented a good deal of passing traffic. Unfortunately this indirectly led to a far more serious disaster. An automobilist driving down Michigan avenue at a rate, it was stated, of 30 miles per hour, did not see the barricading or note the red lights until it was too late and in endeavoring to swerve into Thirty-first street had too much way on and ran clear into Mr. Smythe's window at the corner. Although, independent of the window, not much damage was done to Mr. Smythe's stock, the hindrance to trade caused by having to stretch a tarpaulin over his window must have been very considerable and his fellow florists will be sorry to hear of the disaster. But at any rate the accident did not prevent Mr. Smythe going right on with his preparations for Easter for he had a magnificent show of baskets and other devices most exquisitely arranged. We trust that he will be amply reimbursed for his losses owing to the accident, though the action of the driver of the car in backing out and endeavoring to escape after doing this mischief and injuring a colored woman looks as though he would like to shirk responsibility.

NOTES.

A fine sight at this time of year is a house of sweet peas at A. E. Hunt's, Evanston. Pansies are also a specialty here, a bench being devoted to them in one of the carnation houses. The chief interest here is the bench of Mr. Hunt's new salmon pink seedling, a cross between Morning Glory and Wolcott which gives considerable promise of being a commercial favorite when enough plants can be secured. There will be about 5,000 plants for cutting from next season. One of its chief merits is its long stiff stems. While the usual supports are in place they seem to be little needed. The cut flowers grown here are consigned to the J. B. Deamud Co.

Last Friday when American Beauty roses were so scarce the demand could not be filled, some joker saw some fine, long-stemmed specimens out in front of the stand of a Greek near the corner of Randolph street and Wabash avenue and attached a sign, "Take 'one." Several persons stopped, thought it almost too good to be true and then started to help themselves, when the irate Greek suddenly appeared, rescued his wares and started out to find the perpetrator of the joke.

Frank Oechslin did a rushing business on Thursday and Friday of last week. On Thursday three wagon loads left the greenhouses after supper and one of these after 9 o'clock in the evening. On Friday besides seven wagons of his own he was compelled to secure the services of two big moving vans for his deliveries. Already he is filling up the empty benches with bedding stock which he has had coming along in frames.

A. H. Hews & Co., of Cambridge, Mass., have opened a branch office and warehouse in this city at 456 North Branch street with M. F. Mooney, manager in charge. A full line of pots will be kept on hand for immediate shipment.

At Peter Reinberg's it is said that practically no stock has been held back for holiday requirements, and in consequence everything moved off at very satisfactory prices. This house was fortunate in having very heavy crops on.

The Poehlmann Bros. Co. has acquired nearly two acres of land immediately between its present range and the railroad track. In this corner operations were started this week on five 27x210-foot houses.

Geo. Hartung, of Kensington, reports a 25 per cent increase in his Easter business this year. Both cut flowers and flowering plants were in good demand and bulbous stock cleaned up early.

The Garden City Sand Co. is sending out notices to the effect that on and after May 1 that firm's address will be 208-11 Chamber of Commerce.

Bassett & Washburn brought in 1,800 long stemmed American Beauty roses last Friday and still had hardly enough for the demand.

Mrs. Amasa Kennicott went to Carbondale last week to spend a few days at her son's place, R. E. Kennicott's.

The A. L. Randall Co. is handling yellow chrysanthemums, a novelty of the season that is selling well.

Visitors: Mrs. J. R. Bather, Clinton, Ia.; M. M. Towle and Mrs. Schutz, Hammond, Ind.; J. G. Crozer, Cedar Rapids, Ia.; James Chacona, Milwaukee, Wis.

WEILAND -AND- RISCH
Wholesale Growers and Shippers of
CUT FLOWERS
59 Wabash Ave., CHICAGO.
'Phone Central 879.
Write for our wholesale price list.
WHOLESALE FLORISTS

Kennicott Brothers Company,
WHOLESALE
CUT FLOWERS.
48-50 Wabash Ave.,
CHICAGO.

Klehm's Novelty Tulips
50 in the box, $2.00 per box.

We will have anything in the line of
Cut Flowers and Greens
that you may want if anybody has at Chicago market prices on day of shipment.

KENNICOTT BROS. CO.
L. D. PHONE, CENTRAL 466.
48-50 Wabash Ave., CHICAGO.

"THE BUSIEST HOUSE IN CHICAGO."

J. B. DEAMUD CO.

No complaints on Easter stock.
All of our customers were satisfied.
Were you one of the satisfied ones?
If not, **TRY DEAMUD.**

Long Distance Phone
Central 3155.

51 Wabash Ave., Chicago

THE FINEST

Lily of the Valley

FOR ALL OCCASIONS.

$3.00 per 100; $25.00 per 1000; extra select, $4.00 per 100. We have an unusually fine cut on.

Western Headquarters for Finest

Cold Storage Valley Pips

$12.00 per 1000; $1.50 per 100; select stock, $14.00 per 1000; $1.75 per 100.
Every Case Guaranteed.

H. N. BRUNS, 1407-1411 W. Madison St., Chicago
Long Distance Phone, Kedzie 1196.

Poehlmann Bros. Co.

Wholesale Growers of
and Dealers in **Cut Flowers**
All telegraph and telephone orders gvien prompt attention.

Greenhouses: MORTON GROVE, ILL.
35-37 Randolph St., CHICAGO.

Roses, Lilies, Violets, Carnations and other **CUT FLOWERS of best quality**

E. H. HUNT

SEND FOR PRICE LIST.
76 Wabash Avenue, CHICAGO.

Florists' Supplies AND Novelties.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of **CUT FLOWERS**

DAILY SHIPMENTS OF

Cut Flowers

From 40 to 60 Growers.

"Greens" Our Specialty.

E. F. Winterson Co.,
45-47-49 Wabash Avenue. CHICAGO.

E. C. AMLING

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 Randolph Street, CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, April 22.

Rose, Beauty, extra fancy		4 00
" " 24 to 30-in. stems		3 00
" " 12 to 20-in. stems	1 50@	2 00
" " Short stems		1 00
" Killarney	6 00@	12 00
" Bride, Maid, Ivory Gate	4 00@	8 00
" Liberty, Richmond	4 00@	8 00
" Chatenay, Perle	4 00@	8 00
Carnations	1 50@	3 00
Violets	25@	50
Lilium Harrisii, per doz.	1 50@	2 00
Callas, per doz.	1 50@	2 00
Lily of the valley	2 00@	4 00
Smilax, per doz.		2 00
Asp. Plu. & Sprengeri, bunch		50
Asparagus strings, each		50
Adiantum, per 100	75@	1 00
Leucothoe sprays	60@	75
Ferns, per 1000	2 00@	2 50
Galax, green, per 1000		1 00
bronze, per 1000		1 00
Boxwood, per bunch		35

Chas. W. McKellar

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CHICAGO.

ORCHIDS
A Specialty

Fancy Stock in VIOLETS VALLEY, ROSES, BEAUTIES, CARNATIONS and a full line of all Cut-Flowers, Greens, Wire-Work and FLORISTS' SUPPLIES.

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RED

American Beauty, long stems.....$ 4.00 per doz.
30-inch stems..... 3.00 per doz.
24-inch stems..... 2.50 per doz.
20-inch stems..... 2.00 per doz.
15-inch stems..... 1.50 per doz.
12-inch stems..... 1.25 per doz.
Short stems..... 1.00 per doz.
Richmond, Liberty.....$4.00 to $ 8.00 per 100

WHITE

Bride, Ivory.....$4.00 to $ 8.00 per 100

PINK

Chatenay, Bridesmaid.....$4.00 to $ 8.00 per 100
Mrs. Marshall Field, Killarney, ...$6.00 to $15.00 per 100

LIGHT PINK

Uncle John, Golden Gate....$4.00 to $ 8.00 per 100

YELLOW

Perle.....$4.00 to $ 8.00 per 100

COPPER COLOR

Sunrise.....$4.00 to $ 8.00 per 100

Roses, our selection, $3.00 per 100.

Carnations,.....$ 1.50 to $ 2.00 per 100
Easter Lilies,..... 8.00 to 10.00 per 100
Extra fancy Asparagus Plumosus ..... 50c to $ .75 per bunch
Paper White, Romans, Daffodils .....$ 2.00 to $ 3.00 per 100

Violets..... $ 1.00 per 100
Tulips.....$ 2.00 to 4.00 per 100
Callas..... 8.00 to 10.00 per 100
Valley, fancy..... 2.00 to 4.00 per 100

PETER REINBERG, 51 Wabash Ave., Chicago.

Easter With the New York Retailers.

Notwithstanding a late Easter and its previous forebodings, the retailers offered excellent stocks and, as a rule, fine taste was shown in combinations and decorations. The average quality of lilies was much below that of some past years. Much of the stock was short and in bud and flower development showed deterioration. Yet, they were lilies, and very much in evidence, as they always are at this season. A number of very happy combinations of lilies and other plants of low habit were noticed in the leading stores. One particularly fine combination consisted of lilies, ericas, lily of the valley and blue hyacinths; adiantums being used as a border. Around the basket and handle there was a broad sash of Copenhagen blue, which is the latest introduction in the line of decorative ribbons.

The offerings in rambler roses were particularly fine. Crimson Rambler, Dorothy Perkins, Lady Gay, Newport Fairy, Hiawatha and others being shown with splendid effect. While Newport Fairy is promising, by another season when more of it is on the market there will be a better opportunity to judge of its staying qualities as a popular favorite. Grown as a bush or standard, singly or in combinations, I consider Dorothy Perkins a splendid variety. Of the standard plants of it shown, all were attractive.

One of the most effective and artistic combinations noticed was at Geo. M. Stumpp's. A tall Crimson Rambler rose was trained about a basket frame or handle of rustic design, and beside it was placed a Dorothy Perkins of lower habit; the basket was in gold shade. The bougainvilleas offered at this store, were for size and quality superior to any collection of these plants that I have ever noticed in a retail store, several specimens standing over six feet high and being perfectly flowered. Hydrangeas were excellent and the growers seem to be introducing more variety in color in these plants than in former years. The blues and the pinks we all know, and now to these has been added a mauve shade, and with ribbon to match, it is handsome. Judging by the amount of stocks offered, its quality and the demand, the azalea still has a firm hold with the public. There were many fine specimens and some complaint of a scarcity of the smaller sizes. The genistas, in quality and variety, were never better. Both in standard and other forms there were many magnificent specimens. In small handle baskets, small plants of genista in combination with spireas or other white blooms, and small ferns, make an acceptable combination. The spireas were popular, both singly and in combinations.

David Clarke's Sons made a hit with a quantity of pink spireas, grown at their own greenhouses at Fordham Heights. Most of the ericas noticed were in small pots and were used largely in combinations. Again referring to the lilies, while many single plants were sold, combinations of five or six plants in a pan, tub or pail, were more attractive and popular with those who could afford the price. If combinations of this kind are decorated with ribbon, pale blue or pink seem to be the most appropriate colors. For a single pot a white crepe paper cover with a narrow band of pink or blue ribbon near the top of the cover is appropriate. Though numbers of the straw matting covers were used on pots of lilies and azaleas, they appear at a disadvantage beside the cretons and other late designs. There were splendid lots of both purple and white lilac and as single plants or in combination they were handsome. Hyacinths, from a single bulb in a 4 or 5-inch pot, to large pans of single or mixed colors, showed well, as did large and small pans of lily of the valley.

There were novelties, but they were old things in a new form, rather than new productions. Of these might be mentioned a number of wistaria plants in large pots but not over two or three feet high, bent over and trained together, showing a mass of bloom. In a round of 25 or more retail stores I saw but one white camellia but it was a fine specimen and covered with buds and blooms. It was shown by Christatos & Koster, Madison avenue retailers. The rhododendrons were very fine and the purples were numerous and popular. There were many splendid specimens of daisies grown as pot plants, many being of very large size. Pansies neatly arranged in small handle baskets were frequently seen and it is pleasing to the admirers of this old favorite to note that its popularity remains unchallenged.

A real novelty was shown by M. A. Bowe, in the shape of an air ship, of the latest approved pattern, with propellers and equipments of twentieth century type. It was suspended in his show window and being filled with mauve cattleyas and Adiantum Farleyense and decorated with mauve ribbon, it was a great attraction for the Broadway sightseers. At several of Thorley's stores a number of small and medium sized pots covered with green sheet moss were noted and the effect was pleasing and natural.

In matching the ribbon to the various flowering plants, unusual care was shown this year. Much light pink ribbon was used on combinations where pink predominated as was also the flowered ribbon of different light shades. Those shrewd fellows, the supply men, are keeping well abreast of the advancements of the florist business, not only in ribbons, but in the many other accessories.

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Because we have the stock and feel confident that we can please you.
We handle everything in the line of Cut Flowers and Greens. Try us.

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A Full Line of Florists' Supplies. Write for List. It is Very Handy.

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BUFFALO, N. Y.

Florists' Supplies and Wire Designs.

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Phone Main 584.

Dr. Britton Returns.

Dr. N. L. Britton, director of the New York Botanical Garden, returned from Jamaica on the royal mail steamship Orinoco. April 16, with 3,500 botanical specimens, including three orchids and two palms, which he believes have hitherto been unknown to botanists. A number of the rarer plants will be exhibited at the botanical gardens in Bronx Park. The director was accompanied by Mrs. Britton and lived on board the same little schooner he employed while exploring the Bahamas. He employed a crew of seven men to navigate the vessel, and to handle specimens, sailing from place to place and landing to make excursions into the interior.

GRAND FORKS, N. D.—The annual session of the Red River Valley Horticultural Society, which was held April 3, at the Crookston school of agriculture, on the state experimental farm, was one of the most important gatherings that has been held in this section of the state for some years. Fully 200 visitors were in attendance and the greatest interest was manifested in the programme which consisted of addresses by Prof. Wm. Robertson, J. F. Hetler, O. J. Hagen, Prof. Dunton and Oscar Wick.

Wholesale Flower Markets

BUFFALO, April 22.

Roses, American Beauty	3 00@30 00
" Bride, Bridesmaid, Meteor	4 00@10 00
Carnations	1 00@ 3 00
Lily of the valley	2 00@ 4 00
Smilax	15 00
Adiantum	50@ 1 50
Lilies	4 00@12 00
Galax, per 1000, $1 50	
Ferns, per 1000, 2 00	
Violets	40@ 75
Mignonette	2 00@ 4 00
Narcissus	2 00@ 3 00
Sweet peas	40@ 75
Hyacinths	2 00@ 3 00
Tulips	2 00@ 3 00
Daffodils	2 00@ 3 00
Asparagus Sprengeri, per bunch,	25 50
Asparagus plumosus, per bunch,	25@ 50

CINCINNATI, April 22.

Roses, Beauty, $1 00@$ 4 00	
" Bride, Bridesmaid	3 00@ 6 00
" Richmond	3 00@ 6 00
" Golden Gate	3 00@ 6 00
" Ivory	3 00@ 6 00
Carnations	1 00@ 3 00
Lily of the valley	2 00@ 3 00
Daisies	50
Callas	10 00
Harrisii	12 50
Dutch hyacinths	3 00@ 4 00
Narcissus	3 00
Smilax	12 50@15 00
Daffodils	2 00@ 3 00
Tulips	2 00@ 4 00
Asparagus plumosus and Sprengeri in bunches, per bunch 25c	
Eastern Ferns, per 1000, $2 00	
Galax, Green and Bronze, $1 00	
Snapdragon, 75 per doz	

ST LOUIS, April 22.

Roses, Beauty, long stems	3 00@ 4 00
" " medium stems	1 50@ 2 50
" " short stems	4 00@10 00
" Bride	2 00@ 8 00
" Bridesmaid	2 00@ 8 00
" Chatenay, Richmond	2 00@ 8 00
" Killarney	2 00@ 6 00
Carnations, common	1 00@ 1 50
" best	2 00@ 3 00
Smilax	12 50
Asparagus Sprengeri	1 00@ 2 00
" plumosus, strings	25 00@40 00
" cut sprays	1 00@ 2 00
Ferns, fancy, per 1000, $2 25	
Lily of the valley	3 00
Narcissus	2 00
Callas	10 00@12 50
Sweet peas	35@ 60

MILWAUKEE, April 22.

Roses, Beauty, 75@ 5 00	
" Liberty, Chatenay	3 00@10 00
" Bride, Bridesmaid	3 00@ 8 00
" Meteor, Golden Gate	3 00@ 6 00
" Perle	4 00@ 6 00
Carnations	1 50@ 3 00
Smilax, $2 00 per doz.	
Asparagus, sprays	3 00
Sprengeri	2 00@ 3 00
Lily of the valley	3 00
Adiantum	1 50
Common ferns, $2 00 per 1000	
Harrisii lilies, $1 50 per doz.	
Roman hyacinths	2 00@ 3 00
Tulips	2 00@ 3 00
Daffodils	2 00@ 3 00
Sweet peas	50@ 1 00

NEW BEDFORD, MASS.—At the meeting of the Horticultural Society, held April 13, Thos. White addressed the members upon the subject of the necessity of inaugurating a movement having for its purpose the saving of our native plants from extinction. At the close of the address a committee was appointed to take up the matter.

FOR EASTER

Extra Fine Stock.

Giganteum Lily plants, Azaleas, Hydrangeas, Hybrid Roses, Spirea, etc.

Roses, Carnations, Violets and other seasonable flowers.

Also Wire Designs and Florists' Supplies.

Buffalo Cut Flower Co.

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A Complete Line of Wire Designs

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Greenhouses, NEW CASTLE, IND.

RICE BROTHERS

Wholesale Florists and Supplies,

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CUT FLOWERS received twice daily. Can fill your orders to your satisfaction. Also headquarters for **Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns.** Prices quoted on large quantities.

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WIETOR BROS., 51 Wabash Avenue, CHICAGO.

Wholesale Growers of CUT FLOWERS.

Send us your order now and rest assured of getting the best stock, fresh cut and carefully packed.

PRICE LIST

	Per doz.
American Beauties, extra long stems	$4 00
30-inch stems	3 00
24-inch stems	2 50
20-inch stems	2 00
18-inch stems	1 50
15-inch stems	1 25
12-inch stems	1 00
8-inch stems	75

	Per 100	
Bride	$4 00 to	$8 00
Bridesmaid, fancy	4 00 to	8 00
Killarney, fancy	6 00 to	15 00
Kate Moulton, fancy		8 00
" " good	5 00 to	7 00
Richmond, fancy	4 00 to	8 00
Chatenay	4 00 to	$8 00
Uncle John, fancy	4 00 to	8 00
Perle	4 00 to	8 00

ROSES, Our Selection, $3.00 per 100

CARNATIONS $1 50 to $2 00

The above prices are for select stock. Extra select or inferior stock billed accordingly.

All other stock at lowest market rates. No charge for packing. Prices subject to change without notice.

New York.

GOOD EASTER BUSINESS.

When the condition of the cut flower trade for the past six months is considered, it can be stated that the volume of Easter business exceeded the previous estimates of conservative dealers. There were many dire forebodings on account of the lateness of the date; the possibility of warm weather during early April and disagreeable weather at Easter. Saturday was rainy and disagreeable, but it is doubtful if that cut much figure in the final results. A great amount of cut stock was sold at remunerative prices but nothing went as high as in some previous seasons. The best American Beauty roses brought 40 cents, possibly a few went at 50 cents; best Bride and Bridesmaid 10 and 12 cents; fancy carnations five and six cents; common, three and four cents. Lilies were disappointing. On Thursday and Friday, good cut lilies were up to 10 and 12 cents but on Saturday it was evident that the market was overloaded with them and before the final, the best sold for three and four cents. Though nobody could be found who was willing to father Bermuda cut lilies, there was enough of them scattered about the city to make, at least, a slight difference for the worse, particularly on top of an oversupply of the home product. Two leading dealers, both careful and conservative men, talked of the lily situation with the writer. Said one, "I believe that on account of the great supply of other good varieties of pot plants now being grown, the demand for lilies is falling off, and again their quality is poor." The other dealer said that he believed good lilies were as much in demand as ever but the quality was poor this year, and there were too many of them. After a season of saddening experience the violet made a very creditable Easter record going from 50 to 75 cents per 100. Lily of the valley, tulips and sweet peas went very well at a moderate advance in prices. Quantities of single stocks, candytuft and other small flowers were little in demand. There was no such evidence of abundance in orchids as was witnessed at Christmas, and cattleyas came nearer to their old price of $1 and $1.25 each than they have previously during the season. By Saturday night, it was practically impossible to buy them wholesale. There was a reasonable supply of gardenias with a slight advance over regular rates. While there was some complaint of soft stock it was evident that there was less pickling than usual, and it was fortunate for all concerned that the sensible and rational course of shipping stock when ready, was generally followed. In summarizing the Easter cut flower business, it must be borne in mind that there was in every retail, and many wholesale stores; in auction houses, markets and public squares, a tremendous supply of well flowered plants in such variety as to suit the most fastidious tastes. Adding to these the plant peddlers that swarmed over the city, it will readily be seen that cut flowers had strong competition for popular favor, and all things considered, they have held their ground.

EASTER PLANT TRADE.

A number of the Twenty-eighth street commission men went extensively into Easter plants. Millang Bros., in addition to filling up their main store with plants, took the vacant storeroom overhead, which was also successfully utilized. All through the week there was evidence of good business about their stores as large loads of plants were constantly arriving and going out, and a large force of assistants were kept busy. An exceptionally good quality of stock was handled and the arrangements and disposition of the various stocks proved that the long experience of the members of this firm was a prime factor in the successful handling of a heavy business. They had thousands of lilies, and with rambler roses, azaleas and all other seasonable plants their store was one of the show places of the district. Very noteworthy were their large plants of purple and white wistaria, and pans and hanging baskets of lily of the valley.

The Lecakes Co. had a great stock of good plants. Good Friday was of special interest to John A. Foley of that firm, as a little daughter came to his home on that day.

Ford Bros. carried an exceptionally fine stock of marguerites in pots ranging in size from 4 to 14 inches. They also had a fine line of hyacinths in pans.

John Young carried a great stock of lilies and geraniums and the handling of these in addition to his big stock of roses and carnations kept everybody busy.

Sam. Woodrow, the Thirtieth street plantsman, had a great Easter trade and he and his assistants got little sleep during the week.

H. E. Froment carried a fine stock of lilies, rambler roses and other pot plants, as a side line to his great stock of cut flowers.

George Cotsonas & Co., in addition to doing an immense business in greens, were well stocked with seasonable plants.

HORTICULTURAL SOCIETY.

For the purpose of encouraging the cultivation and the study of orchids, and the formation of orchid collections, a committee of the Horticultural Society of New York has been established for the purpose of forming an orchid section. This action is the outcome of the recent gathering of a few orchid amateurs in this city as it was the unanimous feeling of those who took the initiative that the times were not propitious for the forming of an independent society. The Horticultural Society of New York, in forming this orchid section, gives perfect autonomy to the section which will be free to make its own rules and regulations for the exhibiting of orchids. The first step is made in connection with the forthcoming announcements of the May exhibition to be held in the New York Botanical Garden May 13 and 14, when, besides four cash prizes, two for amateurs and two open to all, there will be offered one gold medal, three silver medals, and three bronze medals, these medals to be awarded at the discretion of the orchid committee, which is composed as follows: C. Moore, Hackensack, N. J. (chairman), and J. E. Lager, J. A. Manda, G. V. Nash, J. W. M. Kitchen, H. A. Siebrecht and E. H. Roehrs, Rutherford, N. J., (secretary).

NOTES.

J. G. Leikens, who recently opened another retail store, at 718 Fifth avenue, got well settled in time to do a good Easter business. His other stores are in the Hotel Belmont, Park avenue and Forty-second street; 7 East Thirty-third street and Bellvue avenue, Newport, R. I. He is an enterprising young man and reports good business all along the line.

The Fruit Auction Co. on Franklin street, did a heavy business in plants, particularly on April 17, thousands of dollars worth of stock being sold on that day at good prices. The firm handled everything in plants that was in demand and had business from leading growers and dealers of this city and vicinity.

Reed & Keller were literally swamped with business. They got out a new creton pot-cover that was a great seller and they could not keep up with their orders for osier baskets. They have a force of men busy at St. Patrick's cathedral preparing for the decoration for the catholic anniversary.

The plant collections on Union Square, always to be seen the Saturday before Easter, were considered of sufficient importance, by the daily papers, to be photographed. Brothers Wallace and Totty, press censors, will please take notice.

On Good Friday, a leading retailer said: "We are selling lots of plants but our best customers are showing economy in their orders. The effects of the panic have not quite vanished."

E. Howard Smith, who recently opened on Twenty-ninth street, carried a good stock of plants. James Blauvelt, his manager, stated that business was very satisfactory.

H. C. Steinhoff of West Hoboken, N. J., had, temporarily, a plant store on West Twenty-seventh street and much good stock was disposed of.

J. K. Allen carried a fine stock of cut flowers and his violet sales were enormous.

Winsor carnations were good sellers and carnations in general moved freely.

Next on the programme are the May and June weddings.

Traendly & Schenck,
WHOLESALE FLORISTS,
44 West 28th Street, Phones, 798 and 799. New York City.

Alexander J. Guttman,
THE WHOLESALE FLORIST OF NEW YORK
43 WEST 28th STREET
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Are the best product of the best growers for the New York Market.
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HORTICULTURAL PRODUCTS
WHOLESALE ..AUCTION
Consignments, Quotations and Correspondence Solicited.
Sales every Tuesday and Friday.

Elmer D. Smith & Co., Adrian, Mich.

Elmer D. Smith & Co., successors to Nathan Smith & Son, Adrian, Mich., will retire from the retail trade on May 1, and the firm hereafter will pay strict attention only to the wholesale trade. This firm has been doing business at its present quarters ever since 1876, when Elmer D. Smith started the first greenhouse. He made a special study of chrysanthemums, and has gained a national reputation as a grower of this popular flower. In fact his fame spread beyond this country, and his name is known and honored among florists in all parts of the world.

While we regret the closing of this famous place to the retail trade, all will wish Mr. Smith continued prosperity in the trade among the larger dealers. The plant is one of the largest and most completely equipped in the northwest, and enjoys a business that is increasing with each year. A large force of employes is kept busy, in proper seasons, supplying the orders that come from near and far. Elmer D. Smith has been the head and brains of this institution all these years, giving his personal attention early and late, and now sees success crowning his endeavors. May he continue in prosperity.—Adrian Telegram.

WASHINGTON, D. C.—The Gude Bros. Co. were given the work of supplying the designs for the employes of Kann's store who raised a large fund for the purpose and purchased special designs to show their appreciation of the firm's policy in improving the building.

Charles Millang. August Millang.
MILLANG BROS.
Wholesale Commission Florists,
41 West 28th Street, Telephones 3860-3861 Madison, New York.

Wholesale Flower Markets

NEW YORK April 22.

Roses, Beauty, special	15 00@25 00
" " fancy	8 00@10 00
" " Nos. 1 2 and 3	2 00@ 6 00
" Richmond	1 00@10 00
" Bride, Bridesmaid, G. Gate Special	4 00@ 6 00
" No. 1	2 00@ 3 00
" No. 2	1 00
Carnations, fancy	2 00@ 4 00
" common	1 00@ 1 50
Lilies	4 00@ 5 00
Lily of the valley	1 00@ 2 00
Asparagus plumosus strings	25 00@40 00
" per doz. bunches	2 00@ 3 00
Smilax	8 00@10 00
Cattleyas	50 00@60 00
Cypripediums	8 00@10 00
Violets	30@ 50
Gardenias	3 00@15 00
Callas.....per dozen	30@ 60
Roman hyacinths	50@ 75
Mignonette	1 00@ 3 00
Jonquils	1 00
Sweet peas.....per doz. Bunches	35@ 75
Tulips	1 00@ 1 50
Lilac.....40@50 per bunch	
Snapdragon	2 00@ 3 00

J. Seligman. Joseph J. Levy
John Seligman & Co.
WHOLESALE FLORISTS,
36 West 26th Street, NEW YORK.
Opposite N. Y. Cut Flower Co.
Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best Prices. Satisfaction guaranteed. Tel. 4878 Madison.

Young & Nugent,
Telephone, 2065-2066 Madison Sq.
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To out-of-town Florists: We are in the Heart of
And give Special attention to Steamer and Theater orders. Prompt deliveries and best stock in the market.

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American Beauty Roses a Specialty. Roses, Violets, Carnations, Valley, Lilies, Etc.
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Telephones: 2200 and 2201 Madison Square.

Walter F. Sheridan
WHOLESALE FLORIST,
Telephones: 3532 and 3533 Madison Sq.
39 West 28th St., NEW YORK

Moore, Hentz & Nash,
Wholesale Commission Florists,
55 and 57 West 26th Street,
Telephone No. 756 Madison Square. New York.

N. Y. Cut Flower Exchange
Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable Wall Space to Rent for Advertising.
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Out of town orders a specialty.
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54 W. 28th St., NEW YORK. Consignments of Choice Cut Flowers Solicited. Prompt payments. Give us a trial. Telephone 3559 Madison Square

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Philadelphia.

TOO MANY EASTER LILIES.

A week ago, or on Palm Sunday, as the retailers moved around amongst the growers viewing their selected stock, one often heard the remark "I wish it was all over." The dread of the great rush of work and the nervous strain looks appalling to even the old campaigners, those who have been through the grind for years and years but who still seem unable to make it but little if any easier as season after season brings its annual burden. It is a tremendous strain on the vitality of the growers, middlemen and retailers alike, who, each in their separate branches, have all they can do, working to their utmost, to dispose of their stock and please their customers by having all orders carried out satisfactorily. The grower has probably to carry the greatest part of the burden, as, in addition to selling, he has also to provide the stock which for many weeks is a great care, so many things being liable to occur and interfere with the perfect development of his plants, things which cannot be foreseen, such as the bulbs which turn out to be diseased and inferior and which has caused so much loss this season. What would have become of all the lilies had the whole crop flowered is a question as there were too many for the demand as it was. Ten dollars per 100 flowers cut and on the pot was about the highest and was without doubt the market price, but we hear of sales in quantity at eight cents per bud and flower. There seems to be no question that there was not so much demand for either lilies in pots, or cut, as for several years past. Whatever this is due to we cannot think but that the lily so associated with Easter will always be the Easter flower. Azaleas and hydrangeas held their own; well flowered plants, those showing their good culture in the bright color of blossoms, particularly in the hydrangeas, sold readily. The hydrangeas, in addition to a well shaped plant with large heads, must have a good bright color or they will be passed by, not appealing to the average buyer. Geo. Anderson had the creamy lot this season. They were snapped up quickly and we question if any were left unsold in the stores.

NOVELTIES.

One of the best novelties was the pink rambler roses of the Robt. Craig Co. This firm's Lady Gay and Tausendschon were as perfect and well flowered as one could wish for and many of the best sold at retail for $10 each, which is a good price for a plant in an 8-inch pot. They carried clusters of flowers ranging from white to a bright pink. The earlier flowers, being forced, came white and later buds, opening in a cooler house, were a bright pink. They are much more popular than Crimson Rambler, which has seen its best day as an Easter plant. Tausendschon is worthy of a trial by all growers. Its flowers are quite large, not very double, showing the stamens when open, but the color of most of the flowers is a fine shade of pink with some of a lighter shade to add variety. The clusters are large and borne in such quantity that the bush is well covered, making a very desirable Easter plant. Hybrid roses in pots sold very well, some very choice stock being seen. Spireas, mostly Gladstone, seemed in good demand. A few of the new pink also seemed to take well, particularly with those who were looking for novelties. There were the usual pans of hyacinths, tulips and daffodils, which are always staple stock. It was thought at first they would not hold, but the favorable weather kept the stock in fine condition and it stood shipping nicely and lasted well for Saturday sales. There were not many genistas. These are good sellers if done properly and our market would stand more of them. Rhododendrons, those of bright colors, were in good demand. Shapely plants of these should be in every stock. Pots of heather were among the choice things offered, sold separately or used to add distinction to made-up baskets.

There was not much new in arrangement offered by the store men. Pennock Bros. had their usual fine lot of plant baskets, the baskets being original and made on their premises. A box made of wood, mostly in square design, decorated with a raised composition and the whole colored to resemble terra cotta was very striking. A basket of willows with the buds still attached was also very pretty.

H. H. Battles used pot covers in various sizes, made of fresh willows with the bark on. These were very attractive and exclusive as well, being made by his own men at Thorne Hedge, his country place.

THE EASTER TRADE.

As to the volume of business it is pretty hard to get at with any degree of accuracy. Some say they did better, others about the same, and again the report is not quite up to last season. There was an immense street business, or at least more plants were seen on the curbs than ever before. Around the city hall there were large blocks of all sorts of flowering plants and although considerable of it was sold, yet quantities remained far into Saturday night which had to be returned to the nurseries that placed it on sale, or was left on the hands of the dealer who had tried to turn his money in this way.

The wholesale men all appear satisfied with their Easter trade and say that while the volume of business was not quite equal to last season yet, with the exception of lilies, there was a general clean up of all staple stock.

Wm. McKissick's business was more than he expected, a large lot of stock being moved at slightly lower prices than usual for Easter. Sold up close on everything except lilies which for some reason seemed to move slowly. He thought perhaps it was owing to the greater quantity being thrown on the market continually since the first of the year which may have robbed them of their novelty for this season. He, however, handled an immense quantity of violets; one shipment of New York stock contained 50,000 blooms.

The Leo. Niessen Co. had a very satisfactory business, the out-of-town trade being excellent. They sold up in American Beauty roses, carnations and sweet peas of which they had large stocks. Lilies seemed in only fair demand, not selling as well as usual at this season.

John McIntyre kept his prediction of plenty of single violets and made good with some thousands of bunches on Friday and Saturday. They were very good for the season and sold as fast as they could be handed out. He also had a great run on sweet peas.

Berger Bros. were well pleased with their trade both shipping and local; their select Bride and Bridesmaid roses were in good demand and their large stock of carnations was all sold out.

E. Bernheimer was strong on American Beauty roses, the long fellows from the Florex Gardens which sold very well; like others his was a good trade at medium prices.

Edward Reid said he was very well satisfied, his out-of-town trade having kept him very busy. He cleaned up on everything except white carnations and lilies.

W. J. Baker had a great run on sweet peas and said he could have sold many more. He also handled carnations in large quantities.

Alfred Campbell handled the Faust lilies and reports good sales, having secured orders early so as to move his large stock.

The Philadelphia Cut Flower Co. report a very busy time; everything moved off well except lilies.

The supply men say they had a great run on all Easter goods, H. Bayersdorfer & Co. and M. Rice Co. doing a large shipping trade. Crepe paper, plain and in made up covers, was in great demand and in the popular colors was all sold out before the last day. K.

Boston.

NOT UP TO LAST YEAR.

Easter brought many surprises and the week's business summarized amounted to about two-thirds of the same week of 1907. These figures are alarming but having in mind the past months of depression it is not surprising to those familiar with the facts. In other words growers and dealers alike were prepared for this situation. As at Christmas unusual limitations were enforced by purchasers and a very strong liking for medium grade goods prevailed. People who are accustomed to selecting from the finest stock the market affords drew lines about themselves and rarely appeared a customer who did not know the price of and see his articles before purchasing. The public plainly showed a preference for flowering plants and storekeepers availed themselves of a heretofore unequalled supply of such stock and greatly curtailed on cut flowers. The larger growers wisely deemed it unnecessary to pickle stock. Violets for which there is always an extensive demand on Easter Sunday were the only scarce article on the market. Owing to the lateness of the season a large number of growers had retired but the few who had waited were well repaid as violets were higher than at Christmas. Few brought less than $10 per 1,000 and no single varieties were available less than $12.50. American Beauty roses were plentiful but the greater part were only of fair quality. The best brought $4 per dozen. Richmond and Killarney, neither of which were of remarkable quality, were the only varieties dealt in extensively and their prices ran together, $3 per dozen securing the best grades. A limited demand for Bride was met with a large supply but like other roses no exceptional values were offered. No extraordinary outlet

Everything Seasonable.

PITTSBURG FLORISTS' EXCHANGE, —15— Diamond Sq., Pittsburg, Pa.

AMERICAN BEAUTIES
Lily of the Valley, Carnations and all Tea Roses,
In lots of one hundred to one thousand. Phone or wire us.
WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

GRAFTED AND OWN ROOT ROSES
KAISERIN, CARNOT, KILLARNEY, RICHMOND, LIBERTY, BRIDE and BRIDESMAID.
—Send For Prices—
W. H. ELLIOTT, BRIGHTON MASS.

Pittsburg Cut Flower Co.
(Limited)
WHOLESALE FLORISTS
222 Oliver Ave. PITTSBURG, PA.

CARNATIONS in quantity. Special prices on large orders.
ABSOLUTELY THE BEST POSSIBLE SERVICE.
W. E. McKissick
WHOLESALE FLORIST,
Business Hours 7 a.m. to 8 p.m. 1619-1621 Ranstead St., PHILADELPHIA, PA.

J. B. Murdoch & Co.
714 Penn Avenue,
PITTSBURG, PA.
All Seasonable Flowers.

A good opening for Sweet Pea shipper.
Also Southern Daffodils, Lilac, Arbutus Violets and Lupinus.
JOHN W. McINTYRE,
1601 Ranstead St., PHILADELPHIA.

was found by a great supply of carnations mostly of medium grades. No standard of prices governed their sale and few large purchases were made. From $1 to $4 was the price, suitable for all choices. White azaleas were exceptionally scarce but their absence was more than filled with a superb collection of pink varieties. Plants for $2 to $5 were the best ever obtained at these figures and remarkable stock for these sizes. Most dealers sold their entire stock of lilies although not filling up as much as usual. A finer stock of flowering plants was never presented at the same standard of prices. Azaleas, acacias, genistas, lily of the valley, bougainvilleas, rhododendrons, Pink and Crimson Rambler roses, lilacs, spireas, lilies and all kinds of pan plants, such as geraniums, heliotrope and bulbs formed an almost endless collection.

NOTES.

About 80 members and friends of the Gardeners' and Florists' Club availed themselves of a rare opportunity to see a first class collection of Easter plants in journeying to Nahant to view the establishment of Thomas Roland, April 11. The party went by train to Lynn, where special cars were provided by the host to carry his guests to their destination. Here they were greeted by a sight seldom equaled. In the prime of condition as considered by this foremost grower were displayed the newest Easter favorites just before shipment to the trade. The party as a whole had never seen the home of the products which have ranked this firm with the leaders of the country and every detail connected with the establishment was inspected. An appropriate collation was served by the host, his reputation for this feat nearing the exceptional rank his abilities as a horticulturist have attained. The party left for home overflowing with wishes for further success in the line which has been so ably handled by Mr. Roland.

"Del" Cartwright, the genial salesman of the Waban Rose Conservatories, who has been confined to his home for two weeks, re-appeared for the holidays, very much improved, but reduced in weight. He dropped from 220 pounds down to 170, and the effect is plainly noticeable in his features, which usually are those of perfect health.

M. J. Barrett, the well known employe of E. MacMulkin, was called to his former home, New Rochelle, N. Y., by the sudden death of his mother, who was over 80 years of age. Mr. Barrett was forced to a speedy return trip, returning home in time for the Easter trade.

Arthur Butterworth, son of T. J. Butterworth, the celebrated orchid grower,

Wholesale Flower Markets

PHILADELPHIA, April 22.

Roses, Tea	4 00@ 6 00
" " extra	8 00@10 00
" Liberty	6 00@25 00
" Beauty, extra	20 00@25 00
" " first	10 00@15 00
Carnations	1 50@ 3 00
Lily of the valley	2 00@ 3 00
Asparagus, bunch	50 00
Smilax	15 00@20 00
Adiantum	1 00@ 1 50
Violets, single	50@ 75
" double	50@ 60
Cattleyas	50 00@60 00
Lilium Harrisii	10 00@12 00
Mignonette	2 00@ 3 00
Sweet peas	50@ 75
Gardenias	35@ 50

PITTSBURG, April 22.

Roses, Beauty, specials	25 00@35 00
" " extras	15 00@20 00
" " No. 1	8 00@12 00
" " ordinary	4 00@ 8 00
" Bride, Bridesmaid	3 00@10 00
" Chatenay	3 00@10 00
" Richmond	4 00@12 00
" Perle	6 00@ 8 00
" Killarney	4 00@12 00
Carnations	2 00@ 4 00
Lily of the valley	3 00@ 4 00
Smilax	12 50@15 00
Asparagus, strings	50 00
" Sprengeri	3 00@ 4 00
Lilies	10 00@15 00
Adiantum	75@ 1 00
Violets	50@ 75
Cattleyas	75 00
Paper White Narcissus	2 00@ 3 00
Roman hyacinths	2 00
Sweet peas	50@ 75
Daffodils	1 00@ 3 00
Candytuft 25c per bunch	
Stocks 10 week	2 00
Snapdragon	3 00

BOSTON, April 22.

Roses, Beauty best	20 00@25 00
" " medium	12 00@16 00
" " culls	6 00@12 00
" Bride, Bridesmaid	1 00@ 2 00
" Extra	4 00@ 8 00
" Liberty	8 00@12 00
Carnations	1 00@ 2 00
" Fancy	2 00@ 3 00
Smilax	8 00@12 00
Adiantum	75@ 1 25
Asparagus	35 00@ 0 00
Harrissi	10 00@12 00
Callas	8 00@12 00
Daffodils	1 00@ 2 00
Narcissus	2 00@ 3 00
Sweet peas	50@ 1 00

and for whom he is sales agent, has been unable to attend to his duties for a week, being confined with a slight illness. In the meantime the head of the house is caring for this end of the business.

The Henry M. Robinson Co. was greatly pleased with the holiday trade, which was far above its best expectations. All sorts of stock was handled in great quantities and the superb stock of lily of the valley on hand met with great approval.

H. A. Calder presented to his patrons for the holiday trade a superb stock of his favorite product, Campbell violets, which were the envy of the growers of these flowers. Their quality at this time was remarkable. B.

Newark, N. J.

F. W. O. Schmitz, of Prince Bay, New York, who was an intimate friend of the late Ferdinand Bendt, has been appointed executor of the estate and will carry on the business until the orphan's court makes final disposition of the property. Mr. Schmitz is giving his personal attention to the business and everything is looking well. The Easter business exceeded that of last year.

WINONA, MINN.—Ed. Kirchner & Son had a splendid Easter trade. They are about to remodel their greenhouse plant and erect two new houses.

SANDUSKY, O.—The new greenhouse in the park is now assured. The $10,000 bond ordinance to provide the funds for the construction of the new and modern building which is to be located in the park west of Columbus avenue, between West park and Monroe streets, was given its third reading April 6 at the council meeting and by a vote of five to two on its final passage.

HOLLYWOOD, CALIF.—Under the auspices of the civic section of the Woman's club of this city the plant and flower show will be held in Wilcox auditorium April 30 and May 1. The committee on exhibits is composed of Mrs. J. B. Wilkinson, Mrs. S. P. Rhoades and Mrs. Will C. Parcher. Cut flowers, pot plants, fruits and vegetables, garden flowers and local wild flowers will be exhibited.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

Philadelphia, Pa.

Robert Kift,

1725 Chestnut Street.

Prompt and Careful Attention given to all Mail and Telegraph orders.

St. Louis.

LARGE BUSINESS DONE.

The market during the past week was somewhat crowded and stock up to last Thursday was piling up, but the wholesalers kept a stiff upper lip and there was no evidence of a break in the market. Carnations held a stiff price and even roses did not go below two cents in lots, but Saturday came and with it a firm market. But few carnations were sold under four and five cents, and it was poor stock that was sold at three cents. In roses 10 and 12 cents were asked for anything fancy. Some very fine sweet peas were in and were sold at $1.25 per 100, while but few were sold under 60 cents. Violets brought from $2.50 to $5 per 1,000. The only flowers that failed to move to any extent were bulbous stock. Tulips and jonquils were plentiful and were sold from $1 to $2 per 100. Quite a few callas were left over; smilax and other greens sold well. A large plant trade was done in the down-town market on Saturday.

NOTES.

At Geo. Waldbart's trade was immense; he had a splendid supply of flowering plants and his output of cut flowers was fully up to the standard.

W. J. and M. S. Vesey, of Fort Wayne, Ind., were much in evidence in the Easter market and contributed some fine stock, especially in roses.

J. W. Dunford was very busy at his retail establishment. He handled a fine crop of lilies and made good shipments to the commission houses.

It is rumored that another florist club will soon be started in this city. It is believed that practical florists only will be invited to join.

A. Jablonsky sent in a fine stock of roses; especially fine were Richmond and Chatenay. A fine lot of carnations was also sent in.

Heller Bros., of New Castle, Ind., sent heavy shipments to this market. They shipped a fine lot of roses and callas.

Frank Ellis is on a visit to his family from Panama. He was around to see all the boys, who gave him a hearty welcome.

At Young's load after load left the store of cut flowers and plants. Their supply this Easter was the finest in years.

At Angermueller's the supply was very large and the quality good. Heavy shipping orders were sent out Friday.

Alex. Siegel has now an increased space, the store having been remodeled. He did a very large trade.

Miss Newmann handled some of the choicest sweet peas in the market.

W. F.

PORTLAND, ORE.—Articles of incorporation of the Martin & Forbes Co. were filed in the office of the county clerk April 6 by W. Martin, James Forbes and Geo. Spencer. Their purpose is to engage in the nursery and florist business. Capital stock, $50,000.

OWATONNA, MINN.—The Floral Association held its regular monthly meeting April 1, when the plans and preparations were discussed and made for the work of the spring and coming summer. Few people realize how much this association has really accomplished in beautifying this city.

Detroit, Mich.

John Breitmeyer's Sons

Cor. Miami and Gratiot Aves.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Omaha, Neb.

Hess & Swoboda,

FLORISTS,

1415 Farnum St. TELEPHONES 1501 and L 1582

Kansas City, Mo.

Samuel Murray

...FflorIST...

1017 Broadway Coates House Conservatory

Both Phones 2670 Main.

Write, Telephone or Telegraph. All orders given prompt attention.

Los Angeles, Cal.

J. W. Wolfskill,

FLORIST,

Telegraph Orders a Specialty. 218 W. 4th St.

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HOUGHTON & CLARK,

FLORISTS

Telephone Connection. 396 Boylston St.

Seattle, Wash.

Woodland Seed & Floral Co.,

808 Second Avenue,

Will fill all orders for Cut Flowers, etc. for steamers for Japan and Alaska or any part of the Pacific coast. A. L. AABLING, Gen. Mgr.

Louisville, Ky.

JACOB SCHULZ,

644 FOURTH AVENUE.

Cut Flowers of BEST QUALITY in season, delivered promptly to any address.

Write, Telegraph or Telephone

Cumberland and Home Phones 223 and 984

Nashville, Tenn.

Joy Floral Co.,

610 CHURCH STREET.

Atlanta, Ga.

ATLANTA FLORAL CO.

41 PEACHTREE STREET.

Brooklyn, N. Y.

Robert G. Wilson

Fulton St. and Greene Ave.

Greenhouses: Short Hills, N. J.

— Deliveries in —

Greater New York, Long Island and New Jersey.

Trade orders from all parts of the country filled for delivery at residence, steamer, hotel, or theater on wholesale basis. Satisfaction guaranteed. Wire or telephone.

Evansville, Ind.

THE

Wm. Blackman Floral Co.

402 MAIN STREET.

Prompt attention given to all mail, telephone and telegraph orders.

Galveston, Tex.

Mrs. M. A. Hansen

—FLORIST—

Special attention to Telegraph or Telephone orders, 'Phone 1912.

St. Paul, Minn.

HOLM & OLSON,

ST. PAUL.

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in MINNESOTA AND THE DAKOTAS.

Rochester, N. Y.

J. B. KELLER SONS,

FLORISTS,

25 Clinton Avenue, N.

Rochester Phone 506. Long Dis. Bell Phone 2189.

Washington, D. C.

Blackistone

14th and H Streets.

New Orleans

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, 838 CANAL ST.

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address: "Daniels, Denver."

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Established in 1857.

Wittbold
FLORIST

1657-1659 Buckingham Place,
L. D. Phone 558 Lake View.
Send us your retail orders.
WE HAVE THE BEST FACILITIES IN THE CITY

Mobile, Ala.
Chatogue Greenhouses
TWO ACRES UNDER GLASS. ONLY HIGH CLASS FLORAL WORK SOLICITED.
Orders to be delivered at short notice in or near Mobile or New Orleans will be executed with fresh stock from our mammoth plant by our own artist at Mobile, or Mr. U. J. Virgin, New Orleans Orders by telegram at our expense. Address
F. P. DAVIS, Mobile, Ala.
Reference, R. G. Dunn & Co.

Pasadena, Calif.

A fine display of flowers, ferns and plants was put up at the third annual flower show of the Gardeners' Association, which was opened by Mayor Earley in a felicitous speech April 2. The two large tents in which the show is being held on Fair Oaks avenue, next to the Masonic temple, were crowded throughout the afternoon and evening. Horticulturists and others interested in flower culture came in large numbers from Los Angeles and other cities and towns of southern California. Great interest was shown in the exhibits of fruit and vegetables, which were new features of the show this year, as well as in the flowers and plants.

Two notable features were a magnificent collection of orchids exhibited by A. K. Macomber, Roderick Mackenzie, gardener, and Mrs. C. C. Bragdon's collection of cinerarias, exhibited by her gardener, John Coates. There are 18 of the latter, all with large and exquisitely tinted blossoms. The Macomber exhibit of orchids included 20 different varieties, many of them rare and unique. The wild flower section, to which many school children contributed, was of remarkable interest. A mammoth Boston fern 25 feet in circumference and carrying approximately 2,000 fronds, was exhibited by Hugh R. Thomas.

An exhibit of amaryllis, unsurpassed, as several experts declared, by any other in existence in the United States, was shown by Howard & Smith of Los Angeles. The same firm also showed some beautiful specimens of Sparaxis pulcherimma. Robert Pegg exhibited pink tree peonies 10 inches in diameter, and there were callas from Lawrence Newman's gardens with stems five feet long. Some specimens of giant dark red tulips were exhibited by F. T. Holder of South Orange Grove avenue, Otto Heutchy, gardener. The prize cup offered for the finest specimen of carnations and also two first prizes on carnations were awarded to Mrs. E. M. Fowler, John Blake, gardener. The best collection of fruits was also that from Mrs. Fowler's. James Gillvrey was awarded first prize for the finest display of vegetables. Superintendent Albrecht of the city parks had a fine exhibit of cut flowers and flowering shrubs, although he did not enter for competition. In the center of the main tent was a cemented lily pond with an exhibit of aquatic plants from the gardens of Henry E. Huntington, in charge of his gardener, Wm. Hertrich.

ASPARAGUS, BOSTONS, AZALEAS.
Plumosus Nanus, 2½-in., $3.50 per 100, $30.00 per 1000; 3-in., 6c; 3½-in., 10c; 4-in., 12c; 5-in., 20c; 6-in., 30c. Comorensis, 2-in., 2c; 2½-in., 3c; 3½-in., 6c. Sprengeri 2½-in., 3c; 3½-in., 8c; 4-in., 10c.
Bostons, 2½-in., 4c; 3-in., 8c; 6-in., 40c; 7-in., 65c; 8-in., $1.00 to $1.50; 10-in. $1.50 to $2.00.
Azaleas. We are now booking orders for Easter delivery. Our stock is the best in the west.
Phones Bell Forest 1453. Kinloch, Delmar 474 L.
J. W. DUNFORD, Kingshighway and Page Blvd., Greenhouses at Clayton, Mo
St. Louis, Mo.

Cut Flowers or Designs
Will be delivered for the Trade on Wire or Mail. Orders in Best Qualities and Prices.

St. Louis, Mo.
Fred C. Weber,
FLORIST,
Established 1878. Bell, Lindell 676. 4320-4328 Olive St.

San Francisco, Calif.
J. B. Boland Co.
Successors to Sievers & Boland.
FLORISTS,
47-49 Geary Street.

Cleveland, O.
The Cleveland Cut Flower Co.
Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

New York.
MYER, FLORIST,
609-611 MADISON AVE.
Phone 5297 Plaza.

WASHINGTON
D. C.
—
Gude's.

St. Louis, Mo.
WRITE, WIRE OR PHONE YOUR ORDERS TO
YOUNGS,
1406 Olive Street.
Regular discount allowed on all orders, either Plants or Cut Flowers.
Phones Bell, Main 2306. Kinloch, Central 4981.

Dayton, O.
Matthews,
—FLORIST—
16 W. 3rd Street.
Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones

Chicago.
HAUSWIRTH FLORIST
M. C. and J. E. Hauswirth.
Auditorium Annex.
Mail, telegraph or telephone orders filled promptly in best style.

Kansas City, Mo.
WILLIAM L. ROCK Flower Co.,
Will carefully execute orders for Kansas City and any town in
Missouri, Kansas or Oklahoma.

Milwaukee, Wis.
C. C. Pollworth Co.
Will take proper care of your orders in WISCONSIN.

Indianapolis, Ind.
Bertermann Bros. Co.
FLORISTS
.....241 Massachusetts Ave.

Albany, N. Y.
EYRES
Flowers or Design Work.
DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.
11 NORTH PEARL STREET,

Denver, Colo.
The Park ...Floral Co.
J. A. VALENTINE, President.

M. A. Bowe
IN HEART OF NEW YORK CITY.
Phone, 2270 38th St. 1294 Broadway, N. Y.
Our Motto—THE GOLDEN RULE.

Kansas City, Mo.
GEO. M. KELLOGG,
906 Grand Avenue,
KANSAS CITY and PLEASANT HILL, MO.
Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

Buffalo, N. Y.
Palmer's
W. J. Palmer & Son, 304 Main St.

The Seed Trade.

American Seed Trade Association.
Geo. S. Green, Chicago, Pres.; M. H. Duryea, New York, First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-sixth annual convention, June 23 to 25, at Hotel Ponchartrain, Detroit, Mich.

W. ATLEE BURPEE and wife, Philadelphia, Pa., returned from the south and sailed for Europe on the S. S. Adriatic, April 22.

ROBT. LIVINGSTON, of the Livingston Seed Co., Columbus, O., passed through Chicago, April 16, on a two months' trip to the Pacific coast, where he will visit Los Angeles, San Francisco and Seattle.

OF special interest just now is the caution given by Wm. R. Sim in his paper on sweet peas as to obtaining these true to name. Such instances as he cites would show the seedsman to be in fault and such errors as these would bring their own punishment to dealers without interference from congress.

CHICAGO.—The market for onion sets showed little change, with prices for good stock on April 21 at $2.25 for yellow, $3 for white and $2.50 for red. White and red are about cleaned up.——Grass seed contract prices on the board of trade April 21 were noted as follows: Prime Timothy, $4.25 (fillers); choice white clover, $14.

COLUMBUS, O.—The seed trade here has been very good, farmers and gardeners buying freely and they have the cash to buy with. There is an immense demand for reliable seed corn. The trade in shrubbery and other hardy plants is better than ever before. The mail trade is very satisfactory so far and holding up in good shape.

ALEX. FORBES, of Peter Henderson & Co., New York, at the hearing in Washington, protested earnestly that the proposed seed bill imposed a prison penalty on the seedsmen for accidental error, while allowing the farmers with impunity to knowingly and willingly permit the growing of vicious seeds in their grass fields and harvesting them at the same time as the genuine seeds.

IT is said that the Indians of Oklahoma clamor loudly for free seeds from congress. They plant them in their small gardens and eat them. It is not material to them whether the seeds are true to name or not, or how much it costs the national government to keep up the antiquated and senseless practice. This demand for free seed by the few red men on the government reservations is about the only one existent. In fact the intelligent farmers everywhere are rightly opposed to a government appropriation for such useless purposes. The money could be used in many other ways to the advancement of agriculture that would not be an imposition upon the intelligence of the farmer and a free-for-all graft for political congressmen.—Farmers' Guide, Huntington, Ind.

Braslan Seed Growers' Co.
Growers for the Wholesale Trade Only.
SAN JOSE, CAL.

Criminal Offense for Weight Errors.

Another example of uncalled-for misfit in the proposed seed law is found in the following paragraph which is copied exactly from the pure food bill, where it possibly had some use. It reads:

> If in package form, and the contents are stated in terms of weight or measure, they are not plainly and correctly stated.

Of 20 seedsmen consulted not one has ever heard complaints of short weight or short measure abuses in the seed trade. As Collier's Jap would say, "Why not Honorable Mann legislate also for hardware, nails, likewise sugar and salt weights?"

The Pure Seed Bill.

At an informal meeting April 21 in Representative Mann's office at Washington, D. C., there were present Representative Mann, President Geo. S. Green of the American Seed Trade Association, Chas. N. Page, Des Moines, Ia.; E. V. Hallock, Queens, N. Y.; A. J. Brown, Grand Rapids, Mich.; J. C. Vaughan and Chas. Dickinson, Chicago; T. W. Wood, Richmond, Va., and W. W. Tracy of the Department of Agriculture, Washington, D. C. There was a cordial and frank discussion of the pure seed bill and real progress was made toward an acceptable modification of it. At the hearing before the interstate and foreign commerce committee there were present, in addition to the above, E. L. Dungan, of Wm. Henry Maule, Philadelphia, Pa.; —— Smith (of Brecks, Boston, Mass.); F. W. Bolgiano, Washington, D. C.; J. M. Lupton, Mattituck, L. I., N. Y.; Jerome B. Rice, Cambridge, N. Y.; Alex. Forbes, of Peter Henderson & Co., New York; S. F. Willard, Wethersfield, Conn., and others. At the first session 13 representatives of the trade were present; at the later and main session only three attended. A stenographic report of the proceedings was made for publication, the speakers being President Geo. S. Green, Chas. M. Dickinson, H. W. Wood, S. F. Willard, Alex. Forbes, Jerome B. Rice, Walter P. Stokes, Chas. N. Page, E. V. Hallock, —— Smith and J. C. Vaughan. There was quite a full discussion of the difficulties of the situation and the meeting closed after five o'clock, with an assurance from Representative Mann that the bill would not be pressed for passage.

Closing the hearing the following resolutions were presented:

"WHEREAS, Representative James R. Mann has introduced into the house a bill, H. R. 13835, the main purpose of which is the prevention of the importation and use of inferior grass, clover and forage seeds or their adulteration in any form; second,

"WHEREAS, the American seed trade believes its industry primarily to be one of the most beneficent, helpful and necessary to the upbuilding of agriculture and horticulture which underlie the greatness of our country; and third,

"WHEREAS, the American seed trade fully recognizes the need of a wise, protective and practical measure in their own interests as well as that of every planter; and fourth,

"WHEREAS, the American Seed Trade Association here assembled is entirely in accord with that part of the proposed act which would exclude the importation of all misbranded seeds, containing adulterants as such, and of adulterants themselves, and would correct any abuses that may exist; and fifth,

"WHEREAS, the working out of a practical and operative law has proven as difficult here as in England and Canada,

"BE IT RESOLVED, that the American Seed Trade Association ask that sufficient delay be given for the appointment of a committee in the house committee having the bill in charge and a committee from the seed trade and experts in the Bureau of Plant Industry to make such an adjustment of Mr. Mann's bill as the practical workings of the act seem to require."

The foregoing resolutions were signed by President Green, Jerome B. Rice, Chas. Dickinson, Walter P. Stokes and J. C. Vaughan.

National Secretary Condemns Bill.

Mr. J. C. Vaughan,
The New Willard Hotel,
Washington, D. C.

Dear Sir:

I have learned with surprise and much regret that a most drastic bill has been introduced in congress, bearing upon the seed business.

The seed business is a most peculiar and difficult one, very intricate in its details and full of difficulties which the ordinary man does not know and cannot appreciate.

Any legislation adopted without careful consideration and consultation with the best growers, sellers and users of seeds is bound almost to a certainty to be bad in its effect on the business of perhaps the most progressive, the most enterprising and, so far as my quarter of a century's active experience in buying and using seedsmen's products goes, one of the most honorable and upright classes of business men in the country. I know of no class of men who have approached the seedsmen in the amount of work that they are doing in a broad and intelligent way to beautify the homes of the people and to banish the ugly and unsightly. I know, too, from long years of business acquaintance with yourself and many other leading seedsmen what ceaseless vigilance is displayed, what enormous sums of money are expended and how strenuously each vies with the other in increasing the standard of purity and excellence in his products.

Rogers Brothers,
SPECIALTY GROWERS.
Purest Strains GARDEN PEA and BEAN SEED.
For the Wholesale Trade. ALPENA, MICH.

Seed Beans
F. L. HOGUE,
CARPINTERIA, CAL.,
Grower for the Wholesale Trade only.

Waldo Rohnert
GILROY, CAL.
Wholesale Seed Grower
Specialties: Lettuce, Onion, Sweet Peas, Aster Cosmos, Mignonette, Verbena, in variety.
Correspondence solicited.

I also know that all of this honest, intelligent and painstaking effort that is being made and this great expenditure of money never results in certainty and never can, and that any restrictions imposed, unless most carefully considered by those competent to know, will simply result in penalizing honest and upright tradesmen for things utterly beyond their power to control.

Of course we have the dishonorable and unscrupulous always with us, but so far as my experience goes the percentage of such men in the seed business is very small, and dishonesty in that line automatically brings its own punishment, perhaps to a greater degree than in any other line of business.

I trust that you will make every effort to have this bill withdrawn and submitted to this society for consideration. It is needless to call your attention to the fact that this society is incorporated under a national charter, that it comprises the leading men in all branches of ornamental horticulture throughout the country, and I believe it can speak with authority as to what legislation is advisable and as to what is unadvisable.

Very truly yours,
W. N. RUDD,
Secretary of the Society of American Florists.
April 18, 1908.

W. J. Eldering & Son,
Wholesale Bulb Growers and Dealers.
OVERVEEN. HAARLEM. HOLLAND.
Headquarters for High Grade Hyacinths, Tulips and Narcissi. We do not sell at Retail. Write for special quotations on large quantities.

C. C MORSE & CO.,
SEED GROWERS,
Address all communications to our permanent address
48 to 56 Jackson St., SAN FRANCISCO.
ONION, LETTUCE, SWEET PEAS. and other California Specialties.

MICE PROOF SEED CASES.
SEND FOR BOOKLET.
HELLER & CO., Montpelier, O.

S. M. ISBELL & CO.
JACKSON, MICH.
Contract Seed Growers,
Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.
Correspondence Solicited.
Write for Prices on Surplus Stocks for Immediate Shipment.

Telegraph Code
Am. Seed Trade Association
$2.00
In either stiff or flexible cover. Address orders
AMERICAN FLORIST CO., CHICAGO.

ONION SETS.
WE ARE HEADQUARTERS
YELLOW - RED - WHITE
WRITE FOR PRICES.
SEEDS Leonard's Vegetable Seeds Are The Market Gardeners' Standard.
Largest Growers of Peas, Beans, and Garden Seed in the Central West.
Catalogue Now Ready. Send For It.
Leonard Seed Co., = CHICAGO.

Canary Islands Onion Seed
BERMUDA, Red and White. Also CRYSTAL WAX.
Choicest Seed at Moderate Prices
We don't sell direct to truckers.
Kuhner, Henderson & Co., TENERIFFE, CANARY ISLANDS.

LAWN GRASS SEED in Bulk and Packages
Dickinsons, Evergreen, and Pine Tree Brands
SPECIAL MIXTURES SEED FOR GOLF GROUNDS
MINNEAPOLIS THE ALBERT DICKINSON CO. CHICAGO

ONION Sets

Write for samples and prices
Seed Potatoes, Red River Stock.....
VAUGHAN'S SEED STORE, Chicago.

CAULIFLOWER CABBAGE SEED
HJALMAR HARTMANN & CO.
31 Barclay St. NEW YORK. 12 Stormgade, COPENHAGEN, DENMARK.

Peas AND Beans
Alfred J. Brown Seed Co.,
GRAND RAPIDS, MICH.

VANZANTEN BROTHERS
Royal Netherlands Bulb Nurseries and Export Trade.
HILLEGOM, HOLLAND.
Wholesale growers of the leading sorts of Hyacinths, Tulips, Narcissus Crocus, Spiræas, Gladiolus, Pæonies, etc., etc. We further ask your attention to our superior quality and special prices of French Bulbs, Roman Hyacinths, Paper White Gr., etc. Ask quotations from our traveler
MR. G. HYLKEMA,
care of Messrs. Maltus & Ware,
14 Stone St., NEW YORK.
Who will also send you, on demand, catalogue and special prices of all
HOLLAND BULBS AND PLANTS.

PROCEEDINGS
Of the Congress of Horticulture held at the Jamestown Exposition, September 23, 1907,
Linen Bound. 108 pages. Price, 25c.
This publication includes the formal addresses and discussions of the papers read at the meeting which covered the various phases of Horticulture. This meeting was pronounced by Horticultural authorities as one of the greatest Horticultural meetings ever held in a single day,
For copies address
H. C. IRISH, Sec'y,
National Council of Horticulture, Missouri Botanical Garden, St. Louis, Mo.

NOW READY 1908 EDITION Trade Directory.

BOOK YOUR ORDER NOW FOR NEW SEED.

SEEDS SEEDS SEEDS

CYCLAMEN.

Our specialty for 35 years. Collection awarded Gold Medal at Regents Park.

Grandiflora Alba, the largest giant White grown. See block 1 year old plant.

Ourown, certificate at R. B. S.
Mont Blanc, certificate at R. H. S.
Baroness Burdett-Coutts, certificate R. H S.
Crimson King, certificate at R. H. S.
Duke of Connaught, certificate at R. H. S.
Prince of Wales, Award of Merit, R. H. S.
Princess May, Award of Merit, R. H. S.
Rosy Morn, certificate at R. B. S. & R. H. S.
Picturatum, certificate at R. B. S. & R. H. S.
Dame Blanch, certificate at C. P.
Duke of Life, certificate at R. B. S.
Brilliant, certificate at R. B. S and C. P.

Sunray, giganteum variety, fine. Full list of varieties sent on application.

PRIMULA SINENSIS,

These are in seven DISTINCT colors.

We can serve you well. Special attention given to the correct fertilization of all seed blooms.

ST. GEORGES NURSERY CO.,

Floricultural Seed Growers for the Trade

Terms net cash with order.
Lists and quotations free.

HARLINGTON, Middlesex, ENG.

MARKET GARDENS.

WHERE celery is transplanted before going to the trenches nip the end off the root of each plant and prick out on a hard bottom.

PLENTY of air, plenty of potash in the soil and firm planting are the three great essentials in tomato culture.

LEEKS must have a long season of growth and should be sown early.

THE value of a little loose litter around rhubarb and similar roots as a protection and hastener of the crop should not be lost sight of.

AGAIN a shortage of mint in many towns. Why will not growers take hold of these little and profitable side lines.

Making a Mushroom Bed.

ED. AMERICAN FLORIST:—

Please advise me through your columns how to make a mushroom bed. I have no greenhouse. Would a cellar or shed answer for that purpose and which is the proper time to start one?

A. S.

For mushroom growing a greenhouse is not needed. Any building which protects the crop from rain, wind and cold will do. Mushrooms do best in a moderate temperature, say from 45° to 56°; they are easily hurt by drip; the air should be moist and stationary, no drafts; light is not needed. They are really a winter crop, because it is easier to heat a structure than to cool it down. When warm weather sets in, insects often attack the crop and ruin it. Generally the first beds are prepared in September or October, and the last in March.

To make a mushroom bed use fresh horse manure, such as one would get in a livery barn. It should be from grain-fed animals, bedded with hay or straw. Sawdust or shavings are not suitable. Shake out the coarsest straw and throw the material into a heap to start heating. It should be moderately moist, neither wet, nor at all dry. As soon as heating has commenced, fork the pile over to prevent burning and repeat this three or four times every two days. When the material assumes a dark brown or blackish color and smells rather sweet it is ready to form into beds. These may be 15 to 18 inches deep and of any suitable width or length; pack down firmly and wait three or four days to allow reheating. Try with a thermometer and if not higher than 85° or 90°, insert spawn every 10 or 12 inches apart each way. Place the spawn an inch or two deep, and cover the whole beds with a light dressing of loam, say two inches deep, to hold heat and moisture, and form a firm rooting place for the crop. Mushrooms dislike to be watered, hence, moisture should be preserved rather than supplied.

MARKETMAN.

TO THE TRADE

HENRY METTE QUEDLINBURG, GERMANY.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspurs, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, mixed), the most perfect and most beautiful in the world, $5.00 per oz.; $1.50 per ¼ oz.; 75c per 1-16 oz. Postage paid, Cash with order.

All seeds offered are grown under my personal supervision on my own grounds of more than 3,000 acres, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

List of my novelties in flower seeds for 1908 sent on application.

Prices of Indoor Vegetables.

The prices of indoor vegetables at leading points April 18 were as follows: New York, cucumbers, No. 1, 50 to 75 cents per dozen; No. 2, $2.50 per box; lettuce, 25 cents to $1.25 per dozen; mushrooms, 25 cents to 60 cents per pound; mint, 40 cents to 50 cents per dozen bunches; radishes, $1.25 to $2 per 100 bunches; rhubarb, 40 cents to 60 cents per dozen bunches; tomatoes, 15 cents to 25 cents per pound. Chicago, cucumbers, 75 cents to $1.35 per dozen; radishes, 50 cents to 60 cents per dozen bunches; mushrooms, 35 cents to 65 cents per pound. Boston, tomatoes, 30 cents to 40 cents per pound; cucumbers, $6.50 to $7 per box. Pittsburg, cucumbers, $8 to $8.50 per box.

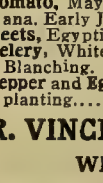
NORTH YAKIMA, WASH.—The Horticultural Association has taken steps to put the saloons of the city out of business. At a meeting in the Summit View schoolhouse a committee was appointed to see the commercial club and the city council and protest the granting of licenses.

Vegetable Plants.

	Per 100	1000
Tomato, Mayflower, Lorillard, Earliana, Early Jewel, Early June Pink...	$0 30	$2.00
Beets, Egyptian and Crosby's.....	.20	1.25
Celery, White Plume and Golden Self Blanching.....	.20	1.25
Pepper and Egg Plants, ready for transplanting.....	.40	2.00

R. VINCENT, Jr. & SONS CO.,

WHITE MARSH, MD.



FLORISTS have a splendid opportunity of raising Mushrooms by utilizing the waste space under the benches, and then utilizing the waste material of expended mushroom beds in growing flowers. Lambert's Pure Culture MUSHROOM SPAWN, the best spawn in the market, is sold by all leading seedsmen. A fresh sample brick, enough for a trial bed, together with illustrated book on "Mushroom Culture," will be mailed postpaid upon receipt of 40c in postage stamps. Address American Spawn Company, St. Paul, Minn.

If You Want a Really Successful Crop of Mushrooms use only

JOHNSON'S

MUSHROOM SPAWN

NOTE THE ADDRESS

JOHNSON'S LTD.,

44 Bedford Row, LONDON, ENGLAND.

Don't Forget!

TO WRITE US

For Prices on any thing in our Line.

St. Louis Seed Co.

"The Home of Pure and Sure Seeds."

784-786 N. 4th St. St. Louis, Mo.

Surplus for Sale.

600 to **800** whole undivided field grown **Dahlia Roots,** Cactus, Show, Fancy, and Pompon in 50 best varieties, at **$5.00** per 100.

500 or more 3-year roots **Clematis** paniculata, first size **$10.00** per 100; 2nd size, **$8.00** per 100.

16 flats, 225 each, Transplanted **Pansies** Vaughan's International Strain, **$1 50** per flat. Will make fine plants for Decoration Day.

E. HAENTZE,

FOND DU LAC, - WIS.

CANNAS

Austria, Allemania, Alsace, Bouvier, Capt. Drugeon, C. Henderson, J. D. Eisele, Florence Vaughan Kate Gray, Pres. Viger, Pennsylvania, Pres Meyer, Souv. de Ant. Crozy, $2.50 per 100; $20.00 per 1000. David Harum, $4.00 per 100; $35.00 per 1000. Egandale (3 in. pots only), $5.00 per 100 King Humbert, the king of all Cannas an extra large stock from strong 4-in. pots, $25.00 per 100.

Boston Ferns, Scottii, Elegantissima and Whitmanii, we have many thousand to offer from 2¼- to 4-in. at rock bottom prices. Can offer special bargains in R. C. **Beacon Carnations.** Write us for special prices.

W. W. COLES, Kokomo, Ind.

NEW PLANTS

GLADIOLUS Lemoinei and Nancianus.

V. LEMOINE & SON, Nancy, France.

Catalogues on application.

Imports.

During the week ending April 18, imports were received at New York as follows:

Hy. Bischoff & Co., 58 tubs laurel trees. One case plants.

P. Ouwerkirk, 67 cases trees.

Cleary's Horticultural Hall, 20 cases plants.

C. C. Abel & Co., 16 cases plants.

W. Elliott & Sons, seven cases trees.

C. F. Meyer, two cases plants.

A. Rolker & Sons, two cases plants.

H. F. Darrow, 21 pkgs. seed.

J. Glass, 50 cases lily buds.

Hy. Nungesser & Co., 24 bags clover seed.

Vaughan's Seed Store, two bags garden seed.

To others, 292 cases plants, 124 pkgs. plants, 165 pkgs., 24 cases trees, 126 tubs laurel trees. Nine bskts. plants, 643 boxes lily buds, 692 plants, 303 bags seed, 816 bags clover seed, 20 bags sunflower seed.

NEW CANNAS 1908

Rosea Gigantea. This beautiful variety has extra large flowers which are borne in such abundance that the mass of color on each plant is amazing. Single petals are 2½ inches across; color, a deep rich rose, almost a coral carmine. Plants make a vigorous growth, producing unusually fine clumps of green foliage. Height, 4 feet. (A great favorite with visitors to our trial grounds.) Strong plants, **$2.00** each, prepaid; **$18.00** per doz., by express, not prepaid.

Gladio-Flora. Remarkable for the unusual shape of the flowers which look like large Gladiolus. Petals are not long, but short and rounded and so wide they overlap each other, thus giving a very attractive appearance to the flowers. Color is crimson changing to carmine rose with an uneven edge of gold to each petal. Height, 3½ feet. Price, strong plants, **$2.00** each, prepaid; **$18.00** per doz., by express, not prepaid.

Meteor. Meteor is a vigorous grower with healthy green foliage. It is highly valued because of its magnificent flowers, fully four inches across, and abundance of bloom. Color is a deep crimson, very rich; each plant usually throws up five to six trusses of buds which continue blooming luxuriantly all summer through. Price, plants of dormant roots, **75c** each, postpaid; **$6.00** per doz., by express, not prepaid.

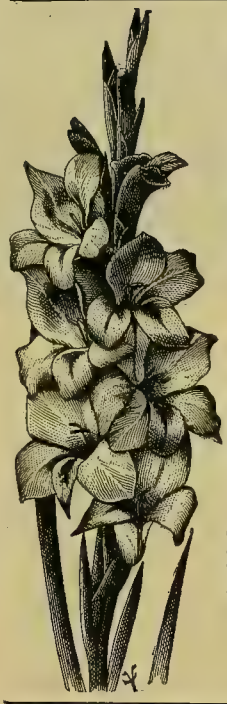
NEW CANNAS OF SPECIAL MERIT.

William Saunders. (1907) The flowers are large, of splendid form and are borne very freely in immense clusters. The color is a deep rich shining scarlet lightly dappled with crimson. Foliage is a rich bronze. Height, 3½ to 4 feet. We believe that Wm. Saunders is decidedly the most perfect Canna of this type that has been introduced. Those who tried Wm. Saunders in 1907 say it cannot be excelled. We offer plants only: **60c** each, postpaid; **$5.00** per doz., **$35.00** per 100, by express, not prepaid.

60 other varieties. Send for our list and prices.

The Conard & Jones Co.,

WEST GROVE, PENNSYLVANIA



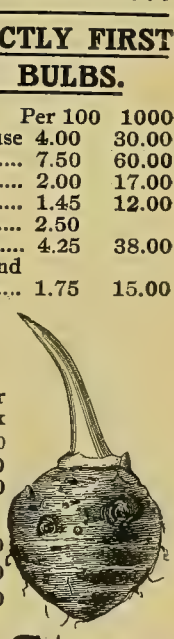
Gladiolus STRICTLY FIRST SIZE BULBS.

	Per 100	1000
Mrs. Francis King, best scarlet for florists' use	4.00	30.00
America, fine pink	7.50	60.00
Augusta, pure white, blue anthers	2.00	17.00
Brenchleyensis, intense scarlet	1.45	12.00
"1900," a very rich shade of red	2.50	
Shakespeare, pure white, blotched pink	4.25	38.00
Florist Mixture, made from named light and white varieties; comprises best there is	1.75	15.00

CALADIUMS.

Sound bulbs. Live center shoots. Ten per cent discount if shipped from our New York store.

	Per 100	Per 1000
7-9-inch circumference	$3 50	$32.00
9-12-inch "	6.00	55.00
12-inch "	14.00	
Cinnamon Vines, large bulbs	2.75	22.50
Lily of the Valley, clumps	2.75	20.00
Madeira Vines, large tubers	1.25	10.00



Vaughan's Seed Store,

CHICAGO. NEW YORK.

Caladium Esculentum (Elephant Ears.) The king of foliage plants. The bulbs are ready sellers at good profits, both for florists and store trade. Our bulbs are first-class. Prices low:

5 to 7-inch bulbs, per 100 $1.50, per 1,000 $12.00
7 to 9 " " " 2.25, " 20.00
9 to 11 " " " 3.75, " 34.00

TUBEROSE, Pearl, No. 1, 4 to 6 inches circumference, $6.00 per 1,000.

Prices include packing and delivery on cars here.

T. W. WOOD & SONS, Seedsmen, Richmond, Va.

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,

Successors to L. K. Peacock, Inc., ATCO, N. J.

GLADIOLI

Madeira Vine,

Hyacinthus Candicans,

Spotted Calla,

Oxals, summer blooming, Cinnamon Vine Roots, German Iris, Delphinium Formosum, Lilies, etc.

—Write for Price List.—

E.S. MILLER, Wading River, N. Y.

The Nursery Trade

American Association of Nurserymen.
J. W. Hill, Des Moines, Ia., President; C. M. Hobbs, Bridgeport. Ind., Vice-President; George C Seager, Rochester, N. Y., Sec'y.
Thirty-third annual convention to be held at Milwaukee, Wis., June 10-12, 1908.

CLYDE, O.—Mark Summers, of Findlay, has purchased a nursery here.

GREENWOOD, IND.—S. Billingsley reports business rushing, with a special large demand for black locust.

MANY large orchards of the improved varieties of chestnuts are to be found in Maryland. Pennsylvania, New Jersey and New York.

THE Albany Georgia Pecan Co. has purchased a large tract of land at Hardaway, Ga., and has already planted 400 acres in choice pecans.

A GREAT deal of planting of trees and shrubbery, and the formation of a number of new flower beds is in progress at the Maplewood cemetery, Maplewood, Ind.

PAULOWNIA IMPERIALIS is hardy in sheltered positions even as far north as Chicago. It has stood outside for years near the greenhouses in Washington park.

A RECENT bulletin of the Bureau of Plant Industry of the Department of Agriculture is entitled the "Decay of Oranges While in Transit From California," by G. Harold Powell, 71 pages and nine plates, colored and halftone.

THOUGH not suited to close hard city streets the elm, one of the grandest trees in America or any other country, is fine for planting in wide, open, suburban thoroughfares and the sight of it is very refreshing to townsmen. It reaches its best development in light, moist soil.

IN Georgia fruit growers buy lizards in large quantities and turn them loose in their orchards. These lizards are the especial foes of the short-horned grasshoppers, a common farm pest. Examinations of the stomachs of dozens of lizards at the state zoological laboratory shows their diet to have been composed entirely of grasshoppers, beetles and other destructive insects.

Prunus Triloba Flore Plena.

What a beautiful object this double flowering Chinese plum is, when the branches of a well developed individual are wreathed with the lively rose-pink blossoms. The typical single flowering form is a rare inhabitant of gardens, but the double flowering variety has been quite extensively disseminated by some nurseries. It is, unfortunately, liable to attack from that fatal blight which victimizes a number of Chinese and Japanese shrubs and trees in this part of the world, and it is not often that it attains the size of the one seen in the illustration.

Every one who loves beautiful hardy flowering trees and shrubs, should plant this double flowering plum, if they are not already in possession of it, and if it fails with them in a few years' time, try it again. If we should give up attempting to grow this or that, because it is liable to be attacked by some fungoid or insect scourge, we would probably lose a great many of the enjoyments of horticultural life. Prunus triloba flore plena usually flowers from the beginning to the middle of May in western New York, and the flowers are mostly in advance of the leaves. When planted in a sheltered situation, by the lay of the land, it is quite hardy here.

JOHN DUNBAR.

American Association of Nurserymen.

THIRTY-THIRD ANNUAL CONVENTION.

For the thirty-third consecutive year the nurserymen of the United States will meet, June 10-12, at Milwaukee. In looking after legislation; favoring good laws, opposing bad ones, and securing reasonable freight tariffs alone, the value of the work done by this association cannot be over estimated. At a conservative figure the amount saved in freight rates during the past two years is $100,000. Every nurseryman, be he grower, dealer or agent, shares in this benefit. About 500 out of more than 3,000 nurserymen do the work and pay the bills. Will you come in this year and do your part?

PRUNUS TRILOBA FLORE-PLENA.
Growing on a Private Estate at Rochester, N. Y.

RAILROAD RATES.

A satisfactory concession is now practically assured. The Western Passenger Association, having reconsidered its first decision to announce no reduction for our convention, later made the following announcement:

Western Passenger Association,
Chicago, March 19, 1908.
Annual Convention American Association of Nurserymen, Milwaukee, Wis.
Geo. C. Seager, Sec'y.

Dear Sir—Referring to recent correspondence relative to reduced fares account above named occasion: This question was given further consideration at recent meeting of the association and, in accordance with action taken at that time, round trip rate of two cents per mile in each direction will be tendered to other associations for basing purposes for your convention, tickets to be sold on June 6-11, inclusive, good to return leaving Milwaukee until and including June 16, 1908.

Again under date of April 7, 1908, Chairman MacLeod of the Western Passenger Association wrote:

Geo. C. Seager, Sec'y.

Dear Sir—Referring to our letter of March 23 and previous correspondence relative to reduced fares account above named occasion: Beg to advise that summer tourist tickets will be on sale to Milwaukee from points in Western Passenger Association territory daily from June 1 to September 30, inclusive, with return limit to October 31, 1908, at fares based about two cents per mile in each direction. These fares will be available for your convention and have been tendered to connecting lines for basing purposes.

According to past experience this means that a concession on the basis of the rate stated in the above correspondence will be granted by the various passenger associations having jurisdiction in territories from which a reasonable number may be expected to attend the convention. Those outside of favored territories should take up the question early so that they may obtain the benefit from the nearest point from which reduced fares are available.

The Trans-Continental Passenger Association has announced special fares from North Pacific coast points to Chicago and other eastern terminals—dates of sale June 5-6. Also reduced fares from California points, date of sale June 3. These tickets will be good for 90 days and approximate one first-class plus $10 for the round trip.

Special train—Chicago to Milwaukee. Those who remember that most enjoyable trip made by special train from St. Louis to Dallas in 1906, will be delighted to learn that arrangements are being completed for special train from Chicago to Milwaukee on June 9.

Carl Cropp of Vaughan's Seed Store, and Benj. E. Gage of the Peterson Nursery Co., have kindly consented to act as a special local committee in Chicago to perfect arrangements as to starting time, to provide a general meeting place and to make all as comfortable and happy as possible, while the "round up"

Dreer's Hardy Climbers.

	Per doz.	Per 100
Clematis Hybrids, such as Jackmani, Jackmani Superba, Henryi, Duchess of Edinburgh, Fairy Queen, Sieboldi, Gipsy Queen, Lilacina, Floribunda, Mme. Baron Villard, Mme. Van Houtte, Miss Bateman, Standishi, The Gem, The President and Ville de Lyon, all in strong two-year-old plants	$3.00	$20.00
Clematis Montana Grandiflora, new early flowering variety, very desirable	35c each	3 00
Clematis Montana Rubens, new, identical with above, except that in color it is of a soft rosy red, distinct, novel and a great acquisition	75c each	8.00
Akebia Quinata, strong two-year-old plants	1.25	8.00
Ampelopsis Veitchii, strong two-year-old	1.50	10.00
Ampelopsis Virginica and Engelmanii, strong two-year-old	1.25	8.00
Aristolochia Sipho, extra heavy	4.00	30 00
Bignonia Grandiflora, strong roots	3 00	20.00
Honeysuckles Halleana, Evergreen and Variegated, strong 4-inch pot-grown plants	1.00	7.00
Honeysuckle Heckrothi, strong two-year-old	1.75	12.00
Ipomea Pandurata, dormant roots	.50	4.00
Lathyrus Latifolius Albus	1.00	7.00
" " **Splendens**	1.00	7.00
Kudzu Vine, strong one-year-old	1.00	7.00
Schizophragma Hydrangeoides, Climbing Hydrangea, strong pot-grown plants	75c each	7.50
Wistaria Sinensis, heavy two-year-old	3.50	25.00
" " **Alba,** heavy two-year-old	4.00	30.00

HENRY A. DREER, —714— Chestnut St., **Philadelphia, Pa.**

Grand Rapids Nursery Co.,

Grand Rapids, Mich.
Choice Hardy Michigan Trees, Shrubs, Fruit Trees and Small Fruits.
LANDSCAPE WORK A SPECIALTY.
Chicago Agent: **J. A. SELLARS,**
409 W. Van Buren Street.
Residence, 494 Douglas Boulevard.

LARGE TREES.

OAKS and MAPLES.
PINES and HEMLOCKS.
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA

for the special train is going on. Inquiries regarding this feature of the trip may be addressed to this committee.

MILWAUKEE.

A bright spot.—The convention of 1902 in Milwaukee was a most enjoyable and profitable one. Every effort is being made to render the coming gathering more interesting and profitable. The exhibits in charge of the committee of which T. B. Meehan is chairman are becoming a feature which no live nurseryman should miss.

HOTEL RATES.

In a letter addressed to H. Stanley Green, manager of the Plankinton house, the secretary asked for confirmation of his understanding of the hotel proposition which was outlined as follows:

Rates:—American plan, for one person without bath, $3 a day and upward; with bath, $3.50 per day and upward; two persons without bath, $6 a day and upward; with bath, $6.50 and $7 a day and upward. In connection with these rates you suggest that our members make reservations as early as possible and in that case, if you are unable to reserve room at the rate desired, you will suggest how that rate may be obtained by taking a room with others, say two, three or four people as the case may be, and that you have more rooms at the minimum rate than at the higher rate.

I presume it is unnecessary for me to

BOX TREES.

We have just received a car load of beautiful, shapely Box Trees, the best we ever had, in all sizes and shapes.

PYRAMIDAL SHAPED—Fine, Shapely, Compact Trees.

Base	Each	Base	Each
2 ft. high, 18 in.	$1.25	4 ft. high, 2 ft.	$3.00
2½ ft. high, 18 in.	1.50	5 ft. high, 2½ ft.	5.50
3 ft. high, 20 in.	2.00	6 ft. high, 3 ft.	7.00
3½ ft. high, 22 in.	2.50		

STANDARD OR TREE SHAPED BOX.

Full, compact, well shaped heads.	Each.
24 in., clear stem, crown 18 to 20 in.	$2.00
24 in., clear stem, crown 24 in.	3.00
18 in., clear stem, crown 34 in.	3.50
24 in., clear stem, crown 34 in.	4.50

GLOBE SHAPED BOX TREES.

	Each.
12 in. diameter Globes, 3-4 in. clear stem	$1.50
18 in. diameter Globes, 3-4 in. clear stem	2.25

BABY BOX TREES, 12-18 in. Stem.

	Each.
Crown 10 in. diameter	$ .75
Crown 12 in. diameter	1.00

Prices do not include tubs. Roots are done up in burlap. These prices good only until April 20th. Order at once.

Vaughan's Seed Store, 84-86 Randolph St. CHICAGO. 14 Barclay St., NEW YORK.
Greenhouses and Nurseries, Western Springs, Ill.

ARBOR VITÆ

(Thuya Occidentalis.)
A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.
THE WM. H. MOON CO.,
Morrisville, Pa.

AZALEAS (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Coniters, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Jacs Smits, Ltd. NAARDEN, (Holland.)
Price list free on demand.

THE
Storrs & Harrison Co.

PAINESVILLE NURSERIES.
CATALOGUES AND PRICE LISTS FREE ON APPLICATION.....
PAINESVILLE, OHIO.

NEW
Surplus Shipping List
NOW OUT.
Send for one. Low prices. Fine stock.
PETERSON NURSERY,
Lincoln and Peterson Avenues, CHICAGO.

Berberis Thunbergii

18 to 24-in., 12 to 18-in., all well branched and good roots. **10,000 Vinca Minor,** (Grave Myrtle). **5,000 Red Oak,** 3 to 5 ft. **Norway Spruce,** 12 to 18-in. Full line of stock.
OAK HILL NURSERIES, Roslindale Mass

BOBBINK & ATKINS,
Rutherford, N. J.,

Bay Trees, Palms, Buxus, Azalea Indica, Rhododendrons, Evergreens, Herbaceous Plants, Roses, Trained Fruit Trees, Greenhouse Grape Vines. Ask for catalogue.

HARDY PERENNIALS

	Field	2¼ or 3-in.	Seedl. & tr'pl.
Achillea Ptarmica, The Pearl	$4.00	$3.00	$1.00
Acanthus mollis	....	6.00	....
Adonis vernalis	....	6.00	....
Agrostemma coronaria	6.00	5.00	....
Anemone in varieties	....	5.00	1.50
Anemone sylvestris	5.00	....	....
Anthemis tinctoria Kelway	4.00	....	1.00
Aquilegia in varieties	5.00	....	1.50
Armeria formosa, Sea Pink	....	4.00	1.50
Asclepias tuberosa and hallie	....	5.00	....
Asters, perennial mix	5.00	....	....
Baptisia australis	....	5.00	....
Bellis, mammoth pink	2.00	....	....
Bocconia Japonica	5.00	4.00	....
Campanula, in var. double and single	5.00	4.00	1.50
Cerastium tomentosum	5.00	5.00	....
Chelone, Shell Flower, fine mix	5.00	4.00	1.50
Chrysanthemum, fine sing. and doub. mix.	....	2.25	....
Coreopsis lanceolata grdf.	5.00	4.00	1.50
Delphinium, in varieties	....	6.00	2.00
Dielytra spectabilis and formosa	6.00	....	....
Digitalis grdf and gloxiniaflora	....	4.00	1.50
Echinops Ritro	....	5.00	....
Eryngium amethystinum	5.00	....	1.50
Eupatorium Frazerii	....	5.00	....
Ferns, hardy mixed	6.00	....	....
Funkia, mixed	5.00	....	....
Gaillardia grandiflora	5.00	4.00	1.00
Grasses, American pampas	6.00	....	1.50
Grasses, Eulalia pennivilatta	5.00	....	....
Gypsophila paniculata and acutifolia	....	5.00	2.00
Helenium Bigelovii	....	5.00	1.50
Helianthus, in varieties	4.00	4.00	....
Heliopsis Pitcheriana	4.00	4.00	....
Hemerocallis, in var. and mixed	5.00	....	....

	Field.	2¼ or 3-in.	Seedl & tr'pl
Hollyhocks, in separate colors	$....	$2.25	$....
Iris, German mixed	4.00	....	....
Iris, Japanese	10.00	....	....
Lathyrus latifolius	5.00	4.00	....
Linaria Cymbalaria	....	4.00	1.50
Linum perenne	....	5.00	....
Lobelia in varieties	....	4.00	2.00
Lychnis Haageana	....	5.00	....
Mentha piperita	3.00	....	1.50
Monarda didyma	5.00	4.00	1.50
Myosotis, in var.	4.00	3.00	1.50
Poppy, orientalis, in var.	5.00	....	2.00
Peonies, in varieties named	12.00	....	....
Peonies, mixed	8.00	....	....
Pentstemon	5.00	....	1.50
Phlox, in var. fall cut	5.00	2.50	2.00
Physostegia Virginica and alba	4.00	....	1.50
Pinks, hardy in var.	5.00	2.50	2.00
Platycodon, in var., blue	5.00	4.00	1.50
Potentilla formosa	....	4.00	2.00
Pyrethrum roseum, double and single	8.00	8.00	....
Rudbeckia, in var.	5.00	4.00	1.50
Salvia argentea and azurea	5.00	4.00	....
Shasta Daisy, in var.	5.00	4.00	1.50
	....	....	2.50
Solidago Canadensis	....	4.00	1.50
Statice latifolia	5.00	5.00	....
Stokesia cyanea	4.00	....	1.50
Sweet william	4.00	3.00	....
Thalictrum adiantifolium	5.00	....	....
Tritoma Pfitzeri	8.00	5.00	....
Veronica spicata	4.00	4.00	1.25
Vinca minor	5.00	2.50	....
Violets, hardy	4.00	....	2.00
Yucca filamentosa, large 3 years 2 yr.	10.00	6.00	1.50

See Classified Advs. for FERNS and BEDDING STOCK.

The Mosbæk Greenhouse Co., Onarga, Ill.

ask also that letters from our members asking for reservations be in all cases acknowledged. I have found that in some cases hotels simply make reservations and do not reply. In that case it leaves our members in some doubt as to whether or not they are provided for.

Answering this letter, under date of November 26, Mr. Green confirmed the proposition in every detail. And further stated that any points that might come up from time to time he would be glad to answer or confirm.

Members should note particularly the suggestion regarding reservation of rooms in advance. They should state the rate they are willing to pay and ask Mr. Green to make such suggestion as will secure accommodation at the rate desired.

EXHIBITS.

Dreshertown, Montg. Co., April 1, 1908.
Geo. C. Seager, Sec'y.

Rochester, N. Y.

Dear Sir—This committee has secured two large rooms on the first floor of the Plankinton hotel. In these rooms will be exhibited colored plates, lithographs, labels and all smaller exhibits. The heavier exhibits will be placed in a vacant store on the ground floor of the hotel. From present indications, there will be ample room for all exhibits. The committee desires entries for exhibits of everything that will interest nurserymen, including nursery stock, tools of all descriptions and useful office appliances, records, etc., and in fact, everything that will interest and be of benefit to the nurseryman, whether in the field or in the office. Applications for space must be made prior to June 1, and same must be addressed to Thomas B. Meehan, chairman of the committee, Dreshertown, Pa.

Very truly yours,
THOMAS B. MEEHAN,
Chairman Committee on Exhibits.

PROGRAMME.

The publicity committee has been furnishing frequent bulletins for the horticultural press, and here is one relating to the programme:

Advance information which comes from the programme committee indicates that the programme will be complete with papers on very interesting subjects. It is likely, however, that the programme will not be so full as it has been at other meetings, leaving more time for the discussion of the various papers and for the transaction of other business.

All sections of the country are being drawn from in arranging the programme. H. D. Simpson, of Vincennes, Ind., will discuss "The Pecan," thus recognizing the increasing interest in the production of nut trees. M. McDonald of Salem, Ore., will discuss "Horticultural Inspection Laws as They Affect the Nurserymen." This paper is of great importance to nurserymen, for the inspection laws of some of the northwestern states have greatly interfered with trade in a section where fruit growing is being developed most rapidly at this time.

Others who will speak are: Judge Eugene Stark, Louisiana, Mo., "A Few Points on Improvements;" J. B. Pilkington, Portland, Ore., "Elements of Success in the Nursery Business;" H. H. Hume, Glen Saint Mary, Fla., "Semi-tropical Thoughts for the Nurserymen." Since this information was given out the programme committee has been hard at work, and those who attend may expect this feature of the convention to be entertaining and instructive.

LOCAL ENTERTAINMENT.

The secretary is informed that T. J. Ferguson is making arrangements for local entertainment and outside features while at Milwaukee, and this work could not be in better or more energetic hands.

PALMS.

Areca Lutescens, Cocos Weddelliana
Kentia Belmoreana, Kentia Forsteriana

HOME GROWN

WRITE FOR PRICES

Joseph Heacock Company, Wyncote, Pa.

Detroit.

HIGH PRICED ARTICLES AVOIDED.

Easter trade with all its tribulations passed with the development of no unusual incidents or features except the most noticeable inclination of most purchasers to avoid the very high priced articles and varieties such as the expensively made up baskets and American Beauty and high grades of other roses. Prices were as a rule a shade less than the same grade of stock brought a year ago. Every florist was well stocked with great quantities of seasonable varieties of plants and cut flowers and the advantageous disposal of it all was a matter of much concern and extreme doubt till the business of the day was over. It was then most apparent that the supply had been enormous as, notwithstanding the great sales of the day, at many places could be seen quantities of plants and a stock of cut flowers which alone would be a creditable Easter display. The sale of violets was immense and nearly every dealer was caught short of supply. All the items in the cut flower list were plentiful and of splendid quality. Easter lilies led in popularity as pot plants closely followed by azaleas, while great quantities of bulbous stock in pots was disposed of. The weather was favorable except during the forenoon of Saturday when showers deterred the shoppers considerably. J. F. S.

LARGEST STOCK OF ALL

Belgian Plants

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

LOUIS VAN HOUTTE, PERE,

GHENT, BELGIUM.

..BOSTON FERNS..

2-inch, 3c; 2½-inch, 4c; 3-inch, 6c; 4-inch, 10c.

Asparagus plumosus, 2-inch, 3c.
Asparagus Sprengeri, 3-inch, 4c; 5-inch, 10c.

Chatogue Greenhouses,

MOBILE, ALA.

Berkshire Petunia

A fine, free flowering, fringed pink double Petunia. Flowers measuring 3 inches across; a most valuable acquisition, with no "fancy" price attached.

ROOTED CUTTINGS,

$2.50 per 100; $20.00 per 1000; 500 at 1000 rates.

Stock grown at and sent from Pittsfield, Mass.

S. S. SKIDELSKY

1731 N. 18th St., Philadelphia, Pa.

Alternantheras, red, yellow and Brilliantissima from soil Sept. struck...70c per 100; $6.00 per 1000: $45.00 per 10 000. Equal to 2-in., to clean them up.

Salvias Bonfire, St. Louis...$1,00 per 100. $8.00 per 1000

Coleus a grand collection (named) 70c per 100; $6.00 per 1000.

Heliotrope, 10 best varieties... $1.00 per 100; $8.00 per 1000.

Petunias, Dreer's and Henderson's $1.25 per 100; $10 per 1000.

Vincas Variegated $1.25 per 100; $10 per 1000

Express Prepaid on all Rooted Cuttings and satisfaction guaranteed.

C. HUMFELD, Clay Center, Kas.

OECHSLIN'S FERNS.

BOSTON FERNS.

	Nice bushy plants.	Per doz.	Per 100
5-in.	"	$ 3 00	$25 00
6-in.	"	6 00	50 00
7-in.	"	9 00	
8-in.	"	12 00	

Nephrolepis Whitmani
9-in. pots, $2.00 each.

FERNS FOR DISHES.

Six leading varieties.
Strong bushy plants.

	Per 100	Per 1000
2-inch pots	$ 3 00	$ 25 00
	Per doz.	Per 100
3-inch pots	$ 0 75	$ 6 00

Cyrtomium Falcatum

Holly Fern. Strong plants.

	Per doz.	Per 100
4½-in. pots	$ 2 00	$15 00
5-in. "	3 00	25 00
6-in "	5 00	

Dracena Indivisa
Fine plants for Baskets and Vases.
5-in. pot plants, per doz. $3.00; per 100 $20.00

Eurya Latifolia
Fine Variegated Plant for Decorating.
24 to 30 inches high. $1.25 each.

Fern Hanging Baskets.

Anna Foster
Well grown and drooping. $2.00 each.

Pteris Wimsetti and Ouvrardi
Strong and bushy, 4½-in. pots, $2.00 per doz.; $15.00 per 100.

Asparagus Plumosus
Strong bushy plants, ready to shift.

	Per doz.	Per 100
4½-in. pots	$ 1 50	$ 12 00
5 in. " 3 in a pot	3 00	20 00
6-in. " 3 "	6 00	

Asparagus Sprengeri
Strong plants, fine for Hanging Baskets.
4-in. pots $1.50 per doz.; $12 00 per 100.
6-in. pots, 3.00 per doz.; 25.00 per 100.

Aspargus Sprengeri Baskets
12 and 14-in. $1.50 and $2.00 each.

Cocos Weddelliana
3-in. pots.....per doz. $2.50; per 100 $20 00
5-in. " ...4 in a pot, 75c each; $9.00 per doz.

Pandanus Veitchii
Strong and well colored.
5 in. pots.....$1.00 each.
5½-in. pots..... 1.25 each
6-in. pots..... 1.50 each

Primula Obconica Grandiflora Rosea
STRONG PLANTS.

2½-in. pots.....50c per doz.; $3 00 per 100
3½-in. pots.....75c per doz.; 6 00 per 100
4-in. pots, strong plants in bloom.....$1.50 per doz.; 12.00 per 100

TERMS STRICTLY CASH WITH ORDERS.

FRANK OECHSLIN, 2572 West Adams Street, **Chicago, Ill.**

Formerly GARFIELD PARK FLOWER CO.

Plants from 2½-in. Pots at 50c per doz., $3.00 per 100.

Acalypha, Asparagus Sprengeri, Abutilon Savitzi, dwarf Alyssum, Ageratums, Princess Pauline, Inimitable, Blue Perfection, Bouvardia Humboldtii, Feverfew Little Gem, Heliotropes, dark blue and white, Fuchsias, 4 varieties, Gazania Splendens, Cupheas, double Petunias, Lobelia Emperor William, variegated Ice-plant, variegated Glechoma, Salvias, Zurich, Bonfire, Hydrangea Otaksa and Thos. Hogg; Rosemary, variegated Periwinkle; Geranium, Mrs. Parker; Moschosma riparium. Impatens Sultani and Holstii, Swainsona alba, white Moonflower, Forget-me-not, Saxifraga sarmentosa. Parlor Ivy, Umbrella Plants, Ferns.

Carnations, Robt. Craig, Elbon, Gov. Wolcott, Boston Market, Flora Hill, Enchantress, Joost. These are strong bushy plants and have been kept in cold frames four weeks. The same varieties, rooted cuttings, $2.00 per 100.

Geraniums, best commercial varieties, 3-in. pots, $3.00 per 100.

Clematis, large flowering varieties, 2-year-old plants, red, purple and white, $3.00 per dozen. Clematis paniculata, 4-in. pots, $1.50 per dozen, $10.00 per 100; 3-in. pots, $5.00 per 100.

Honeysuckle. Halleana and Red Trumpet, strong plants, $1.50 per dozen, $10.00 per 100.

Ampelopsis Veitchii, 4-in. pots, 2-year-old plants, $1.50 per dozen, $10.00 per 100; 3-in. pots, $5.00 per 100.

Ivy, hardy English, 4-in. pots, $1.50 per dozen, $10.00 per 100; 3-in. pots, $5.00 per 100.

Cash with order please.

C. EISELE, 11th and Westmoreland Sts PHILADELPHIA, PA.

Cycas Stems

NEW STOCK ALL SIZES

Prices:

VAUGHAN'S SEED STORE,

CHICAGO, 84-86 Randolph St. NEW YORK, 14 Barclay St.

AMERICAN BEAUTIES

Good strong A No. 1 stock,
2¼-in. $5.00 per 100; $45.00 per 1000.
References from unknown parties.

The Lamborn Floral Co.,
Rosemont Greenhouses.
ALLIANCE, - OHIO.

BOSTON FERNS.

3-in pots, $1.00 per doz.; $7.00 per 100.
4-in pots, 1.50 per doz.; 10.00 per 100.
5-in pots, 4.00 per doz.; 25.00 per 100.

WHITMANI FERNS

3-in pots, $1.00 per doz.; $7.00 per 100.
4-in pots, 1.50 per doz.; 10.00 per 100.
——Cash please——

Muskogee Garnation Co., Muskogee, Okla.

POST FALLS, IDAHO.—Wollan & McKay have sunk a well, erected a greenhouse and are erecting another glass structure that will cost not less than $3,000 and be completed by fall. Their property is on the south side of the river, just across the road from the Van Dorn greenhouse.

COLUMBIA, MO.—Dr. J. C. Whitten, since 1894 professor of horticulture at the University of Missouri, has declined a very flattering call to a large eastern university at a salary considerably in excess of that which the University of Missouri is able to pay. He will remain here, where his work has been so conspicuously successful.

Grafted Roses
FOR FORCING.

Bride, Bridesmaid, Kaiserin, Killarney, Richmond, Wellesley,

$12.00 per 100; $100.00 per 1000.

JACKSON & PERKINS COMPANY

WHOLESALE FLORISTS AND NURSERYMEN,

Newark, Wayne County, **New York.**

ROSE PLANTS 2½-inch Pots.

	Per 100	Per 1000
Bride	$3.00	$25.00
Bridesmaid	3.00	25.00
Uncle John	3.00	25.00
Ivory	3.00	25.00
Chatenay	$3.00	$25.00
Sunrise	4.00	35.00
Perle	4.00	35.00

CARNATIONS Well Rooted Cuttings. Ready for shipment.

PINK.	Per 100	Per 1000
Lawson	$1.50	$12 50
Enchantress	2.00	15.00
WHITE.		
White Lawson	$2.00	$15.00
RED.		
Robt. Craig	2.50	20.00

American Beauty, bench plants, now ready **$10** per 100; **$75** per 1000.
Perle..... .....**$2** per 100; **$17.50** per 1000.

PETER REINBERG, 51 Wabash Ave., CHICAGO

Roses AND Vincas.

400 sorts 2½ and 4-inch.
See column adv. page 640, Apr. 18.

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO

ROBERT CRAIG CO.

WELL GROWN YOUNG **ROSES**
and Novelties in Decorative Plants.
Market and 49th Sts., Philadelphia, Pa.

Write **GEO. A. KUHL, at Pekin, Ill.,**
for his list of
Chrysanthemums, Cannas, Carnations and Roses.
Also his complete list of **Soft Wooded Plants.**
We expect to have a fine line of stock for bedding and Decoration Day.

ROOTED CUTTINGS. Prepaid per 100. Heliotrope German Ivy, 75c; Alternanthera 50c; Coleus, Ageratum, 60c; Salvia, 85c. Fuchsia, $1.00. Seedling **Verbena,** Mammoth mixed 35c per 100, prepaid. Cash. Special price on 1000. List Free.
SHIPPENSBURG FLORAL CO. Shippensburg, Pa

For Immediate Delivery.

Geraniums, strong 3½- and 4-in. $5.00 per 100; $45.00 per 1000. Strong 3-in. $4.00 per 100; $35.00 per 1000. Rose, D. Grant, Nutt, Buchner Castellane, Poitevine, etc.

Petunias, Dreer's single fringed. **M. Verbenas, Lobelia,** trailing, **German Ivy,** heavy, 3-in. $3.00 per 100, $25.00 per 1000.

Vinca variegata, bushy, 3½- and 4-in. $60.00 per 1000.

Salvia, Bonfire and Spl., **Lobelia,** trailing and compacta, **Ageratum,** blue, **M. Verbenas, Coleus,** 12 varieties, strong, 2-in. $1.75 per 100, $15.00 per 1000. Cash.

WM. S. HERZOG, MORRIS PLAINS. N. J.

NEW VIOLET BOSTON.

In introducing this new variety to the trade I wish to state that I have been growing it in quantity for the past two years and do not hesitate to state that it is entirely distinct a strong grower, a free bloomer and the finest single violet in cultivation. Ready for distribution in April and May. Orders booked now. **$2.00** per doz.; **$12.00** per 100; **$100.00** per 1000. 500 at 1000 rates.

WILLIAM SIM, Cliftondale, Mass.

SALVIA ZURICH.

The Ever-Blooming Salvia.

Propagation from carefully selected stock; absolutely true and of even type 2-in. $1.00 for 25 $3.00 for 100; $25.00 for 1000. Rooted cuttings $1.75. for 100; $15.00 per 1000.

J. L. Schiller, 929 Prouty Avenue TOLEDO, O.

Dormant Roses

2-year old Budded Roses, per doz., $2.00; per 100, $15.00.

American Beauty — Kaiserin — Paul Neyron
La France — Soleil d'Or — Gruss an Teplitz
Frau K. Druschki and Hermosa.

The following kinds, 2-year old Budded, per doz., $1.50; per 100, $11.00:

Anna de Diesbach — Fisher Holmes — Magna Charta
Ball of Snow — Gen. Jack — M. P. Wilder
Capt. Christy — Mad. C. Testout — Mrs. J. Laing

	Per 100.
Crimson Rambler, 2-yr., strong imported stock	$12.00
Dorothy Perkins, 2-yr., home grown for forcing	12.00
Philadelphia Rambler, 2-yr., home grown	12.00
White Baby Rambler, 2 1-2 in.	8.00
Red Kaiserin, 2-yr. dormant	20.00

CARNATIONS—Rooted Cuttings.

	Per 100	Per 1000
Afterglow, 2-in. pots	$12.00	$100.00
Andrew Carnegie, 2-in. pots	12.00	100.00
Defiance	12.00	100.00
Sarah Hill, 2-in. pots	12.00	100.00
White Enchantress	6.00	55.00
Red Riding Hood, from soil	5.00	40.00
Victory	3.00	25.00

	Per 100	Per 1000
Robt. Craig, from soil	$3.00	$25.00
Pink Patten, from soil	2.50	20.00
Mrs. T. W. Lawson	2.00	15.00
Winsor, 2-in. pots	6.00	45.00
Mrs. Patten, from soil	2.50	20.00
Prosperity, sand	2.50	20.00

VAUGHAN'S SEED STORE, 84-86 Randolph Street, CHICAGO
14 Barclay Street, NEW YORK.

Greenhouses and Nurseries: Western Springs, Ill.

Strictly First-Class PLANTS

ON OWN ROOTS
2½-pots to line out.

ROSE PLANTS

$2.50 per 100
$25.00 per 1000
Baby Rambler
Clothilde Soupert
Dorothy Perkins
Mme. A. Chatenay
Crimson Rambler

$2.75 per 100
$27.50 per 1000
Hermosa
Maman Cochet
Malmaison
Etoile de Lyon
Helen Gould
Lady Gay
M. Neil
Notting
Meteor
White Maman

$3.00 per 100
$30.00 per 1000
Black Prince
Mme. Masson
Richmond
Kaiserin
Paul Neyron

$3.50 per 100
$35.00 per 1000
Etoile de France
Gen. McArthur
Mme. J. Guillemot
Mrs. J. Laing
Helen Good
$5.00 per 100
J. B. Clark
$8.00 per 100

C. M. NIUFFER, Springfield, O.

Easter Lilies in Pots
OR CUT BLOOMS.

ROSES

Mrs. Potter Palmer 2½-in., $15.00 per 100; $125.00 per 1000; 2000 or over $100.00 per 1000. R. C. "Palmer" $8.00 per 100

Cardinal 2½-in., $6.00 per 100; $55.00 per 1000;

American Beauty R. C. $30.00 per 1000; 2- and 2½-in. $6'00 per 100, $55.00 per 1000.
Maids, Brides, Richmond, Sunrise, Kaiserin, Uncle John, 2½-in. $4.50 per 100; $40.00 per 1000.
Benched Beauty Plants, $55.00 per 1000.

CARNATIONS

R. C. Winsor, White Enchantress, Beacon, $5 00 per 100; $45.00 per 1000 Rose Pink Enchantress and Enchantress, $2.50 per 100.

Aristocrat, 2½-in. $6.00 per 100. Maybelle, Victory, Enchantress, White Lawson and Variegated Lawson 2- and 2½-in. $3.00 per 100

CHRYSANTHEMUMS Special 10% discount after April 4th. Ask for price list. We grow the best commercial varieties only. R. C. and 2½-in. now ready.

POEHLMANN BROS. CO., Morton Grove, Ill.

Whitmani Ferns....

Good strong plants ready for a shift at bargain prices.

	Per 100	Per 1000
2 -inch at	$3.50	$30.00
2½-inch at	5.00	45.00

Cash with order.

Randolph & McClements,
Baum and Beatty Sts.,
PITTSBURG, PA.

TAUSENDSCHON

or in English, **THOUSAND BEAUTIES,** is the sensational new Climbing Rose of the year. Every florist should have it. It is not excelled for forcing purposes and for general planting by any Climbing Rose now known, **not even barring Crimson Rambler.** This is the coming forcing Rose. Get your stock early. Illustrated in ten colors and gold in our Catalogue for 1908 the **Leading Rose Catalogue of America.** Every rose worth having is described in it. Copy free for the asking.

Strong plants of Tausendschon from 3-inch pots, 10 for $1.50; $12.00 per 100; $100.00 per 1000.

Dahlias, all the leading varieties, $45.00 to $50.00 per 1000. Send for list.

Cannas, all the leading varieties, $10.00 per 1000 and upwards. Ask for list.

The Dingee & Conard Co., WEST GROVE, PA.

SANDUSKY O.—The greenhouses and residence formerly owned by Shirley Woner, who filed a petition in bankruptcy several months ago, were sold April 6. They were bid in by Attorney R. S. Gallaher, who bought them for Riley Smith, an uncle of Mr. Woner.

MEDINA, N. Y.—The ladies auxiliary of the Y. M. C. A. is preparing for a flower carnival, to be held in August. Flower seeds are being furnished free to the children who wish to enter the various contests. There will be various prizes.

Kaiserin.

Strong young plants in 2 1-2-inch pots, just right for summer flowers or spring trade.

	Per 100	1000
Price:	$4.50	$40.00
MAID, BRIDE, 2 1-2 inch pots	3.00	25.00
LA DETROIT, bench plants	6.00	50.00

BASSETT & WASHBURN, —76— Wabash Ave., Chicago

'Mum Planting Time

IS NEAR. PREPARE NOW.

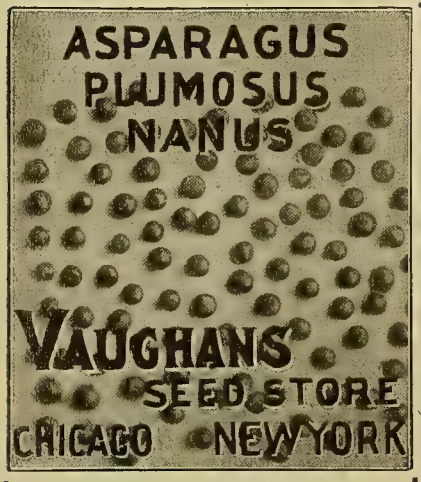
See our offer in issue of April 11th.

For Prices and Varieties See Last Issue.

Elmer D. Smith & Co.

Successors to Nathan Smith & Son.

ADRIAN, MICH.



We handle this Asparagus both in seeds and plants of all sizes, in very large quantities and make very close prices on larger amounts on application. Our seed is pure, fresh, of best germinating quality and extraordinary vitality **Northern Greenhouse-Grown Seed.** Per 100 seeds, **60c;** 250 seeds, **$1.25;** 1000 seeds, **$4.00;** 5000 seeds, **$19.50;** 10,000 seeds, **$37.50.** Price for larger lots on application.

Asparagus Plumosus Nanus Seed

$2.50 per 1000, Cash.

NEW CROP Highest Germination.

DRAKE POINT GREENHOUSES
YALAHA, FLORIDA.

Neph. Whitmani

2¼-inch.....$ 5.00 per 100
3½-inch..... 25.00 per 100

Boston Ferns 2¼-inch, per 100. $8.00

Henry H. Barrows & Son, WHITMAN, MASS.

GERANIUMS.

Novelties, 1907 introductions from Bruant, Lemoine, Boucharlat and Cannell, one each of 50 varieties, our selection, including singles and doubles, for $5.00.

PELARGONIUMS, In good variety, strong plants from 3-in. pots, $1.50 per doz., $6.00 per 100

HARDY CHRYSANTHEMUMS

Our collection of Hardy Chrysanthemums will compare favorably with any in the country, and we have an immense stock ready for shipment. Small flowered or Button varieties $2.00 per 100; large flowered or Aster type $3.00 per 100. Descriptions will be found in our wholesale list.

DAHLIA ROOTS. We still have about 75 varieties we can offer Cactus, Decorative, Show and Pompon true to name at $5.00 per 100 and up for whole field grown clumps. One thousand, 50 each of 20 varieties, our selection, for $40.00 all good kinds a splendid collection for planting or just the thing for store trade.

	Per 100
Alyssum, Giant double	2.00
Ageratum, Stella Gurney	2.00
Begonia, Vernon White and Rose	2.00
" Gracilis White and Rose	2.00
" Rex, 2-in. pots	2.00
Cuphea, Cigar plant	2.00
Coleus, Verschaffeltii, Golden Bedder, and other kinds	2.00
Fuchsias, Black Prince and Minnesota	2.00
Lieutenant Muritz, White and Rose Phenomenal	2.50
Hardy English Ivy, extra strong	$15.00 per 1000 2.00
Nymphea Odorata Gigantea, Water lily	3.50

	Per 100
Hollyhocks, strong 3-in. pot plants, dbl. white, pink, red and yellow	$3.00
Hardy Phlox,	2.00
Ivy Leaved Geraniums, 6 good kinds $25.00 per 1000	$3.00
Lobelia, Crystal Palace Gem	2.00
Lobelia, Kathleen Mallard, 2-in	3.00
Lavender, 2½-in. pots, strong	3.00
Swainsona alba	2.00
Salvia, Bonfire and Splendens	2.00
Tradescantia, dark variegated	2.00
Verbena red, white, purple and pink	2.00
Rubber Plants, Ficus elastica, per doz	2.00

Visitors always welcome. Cash with order.

R. Vincent, Jr. & Sons Co., WHITE MARSH, Balto Co., MD.

CHRYSANTHEMUMS.

Monrovia, October Sunshine, F. A. Cobbold, Mrs. T. W. Pockett, Col. Appleton, Nellie Pockett, Cheltoni, Lady Hopetoun, White Coombes, Ben Wells and others now ready at $3.00 per 100, $25.00 per 1000; 2¼-in. pots.

If your stock is run down try some of mine and see the difference next fall. Lots of the new singles now ready.

You got my 'mum list, of course?

CHARLES H. TOTTY, Madison, N. J.

Rooted Cuttings

	Per 100	Per 1000
Coleus, plenty of variety	$ .70	$ 6.00
Heliotrope, Salvias,	1.00	8.00
Petunias, double	1.25	10.00
Alyssum, double	1.00	8.00
Ageratums,	.60	5.00
Pelargoniums,	2.50	

Everything named, Express paid. Cash with order

S. D. BRANT, The Clay Center Florist, CLAY CENTER, KAS.

FOR THE TRADE.

	Per 100
Chrysanthemums, 20 good com. varieties, 2½-inch	$ 2.50
Cannas, 10 good Fronds varieties, moss-rooted	5.00
Vinca, variegated and green, 4-in, 10.00; 3-in.	5.00
Coleus, 3-inch	5.00
Salvias, 3-, 2½- and 2-in	$5.00, $3.00. 2.00
Smilax, 3- and 2 in	$3.00 2.00
Alyssum, 2-in	2.00
Ageratum, dwarf blue, 2½-in	3.00
Verbenas, 2½- and 2-in, in bloom	$3.00 2.00
Coleus, about 15 best bedding varieties, 3- and 2-inch	$3.00 2.00

SCHMALZL & HEMBREIKER,
West End Greenhouses. Lincoln, Ill.

CARTHAGE, MO.—The worst hailstorm in this section for several years struck this city April 7, destroying the Fairview greenhouses, completely battering the growing crop into the ground. Other greenhouses in the city suffered loss from breaking glass. Hail fell for five minutes, covering the ground with immense hailstones.

ALTON, ILL.—J. F. Ammann, of Edwardsville, purchased the residence, store and business of Mrs. A. Dietschy April 4 and will take possession at once. Mrs. Dietschy will manage the store for him and his stock will be shipped here direct. This is an established business of some 10 years' standing, built up by Mrs. Dietschy, who, with her husband, will make an extended eastern trip this summer to take a long needed rest.

SPRINGFIELD, O.—The committee of city council on general and public improvements, has agreed to accept the offer of the Florists' Club to decorate the esplanade with ornamental flowers and shrubs.

BROCTON, MASS.—Crawford & Harris are building a dahlia house.

Washington.

EVERYBODY SATISFIED.

Although business has been rather quiet during Lent, there was no sign of inactivity Easter Saturday. All the retailers were busy and there was plenty of stock to meet all demands, both cut flowers and plants being of excellent quality. Roses, carnations, sweet peas, lily of the valley and liliums were in abundance and in fine condition. There was plenty of blooming plants such as spireas, liliums, hydrangeas, azaleas, rhododendrons, lilacs, marguerites and rambler roses all of which sold well. One retailer said this was the best Easter he had had in some years, and all seem well satisfied. Bulbs are nearly over, although there are quantities of Narcissus poeticus from outdoors; also the outdoor lilacs are coming on. Fruit blossoms are very much in evidence, and are used for decorations. The growers are all busy getting the ground ready for outdoor planting and a number of them have some of the hardier plants out.

NOTES.

A. B. Garden had a fine run on plants during Easter. He also had a very pretty wedding decoration of Crimson Rambler roses, lilium, pink and white spireas, hydrangeas, palms and ferns; large branches of pear blossoms were also used to good effect. The bride carried a shower bouquet of Bride roses and lily of the valley, the bridesmaid Golden Gate roses and the flower girls baskets of sweet peas. The orange blossom for the bride was from Mr. Garden's greenhouses.

Geo. H. Cook, Geo. C. Shaffer, Z. D. Blackistone, Gude Brothers Co. and The Washington Florist Co., all had a beautiful display of Easter blooms and plants.

J. D.

PORT HURON, MICH.—Asman's store was very finely decorated for Easter. The "Rock of Ages" scene was very much admired, the cross being a choice design in white flowers studded with electric lights. The proprietor and his wife have good original ideas and are to be congratulated on their success.

Bench Plants.

ONE-YEAR-OLD.	Per 100	Per 1000
AMERICAN BEAUTY	$6.00	$50.00
MAID	3.00	25.00
BRIDE	3.00	25.00
CHATENAY	3.00	25.00

Rooted Cuttings.

MAID	$1.50	$12.00
RICHMOND	1.50	12.00
KATE MOULTON	2.50	20.00
From 2½-Inch Pots.		
SMILAX	$2.50	$20.00
CLIMBING KILLARNEY	3.00	25.00

GEORGE REINBERG,
35 Randolph St., CHICAGO.

A FEW GOOD THINGS YOU WANT.

Asparagus Sprengeri, 2-in., $2,50 per 100; 3-in., $5.00 per 100. Seedlings, $1.00 per 100.
Geraniums, Nutt, Doyle, Perkins, Ricard, Grant, La Favorite. R. C., $1.25; 2-in. pots, $2.00; 3-in., $4.00 per 100; Trego, Viaud, Castellane, Poitevine, Jaulin, R. C., $1 50; 2-in. pots, $2.50; 3-in., $5.00 per 100. Mme. Salleroi, 2-in. $3.00 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100; 3-in., $5.00 per 100.
Boston Ferns, 5-in., 30c each.
Vinca Var, 2-inch, $2.00 per 100.
Dracena Indivisa, 2-in., $3.00; 3-in., $5.00 per 100.
Gladiolus Bulbs, light colors, $1.00 per 100.
Rex Begonia, $5.00 per 100.
Coleus, Cigar Plant, Verbena, Heliotrope, Scarlet Sage, Bonfire, Alternanthera, red and yellow, 2-in- pots. $2.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers. after being delivered to the express companies properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

GRAFTED ROSES.

NOVELTIES.

MRS. JARDINE, RHEA REID, QUEEN BEATRICE,
The above, $6.00 per doz., 50 plants for $18.00, $35.00 per 100.
MY MARYLAND, 50c each, $5.00 per doz., $35.00 per 100.
On own roots, 2½ in. pots, $25.00 per 100, $2.00 per 10; 3 in. pots, $5.00 per doz.
MRS. POTTER PALMER, $3.00 per doz., $17.50 per 100; $125.00 per 1,000.
NEW RAMBLER, "NEWPORT FAIRY." For delivery spring 1908. Well rooted plants in 2¼ inch pots $1.00 each, $9.00 per dozen, $50.00 per 100.

STANDARD VARIETIES.

Aurora, Betty, Bon Silene, Bride, Bridesmaid, Enchanter, Etoile de France, Franz Deegen, Gen. McArthur, Golden Gate, Hermosa, Ivory, Kaiserin Augusta Victoria, Kate Moulton, Killarney, La Detroit, Maman Cochet, Marechal Niel, Mme. Abel Chatenay, Mme. Hoste, Mrs. Pierpont Morgan, Papa Gontier, Rosalind Orr English, Richmond, Souv. du President Carnot, Souv. de Wootton, Uncle John, Wellesley, White Cochet.

GRAFTED, 2¼ inch pots, 20c each, $2.00 per doz., $15.00 per 100, $120.00 per 1,000.

AMERICAN BEAUTY.

Own root, 2½ inch pots, $8.00 per 100, $75.00 per 1,000. 3 inch pots, $12.00 per 100, $100.00 per 1,000. April, May and June delivery.

OWN ROOT ROSES.

From 2½ inch pots, repotted from 2 inch.
Kaiserin Augusta Victoria, Killarney, Bride, Bridesmaid, Ivory, Golden Gate, Uncle John, Richmond, Mme. Abel Chatenay, Aurora, $1.00 per doz., $6.00 per 100, $50.00 per 1,000.
From 2 inch pots ready for shipment, $3.50 per 100, $30.00 per 1,000.

CARNATIONS.—Rooted Cuttings.

	100	1,000
Winsor	$6.00	$50.00
Rose Pink Enchantress	3.50	30.00
Enchantress	2.50	20.00
Queen Louise	2.50	20.00

From 2¼ inch pots, add $1.00 per 100.
White Enchantress, 3 in. pots,, $7.00 per 100, $60.00 per 1,000.

MISCELLANEOUS PLANTS.

AGERATUM, Stella Gurney, Princess Pauline.
SALVIA Splendens, S. Bonfire.
HELIOTROPE.
Rooted cuttings 75c per 100, $6.00 per 1,000.

COLEUS.

Verschaffeltii, Golden Queen, Fire Brand, Lord Palmerston, Queen Victoria, Beckwith's Gem. Prices of Rooted Cuttings by express, 60c per 100; $5.00 per 1,000. Less than 250 of a variety will be charged at the 100 rate.
Golden Bedder, Hero, Messey, Pearl of Orange, 75c per 100, $6.00 per 1,000. Less than 250 of a variety will be charged at the 100 rate.
Fancy Varieties. A very fine assortment of twelve kinds not listed above; 75c per 100, $6.00 per 1,000. 250, in assortment, our selection, at the 1,000 rate.

ASPARAGUS PLUMOSUS NANUS SEEDLINGS.

From flats, $10.00 per 1,000.

CHRYSANTHEMUMS.

Ready for Shipment.

Virginia Poehlmann, Angele Laurent, Golden Dome, Mlle. Jeanne Rosette, Money Maker, from 2¼ in. pots, $2.00 per doz.; $10.00 per 100.
Mrs. Clay Frick, Zimmers Yellow, Mary Mann. From 2¼ in. pots, $1.00 per doz.; $6.00 per 100.
Rooted Cuttings, $5.00 per 100.
CHOICE POMPONS, Klondyke, Quinola.
CHOICE SINGLE VARIETIES, Kitty Bourne, Mrs. Roberts, Amorita.
From 2¼ in. pots, $1.00 per do.

STANDARD VARIETIES

WHITE—Early: George S. Kalb, Polly Rose, Early Snow, October Frost. Mid-Season: Clementine Touset, White Shaw, Mrs. H. Robinson, Beatrice May, Merza, Niveus, Queen, Alice Byron, Eureka, Miss Minnie Wanamaker, Adelia. Late. Mrs. McArthur, Timothy Eaton, W. H. Chadwick, Merry Christmas.

PINK—Early: Glory of the Pacific, Rosiere. Mid-Season: J. K. Shaw, Adelia, A. J. Balfour, William H. Duckham, Dr. Enguehard, Morton F. Plant. Late: Maud Dean, The Harriott, Mayor Weaver, Mrs. James Marshall,

YELLOW—Early: Monrovia. Mid-Season: G. Pitcher, Col. D. Appleton. Late: Major Bonnaffon, Golden Wedding, H. W. Reiman, Yellow Eaton.

RED—Cullingfordi, Merstham Red, Matchless.

BRONZE YELLOW—Mrs. William Duckham. Old Gold.

POMPONS—Baby (Yellow), Lulu (White), Briolas (Pink).
From 2¼ inch pots; 5c each, 50c per dozen, $3.00 per 100, $25.00 per 1,000.
Rooted Cuttings: $2.00 per 100, $15.00 per 1,000.

A. N. PIERSON, - Cromwell Conn.

60,000 Grafted Roses

	Per 100
Chatenay, Killarney, Richmond, Liberty, La France, in rose pots	$15.00
3½-inch pots	18.00
Bride, Bridesmaid, Golden Gate, Kaiserin, in rose pots	10.00
3½-inch pots	15.00

OWN ROOT ROSES.

3-inch pots.....$7.00 and $9.00 per 100

Orders received for early delivery.

Send for circulars of **VERBENA** and **CARNATION CUTTINGS.**

J. L. DILLON, Bloomsburg, Pa.

PANSY PLANTS.

	Per 1000	100
Giant Flowering	$ 2.50	.50
Alternantheras, Red and Yel. Apl. 10.		2.00
Coleus, 2¼-in. pots, 10 varieties		2.00
Canna, C. Henderson, and eight other varieties, 3-in. pots, May 1st		3.50
Vinca, Variegated, 2¼-in. pots		2 50
Verbenas, April 15th		2.00

GERANIUMS.

	Per 100
4 varieties 3-in. pots, Apl. 1	$ 4.00
Double Petunias, Apl. 1	3.00
Asp. Plumosus, Apl. 1	2.00
Asp. Sprengeri, Apl. 1	2.00
Centaurea Gym. Apl. 15	2.00
Primroses, July 1st	2.00

—CASH—

JOS. H. CUNNINGHAM, Delaware, O.

Extra Fancy Carnation Blooms

Shipped direct to all points. Special attention to telegraph orders. Give us a trial and be convinced.

J. D. THOMPSON CARNATION CO., Joliet, Ill.

CARNATIONS

Rooted Cuttings. Healthy stock.

	Per 100	1000
Winsor, Helen M. Gould, Beacon	$6.00	$50.00
White Enchantress	7.00	60.00
Melody, Victory	4.00	
Enchantress, Lady Bountiful, Red Lawson, Variegated Lawson, White Lawson, Daheim	3.00	25.00
Mrs. T. W. Lawson, Boston Market	2.00	15.00

Send for Catalogue.

WOOD BROTHERS

FISHKILL, N. Y.

JOHN E. HAINES,

BETHLEHEM, PA.,

is the place to order rooted cuttings of the following varieties for 1908.

	Per 100	Per 1000
John E. Haines, red	$6.00	$50.00
Imperial, variegated	6.00	50.00
Pink, Pink	6.00	50.00
Enchantress, Light pink	6.00	50.00

Afterglow

Strong Rooted Cuttings now ready,

$12.00 per 100; $100 per 1000.

R. WITTERSTAETTER,

(Originator)

Station F. CINCINNATI, O.

Jensen & Dekema

CARNATION SPECIALISTS

674 W. Foster Ave., CHICAGO.

GERANIUMS

Pink and Salmon. Red, White,

2½-in., $3.50; 3-in., $5.00; 4-in., $8.00; in pots, $1.00 additional.

Ask for our special list of **Bedding Plants, Coleus, Mme. Salleroi,** and **Salvia, Etc.**

GEO. A. KUHL,

Wholesale Grower. PEKIN, ILL.

Indianapolis.

EASTER TRADE SATISFACTORY.

Easter business turned out to the satisfaction of all concerned. Up to Saturday noon, sales were behind last year, but Saturday afternoon and Sunday morning made up for it and the result is about the same as last year. The demand for Crimson Rambler roses and azaleas showed a decrease. Bulbous stock and lilies cleaned up well. Automobiles and motorcycles proved very valuable for delivery. It seemed that in Tomlinson Hall Market most everybody had flowers for sale, gardeners, fruit stands and even grocery stands had a display of spireas and bulbs.

NOTES.

A local charity organization held an Easter flower sale in one of the leading furniture stores; seemingly it did not make a notable impression on the trade.

Edward H. Schmidt announces his intention of opening up a flower store and conservatory on the west side.

J

FORT THOMAS, O.—James Ernsteihoff, aged 45, died at his residence in Highland avenue April 6 of a hemorrhage.

Rooted Carnation Cuttings

	Per 100	Per 1000
Enchantress	$1 75	$ 15 00
Mrs. T. W. Lawson	1 50	12 00
Boston Market	1 50	12 00
Rose Pink Enchantress	3 00	25 00
White Perfection	3 00	25 00
White Enchantress	6 00	$ 50 00
Winsor	6 00	50 00
Beacon	6 00	50 00
Harlowarden	1 50	12 50
Aristocrat	6 00	50 00

CHRYSANTHEMUMS.

WHITE.	Per 100
W. H. Chadwick	$2 00
White Bonnaffon	1 50
October Frost	1 50
Estelle	1 50
Clementine Touset	1 50
Jeanne Nonin	1 50

YELLOW.	Per 100
Golden Chadwick	$2 00
Major Bonnaffon	1 50
October Sunshine	1 50
Monrovia	1 50
PINK.	
Dr. Enguehard	1 50
Glory of Pacific	1 50

Satisfaction Guaranteed.

A. F. LONGREN, Des Plaines, Ill.

CARNATIONS—Rooted Cuttings. Immediate Delivery.

	Per 100	1000
Winsor	$6.00	$50.00
Aristocrat	6.00	50.00
Victory	3.00	25 00
Enchantress	2.00	20.00
Lawson, (pink)	1.75	15.00
Lawson, (white)	2.00	18.00

STEVIA, R. C., $1.00 per 100.

Or will exchange the above for Montmort, Perkins, Poitevine or Viaud Geraniums.

Satisfaction guaranteed. **E. T. WANZER, Wheaton, Ill.**

CARNATIONS ROOTED CUTTINGS.

Aristocrat	Per 100,	$ 5 00	Enchantress	Per 100,	$ 2 00
Winsor	"	5 00	Lady Bountiful	"	2 00
Perfection (White)	"	2 75	Victory	"	2 75

Rose Pink Enchantress, $2.75 per 100.

SALVIA ZURICH. The Ever-blooming Salvia. Rooted cuttings, $1.75 per 100; 2-in. $3.00 per 100.

The Salvia Zurich was first introduced by us.

PERENNIAL GARDENS CO., Toledo, Ohio.

Sprengeri, 2-in. 2c **Swainsona alba,** 2-in., 2c, **Heliotrope,** 2-in. 2c. **Feverfew,** 2-in. 2c. **Coleus,** 2-in. 2c. **White Ageratum,** 2½-in. 2c. **Feverfew,** nice young plants, 75c per 100, single **Hollyhock,** field, $2.50 per 100, 2-in. **Stock** 2c. Stock **Princess Alice, Cuphea, Alternanthera,** red and yellow, **Vinca Variegata, Fuchsia, Artillery Plant,** 2-in. 2c. **Asters,** earliest, lavender, 40c per 100, **Forget-me-nots** and **Double Daisies,** $2.50 per 1000.

Rooted Cuttings prepaid per 100: **Flowering Begonias,** $1.25 per 100; **Paris Daisies,** yellow and white, $1.00 per 100; Alexandra $1.25' **Petunia,** double, 10 kinds $1.00; **Swainsona Alba,** $1.00, **Cuphea,** 75c, **Heliotrope,** 3 kinds $1.00, **Fuchsia,** 5 kinds, $1.25, **Vinca Variegata,** 90c, **Alternanthera,** 3 kinds, 50c, **Coleus,** 10 kinds, **Ageratum,** White, Inimitable, 60c, **Salvia,** Bonfire, 90c. **Feverfew,** Gem, $1.00. **Parlor Ivy,** 75c.

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BYER BROS., Chambersburg, Pa.

Alternantheras.

Strong rooted cuttings, red and yellow, 50c per 100, or $4.00 per 1000.

DAVIS BROS., Morrison, Ill.

TORONTO, ONT.—A palm house with lavatories in the basement is to be built in the Allan gardens. It is estimated to cost $30,000.

BROOKLYN, N. Y.—There is a fine display of spring flowering plants in the Prospect park greenhouses, David Thompson having a brighter show this year than ever.

EASTON, MD.—Courtland W. Roe has been awarded a silver medal by the Jamestown Exposition Co. for the fine display of chrysanthemums which he exhibited there last fall.

CARNATIONS

READY MAY 11th. Per 1000

White Perfection	$20.00
Pink Imperial	30.00
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Asparagus Plumosus, ready for 3-inch now at $30.00 per 1000.

Asparagus Sprengeri and **Smilax,** ready June 1st at $15.00 per 1000.

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EUGENE, ORE.—R. Rae, a recent arrival from York, Neb., will build a number of greenhouses this summer and intends to go fully into the retail business.

SACRAMENTO, CALIF.—Since the publicity given the recent unfavorable comments on the appearance of Capitol park, the gardeners have shown some signs of life. They have done more work than usual, but the grounds are still in an extremely unsatisfactory condition. Maynard, one of the new gardeners appointed, is an ex-prize fighter, a former saloonkeeper and a politician. He has never been notorious as a gardener.

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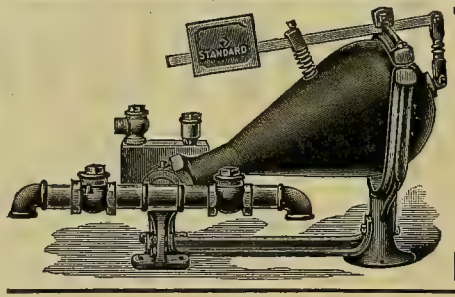

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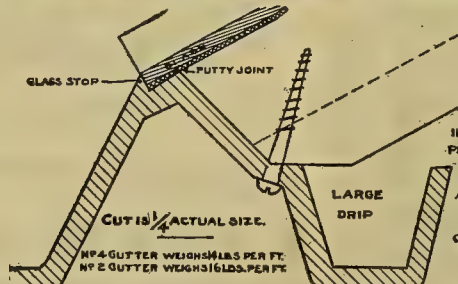

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Cannas, Austria, Allemania, Alsace, Bouvier, Capt. Drugeon, C. Henderson, J. D. Eisele, F. Vaughan, Kate Gray, Pres. Viger, Pennsylvania, Pres. Myer, Souv. de A. Crozy, $2.50 per 100; $20 per 1,000; David Harum, $4 per 100, $35 per 1,000. Egandale (3-in. pots only) $5 per 100. King Humbert, 4-in., $25 per 100. W. W. Coles, Kokomo, Ind.

Cannas, Rosea Gigantea, strong plants, $2 each, prepaid; $18 per doz. Gladio-Flora, $2 each, prepaid; $18 per doz. Meteor, plants or dormant roots, 75c each, prepaid; $6 per doz. William Saunders, plants, 60c each, prepaid; $5 per doz.; $35 per 100. Conard & Jones Co., West Grove, Pa.

Cannas, dormant roots, Mlle. Berat, $3 per 100; Louisiana, $8; Leonard Vaughan, $5; King Humbert, $12; Alsace, Beaute Poitevine, Crimson Bedder, $4; Jean Tissot, $5; Chas. Henderson, $3; David Harum, $4; Frederick Benary, $3; Italia, $4; Burbank, Allemania, $3. Vaughan's Seed Store, Chicago and New York.

Cannas, dormant roots, Mlle. Berat, $3 per 100; Graf Waldersee, $6; The Empress, $8; Leonard Vaughan, $5; King Humbert, $12; Alsace, Beaute Poitevine, Crimson Bedder, $4; Jean Tissot, $5; Chas. Henderson, $3; Egandale, $6; David Harum, $4; Frederick Benary, $3; Italia, $4; Burbank, Allemania, $3. Vaughan's Seed Store, Chicago and New York.

Cannas, Black Beauty, Egandale, Antoine Bouvier, Burbank, Kate Gray, $3 per 100. Buffalo Cut Flower Co., 468 Washington St., Buffalo, N. Y.

Cannas. J. M. Thorburn & Co., 33 Barclay St., New York.

Cannas, leading vars., $10 per 1,000 up. Dingee & Conard Co., West Grove, Pa.

Started cannas, standard varieties, fine plants. Mosbæk Greenhouse Co., Onarga, Ill.

Cannas, mixed, per 100, $1. H. H. Kern, Bonner Springs, Kans.

Cannas, Chas. Henderson, $2 per 100. Jos. H. Cunningham, Delaware, O.

Cannas, Geo. A. Kuhl, Pekin, Ill.

Cannas. James Vick's Sons, Rochester, N. Y.

CARNATIONS.

Carnations, rooted cuttings, Afterglow, Andrew Carnegie, Defiance, Sarah Hill, Winona, $12 per 100; $100 per 1,000. White Enchantress, $6 per 100; $55 per 1,000. Victory, Robt. Craig, Enchantress, $3 per 100; $25 per 1,000. Winsor, $6 per 100; $45 per 1,000. Red Chief, Red Riding Hood, $5 per 100; $40 per 1,000. Pink Patten, Mrs. Patten, $2.50 per 100, $20 per 1,000. Mrs. T. W. Lawson, Prosperity, $2 per 100; $15 per 1,000. Rose Pink Enchantress, $4 per 100; $30 per 1,000. Vaughan's Seed Store, Chicago and New York.

Rooted cuttings of the purest White Enchantress. We believe we have the largest and best stock in the country. The reason for this is that we were first in the market with this grand pure white. Orders now being booked at $6 per 100; $50 per 1,000. Also a large stock of Beacon, Winsor, Pink Enchantress, Lawson and other commercial varieties. Special, 200 Afterglow out of 2-in. pots, $12 per 100. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Carnations, Lawson, $1.50 per 100; $12.50 per 1,000. Winsor, $5 per 100; $40 per 1,000. Rose Pink Enchantress, $3 per 100; $25 per 1,000. Enchantress, White Lawson, Lady Bountiful, $2 per 100; $15 per 1,000. B. Market, $1.25 per 100; $10 per 1,000. Beacon, $5 per 100; $40 per 1,000. Robt. Craig, $2.50 per 100; $20 per 1,000. Cardinal, $2 per 100; $17.50 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Carnations. Fine Winsor and White Enchantress plants from soil or pots, topped and breaks started, $50 per 1,000. White Lawson, $20 per 1,000. Rooted cuttings ready, per 1,000: White Enchantress, $45. Red Nelson Fisher, $45. Beacon, $45. Aristocrat, $45. Rose Pink Enchantress, $25. White Perfection, $25. Winsor, $40. A. C. Canfield, Springfield, Ill.

Carnations, field-grown, 15,000 Enchantress and Winsor, ready for delivery July 1. Orders filled in strict rotation. Order now and be first. Prices on application. We guarantee satisfaction. We lead in superb field-grown stock. Wanoka Greenhouses, Barneveld, N. Y.

Carnations, Robt. Craig, Elbon, Gov. Wolcott, B. Market, Flora Hill, Enchantress, Joost, R. C., $2 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

If you do not find what you need in our Ready Reference Department, write us about it.

Carnations, Winsor, Helen Gould, Beacon, $6 per 100; $50 per 1,000. White Enchantress, $7 per 100; $60 per 1,000. Melody, Victory, $4 per 100. Enchantress, Lady Bountiful, Red Lawson, V. Lawson, W. Lawson, Daheim, $3 per 100; $25 per 1,000. Mrs. Lawson, B. Market, $2 per 100; $15 per 1,000. Wood Bros., Fishkill, N. Y.

Carnations, Enchantress, $1.75 per 100; $15 per 1,000. Mrs. T. W. Lawson, Boston Market, $1.50 per 100; $12 per 1,000. Rose Pink Enchantress, White Perfection, $3 per 100; $25 per 1,000. White Enchantress, Winsor, Beacon, Aristocrat, $6 per 100; $50 per 1,000. Harlowarden, $1.50 per 100; $12.50 per 1,000. A. F. Longren, Des Plaines, Ill.

Carnations, Winona, $12 per 100; $100 per 1,000. Red Chief, $5 per 100; $40 per 1,000. Aristocrat, Winsor, Beacon, $6 per 100; $50 per 1,000. White Perfection, Rose Pink Enchantress, Enchantress, Lady Bountiful, $3 per 100; $25 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, R. C., Winsor, White Enchantress, Beacon, $5 per 100; $45 per 1,000. Rose Pink Enchantress, Enchantress, $2.50 per 100. Aristocrat, 2½-in., $6 per 100. Maybelle, Victory, Enchantress, White Lawson, Var. Lawson, 2 and 2½-in., $3 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

Carnations, 10,000 White Enchantress, 10,000 Beacon, 5,000 Aristocrat, $6 per 100; $50 per 1,000; 10,000 White Perfection, 5,000 Rose Pink Enchantress, $3 per 100; $25 per 1,000; 5,000 Enchantress, $2.50 per 100; $20 per 1,000; 10,000 Andrew Carnegie, $12 per 100; $100 per 1,000. Chicago Carn. Co., Joliet, Ill.

Carnations. Winsor, Aristocrat, $6 per 100; $50 per 1,000. Victory, $3 per 100; $25 per 1,000. Enchantress, $2 per 100; $20 per 1,000. Lawson, $1.75 per 100; $15 per 1,000. White Lawson, $2 per 100; $18 per 1,000. E. T. Wanzer, Wheaton, Ill.

Carnations, Winsor, $6 per 100; $50 per 1,000. Rose Pink Enchantress, $3.50 per 100; $30 per 1,000. Enchantress, Queen Louise, $2.50 per 100; $20 per 1,000; from 2¼-in., add $1 per 100. White Enchantress, 3-in., $7 per 100; $60 per 1,000. A. N. Pierson, Cromwell, Conn.

Carnations, April 14: Winsor, Beacon, $40 per 1,000. Pink Imperial, Aristocrat, $30 per 1,000. Enchantress, J. Haines, $12.50 per 1,000. White Perfection, $20 per 1,000. Pink Patten, $10 per 1,000. Victory, $20 per 1,000. A. M. Herr, Lancaster, Pa.

Carnations, Aristocrat, Winsor, $5 per 100; W. Perfection, $2.75; Enchantress, Lady Bountiful, $2; Victory, $2.75; Rose Pink Enchantress, $2.75. Perennial Gardens Co., Toledo, O.

Carnations, Pure White Enchantress, strong, healthy, well rooted cuttings, $6 per 100; $50 per 1,000. Satisfaction guaranteed. A. J. Stahelin, Redford, Mich.

Carnations, Winsor, 2½-in., $6 per 100; $50 per 1,000. White Perfection, R. C., $3 per 100; $25 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, John E. Haines, Imperial and Pink Imperial, Enchantress, $6 per 100; $50 per 1,000. John E. Haines, Bethlehem, Pa.

Carnation Beacon, R. C. W. W. Coles, Kokomo, Ind.

Carnation Afterglow, $2 per doz.; $12 per 100; $100 per 1,000. R. Witterstaetter, Sta. F., Cincinnati, O.

Carnations, leading vars. Jensen & Dekema, 674 W. Foster Ave., Chicago.

Carnations. Geo. A. Kuhl, Pekin, Ill.

Carnations. E. G. Hill Co., Richmond, Ind.

CENTURY PLANTS.

FOR SALE—A magnificent pair of Century Plants, 30 years old. Price reasonable. Address, Judge Smith's Hotel, 167th St. and Jerome Ave., New York City.

CHRYSANTHEMUMS.

CHRYSANTHEMUMS.

White.	Per 100.	Black Hawk	....$1.50
Oct. Frost	$2.00	Pink	Per 100
Estelle	1.50	Monogram	1.50
Polly Rose	1.50	Lady Hariett ...	1.50
Robinson	1.50	Balfour	2.00
Merry Xmas	1.50	Mary Mann	1.50
Yanoma	2.00	Mrs. Perrin	1.50
A. Byron	2.00	Dr. Enguehard ...	1.50
W. H. Chadwick..	2.00	Maud Dean	1.50
T. Eaton	2.00	Yellow	
C. Touset	1.50	Appleton	1.50
Beatrice May ...	3.00	Golden Beauty ...	2.00
Kalb	1.50	Golden Wedding..	2.00
W. Bonnaffon ...	1.50	Oct. Sunshine ...	1.50
Wanamaker	1.50	Chas. Cronin	1.50
		Maj. Bonnaffon...	1.50
Red Intensity....	1.50	Y. Eaton	2.00

WIETOR BROS., 51 Wabash Ave., Chicago.

Chrysanthemums, Chadwick, Golden Chadwick, $2. White Bonnaffon, October Frost, Estelle, Touset, Nonin, Bonnaffon, Oct. Sunshine, Monrovia, Enguehard, Glory of Pacific, $1.50 per 100. A. F. Longren, Des Plaines, Ill.

Chrysanthemums, hardy, small flowered, $2 per 100; large flowered or aster type, $3 per 100. R. Vincent & Sons Co., White Marsh, Md.

CHRYSANTHEMUMS.

10 per cent off for Cash. In effect April 5th.

	R. C. per 100	R. C. per 1000	2½-in. per 100	2½-in. per 1000
WHITE				
Virginia Poehlmann	$10.00	$80.00	$12.00	$100.00
Robinson	2.00	17.50	2.50	22.00
Kalb	2.00	17.50	2.50	22.00
Eaton Timothy ...	2.50	22.00	3.00	27.50
Alice Byron	2.50	22.00	3.00	27.50
Clementine Touset.	3.00	25.00	4.00	35.00
Chadwick	3.00	25.00	4.00	35.00
White Bonnafon ..	2.50	22.00	3.00	27.50
Merry Christmas ..	2.00	20.00	2.50	22.00
October Frost	5.00	.....	6.00	.....
YELLOW				
Col. Appleton	2.50	22.00	3.00	27.50
Major Bonnafon ..	2.00	17.50	2.50	22.50
Golden Wedding ..	3.00	25.00	4.00	35.00
Yellow Eaton	2.50	22.00	3.00	27.50
Halliday	2.50	22.00	3.00	27.50
Golden Chadwick .	3.00	25.00	4.00	35.00
Monrovia	3.00	.....	4.00	.....
PINK				
McNiece	2.50	22.50	3.50	30.00
Maud Dean	2.50	22.50	3.50	30.00
Dr. Enguehard ..	2.50	22.50	3.50	30.00
Rosiere	2.50	22.50	3.50	30.00
RED				
Intensity	2.00	.....	3.00	.....
Schrimpton	3.00	.....	4.00	.....

POEHLMANN BROS. CO., Morton Grove, Ill.

Chrysanthemums, Virginia Poehlmann, Angele Laurent, Golden Dome, Mlle. Jeanne Rosette, Money Maker, 2¼-in., $2 per doz.; $10 per 100. Mrs. Clay Frick, Zimmers Yellow, Mary Mann, 2¼-in., $1 per doz.; $6 per 100; R. C., $5 per 100. Pompons, Klondyke, Quinola, choice single vars., Kitty Bourne, Mrs. Roberts. Amorita, 2¼-in., $1 per doz. Standard varieties: Kalb, Polly Rose, Early Snow, Oct. Frost, C. Touset, White Shaw, Robinson, Beatrice May, Merza, Niveus, Queen, Byron, Eureka, Wanamaker, Adelia, Mrs. McArthur, T. Eaton, Chadwick, Merry Christmas, Glory of Pacific, Rosiere, Shaw, Balfour, Duckham, Enguehard, M. F. Plant, Maud Dean, The Harriott, Mayor Weaver, Mrs. J. Marshall, Monrovia, G. Pitcher, Appleton, Bonnaffon, Golden Wedding, H. W. Rieman, Yellow Eaton, Cullingfordi, Merstham Red, Matchless, Mrs. Duckham, Old Gold. Pompons: Baby, Lulu, Briolas, 2¼-in., 5c each; 50c per doz.; $3 per 100; $25 per 1,000; R. C., $2 per 100; $15 per 1,000. A. N. Pierson, Cromwell, Conn.

CHRYSANTHEMUMS.

Strong, healthy, well rooted cuttings of Brutus, Roserie, Geo. S. Kalb, G. of Pacific, Cobbold, Halliday, Duckham (pink), Nellie Pockett, Appleton, Parr, Ben Wells, White and Pink Ivory, A. J. Balfour, Jeannie Nonin, White and Yellow Bonnafon, Roi de Italie, P. Plumridge, Minnie Bailey, W. B. Chamberlain, John K. Shaw, Edgar Saunders, Dr. Enguehard, Mrs. Weeks, Merza, Robinson, Willowbrook, C. Touset, Gen. Maceo, $1.50 per 100; 2-in. plants $2 per 100. October Frost, White and Golden Chadwick, White and Yellow Jones, White and Yellow Eaton, cuttings, $2 per 100; pot plants, $2.50 per 100. Golden Dome, $1 per doz.; $8 per 100. James Hamilton, Mt. Washington, Maryland.

MUM CUTTINGS. The big money makers: Beatrice May, C. Touset, Adelia, Oct. Frost, and Jeanne Nonin, fine stock, only $1.50 per 100; strong from soil, $2.50 per 100. Not more than 25 per cent Beatrice May in any order at above price. W. J. Olds, Union City, Pa.

Chrysanthemums, Monrovia, Oct. Sunshine, F. A. Cobbold, Mrs. Pockett, Col. Appleton, Nellie Pockett, Cheltoni, Lady Hopetoun, White Coombes, Ben. Wells, etc., $3 per 100; $25 per 1,000; 2¼-in. Chas. H. Totty, Madison, N. J.

Chrysanthemums, rooted cuttings: White, Timothy Eaton, Mrs. Geo. S. Kalb, fine early; Estelle, White Bonnaffon, Alice Byron, Ivory, C. Touset, Jeannie Nonin. Pink: Glory of the Pacific, Mary Mann, Dr. Enguehard, Maud Dean, Rosiere, Yellow; Major Bonnaffon, Cremo, Robt. Halliday, "Baby" small yellow, $2 per 100; $15 per 1,000. Cash with order. Wm. Swayne, P. O. Box 226, Kennett Square, Pa.

Chrysanthemums. The following are the very best and surest varieties for the southern commercial florist: White and Yellow Robinson, White and Yellow Jones, White and Yellow Eaton, White and Yellow Chadwick, Touset, Ivory, White Bonnaffon, Golden Gate, Appleton and Nonin. We can supply these for May delivery or early June planting, established pot plants, at $2 per 100. Chatogue Greenhouses, Mobile, Ala.

Hardy chrysanthemums, mixed, fine, strong plants, 2¼-in., $2.25 per 100; $20 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Chrysanthemums, R. C., leading vars., $1, $1.50 and $2 per 100. Schmalzl & Hembreiker, Lincoln, Ill.

Chrysanthemums, leading varieties. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums. Geo. A. Kuhl, Pekin, Ill.

The American Florist invites attention to the class of business firms in its adv. columns.

CLEMATIS.

Clematis, large flowering vars., 2-yr., red, purple, white, $3 per doz.; paniculata, 4-in., $1.50 per doz.; $10 per 100; 3-in., $5 per 100. C. Eisele, 11th and Westmoreland Sts., Phila.

COLEUS.

Coleus, Verschaffeltii, Golden Queen, Fire Brand, Lord Palmerston, Queen Victoria, Beckwith's Gem. R. C., 60c per 100; $5 per 1,000. Golden Bedder, Hero, Messey, Pearl of Orange, 75c per 100; $6 per 1,000. Fancy vars., 12 kinds, 75c per 100; $6 per 1,000. A. N. Pierson, Cromwell, Conn.

Coleus, 12 best standard sorts, strong, 2½-in., $2.50 per 100. Cannas, Egandale, Chas. Henderson, Burbank, Pennsylvania, 3-in. pots, $5 per 100. C. H. Green, Fremont, Neb.

Coleus, Verschaffeltii, Golden Bedder, etc., $2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Coleus, in standard varieties, 2¼-in., $2.25 per 100; $20 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Coleus, 60c per 100; $5 per 1,000. J. W. Davis & Co., Davenport, Iowa.

Coleus, 70c per 100; $6 per 1,000. C. Humfeld, Clay Center, Kans.

Coleus, 10 varieties, 2¼-in., $2 per 100. Jos. H. Cunningham, Delaware, O.

Coleus, R. C., 70c per 100; $6 per 1,000. S. D. Brant, Clay Center, Kans.

Coleus, 2-in., 2c. Byer Bros., Chamberb'g, Pa.

Coleus. Geo. M. Emmans, Newton, N. J.

CROTONS.

Crotons, 4-in., $25 per 100; 5-in., $50 per 100; 6-in., $75 per 100. Robt., Craig Co., 49th and Market Sts., Philadelphia.

CUPHEAS.

Cupheas, 2 kinds, R. C., 75c. Byer Bros., Chambersburg, Pa.

Cupheas, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

DAHLIAS.

Dahlias, 20 choicest named varieties, $8 per 100; 10 fine named varieties, $5 per 100; all field-grown. Zulu, fine dark red, $3.50 per 100; undivided clumps, mixed, $3. Wagner Park Conservatories, Sidney, O.

Dahlias, 2½-in., $2 per 100, such sorts as C. W. Bruton, Mrs. Winters, Fire Rain, Frank Smith, Mrs. Roosevelt, Kriemhilde, Countess of Lonsdale, Mme. Van der Dael. Memphis Floral Co., Memphis, Tenn.

Dahlias, 75 vars. in cactus, decorative, show and pompon, true to name, $5 per 100 up; 1,000, 50 each of 20 vars., our selection, $40. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Dahlias, standard, double valuable sorts, $3 and $4 per 100. New and fancy sorts, $8 to $12 per 100; few good standard sorts, $2 per 100. Ferndale Nurseries, Harlan, Iowa.

Dahlias, novelties and standard varieties, true to name. A choice list of the best introductions. Send for catalogue of dahlias, hollyhocks, hardy plants. W. W. Wilmore, Box 382, Denver, Colo.

Dahlias double mixed, per 100, $2; named, per 100, $3.50. H. H. Kern, Bonner Springs, Kans.

Dahlias, all leading vars., $45 to $50 per 1,000. Dingee & Conard Co., West Grove, Pa.

Dahlias, leading varieties. David Herbert & Sons, Atco, N. J.

Dahlias, all leading sorts. James Vick's Sons, Rochester, N. Y.

DAISIES.

Daisies, Shasta: Alaska and Burbank, undivided field clumps, $5 per 100; seedlings and transplanted, $1.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Daisy Queen Alexandra, well flowered, 6 and 7-in., $6 to $9 per doz. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Shasta daisies, strong field-grown divisions, per 100, $1. H. H. Kern, Bonner Springs, Kans.

Shasta daisies, field-grown, 100, $2.50; 1,000, $20. H. H. Kern, Bonner Springs, Kans.

DRACENAS.

Dracæna, indivisa, 4-in., $2 per doz.; 5-in., $3 per doz. Strong plants. C. C. Pollworth Co., Milwaukee, Wis.

Dracæna indivisa, 5-in., $3 per doz.; $20 per 100. Frank Oechslin, 2572 W. Adams St., Chicago.

Dracæna indivisa, 2-in., $3 per 100; 3-in., $5. Geo. M. Emmans, Newton, N. J.

Dracæna indivisa, 2¼-in., $2; 3-in., $5 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Dracæna indivisa, 4-in., $10 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

If you do not find what you need in our Ready Reference Department, write us about it.

EUONYMUS.

Euonymus radicans, 1, 1½-ft., $6; 2, 2½-ft., $8 per 100; bushy plants. Brae-Burn Nursery, West Newton, Mass.

FERNS.

Ferns for dishes, 6 vars., 2-in., $3 per 100; $25 per 1,000; 3-in., 75c per doz.; $6 per 100. Boston, 5-in., $3 per doz.; $25 per 100; 6-in., $6 per doz.; $50 per 100; 7-in., $9 per doz.; 8-in., $12 per doz. Whitmani, 8 and 9-in., $1.50 and $2 each. Anna Foster, for baskets, $2 each. Boston for baskets, 8-in., $1.25 each; 10-in., $2 each. Pteris Wimsetti and Ouvrardi, 4½-in., $2 per doz.; $15 per 100. Cyrtomium falcatum, 4½-in., $2 per doz.; $15 per 100; 5-in., $3 per doz.; $25 per 100; 6-in., $5 per doz. Frank Oechslin, 2572 W. Adams St., Chicago.

Ferns, Elegantissima, 2¼-in., $6 per 100; 3½-in., $15 per 100; 6-in., 50c each; 8-in., $1 and $1.50 each; 10-in., $2 each. Whitmani, 2¼-in., $6 per 100; 3½-in., $15 per 100; 6-in., 50c and 75c each; 8-in., $1.50 each; 10-in., $2 each. Scotti, 6-in., 50c each. Boston, 2¼-in., $4 per 100; 6-in., 50c each; 8-in., $1 each. Small ferns for pans, $4 per 100; $30 per 1,000. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston, 3-in., $1 per doz.; $7 per 100; 4-in., $1.50 per doz.; $10 per 100; 5-in., $4 per doz.; $25 per 100. Whitmani, 3-in., $1 per doz.; $7 per 100; 4-in., $1.50 per doz.; $10 per 100. Muskogee Carnation Co., Muskogee, Mich.

Whitmani ferns, none better, none cheaper from bench, $2 per 100; 2½-in. pots, $4 per 100; 3-inch pots, $10 per 100; 4-in. pots, $20 and $25 per 100; 6-in. pots, $50 and $75 per 100. B. M. Wichers & Co., Gretna, La.

Ferns, Boston, Piersoni, Annie Foster and Elegantissima, all sizes. Strong plants at bottom prices; see display adv. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns, Boston, 2½-in., 4c; 3-in., 8c; 4-in., 15c; 5-in., 25c; 6-in., 40c; 7-in., 65c; 8-in., $1 to $1.50; 10-in., $1.50 to $2. J. W. Dunford, Clayton, Mo.

Ferns, Whitmani, 2½-in. plants, sturdy and strong, $3.50 per 100; $30 per 1,000. Memphis Floral Co., 145 S. Main St., Memphis, Tenn.

Ferns, Whitmani, 2¼-in., $5 per 100; 3½-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Son, Whitman, Mass.

Ferns, Boston from bench, ready for 4-in., 6-in. and 8-in. pots, price $15, $25 and $35 per 100. Miami Floral Co., Dayton, O.

Ferns, Boston, 5-in., 30c each. Geo. M. Emmans, Newton, N. J.

Ferns, Scottii, Elegantissima, Whitmani, 2¼-in. W. W. Coles, Kokomo, Ind.

FEVERFEW.

Feverfew, 2-in., $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Feverfew, young plants, 75c per 100. Byer Bros., Chambersburg, Pa.

FUCHSIAS.

Fuchsias, $1 per 100. Shippensburg (Pa.) Floral Co.

GAILLARDIAS.

Gaillardias, 3-in. plants and field-grown, $4 and $5 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

GENTIANS.

Gentians, acaulis, verna; Edelweiss, 10 others plants, $2 postpaid. English Home of Alpine Plants, South Pool, S. Devon, England.

GERANIUMS.

100,000 GERANIUMS ready for delivery at special April prices. S. A. Nutt (in quantity), Beaute Poitevine, Jean Viaud, Francis Perkins, Peter Henderson. Mme. Buchner. Large top cuttings, well rooted, ready for 2½-in. pots, $1.50 per 100; $12.50 per 1,000. The above named varieties, short stout plants from the bench, will make fine 5-in. stock for Decoration Day, packed light, $5 per 100. Cash.
THE W. T. BUCKLEY CO.,
Springfield, Ill.

Geraniums, novelities 1907 introductions from Bruant, Lemoine, Boucharlat and Cannell, one each of 50 vars., our selection, singles and doubles, $5. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, Jean Viaud, Heteranthe, A. H. Trego, M. De Castellane, Granville (pink single), in bud, 3-in., strong and bushy, $5 per 100; $40 per 1,000. Memphis Floral Co., Memphis, Tenn.

Geraniums, Nutt, Doyle, Perkins, Ricard, Grant, La Favorite, R. C., $1.25; 2-in., $2; 3-in., $4 per 100. Trego, Viaud, Castellane, Poitevine, Jaulin, R. C., $1.50; 2-in., $2.50; 3-in., $5 per 100. Geo. Emmans, Newton, N. J.

Geraniums, Nutt, Perkins, Buchner, Doyle, $10 per 1,000. Viaud, Poitevine, Castellane, Ricard, $12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, splendid 4-in. plants, Ricard, Viaud, Heteranthe, Perkins, etc., $7. W. H. Gullett & Sons, Lincoln, Ill.

Geraniums, 10 vars., 2½-in., $3 per 100; $25 per 1,000; 3-in., $4 per 100. Jos. H. Cunningham, Delaware, O.

Geraniums, leading varieties, extra storng 2½-in., $2.50 per 100; 4-in., strong, $7 per 100. E. R. Tauch, Marquette, Mich.

Geraniums. 6 varieties double, S. A. Nutt and others, 2½-in., $2.50 per 100; $22.50 per 1,000. The Krueger Bros. Co., Toledo, O.

Geraniums, best commercial vars., 3-in., $3 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Geraniums, Nutt, Jean Viaud. Also Myrtle (evergreen) plants. George Hartung, 11816 Michigan Ave., Kensington, Chicago.

Geraniums, standard varieties, 2¼-in., $2.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

The American Florist invites attention to the class of business firms in its adv. columns.

Geraniums, 2½-in., $3.50; 3-in., $5; 4-in., $8. Geo. A. Kuhl, Pekin, Ill.

Geraniums, James Vick's Sons, Rochester, N.Y.

GLADIOLI.

Gladiolus: Mrs. Francis King, $4 per 100; $30 per 1,000; America, $7.50 per 100; $60 per 1,000; Augusta, $2 per 100; $17 per 1,000. Brenchleyensis, $1.45 per 100; $12 per 1,000. Monerot, $1.75 per 100; $15.00 per 1,000. "1900," $2.50 per 100. Shakespeare, $4.25 per 100; $38 per 1,000. Florist mixture, made from named light and white vars., $1.75 per 100; $15 per 1,000. Vaughan's Seed Store, Chicago and New York.

Gladiolus bulbs, over 15,000 bushels harvested. Groff's hybrid and other strains and named varieties of exceptional merit. Write for 1907 illustrated catalogue. Arthur Cowee, Gladiolus Specialist, Meadowvale Farm, Berlin, N. Y.

Gladiolus. Fine light shades, $1 per 100; 2nd size, 60c; dark shades, $1 per 100; $8 per 1,000. Finest Groff's, $1.50 per 100; 2nd size, 90c. Wagner Park Conservatories, Sidney, O.

Gladioli bulbs. Livingston's True Blue mixture, leading vars., $1.50 per 100; $14 per 1,000. Cheap mixture, $1 per 100; $9 per 1,000. Livingston Seed Co., Columbus, O.

Gladiolus, Hyacinthus candicans, spotted callas, oxalis, cinnamon vine, German Iris, lilies. E. S. Miller, Wading River, N. Y.

Gladiolus America, $6.50 per 100; $60 per 1,000. Write for prices on other stock. Cushman Gladiolus Co., Sylvania, O.

Gladiolus bulbs, $1 per 100. Geo. M. Emmans, Newton, N. J.

Gladiolus Lemoinei and Nanceianus. V. Lemoine & Son, Nancy, France.

GLOXINIAS.

Gloxinias. L. Van Houtte, Pere, Ghent, Belgium.

GREENS.

Greens, dagger and fancy ferns, $1.75 per 1,000. Bronze and green galax, $1.25 per 1,000. Leucothoe sprays, $1 per 100; $7.50 per 1,000. Sphagnum moss, per bale, $1.25. Boxwood bunches, 35c; 50 lbs., $7.50. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit.

Greens, bronze galax, $8.50 per case of 10,000; green, $7.50. Dagger and fancy ferns, $1.50 per 1,000. Laurel festooning, boxwood, southern wild smilax, sphagnum moss and green moss, leucothoe sprays, etc. H. M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, cut palmetto and cycas leaves, galax leucothoe, ferns, mosses, etc. Kervan Co., 113 W. 28th St., New York.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 53 W. 28th St., New York.

Greens, smilax, ferns, palm leaves, etc., John P. Scherer, Union Hill, N. J.

Greens, southern wild smilax. E. A. Beaven, Evergreen, Ala.

HARDY PERENNIALS.

Perennials. All field clumps, $3 per 100; Achillea. The Pearl, anthemis, Aegopodium variegata, Alyssum argenteum, asters, chelone, bocconia, asphodelus, assorted phlox, Helianthus max, Hel. rigidus; heliopsis, Hemerocallis fulva, hibiscus, double hardy pinks, assorted German iris, Rudbeckia laciniata, R. Golden Glow, solidago. Following at $5 per 100: Delphinium Chinensis, Del. formosum, digitalis, Funkia cœrulea, named German iris, Pyrethrum uliginosum, periwinkle, platycodon, valeriana. Following $6 per 100: Named phlox, hardy pinks, 4 varieties, liatris, Lychnis Chalcedonica, aquilegia in variety, Shasta daisies. Following at $7 per 100: Eulalia, 3 varieties, Tritoma Pfitzeri, Yucca, mixed peonies. Following at $10 per 100: Tritoma Express, named peonies, all colors. Wagner Park Conservatories, Sidney, O.

Sweet williams and hardy pinks, mixed, per 100, $3. H. H. Kern, Bonner Springs, Kans.

Hardy plants. Get our prices for field-grown stock. We have one of the finest assortments of undivided clumps, also in seedlings and transplanted. Ask for descriptive list. Mosbæk Greenhouse Co., Onarga, Ill.

Hardy phlox, seedlings, $2; field-grown, $5 per 100; 2¼-in. pots, $2.50 per 100; $22.50 per 1,000. Our selection of varieties, $20 per 1,000; fine stock in separate colors. Mosbæk Greenhouse Co., Onarga, Ill.

Vines, perennial sweet peas, assorted, $4 per 100. Clematis Virginiana, English ivy, Hall's Japan and golden honeysuckles, $6 per 100, all large field-grown. Wagner Park Conservatories, Sidney, O.

Moonvines, 2½-in., $5 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

HELIOTROPES.

Heliotrope, R. C., $1 per 100; $8 per 1,000. S. D. Brant, Clay Center, Kans.

Heliotropes, 4 of the best, 2¼-in., $2.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Heliotrope, 10 vars., $1 per 100; $8 per 1,000. C. Humfeld, Clay Center, Kans.

Heliotropes, 3 kinds, R. C., $1 per 100; 2-in., 2c. Byer Bros., Chambersburg, Pa.

Heliotrope, R. C., 75c per 100; $6 per 1,000. A. N. Pierson, Cromwell, Conn.

Heliotrope. Geo. M. Emmans, Newton, N. J.

HOLLYHOCKS.

Hollyhocks, double in six separate colors. Also the Allegheny or Everblooming strain in mixed colors, field-grown plants, $3 per 100 for either strains, Dahlias and hardy plants. Catalogue. W. W. Wilmore, Box 382 Denver, Colo.

Hollyhocks, in separate colors, 2¼-in., $2.25 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Hollyhocks, 3-in., double, white, pink, red, yellow, $3 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Hollyhocks, single, field-grown, $2.50 per 100. Byer Bros., Chambersburg, Pa.

HONEYSUCKLES.

Honeysuckles, Halliana and Red Trumpet, $1.50 per doz.; $10 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

HYDRANGEAS.

Hydrangea Otaksa Monstrosa, 4-in. pots, $6 per 100; 5-in., $2 per doz, $15 per 100; 10-in., fine large plants, $1 each. All above are pot grown. A few hundred in 6-in. pots, potted in September, 4 to 6 flowering shoots, 20c each. Cash. E. Fryer, Johnstown, Pa.

Hydrangeas, Otaksa and Thos. Hogg, 6-in., 3 to 4 flowering stems, $5 per doz.; $40 per 100; 7-in., 5 to 6 flowering stems, $8 per doz.; $75 per 100. Vaughan's Seed Store, Chicago and New York.

Hydrangeas, W. & T. Smith Co., Geneva, N. Y.

IMPATIENS.

Impatiens Sultani plant, red, in bloom, 1¾-in., 2c. M. Fenton, West Newton, Pa.

IVIES.

Ivy, English, 4-in., $1.50 per doz.; $10 per 100; 3-in., $5 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

English ivy, hardy, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Ivy, German, 75c per 100. Shippensburg (Pa.) Floral Co.

JASMINES.

Grandiflora Cape Jasmine buds, $7.50 per 1,000; 500 at 1,000 rate; 3,000 or more, $6.50 per 1,000; 85c per 100. C. W. Benson, Alvin, Texas.

LILACS.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

From Storage.

Lily of the valley for all occasions, $3 per 100; $25 per 1,000; extra select, $4 per 100. Cold storage pips, $1.50 per 100; $12 per 1,000; select stock, $1.75 per 100; $14 per 1,000. H. N. Bruns, 1409-11 Madison St. Chicago.

Lily of the valley, for forcing, $11 per 1,000. W. C. Beckert, Pittsburg, N. S., Pa.

Lily of the valley, pips, cold storage. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley, for forcing. Vaughan's Seed Store, Chicago and New York.

If you do not find what you need in our Ready Reference Department, write us about it.

LOBELIAS.

Lobelias, Crystal Palace Gem, $2 per 100; Kathleen Mallard, 2-in., $3 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Lobelia, new double blue, Kathleen Mallard, strong clumps from flats, $3 per 100; 10,000 ready now. H. W. Manike, Tacoma, Wash.

Lobelia Crystal Palace and speciosa, $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

MADEIRA VINE.

Maderia Vine, large, $1.25 per 100; $10 per 1,000. Vaughan's Seed Store, Chicago and N. Y.

MOSS.

Sphagnum moss, 5 barrel bale, $1.25; 2 bales, $2.25; 5 bales, $5; 10 bales, $9.50. H. R. Akers, Chatsworth, N. J.

Sphagnum moss in burlap or wired bales. Write for prices. Vaughan's Seed Store, Chicago and New York.

MUSHROOM SPAWN.

Mushroom. Spawn. Johnson's Improved. Johnson's Ltd., 44 Bedford Row, London, W. C., England.

Mushroom spawn. English and pure culture. Weeber & Don. 114 Chambers St., New York.

Mushroom spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Berberis Thumbergii, 18 to 24 ins., 12 to 18 ins.; 500 red oak, 2 to 5 ft. Norway Spruce, 12 to 18 ins. Oak Hill Nurseries, Roslindale, Mass.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, trees and shrubs, price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Nursery stock, large trees, oaks, maples, pines and hemlock. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, arbor-vitæ (Thuya occidentalis) 3 to 4 ft., 4 to 5 ft trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, hardy Michigan trees, shrubs, fruit trees and small fruits. Grand Rapids Nursery Co., Grand Rapids, Mich.

Nursery stock fruit and shade trees, shrubs, evergreens. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. Storrs & Harrison, Painesville, O.

ORANGES.

Oranges, Kinkan. P. J. Berckmans Co., Augusta, Ga.

ORCHIDS.

Orchids in superb condition. Cattleya Mossiæ, C. Schroederæ, Lælia anceps, Epidendrum vitellinum, etc. Lager & Hurrell, Summit, N. J.

Orchids, C. Trianæ, C. Percivaliana, C. speciosissima, C. Gaskelliana, Oncidium Krameriaanum. Ordonez Bros., Madison, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England. New York office, room 1, 235 Broadway.

Orchids, choice assorted flowering, established, $12 per doz. Wm. Mathews, West View Greenhouses, Utica, N. Y.

Orchids, Lælia purpurata, Cattleya intermedia, C. Mossiæ. Julius Roehrs, Rutherford, N. J.

Orchids, ready in April and May. Carillo & Baldwin, Secaucus, N. J.

PALMS.

Palms, Latania, 7-in., 30 ins. high, $1,25; 8-in., 36 ins. high, $1.75. Areca, 6-in., 36-ins. high, $1; 7-in., $1.45. Phœnix, 7-in., 36 ins. high, $1.50; 8-in., $2.50. Kentia, 7-in., 36 ins. high; $1.75; 8-in., $2.75; 10-in., $4. Wagner Park Conservatories, Sidney, O.

Palms. Cocos Weddelliana, 3-in., $2.50 per doz.; $20 per 100; 5-in., 4-in pot, 75c each; $9 per doz. Frank Oechslin, 2572 W. Adams St., Chicago.

Palms, Areca lutescens, Cocos Weddelliana, Kentia Bel. and Fors., home-grown. Jos. Heacock Co., Wyncote, Pa.

Latania Borbonica, from 2-in., 3 leaves, $3 per 100. The Perennial Gardens Co., Toledo, O.

Palms. P. J. Berckmans Co., Augusta, Ga.

Palms. L. Van Houtte, Pere, Ghent, Belgium.

PANDANUS.

Pandanus Veitchii, 5-in., $1 each; 5½-in., $1.25; 6-in., $1.50. Frank Oechslin, 2572 W. Adams St., Chicago.

PANSIES.

Pansies, giant flowering, 50c per 100; $2.50 per 1,000. Jos. H. Cunningham, Delaware, O.

Pansies, a mixture of the finest strains of exhibition stock obtainable in Germany and America. Seed bought direct from the growers. Good, strong, frame grown plants, 75c per 100; $6 per 1,000. N. E. Beck, Massillon, Ohio.

Pansy plants, the best mixture obtainable, good stocky plants in bud and bloom, $1 per 100; $8 per 1,000. A. R. Knowles, Bloomington, Ill.

Pansies from cold frame, strong, in bud, $1 per 100; $9 per 1,000; 2nd size, $5 per 1,000. F. A. Baller, Bloomington, Ill.

PELARGONIUMS.

Pelargoniums, 3-in., $1.50 per doz.; $6 per 100. R. Vincent, Jr. & Sons, White Marsh, Md.

Pelargoniums, $2.50 per 100. S. D. Brant, Clay Center, Kans.

PEONIES.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Wholesale peony list for fall 1908 is now ready. J. F. Rosenfield, West Point, Neb.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies, leading vars. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunia Berkshire, R. C., $2.50 per 100; $20 per 1,000. S. S. Skidelsky, 1731 No. 18th St., Philadelphia.

Petunias, double fringed, 2½-in., ready for 4-in., $2.50 per 100; R. C., $1 per 100. The Krueger Bros. Co., Toledo, O.

Petunias, dbl., R. C., $1.25 per 100; $10 per 1,000. S. D. Brant, Clay Center, Kans.

Petunias, dbl., $3 per 100. Jos. H. Cunningham, Delaware, O.

Petunias, dbl., 10 kinds. R. C., $1. Byer Bros., Chambersburg, Pa.

Petunias, Dreer's and Henderson's, $1.25 per 100; $10 per 1,000. C. Humfeld, Clay Center, Kans.

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POINSETTIAS.

Poinsettias, good, strong stock. $4 per 100. The Krueger Bros. Co., Toledo, O.

PRIMULAS.

Primula obconica grandi. rosea, 2½-in., 50c per doz.; $3 per 100; 3½-in., 75c per doz.; $6 per 100. Frank Oechslin, 2572 W. Adams St., Chicago.

RHODODENDRONS.

Rhododendrons. W. & T. Smith, Geneva, N. Y.

Rhododendrons. Jacs Smits, Naarden, Holland.

ROSES.

Roses, grafted, Mrs. Jardine, Rhea Reid, Queen Beatrice, $6 per doz.; 50 for $18; $35 per 100. My Maryland, 50c each; $5 per doz.; $35 per 100; own root, 2½-in., $25 per 100; $2 per 10; 3-in., $15 per doz. Mrs. Potter Palmer, $3 per doz.; $17.50 per 100; $125 per 1,000. New Rambler Newport Fairy, 2¼-in., $1 each; $9 per doz.; $50 per 100. Standard vars.; Aurora, Betty, Bon Silene, Bride, Maid, Enchanta, Etoile de France, Franz Deegen, Gen. MacArthur, G. Gate, Hermosa, Ivory, Kaiserin, Kate Moulton, Killarney, La Detroit, M. Cochet, M. Niel, Mme. Chatenay, Mme. Hoste, Mrs. Morgan, Gontier, Rosalind Orr English, Richmond, Carnot, Wootton, Uncle John, Wellesley, White Cochet, grafted, 2¼-in., 20c each; $2 per doz.; $15 per 100; $120 per 1,000. Am. Beauty, own-root, 2½-in., $8 per 100; $75 per 1,000; 3-in., $12 per 100; $100 per 1,000. Own root roses, 2½-in., Kaiserin, Killarney, Bride, Bridesmaid, Ivory, G. Gate, Uncle John, Richmond, Chatenay, Aurora, $1 per doz.; $6 per 100; $50 per 1,000; 2-in., $3.50 per 100; $30 per 1,000. A. N. Pierson, Cromwell, Conn.

SURPLUS FIELD-GROWN ROSES.

1,000 Baby Ramblers, 2 years, strong, $8 per 100; $70 per 1,000.
2,000 Dorothy Perkins, 2 years, strong, $6 per 100; $50 per 1,000.
1,000 Empress of China, 3 years, strong, $6 per 100; $50 per 1,000.
1,000 Edwin Lonsdale, 2 and 3 years. One of the best hardy, white climbing roses, $6 per 100; $50 per 1,000.
2,000 Columbia. A strong growing climber; flowers almost double, salmon pink shading to yellow at base of petals. 4 to 5 inches in diameter, $6 per 100; $50 per 1,000.

HOOPES BRO. & THOMAS COMPANY.
Maple Avenue Nurseries.
WEST CHESTER, PENNA.

Roses, Marechal Neil, 4-in., 2 to 3 canes, 24 ins., tall, live healthy roots, 20c. Pink Cochet Franciska Kruger, 3-in., $6 per 100; all 2-yr. old. Memphis Floral Co., Memphis, Tenn.

Roses. Geo. A. Kuhl, Pekin, Ill.

Roses, 2-yr.., budded, per doz., $2; $15 per 100; Am. Beauty, La France, Frau K. Druschki, Kaiserin, Soliel d'Or, Hermosa, Paul Neyron, Gruss an Teplitz, 2-yr., budded, $1.50 per doz.; $11 per 100. Anna de Diesbach, Fisher Holmes, Magna Charta, Ball of Snow, Gen. Jacq., M. P. Wilder, Capt. Christy, Mme. Testout, Mrs. J. Laing, etc. Crimson Rambler, 2-yr., imported, $12 per 100. Dorothy Perkins, 2-yr., home-grown, $12 per 100. Philadelphia Rambler, 2-yr.. home-grown, $12 per 100. White Baby Rambler, 2½-in., $8 per 100. Red Kaiserin, 2-yr. dormant, $20 per 100. Vaughan's Seed Store, Chicago and New York.

YOUNG ROSE STOCK.

	Per 100	Per 1,000
Kaiserin, 3½-in.	$5.00	$45.00
Kaiserin, 3-in.	4.50	40.00
Kaiserin, 2½-in.	3.50	30.00
Chatenay, 2½-in.	3.00	25.00
Maids, 2½-in.	3.00	25.00
Brides, 2½-in.	3.00	25.00
Richmond, 2½-in.	3.00	25.00
Kate Moulton, 2½-in.	3.00	25.00

WIETOR BROS., 51 Wabash Ave., Chicago.

Roses, $2.50 per 100; $25 per 1,000; Baby Rambler, C. Soupert, D. Perkins, Mme. A. Chatenay, C. Rambler; $2.75 per 100; $27.50 per 1,000: Hermosa, Maman Cochet, Malmaison, Etoile de Lyon, Helen Gould, Lady Gay, M. Niel, Notting, Meteor, White Maman; $3 per 100; $30 per 1,000; Black Prince, Mme. Masson, Richmond, Kaiserin, Paul Neyron, $3.50 per 100; $35 per 1,000; Etoile de France, Gen. McArthur, Mrs. J. Laing. Helen Good, $5 per 100. J. B. Clark, $8 per 100. C. M. Niuffer, Springfield, O.

Roses. Tausendschon and Lady Gay, 2-in., $7.50 per 100. Following are fine two and three-year-old plants on own roots: Russel's Cottage, Golden Chain, Dorothy Perkins, White, Pink and Yellow Rambler, Seven Sisters, Prairie Queen and Debutante, at $10 per 100. La Marque, Clothilde Soupert, Empress of China. Baltimore Belle, Jersey Beauty, $8 per 100. Manda's Triumph, $7. Baby Rambler, 3-yr., $20. Wagner Park Conservatories, Sidney, O.

Roses, Mrs. Potter Palmer, 2½-in., $15 per 100; $1.25 per 1,000; R. C., $8 per 100. Cardinal, 2½-in., $6 per 100; $55 per 1,000. Am. Beauty, R. C., $30 per 1,000; 2 and 2½-in., $6 per 100; $55 per 1,000. Maid, Bride, Richmond, Sunrise, Kaiserin, Uncle John, 2½-in., $4.50 per 100; $40 per 1,000. Bench Beauty plants, $55 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, bench plants, 1-yr.-old, Am. Beauty, $6 per 100; $50 per 1,000. Maid, Bride, Chatenay, $3 per 100; $25 per 1,000. Rooted Cuttings: Maid, Richmond, $1.50 per 100; $12 per 1,000. Kate Moulton, $2.50 per 100; $20 per 1,000. From 2½-in.: Climbing Killarney, $3 per 100; $25 per 1,000. Geo. Reinberg, 35 Randolph St., Chicago.

Roses, grafted, Chatenay, Killarney, Richmond, Liberty, La France, in rose pots, $15 per 100; 3½-in., $18 per 100. Brides, Maids, Golden Gate, Kaiserin, rose pots, $10 per 100; 3½-in., $15 per 100. Own root: 3-in., $9 and $7 per 100. J. L. Dillon, Bloomsburg, Pa.

Roses. Kaiserin, 2½-in., $4.50 per 100; $40 per 1,000. Maid, Bride, 2½-in., $3 per $100; $25 per 1,000. La Detroit, bench plants, $6 per 100; $50 per 1,000. Bassett & Washburn, 76 Wabash Ave., Chicago.

Roses, 2½-in., Bride, Maid, Uncle John, Ivory, Chatenay, $3 per 100; $25 per 1,000. Sunrise, Perle, $4 per 100; $35 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Extra strong White La France, Duchess Albany, Pink La France, $10 for 100; 30 ins. tall, 3 to 5 canes. Memphis Floral Co., Memphis, Tenn.

Brides and Maids, 2½-in. pots, $25 per 1,000. Beauties, 2½-in., $45 per 1,000; 3-in., $55 per 1,000; plants from bench, $50 per 1,000. A. C. Canfield, Springfield, Ill.

ROSES! ROSES! Bride, Maid, Golden Gate, Richmond, 2½-in., $3 per 100; $25 per 1000; 3-in., $5. Fine clean plants. W. H. Gullett & Sons, Lincoln, Ill.

Roses, Bride, Maid, Kaiserin, Killarney, Richmond, Wellesley, $12 per 100; $100 per 1,000. Jackson & Perkins Co., Newark, N. Y.

Roses, American Beauty, Richmond, bench plants, $6 per 100; $50 per 1,000. J. A. Budlong, 37-39 Randolph St., Chicago.

Roses, Am. Beauty, 2¼-in., $6 per 100; $50 per 1000. The E. G. Hill Co., Richmond, Ind.

American Beauties, rooted cuttings, $3 per 100; $25 per 1,000; 2¼-in., $6 per 100; $50 per 1,000. J. F. Wilcox, Council Bluffs, Iowa.

Roses, grafted and own root, Kaiserin, Carnot, Killarney, Richmond, Liberty, Bride and Bridesmaid. W. H. Elliott, Brighton, Mass.

Extra strong Marechal Neil, 5-in. pots, 30 to 36 ins. tall, 2 to 3 canes, live working roots, 35c. Memphis Floral Co., Memphis, Tenn.

Rose Tausendschon, 3-in., 10 for $1.50; $12 per 100; $100 per 1,000. Dingee & Conard Co., West Grove, Pa.

Rose Newport Fairy. Julius Roehrs Co., Rutherford, N. J.

Roses, 400 sorts, 2½ and 4-in. Leedle Floral Co., Springfield, O.

Roses. W. & T. Smith Co., Geneva, N. Y.

If you do not find what you need in our Ready Reference Department, write us about it.

Roses, American Beauty, bushes; bench plants, $6 per 100; $55 per 1,000. Wietor Bros., 51 Wabash Ave., Chicago.

Roses, Am. Beauty, 2¼-in., $5 per 100; $45 per 1000. Lamborn Floral Co., Alliance, O.

Roses. James Vick's Sons, Rochester, N. Y.

SAGE PLANTS.

Sage plants, good thrifty sage plants from 2-in. pots. Ready now. Price $1.50 per 100. Cash with order. Virginia Nursery Co., Purcellville, Va.

SALVIAS.

Salvia Zurich, ever-blooming type absolutely true, 2-in., $1 for 25; $3, 100; $25, 1,000. Rooted cuttings, $1.75, 100; $15, 1,000. J. L. Schiller, 929 Prouty Ave., Toledo, O.

Salvia Zurich, 2-in., $3 per 100; $25 per 1,000; R. C., $1.75 per 100; $15 per 1,000; now ready. The Krueger Bros. Co., Toledo, O.

Salvia Bonfire and Splendens, R. C., 75c per 100; $6 per 1,000. A. N. Pierson, Cromwell, Conn.

Salvias, in 5 standard varieties, 2¼-in., $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Salvias, Bonfire, St. Louis, $1 per 100; $8 per 1,000. C. Humfeld, Clay Center, Kans.

Salvias, R. C., $1 per 100; $8 per 1,000. S. D. Brant, Clay Center, Kans.

Salvia Zurich, R. C., $1.75 per 100; 2-in., $3. Perennial Gardens Co., Toledo, O.

Salvia Bonfire, 90c. Byer Bros., Chambersburg, Pa.

SEEDS.

SEEDS. SEEDS. SEEDS.
Buckbee's Famous "Full of Life"
Pedigreed Strains
of the newest and best varieties Vegetables and Flower Seeds, etc.
If you have failed to receive a copy of our Spring Trade List, write for it today.
H. W. BUCKBEE,
Forest City Greenhouses.
Rockford Seed Farm. Rockford, Ill.

Seeds, Primula obconica, the type, ⅛ oz., 50c; tr. pkt., 15c; grandiflora, mixed, 1-16 oz., $1; tr. pkt., 25c; fimbriata, 1-32 oz., $1; tr. pkt., 50c; Bright rose, 1-32 oz., $1; tr. pkt., 25c; Kermesina, 1-32 oz., $2; tr. pkt., 50c; white, 1-32 oz., $1; tr. pkt., 25c; gigantea rosea, 1-32 oz., $3; tr. pkt., 50c; gigantea Kermesina, tr. pkt., 35c. Vaughan's Seed Store, Chicago and New York.

Seeds, bean, beet, cabbage, carrot, kohl rabi, leek, lettuce, onion, pea, radish, spinach, turnip, swede, aster, balsam, begonia, carnation, cineraria, gloxinia, larkspur, nasturtium, pansy, petunia, phlox, primula, scabious, stock, verbena, zinnia, etc. Giant pansy, $5 per oz.; $1.50 per ¼ oz.; 75c per 1-16 oz. Henry Mette, Quedlinburg, Germany.

Seeds. Asparagus plumosus nanus, northern greenhouse grown, per 100 seeds, 60c; 250, $1.25; 1,000, $4; 5,000, $19.50; 10,000, $37.50. Vaughan's Seed Store, Chicago and New York.

Seeds, Primula obconica grandi, blood red, blue, carmine, pink, purple, violet, white, compacta, gigantea, fringed mixed, hybrids, separate, tr. pkt., 50c; 6 pkts., $2.50. O. V. Zangen, Hoboken, N. J.

Seeds, cyclamen, Mont Blanc, Baroness Burdett-Coutts, Crimson King, Duke of Connaught, Prince of Wales, Princess May, Rosy Morn, Picturatum, Dame Blanch, Duke of Fife, Brilliant. Primula Sinensis. St. George's Nursery Co., Harlington, Middlesex, England.

For Sale Cheap.—Cow or Field Peas. I have several hundred bushels of each Whippoorwill and Blue Goose, and other varieties. Wire or write me for prices and samples.
J. T. WALKER, Memphis, Tenn.

Seeds, verbena, mammoth, colors or mixed, ¼ oz., 30c; oz., $1. Salvia splendens, ¼ oz., 35c; oz., $1.25; Bonfire, ¼ oz., 75c; oz., $2.50. W. C. Beckert, Pittsburg, N. S., Pa.

Seeds. Tomato, the Don, Cauliflower. First and Best, Onion Ailsa Craig. Lettuce, Ideal. Mignonette, N. Y. Market. Weeber & Don, 114 Chambers St., New York.

Onion seed, Canary Islands, Bermuda, red and white, also Crystal Wax. Kuhner Henderson & Co., Teneriffe, Canary Islands.

Seeds, Asparagus plumosus nanus, new crop, highest germination, $2.50 per 1,000. Drake Point Greenhouses, Yalaha, Fla.

Seeds, Asparagus plumosus nanus, and robustus, $2 per 1,000. J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds, peas, beans and all garden seeds, onion sets, yellow, red and white. Leonard Seed Co., Chicago.

Seeds. Lawn grass in bulk or pkts. Dickinson's Evergreen and Pine Tree brands. Albert Dickinson Co., Chicago and Minneapolis.

Tree and shrub seeds, domestic and foreign. F. A. Miller, 326 Nicol Ave., Fruitvale, Calif.

Seeds of all kinds. H. E. Fiske Seed Co., 12 and 13 Faneuil Hall Sq., Boston, Mass.

Seeds, all kinds. H. H. Berger & Co., 70 Warren St., New York.

Seeds, sweet peas. Anton C. Zvonlanek, Bound Brook, N. J.

Seeds, peas, beans and garden seeds. Leonard Seed Co., Chicago.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds, pansy, 1,000 seeds, mixed, 25c; 1 oz., $2.25. H. Wrede, Luneburg, Germany.

Seeds, flower and vegetable. James Vick's Sons, Rochester, N. Y.

Seed potatoes, Red River stock. Onion sets, Vaughan's Seed Store, Chicago.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Seeds, all kinds. St. Louis Seed Co., 784-786 N. 4th St., St. Louis.

Contract Growers.

Seeds, onion, lettuce, sweet peas and other California specialties. C. C. Morse & Co., 48 to 56 Jackson St., San Francisco, Calif.

Seeds, vegetables and flower French grown, High grade. Trade only. Write for contract prices. Chas. Johnson, Marietta, Pa.

Seeds, bean, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, cabbage and cauliflower, Hjalmer Hartman & Co., Stormgade, Copenhagen; 31 Barclay St., New York.

Seeds, lettuce, onion, sweet pea, aster, cosmos, mignonette, verbena. Waldo Rohnert, Gilroy, Calif.

Seeds, growers for the wholesale trade only. Braslan Seed Grower's Co., San Jose, Calif.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seed beans. F. L. Hogue, Carpinteria, Calif. Grower for the wholesale trade only.

Seeds, garden peas and beans. Rogers Bros., Alpena, Mich.

SMILAX.

Smilax, nice stocky plants from fall, $3 per 1000; 2000 for $5; 5000 for $10; by mail, 50c per 100. F. A. Baller, Bloomington, Ill.

Smilax. fine plants ready for 2¼-in. pots, $4 per 1000; 50c per 100. Smith & Young Co., Stanton Ave., Indianapolis, Ind.

SPIREAS.

Spirea Gladstone, extra nice plants for Easter, 6-in pots, 35c each. Memphis Floral Co., Memphis, Tenn.

Spireas. Jacs Smits, Ltd., Naarden, Holland.

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Stevia, R. C., $1 per 100. E. T. Wanzer, Wheaton, Ill.

SWAINSONAS.

Swanisona alba, R. C., $1; 2-in., 2c. Byer Bros., Chambersburg, Pa.

Swainsona alba, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

VEGETABLE PLANTS.

Vegetable plants, tomato: Mayflower, Lorrillard, Earliana, Early Jewel, Early June, 30c per 100; $2 per 1,000. Beets: Egyptian and Crosby, 20c per 100; $1.25 per 1,000. Celery: White Plume, Golden Self Blanching, 20c per 100; $1.25 per 1,000. Pepper and egg plant, 40c per 100; $2 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Yellow Jersey and Red Bermuda sweet potatoes, 300,000 plants ready May 10. Let us book your order now at 30c per 100; $2 per 1,000; 500,000 early tomatoes; 300,000 early cabbage plants NOW ready, 30c per 100; $2 per 1,000. Cash. Mrs. Edward Hayden. Greenview, Ill.

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Lettuce plants. Grand Rapids and Black Seeded Simpson, $1 per 1,000; $9 per 10,000. B. E. Wadsworth, Box 224, Danville, Ill.

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Verbenas, red, white, purple and pink, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Verbenas, separate colors and mixed, 2¼-in. stock from seed, $2 per 100; $18 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Verbenas, $2 per 100. Jos. H. Cunningham, Delaware, O.

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Verbenas. Geo. M. Emmans, Newton, N. J.

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Vinca minor, 3-in., $4 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Vinca variegata, R. C., 90c per 100; $7.50 per 1,000; 2½-in., $2.25 per 100; $20 per 1,000. Leedle Floral Co., Springfield, O.

Vinca variegated, 10,000 extra strong 2¼-in., $2 per 100; $18 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

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Vincas, variegated, $1.25 per 100; $10 per 1,000. C. Humfeld, Clay Center, Kans.

Vinca variegata, 2 1-4-in., $2.50 per 100. Jos. H. Cunningham, Delaware, O.

Vinca var., 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

VIOLETS.

Gov. Herrick violets, clean, healthy divisions, not forced for flowers, $1 per 100. Cash. W. R. L. Dwyer, Lancaster, O.

Violets, Boston, $2 per doz.; $12 per 100; $100 per 1,000. Wm. Sim, Cliftondale, Mass.

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Commission Dealers.

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Amling, E. C., 32-36 Randolph St., Chicago.

Berning, H. G., 1402 Pine St., St. Louis.

Buffalo Cut Flower Co., 468 Washington St., Buffalo, N. Y.

Cleary's Horticultural Co., 62 Vesey St., New York.

Deamud, J. B. Co., 51 Wabash Ave., Chicago.

Ford Bros., 48 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

Guttman, Alex. J., 43 W. 28th St., New York.

Harty & Co., 1312 G St., N. W. Washington.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kennicott Bros. Co., 48-50 Wabash Ave., Chicago.

Kuehn, C. A., 1122 Pine St., St. Louis.

Langjahr, Alfred H., 55 W. 28th St., N. Y.

McCullough's Sons Co., J. M., 316 Walnut St., Cincinnati, O.

McIntyre, John, 1601 Ranstead St., Philadelphia.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

McKissick, W. E., 1619-1621 Ranstead St., Philadelphia.

Michigan Cut Flower Exchange, 30-40 Broadway, Detroit, Mich.

Millang Bros., 41 W. 28th St., New York.

Murdoch, J. B. & Co., 714 Penn Ave., Pittsburg, Pa.

Niessen Co., Leo, 1208 Arch St., Philadelphia.

N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.

Perkins & Nelson, 57 W. 26th St., New York.

Pittsburg Cut Flower Co., Ltd., 222 Oliver Ave., Pittsburg, Pa.

Pittsburg Florists' Exchange, 217-223 Diamond St., Pittsburg, Pa.

Pollworth, C. C. Co. Milwaukee, Wis.

Randall, A. L. Co., 19 Randolph St., Chicago.

Raynor, John L., 49 W. 28th St., New York.

Rice Bros., 128 N. 6th St., Minneapolis, Minn.

Robinson, Henry M. & Co., 11-15 Province St., Boston.

Seligman, John, 56 W. 26th St., New York.

Sheridan, Walter F., 39 W. 28th St., New York.

Smith & Co., W. C., 1316 Pine St., St. Louis.

Traendly & Schenck, 44 W. 28th St., N. Y.

Vaughan & Sperry, 58-60 Wabash Ave., Chicago.

Welch Bros., 226 Devonshire St., Boston.

Winterson, E. F. Co., 45-49 Wabash, Chicago.

Young, A. L. & Co., 54 W. 28th St., N. Y.

Young, Jr., Thos., 500 5th Ave., N. Y.

Young, John, 51 W. 28th St., New York.

Young & Nugent, 42 W. 28th St., New York.

Zech & Mann, 51 Wabash Ave., Chicago.

The American Florist invites attention to the class of business firms in its adv. columns.

Growers.

Bassett & Washburn, 76-78 Wabash Ave., Chicago.

Benthey & Coatsworth Co., The, 35 Randolph St., Chicago.

Bruns, H. N., 1409-11 W. Madison St., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Elliott, W. H., Brighton, Mass.

Hill, The E. G. Co., Richmond, Ind.

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Jensen & Dekema, 674 W. Foster Ave., Chicago.

Joy Floral Co., 601 Church St., Nashville, Tenn.

Muskogee Carnation Co., Muskogee, Okla.

Peacock Dahlia Farms, Atco, N. J.

Poehlmann Bros. Co., 35-37 Randolph St., Chicago.

Reinberg, Peter, 51 Wabash Ave., Chicago.

Weiland & Olinger, 128 E. 3rd St., Cincinnati, O.

Weiland & Risch, 59 Wabash Ave., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

Wittbold, Geo. Co., 1657 Buckingham Pl., Chicago.

Woodrow, Samuel A., 53 W. 30th St., New York.

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Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree St.

Albany, N. Y.—H. G. Eyers, 11 N. Pearl St.

Boston—Houghton & Clark, 396 Boyleston St.

Brooklyn, N. Y.—Robt. G. Wilson, Fulton St. and Green Ave.

Buffalo, N. Y.—Palmer's.

Chicago—Hauswirth Florist. Auditorium Annex.

Chicago—Wittbold, Florist, 1657 Buckingham Place.

Dayton, O.—Mathews, 16 W. 3rd St.

Denver, Colo.—Daniels & Fisher.

Denver, Colo.—The Park Floral Co.

Detroit, Mich.—John Breitmeyer's Sons, cor. Miami and Gratiot Aves.

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Kansas City, Mo.—Geo. M. Kellogg, 906 Grand Ave.; also Pleasant Hill, Mo.

Kansas City, Mo.—Samuel Murray, Coates House Co., 1017 Broadway.

Los Angeles, Calif.—J. W. Wolfskill, 218 W. 4th St.

Louisville, Ky.—J. Schultz, 644 4th Ave.

New Orleans, La.—U. J. Virgin, 833 Canal St.

New York—M. A. Bowe, 1294 Broadway.

Omaha, Neb.—Hess & Swoboda, 1415 Farnam St.

Philadelphia, Pa.—Robert Kift, 1725 Chestnut St.

Rochester, N. Y.—J. B. Keller Sons, 25 Clinton St.

St. Louis, Mo.—Fred C. Weber, 4320-28 Olive St.

St. Louis, Mo.—Young's, 1406 Olive St.

St. Paul, Minn.—Holm & Olson.

San Francisco, Calif.—J. B. Boland Co., 47-49 Geary St.

Seattle, Wash.—Woodland Seed & Floral Co., 808 2nd Ave.

Terre Haute, Ind.—Jno. G. Heinl & Son.

Washington, D. C.—Z. D. Blackistone, 14th and H Sts., N. W.

Washington, D. C.—A. Gude & Bro., 1214 F St.

ARTIFICIAL FLOWERS.

Artificial poinsettias. J. Schroader, 2253 Ontario St. Cleveland, O.

BOILERS.

Boilers, corrugated, firebox and sectional greenhouse heating. Hitchings & Co., 1170 Broadway, New York.

Boilers, improved greenhouse boilers, made of best material; shell firebox sheets and heads of steel; water space all around (front, sides and back). Kroeschell Bros. Co., 45 Erie St., Chicago.

Boilers, the Superior improved internal fired boiler. Made in 10 sizes to heat from 2,000 to 6,500 feet of 4-in. pipe. Superior Machine and Boiler Works, 125-133 W. Superior St., Chicago.

Boilers, Myers & Co., 1122 Betz Bldg., Philadelphia.

Boilers, the Burnham boilers, made for greenhouse heating. Lord & Burnham Co., 1133 Broadway, New York.

Boilers, boilers of high grade for greenhouses. Steam or hot water. Giblin & Co., Utica, N. Y.

Boilers, steel return tubular, steam or water. Johnston Heating Co., 138 E. 31st St., N. Y.

Boilers, water tube steam boilers. King Construction Co., North Tonawanda, N. Y.

Economy hot water heater. Thomas & Smith, 24 So. Carpenter St., Chicago.

Boilers, S. A. Jacobs & Sons, 1365 N. Flushing Ave., Brooklyn, N. Y.

BOXES.

Cut flower boxes. Send for prices. Edwards Folding Box Co., Philadelphia, Pa.

BUILDING MATERIAL.

Building material, hotbed sash, cypress, unglazed, 95c each; in doz. lots, 90c; glazed, $1.65 each; doz. lots, $1.60. Pine sash, unlot, $1.55 each. Building hardware, wire and wire fencing bolts, hatchets, hammers, etc. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Building material, cypress sash bars. Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pipe fittings, and all supplies needed in new or reconstruction work. Foley Mfg. Co. Western Ave. and 26th St. Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Building material, lumber for greenhouse benches, shiplap, drop siding, sheeting flooring, white cedar posts, etc. We are in special glazed, 90c; doz. lots, 85c; glazed, $1.60; doz. position to furnish "Pecky Cypress;" everything in pine and hemlock building lumber. Adam Schillo Lumber Co., cor. Weed and Hawthorn Sts., Chicago.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouses and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress, semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 113 Blackhawk St., Chicago.

Building and propagating sands, fire brick and fire clay. Portland cement, hard wall plaster. Garden City Sand Co., Security Bldg., Chicago.

Building material for U-bar greenhouses. Pierson U-bar Co., Metropolitan Bldg., 4th Ave. and 23rd St., New York.

Building material of all kinds. S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Building material of all kinds. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn.

Greenhouse material, Louisiana red cypress, Louisiana Red Cypress Co., Hibernia Bldg., New Orleans.

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Dried and ground SHEEP MANURE Nature's product unadulterated. For particulars address Natural Guano Co., Aurora, Ill.

Wizard brand pulverized sheep manure, large barrel, $4. The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

Ichthemic guano, in tins and bags. Fame's fertilizer, in tins and bags. Wm. Colchester & Co., Ipswich England.

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Glass importers and jobbers; greenhouse glass a specialty. Window glass. James H. Rice, corner Michigan, St. Clair and Illinois Sts., Chicago.

Glass, greenhouse glass a specialty; also window glass. Sprague, Smith & Co., 167-9 Randolph St., Chicago.

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Glass of all kinds and sizes. Sharp, Partridge & Co., 22nd and Lumber Sts., Chicago.

Glass, greenhouse all sizes. H. M. Hooker Co., 120-128 W. Washington St., Chicago.

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Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c, postpaid. Henry A Dreer, 714 Chestnut St., Philadelphia.

Siebert's zinc never-rust glazing points, 2 sizes ⅝ and ⅞, 40c per lb.; 16c extra by mail; 7 lbs., $2.50; 15 lbs., $5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburg, Pa.

Glazing points, Lord & Burnham special glazing nails (points). Lord & Burnham Co., 1133 Broadway, New York.

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Greenhouse construction, builders of greenhouses for private estates, institutions, parks, etc. Pierson U-bar Co., Metropolitan Bldg., 4th Ave. and 23rd St., New York.

Greenhouse construction, builders of every type of greenhouses, the most modern designs. Hitchings & Co., 1170 Broadway, N. Y.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 113 Blackhawk St., Chicago.

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Greenhouse construction, builder of private or commercial greenhouses. Frank Van Assche, Fulton and Rose Ave. and Dwight St., Jersey City, N. J.

Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction, builders of modern greenhouses. Myers & Co., 1122 Betz Bldg., Philadelphia.

Greenhouse construction and equipment. King Construction Co., North Tonawanda, N. Y.

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Gutters. Garland's gutters will keep snow and ice off your glass. A sample of our gutters is on exhibition at Chicago Flower Growers' Market. Geo. M. Garland, Des Plaines, Ill.

Gutters, cast-iron gutters. Lord & Burnham Improved V-shaped gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, New York.

Gutters. Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

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Hose, garden, ¾-in., 4c per ft. Competition garden hose, ¾-in., 50 ft. lengths with couplings, $2. Standard grade, ¾-in., 50 ft., lengths with couplings, 3 ply. 7c per ft.; 4 ply, 9c; 5 ply, 10c. Hose reels, 75c each. Sprinklers, 25c. Chicago House Wrecking Co., 35th and Iron Sts. Chicago.

Hose, 50-ft. lengths, ¾-in., 8½c; for heavy work, 12½c. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn, N. Y.

"SHOWERMAKER," $1. Jos. Kopcsay, So. Bend, Ind.

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Tobacco dust, made from heavy Kentucky leaf tobacco. Contains a larger amount of nicotine than any other tobacco dust offered for sale. Packed in barrels of 250 lbs. each. One barrel lots at 2½c per lb.; three barrel lots, 2¼c per lb., f. o. b. Louisville. Prices will be changed as soon as stock is reduced. Axton-Fisher Tob. Co., Louisville, Ky.

Fresh tobacco stems; 50c per 100 lbs.; $10 per ton. Scharff Bros., Van Wert, O.

Insecticides, tobacco paper, 24 sheets, 75c; 144, $3.50; 288, $6.50; 1,728, $35.10. Nico-fume liquid, pint, $1.50; ½ gal., $5.50; gal., $10.50; 5 gals., $47.25. The Kentucky Tob. Product Co., Louisville, Ky.

Insecticides. Carman's Antipest insecticide and fungicide, $1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Fumigating supplies, vaporizing pans for tobacco extract, improved. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Tobacco stems, bales 500 lbs., $1.50. W. C. Beckert, Allegheny, Pa.

Insecticides. Nicotcide Bug Killer, the best bug killer and bloom saver. P. R. Palethorpe Co., Owensboro, Ky.

MISCELLANEOUS.

SPLIT CARNATIONS easily and quickly mended—"Dear Sir: Enclosed money order to pay for 2000 more carnation staples. They are the best I have seen yet, beats the ——— forty ways. You don't need to be an expert to put them on. Frank Bennett, Florist." 50c per 1000. I. L. Pillsbury, Galesburg, Ill.

Engravings. Best engravings and illustrations of every description for catalogues. Send for estimates. Globe Eng. & Elec. Co., 427 Dearborn St., Chicago.

Waterproof aprons, oiled black or yellow, 8 oz., 70c; 10 oz., 75c; 12 oz., 85c; No. 10, 90c; No. 8, $1; No. 6, $1.10. Keystone Mfg. Co., 5th and Girard Ave., Philadelphia.

POTS, PANS, ETC.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

SUPPLIES.

Wire Work—Manufacturers of artistic florists' designs. New Price list; large discount. Pittsburg Cut Flower Co., Ltd., Pittsburg, Pa.

Supplies. Rustic hanging baskets, rustic pedestals, settees, chairs, tables, birdhouses, window boxes, vases, etc. Reed & Keller, 122 W. 25th St., New York.

Supplies. Cape flowers, cycas leaves, metal designs and all florists' supplies. A. Herrmann, 404-12 E. 34th St., New York.

Supplies. Importers and manufactures of florists' supplies. L. Baumann & Co., 78 Wabash Ave., Chicago.

If you do not find what you need in our Ready Reference Department, write us about it.

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OVER 40% NICOTINE.

Furnishes the Most Nicotine for the Money!

By far the CHEAPEST.

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Pint......................$ 1.50
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Gallon.................. 10.50
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Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florists' Supplies.

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— MAKER OF —

Artificial Flowers,

344 Ontario St., CLEVELAND, O.

H. BAYERSDORFER & CO.,

Florists' Supplies.

1129 Arch Street, PHILADELPHIA, PA.
Send for our new catalogue.

Minneapolis.

BIG EASTER TRADE.

Once more the florists' harvest has come and gone with its attendant rush and bustle. The first part of the week the retailers busied themselves putting in their stock of plants, and confirming their orders for cut flowers. The second day preceding Easter rained all day, and the outlook was gloomy, causing a few orders to be cancelled from the wholesale houses. Saturday dawned bright and clear, and the stores were crowded from early morning to late at night. Lilies were plentiful and cheap; there did not seem to be a dearth of anything except violets. The department stores had plants at every turn, some selling lilies at 18 cents per bud. The Greeks seemed to reap a better harvest than ever this year; their stores teemed with people laden with plants and sleepy carnations.

NOTES.

R. A. Latham put in a display at the handicraft guild, and realized a round sum from his venture. The interior of the large room was well adapted to show the number of artistically arranged baskets and boxes of plants and cut flowers. The business was about equally divided between the two stores, with the result of doubling last year's business.

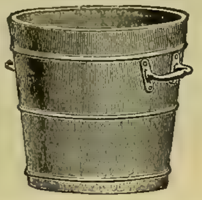
Jas. Souden annexed a neighboring store, and expressed himself well satisfied with his first Easter. He sold a number of baskets, and cut flowers seemed to move rapidly at this store.

Miss Whitted could have sold a couple of thousand more violets, but could not get them. She cleaned out everything in the store in the line of plants and baskets.

Amundson & Kerchner again put in a stock in the West hotel, and caught a number of transients, putting a hole in the sales of the other Hennepin florists.

The Minneapolis Floral Co. reported a house cleared of everything on Saturday night. The immense stock of plants began its outgoing procession three weeks ago, and those who turned in their orders late stood poor chances of getting them filled. M.

DREER'S Florist Specialties. KEYSTONE CEDAR PLANT TUBS.



	Diam.	Each.	Doz.	100.
A	11 in.	.65	7.15	55.00
B	12¼ "	.75	8.25	65.00
C	13¼ "	.85	9.35	75.00
D	14¼ "	1.00	11.00	90.00
E	15¾ "	1.25	13.75	110.00
F	16¼ "	1.50	16.50	130.00

Three largest sizes have handles.

Special PAIL TUBS.

8 inches.	.30	3.50	28.00
11 "	.30	3.50	28 00

Painted Green.

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA, PA.

Cattle Manure In Bags Shredded or Pulverized

Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.
The Pulverized Manure Co., 32 Union Stock Yards, Chicago

Wired Toothpicks

10,000, $1.75: 50,000, $7.50. Manufactured by
W. J. COWEE, BERLIN. N. Y.
Sample free. For sale by dealers.

L. BAUMANN & CO.,

Importers and Manufacturers of Florists' Supplies

76-78 Wabash Ave., CHICAGO.

Write for our New Catalogue F. Our prices may interest you.

Florists' Refrigerators

Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCrayRefrigerator Co 760 Mill Street, KENDALLVILLE, IND.

REED & KELLER,

122 W. 25th St., NEW YORK.

FLORISTS' SUPPLIES

We manufacture all our Metal Designs, Baskets, Wire Work & Novelties and are dealers in Glassware, Pottery, Decorative Greens and all Florists' Requisites.

200 HIGHEST AWARDS. GOLD MEDALS from all the Principal Exhibitions

Pure Ichthemic Guano

The most reliable, the Richest Food and the Most Natural Fertiliser. Supplied in tins and bags.

Fame's Fertiliser.

Swift, Safe and Sure.

The Most Scientific Plant Food extant. Supplied in ti s and bags.

May be obtained of the principal Nurserymen, Seedsmen, Florists and Chemists, or DIRECT OF the Sole Proprietors and Manufacturers,

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Shipping Depots all over the World.

THE BEST Bug Killer and Bloom Saver.

For PROOF Write to

P. R. PALETHORPE COMPANY, OWENSBORO, KY.

Carman's Antipest

INSECTICIDE AND FUNGICIDE
For the Garden, Orchard and Greenhouse
Non-poisonous and harmless to vegetation.
Kills Green Fly, Aphides, Bark Lice, Thrips, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

This is the Grower's Friend, handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. $1.50 per gallon. Also in quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO., FLUSHING, N. Y.

Increase Crops in Orchard and Field with THE AUTO-SPRAY
It is guaranteed to be the most powerful, easily operated, economical hand sprayer made. With it a boy outworks three men with ordinary device. Used by U. S. Government and State Experiment Stations. Fitted with Auto-Pop Nozzle it is equal to large operations as well as small. Write if you want agency. Spraying Calendar Free.
E. C. Brown Co., 74 Jay St. Rochester, N. Y.

LA PORTE, IND.—The father of W. C. Kaber, founder of the Kaber Co., of this city, died April 4. Mr. Kaber was our pioneer florist.

Morristown, N. J.

The meeting of the Morris Co. Gardeners' and Florists' Society April 8, was rose night, and though we had a few other things there, the name was most fitting. Novelties did not put in their appearance as much as we hoped, but the home growers came up beyond all expectations and the quality and quantity was better than ever. We had nearly a full attendance of members and visitors from New York, Newark, Orange, Rutherford and Dover. James B. McArdle of Vaughan's Seed Store made an address giving his impression of the exhibition.

The Harry A. Bunyard prize of $5 for the best flowering plant on exhibition went to H. B. Vyse, gardener to A. R. Whitney for a grand specimen of Calceolaria hybrida. A 10-foot specimen plant of fuchsia from Dr. Leslie D. Ward, A. R. Kennedy, grower, received a special prize of $3 and was much admired. The same grower had a nice dish of Telegraph cucumber. C. H. Totty had Azalea Bernard Andreas Alba, which added to the attractiveness of the exhibition. Otto Koch, florist to the State hospital, Morris Plains, brought down six specimen plants of Spirea Gladstone and six of Spirea Queen Alexandra. Gladstone got a cultural certificate and Queen Alexandra got a certificate of merit; also special cash prize of $3. Other awards were:

A. C. Van Gassbeck, Orange, John Dervan gardener, one vase mixed roses and one vase antirrhinum. Cultural certificate.

Robt. M. Schultz, three vases roses, Richmond, Bride and Ivory.—Cultural certificate.

Villa Lorraine Roseries, F. P. Brigham grower, one vase 100 Bride, very fine.—Cultural certificate.

John R. Mitchell, our essayist, three vases roses, Richmond, Bridesmaid and Ivory (the Richmonds were especially fine).—Cultural certificate.

C. A. Wortz, Wm. Muhlmichel grower, one vase Richmond.—Cultural certificate.

Louis A. Noe, Joseph Ruizicka grower, four vases roses, Killarney, Richmond, American Beauty and Bridesmaid. —Cultural certificate. This was a magnificent exhibit.

John Green brought his new seedling carnations Red Seedling No. 1 and White Seedling No. 2. The first was awarded a certificate of merit on scoring 85 points. It is a fine scarlet. The second was awarded honorable mention on 76 points. Both are of decided merit.

Florham Farms, A. Herrington superintendent, four vases roses, Richmond, Mme. Chatenay, Bridesmaid, American Beauty and a fine lot of Darwin tulips.—Cultural certificate.

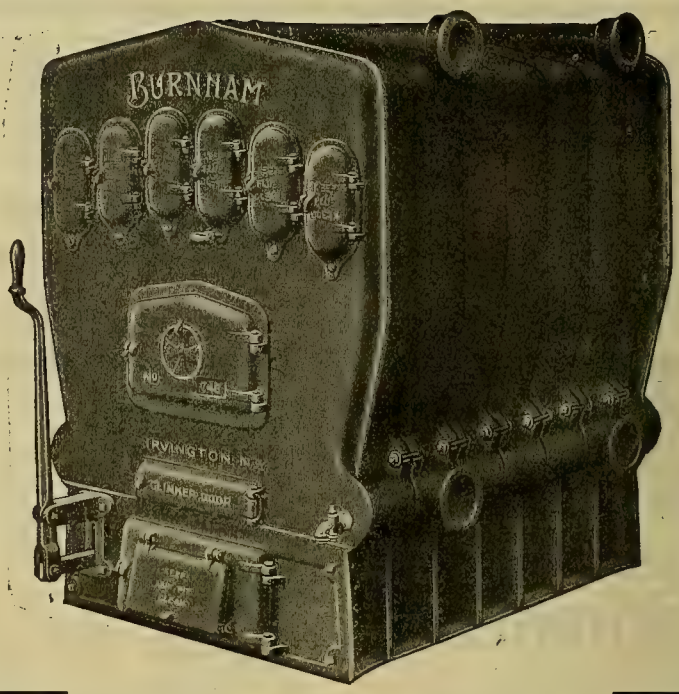
Wm. Duckham had one vase roses, Richmond.—Cultural certificate.

John R. Mitchell when called on for his address on the rose, did it well and was awarded a rising vote of thanks. Mr. Mitchell invited discussion of his paper and a pleasant and profitable time was spent in so doing, Messrs. Ruizicka, Duckham, Manda, Totty, Herrington, Kennedy and Muhlmichel taking part in it.

The next meeting, May 13, will be devoted to flowering shrubs and herbaceous plants. Arthur Herrington has consented to write us a paper on the subject. We are going to give a ladies night on that occasion. We want to fill the hall with the wives, sweethearts, mothers-in-law and aunts of our members. Robt. M. Schultz is chairman of the refreshment committee and Bob has a record of doing things well, so we anticipate a good time.

E. R.

WASHINGTON, D. C.—Dr. Radcliffe, pastor of the New York Avenue Presbyterian church took the "Cherry Blossom" for his text for his annual flower sermon April 12.



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For shallow cellars requiring low flow pipe connections, we have made our 18 and 30 Series Sectional Hot Water Boilers with socket connections on either side for caulked joints.

The height to center of flow pipe outlet on the 18 is 48¼ inches; on the 30 it is 61 inches.

When your old greenhouse boiler with side connections gives out, this Boiler will fit into its place without change of piping. Just another "Burnham" money saving point. Send for the new catalog.

57 Sizes — Burns Hard or Soft Coal.

LORD AND BURNHAM CO.,
1133 Broadway, NEW YORK.

S. Jacobs & Sons

Manufacturers of Gulf Cypress
GREENHOUSE MATERIAL
HOTBED SASH AND FRAMES.
Jobbers in.. **BOILERS, PIPE, FITTINGS**
—AND—
GLASS on which we can quote attractive prices.

We furnish everything for building greenhouses, etc.

365-79 Flushing Avenue, Brooklyn, N. Y.

FRESH WATER

WITHOUT STORAGE—DIRECT FROM the source of supply, throughout the nursery, by using the Perry Pneumatic water system. A new and simple solution of the water problem. Write for particulars.

UNITED PUMP & POWER CO.
Old Colony Building, CHICAGO.

SAVE

FUEL, WATER, REPAIRS
HOW?
By Installing a
MOREHEAD TRAP

Write us for a 30 days' trial. We will place a trap in your heating system and will abide by your decision whether it pays or not. We know once you install a MOREHEAD you will never be without one—Investigate it.

MOREHEAD MFG. CO.
1047 Grand River Avenue
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MYERS & CO. BUILDERS OF
Modern Greenhouses
HEATING
BOILERS.
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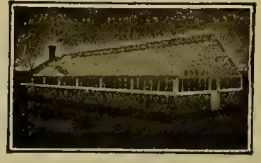

MALDEN, MASS.—John Walsh & Sons had the decoration at the Hall-True wedding April 7 and these were very beautiful and elaborate. The parlor was in Bride roses and palms; music room, in pink roses and ferns; dining-room, in jonquils and palms; the hall, in laurel and American Beauty roses. The wedding party stood beneath an arch banked with palms and ferns.

CHELSEA, MASS.—Two florists burned out in the big fire are Mrs. Catherine B. Magee, 390 Broadway, and B. B. Smalley, 303 Broadway.

STEEL RETURN TUBULAR

Steam **BOILERS** Water

WHAT F. R. PIERSON SAYS:

JOHNSTON HEATING CO., New York City.
Gentlemen —The internally fired steel boilers which you installed last fall are giving us great satisfaction. They heat very quickly and are very economical. We are exceedingly well pleased with them and they have more than met our expectations. Very truly yours, F. R. PIERSON CO.

Johnston Heating Co., 138 East 31st. St. NEW YORK CITY

Write for catalogue and prices.

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Floral..... Arrangement.

The first special newspaper in the world for floral arrangement.

250 ILLUSTRATIONS ANNUALLY.

Specimen number free.
Subscription, $2.40 yearly.

BINDEKUNST-VERLAG.
J. Olbertz, ERFURT, GERMANY.

Window Gardening

BY H. B. DORNER.

A plain and practical treatise on window and house plants invaluable to the beginner.. Retail florists should procure copies of this book for their customers. It contains 153 pages of excellent reading matter and 43 illustrations. **Price $1.20.**

AMERICAN FLORIST COMPANY,
324 Dearborn Street, CHICAGO.

Davenport, Ia.

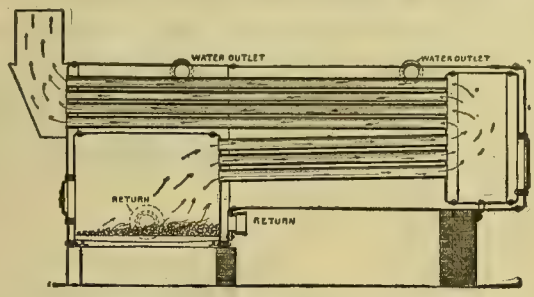
BETTER THAN LAST YEAR.

Easter business here was in every respect very satisfactory, better in fact by far than we had looked for. It was up to former years and just a little bit better, with enough of most everything to meet the demand. More pot plants were sold than ever before, owing perhaps to the lateness of Easter and that they soon could be planted outside. There was a great call for lilies with enough to go round and better stock than usual, with the exception of Harrisii. A more complete line of flowering plants was never shown. Tulips and Dutch hyacinths were in full bloom outdoors. As usual the holiday was accompanied by several large funerals and several of the florists were kept busy all day Easter on design work. Prospects are very bright for a good business in bedding plants. Enough advance orders are in to keep the florists busy for some time to come. Carnation planting will begin in earnest this week but rain is needed to put the fields into good working order. T. E.

THE SUPERIOR

Return Flue Fire Box Boiler.

Ask the man that knows. The names are yours for the asking of them.



12 of these were bought and used by one grower. 6 by another grower.

This boiler has given better satisfaction than any other boiler on the market
MADE IN EIGHT SIZES FOR HOT WATER.
Send for new catalogue and list of growers that are using this boiler.

Superior Machine and Boiler Works, 125 W. Superior St., CHICAGO.

THE KROESCHELL BOILER

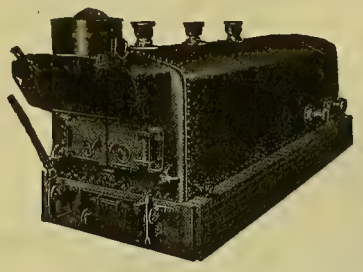
is the only perfect

HOT WATER BOILER.

We manufacture every type of boiler in use, but our greenhouse boiler, because of its special construction, possesses many advantages over any other type.

Prices and catalogue on application.

KROESCHELL BROS. CO.
45 Erie Street, CHICAGO.



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WRITE FOR FIGURES.
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Cyclopedia of American Horticulture
BY
PROF. L. H. BAILEY
FOUR VOLUMES - - - - - $20.00
Every up-to-date florist and gardener will find it necessary to add this splendid work to his library
AMERICAN FLORIST CO.
324 Dearborn Street, CHICAGO.

Le Journal des Roses.

Organ of the French Rosarians.

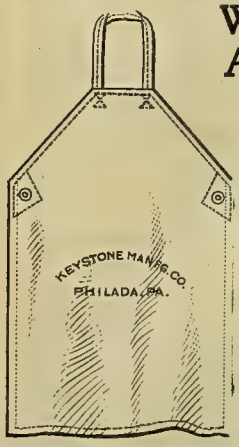
Published at Paris. Once a month with colored plates.
Subscription $2.70 per Year. Sample Copies Free.

ADMINISTRATION DU **JOURNAL DES ROSES**
a SUISNES, Brie
Par Grisy-Suisnes. (Seine et Marne), FRANCE

THE BEST WAY TO COLLECT AN ACCOUNT
is to place it with the
NATIONAL FLORISTS' BOARD OF TRADE
56 Pine St., New York.
Why? Because many debtors will pay the Board, fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

NEWPORT, R. I.—The premium list for the June exhibition by the Horticultural Society in Masonic hall June 23 and 24, for plants, fruits, roses and other cut flowers has been issued. The exhibition will be open to the public at 3:30 p. m. on June 23 and will close at 11 p. m. June 24. The prizes are numerous and well worth securing and many of the gardeners for the summer residents, and school children and florists will try hard to win.

THE WHILLDIN POTTERY COMPANY
THE LARGEST MANUFACTURERS OF
STANDARD FLOWER POTS
PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.



Water-Proof Aprons.....

Made of canvas in the best manner and well oiled by our own process.

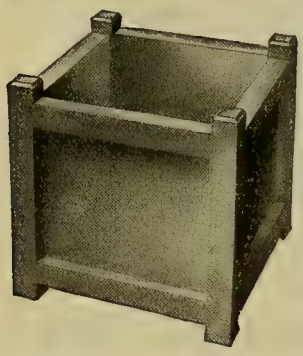
Do not confound these aprons with cheaper grades, as they are in a class by themselves. Oiled black or yellow

	Each,		Each.
8 oz.	70c	No. 10.	$0.90
10 "	75c.,	" 8.	1.00
12 "	85c.,	" 6.	1.10

10% discount in dozen lots.

Makers of Canvas Goods of every description.

Keystone Manfg. Co, 5th and Girard Ave. Philadelphia.



Large plants, Bay and Box trees, Palms, Hydrangeas, Agaves, etc. will soon need repotting. Use the

Mission Plant Box

It you want the most durable and appropriate box made. Very reasonable in price. Made of pine or cypress.

Write for prices.

Wagner Park Conservatories, SIDNEY, OHIO.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

Rochester, N. Y.

Although the Saturday preceding Easter was a rainy day, the storekeepers all pronounced it a very successful Easter and trade averaged well with that of previous years. The demand for Easter lilies, azaleas, hydrangeas and Crimson Rambler roses was very heavy. One commission man disposed of 125,000 violets on April 18.

NOTES.

E. R. Fry has so much landscape work to attend to that he is seriously thinking of giving that branch of his business his entire attention.

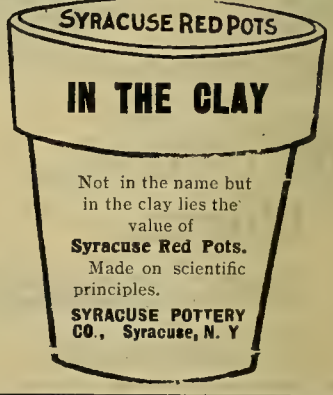
H. E. Wilson, in addition to the two main street stores, had an Easter annex, and did a rushing business in all three.

Wm. Galentine, of Barnard, had two houses of carnations come into a heavy crop just right for Easter.

F. W.

THE KELLER POTTERY COMPANY,
Manufacturers of FLORISTS' RED STANDARD POTS.
Azalea Pots, Bulb and Fern Pans, Etc.
Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

The Ionia Pot is the Best Pot.
That's the reason why it was necessary to double our capacity in 1907 to take care of the trade of 1908. Our factory equipment is the best. Our output is the largest.
Hand your next season's order to Uncle Sam today. Our invoice will be in your hands on his return trip.
IONIA POTTERY COMPANY, Ionia, Mich.



Standard Flower Pots!
Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2-in.,	in crate,	$4.88	120 7-in., in crate, $4.20
1500 2¼	"	5.25	60-8 " 3.00
			HAND MADE.
1500 2½	"	6.00	48 9-in., in crate, $3.60
1000 3	"	5.00	48 10 " 4.80
800 3½	"	5.80	24 11 " 3.60
500 4	"	4.50	24 12 " 4.80
320 5	"	4.51	12 14 " 4.80
144 6	"	3.16	6 16 " 4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address

HILFINGER BROS. POTTERY, Fort Edward, N.Y.
or AUGUST ROLKER & SONS, New York Agents
31 Barclay Street, New York City.

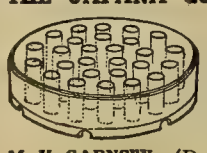
Kramer's Pot Hangers
For Sale by Wholesale Seedsmen, Florists and Supply Dealers.
Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.
I. N. Kramer & Son, CEDAR RAPIDS, IOWA.

Those Red Pots
"STANDARDS"
FULL SIZE AND WIDE BOTTOMS, BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'F'Y.
HARRY BALSLEY, Rep. DETRIOT, MICH. 490 Howard St.

GEO. KELLER & SON,
MANUFACTURERS OF
FLOWER POTS.
Before buying write for prices
361-363 Herndon Street, near Wrightwood Ave.,
CHICAGO, ILL.

Florist's Red Pots
OF FINELY PREPARED CLAY.
Process and catalogue sent on request.
The Peters & Reed Pottery Co, ZANESVILLE, OHIO.

THE "JAPANA" CUTFLOWER HOLDER



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YOU be the first to introduce this long needed article.
Made of glass in 3 sizes.
Send for circular and price list.
M. V. GARNSEY, (Dept. B). La Grange, Ill.

Standard Flower Pots
Porosity and Strength Unsurpassed.
Write for Prices.
A. F. KOHR,
1521 Leavitt Street, CHICAGO.

Always mention The American Florist when you order stock.

GREENHOUSE GLASS

PRICES WAY DOWN! DON'T HESITATE! WRITE TO-DAY!

You have been waiting for just such a time as the present and unless all signs fail, you will make no mistake in buying for present and future needs. Tell us the sizes you use, and we will quote prices that mean business.

HOOKER'S GREENHOUSE WHITE

WHITE AS SNOW. READY FOR USE. TOUGH AS LEATHER.

Years of experience and study have produced this wonderful wearing white and you know it requires just as much time to put on a cheap paint as it does the best.

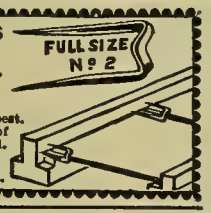
Half Barrels, (25 Gals.) per gal. $1.40. 5 Gallon Buckets, per gal. $1.50.

H. M. HOOKER COMPANY,

Long Distance Phone Monroe 4994.

120 to 128 W. Washington St., CHICAGO.

Holds Glass Firmly
See the Point
PEERLESS
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER, 714 Chestnut St., Phila., Pa.



Buffalo.

A GOOD TRADE FOR ALL.

Easter has come and gone and I think all had a good trade. The weather was good the first part of the week but Wednesday it rained and turned cold, down to freezing part of Friday with rain on Saturday and Sunday, which retarded early shopping. The stock was never more plentiful nor quality better. No reports as yet as to the amount of business done, but it seems as if it was in excess of last year. Several had branch stores to handle their surplus and others had theirs in the department stores, consequently no one had to look around for flowers. Lilies, azaleas, hybrid, rambler and Baby roses in particular sold well. Some of the lilies were short but not enough to hurt the sale. Cut flowers moved slowly, all wanting one flower and not a mixture. With the vast number of plants, cut roses were not so much in demand, although American Beauty sold well. Violets and lily of the valley were in great demand also good carnations; tulips and daffodils had their usual call. Prettily arranged baskets of plants and trimmed azaleas that were not overdone with ribbons sold much better than last year. The windows of Palmer & Sons' two stores and of S. A. Anderson were the talk of the town, as was also the advertisements of S. A. Anderson in all the daily papers which were only equaled in size by those of the dry good stores and fully demonstrates that it pays. Orchids, while not in oversupply, were all sold. The question of delivery has reached unusual proportions and the system adopted by all in having plenty of boys and wagons was good.

W. F. Kasting has been ill for the past 10 days, and was not able to be at his store through Easter, but still had a good trade. We learn that he is better and expects to be around this week.

Byrne Bros. are going to discontinue their retail store and confine themselves to growing.

The Buffalo Cut Flower Co. had a good trade for its first Easter. BISON.

The James H. Rice Co.

IMPORTERS and JOBBERS

GREENHOUSE GLASS

A SPECIALTY.

Window Glass, Paint, Putty, etc.

Office and Warehouse: Corner of Michigan, St. Clair and Illinois Streets, CHICAGO.

SPRAGUE, SMITH CO.

Jobbers of WINDOW GLASS.

GREENHOUSE GLASS

A SPECIALTY.

167-169 Randolph Street, CHICAGO.

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty, Lasts longer than putty. Easy to apply.

MASTICA

FOR Greenhouse Glazing

USE IT NOW.

F. O. PIERCE CO.
170 Fulton St., NEW YORK

STENZEL GLASS CO.,

GREENHOUSE GLASS.

French and American "WHITE ROSE" Brand.

2 Hudson St., NEW YORK.

For Sale Cheap

10,000 sq. ft. **GREENHOUSE GLASS.** Also **GLAZED SASH** and other greenhouse supplies. All material at Douglas Park Greenhouse, which we are now wrecking. Salesman on job.

CHICAGO IRON & METAL CO.

43 N. Halsted St., CHICAGO.

SIEBERT'S ZINC Never Rust GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, ¼ and ⅜. 60c per lb.; by mail, 16c extra; 7 lbs. for $2 50; 13 lbs. for $5.00 by express. For sale by the trade.

RANDOLPH & McCLEMENTS, Successors to Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.

Louisiana Red Cypress

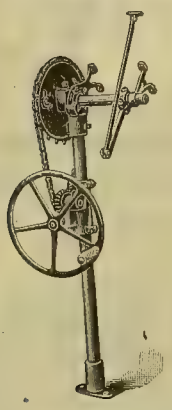
SAYS BOBBINK & ATKINS, of Rutherford, N. J., "Lasts with us from two to three years longer than any other wood for table purposes, and its life seems to be endless when used in ordinary greenhouse construction. We use cypress solely in our Plant Tub Department and manufacture tubs of all sizes from the smallest to the largest, of cypress."

It Is Best for Greenhouse Building.

It is the only wood that successfully withstands the almost intolerable alternate wet and dry conditions incident to this work.

IT IS THE MOST DURABLE WOOD KNOWN. Ask about it at your local lumber yard or write

LOUISIANA RED CYPRESS CO. HIBERNIA BUILDING, **New Orleans, La.**



The Advance Ventilating Apparatus

It is merit that counts—that has made it possible to sell 68 machines to one florist in seven orders 37 to another 3 orders, 30 to another, 24 to another, and scores of orders to others ranging from 5 to 10 machines.

Easily operated, neat, strong and so easy to set up.

Get our estimate on your needs, give us a trial and you will know why we are so popular.

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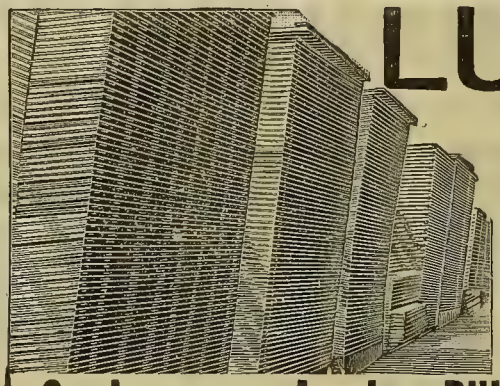

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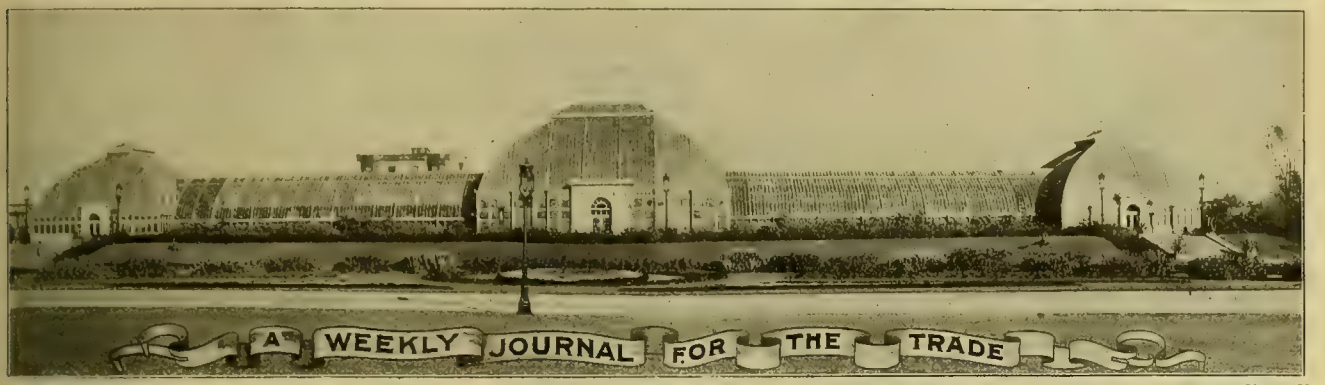
Providence.

STOCK OVERPLENTIFUL.

It is hard to classify an Easter business either as satisfactory or poor; for from one point of view the trade has been excellent, while from another it could be called unsatisfactory. Small flowering plants were badly overdone by the growers and finding no market among the best trade were finally peddled from store to store, at last finding a pitiful resting place in some market, drug store or ill-ventilated department store, to be sold like so many stained ribbons or second quality vegetables. It would seem that the ordinary pots of hyacinths, tulips or daffodils have fallen into disfavor with critical buyers and something must be done to produce a finer affair, or at least a fetching novelty. This year the florists' stores noted a better demand than ever for better grade plants, and the things to go the slowest were the cheapest priced goods. The greenhouse men seemed to have difficulty in disposing of their stock, being obliged to seek an outlet through the department stores, the latter stocking up extra heavily and issuing advertisements calculated to stir up the thrifty bargain-hunter, who straightway forsook his florist friend and made his Easter flower purchases in the land of silks and calicoes. With such broad competition it is no wonder the regular florist tells the story of left over stock among the popular priced goods. The only thing to be really scarce was violets, that sentimental flower whose popularity knows no waning. The quality was fair with wholesale figures of 75 cents per 100, and $1 for best grades. Although not at all lasting in fragrance or keeping, those having them were considered fortunate and every one was cleaned up at satisfactory profit. Roses and carnations were abundant, so much so that the strange scene was enacted of growers politely requesting storemen to buy, and the same storemen holding up their hands as signal of all filled up. Quantities of fine flowers changed hands at $2 and $3 wholesale. Roses sold better than last year, with an especially good call for Liberty and Richmond of medium length. Good stock at $1.50 retail, up to $4 per dozen were the general figures. Cut tulips, daffodils and narcissi found a fair sale at 50 cents to 75 cents per dozen and were of good quality. The Victoria daffodil was the favorite. While the sale of plants was not equal to last year, the receipts on cut flowers equalled 1907, and so we must content ourselves with a verdict of good business, considering the previous industrial depression and the fact that really hard times did not appear as scheduled. The Saturday weather was fair and pleasant till 4 p. m. After that a drizzle set in. M.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXX. CHICAGO AND NEW YORK, MAY 2, 1908. No. 1039

THE AMERICAN FLORIST

TWENTY-THIRD YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—FRANK H. TRAENDLY, New York, Pres.; W. N. RUDD, Morgan Park, Ill., Secy.; H. B. BEATTY, Pittsburg, Pa., Treas. Next meeting at Niagara Falls, N. Y., August, 1908.

THE NATIONAL FLOWER SHOW.

CHICAGO, November 6-15, 1908.

Wm. F. Kasting, Buffalo, N. Y., is chairman of the general committee in charge. Chairmen of sub-committees follow:

EXECUTIVE AND FINANCE—Wm. F. Kasting, Buffalo, N. Y.

AMERICAN EXHIBITS—Ph. Breitmeyer, Detroit.

FOREIGN EXHIBITS—E. G. Hill, Richmond, Ind.

PREMIUM LIST—W. N. Rudd, Morgan Park, Ill.

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LOCAL MANAGEMENT, PRIVILEGES AND CONCESSIONS—J. C. Vaughan, Chicago.

SPECIAL FEATURES—Otto G. Koenig, 6471 Florisant Ave., St. Louis, Mo.

RECEPTION—Aug. Poehlmann, Morton Grove, Ill.

AUDITING—J. A. Valentine, Denver, Colo.

TREASURER—I. C. Bertermann, Indianapolis, Ind.

The above chairmen have power to select their various committees from the general committee of 50 or the members of the S. A. F. at large.

AMERICAN PEONY SOCIETY.

Fourth annual meeting at Ithaca, N. Y., June 1908. C. W. WARD, Queens, N. Y., Pres.; A. H. FEWKES, Newton Highlands, Mass., Sec'y.

Two Thoughts.

When I reflect how small a space I fill
In this great teeming world of labourers,
How little I can do with strongest will,
How marred that little by most hateful blurs—
The fancy overwhelms me, and deters
My soul from putting forth so poor a skill;

Let me be counted with those worshippers
Who lie before God's altar, and are still;—
But then I think (for healthier moments come)
This power of will, this natural force of hand,—
What do they mean, if working be not wise?
Forbear to weigh thy work, O soul! Arise
And join thee to that nobler, sturdier band,
Whose worship is not idle, fruitless, dumb.

—EDWARD CRACROFT LEFROY.

SUGGESTIONS FOR PLANT GROWERS.

Ivy Leaved Geraniums.

As the young plants grow and advance for flower some kind of support will be necessary. The method of tying or supporting will vary considerably with the variety. Some kinds are much stiffer and more erect in growth than others, and a single neat stake and a tie or two keeps all right. Others are of a much more rambling nature and while these kinds are fine for window boxes, baskets or similar uses, they take a good deal more room on the benches while preparing. Now that the plant benches are somewhat less crowded than before Easter, the ivy geraniums may be given a new stand and more room. If there are any still in the cutting flats, pots or bench, pot these without delay and give them a good position or they will not be ready for use either for bedding or window boxes. Pot firmly in all cases to ensure a solid, rather than a rapid growth and water carefully until re-established.

Lilium Auratum and Speciosum.

Although not as popular as formerly for pot plants, Lilium auratum and the different varieties of L. speciosum are very acceptable late in the season and dormant bulbs out of cold storage make it possible to have plants at all times. Potted now singly in 6-inch pots, either of these lilies will make showy plants by August, with very little trouble. All they need is to be kept cool and dark for a week or two, until the bulbs are established, then brought into quite a cool house where they come along slowly. Greenfly is the worst insect enemy and this must be kept down; by sponging at sight if possible, if not by fumigation. A few light fumigations prevent the insects getting a hold and will insure success with the plants. Besides plants for growing on indoors, bulbs potted now make excellent stock for planting out in bedding designs or in shrubbery or general flower borders. L. auratum is especially suitable for this kind of work, as the habit of the plant and the foliage is far more graceful and prettier than that of any of the speciosum varieties. L. auratum is fine in single specimens but L. lancifolium looks better in groups.

Hydrangeas.

The Memorial day plants should be showing color now, and if so they may be kept in a cool, airy house to harden the foliage and bring out the full color of the flowers. Make the best of the plants by staking them out. If this is finished early the plants will grow into shape again by the time they are wanted and will have a natural appearance and not look as though they were tied to the stake. A little extra feeding may be needed by the later plants but it is not advisable to overdo this as it sometimes leads to thin foliage. Keep the plants hard and then, if stock is short, some of the flowerless shoots may be taken for cuttings without in any way injuring the appearance of the specimens. They are so little trouble to grow that everyone who has sufficient room should grow a few; even if imported stock is cheap it will be keeping money at home, where help is plentiful, to have home grown stock. Cuttings of flowerless shoots root readily now and the shoots taken off when cutting back old plants for planting out and growing on another season will make good stock. Forced plants may be cut back fairly hard before planting out, leaving a few sound eyes at the base of each shoot.

Cyclamens.

The old plan of drying off cyclamens on a bare shelf or a sunny frame is seldom practiced now, the more natural method of giving a short rest after flowering but not starving the roots being much better. As soon as the flowers are over stand the plants in a frame or house where they will get plenty of air and can be shaded from the brightest sunlight. Here the growth eases up in a natural and gradual manner and there are no violent alternations of drought and moisture. Naturally it will not be necessary to water them nearly so freely as when the growth was active and the flowers forming, but give enough just to keep the foliage in good condition. We have frequently had plants carry their leaves until August or September until, in short, they fell off as the new ones were produced. Some growers like to plant them out in frames in summer;

others prefer to keep them in pots. Success will be assured either way if they are properly looked after. Our best plants have always been produced by keeping the old specimens in pots until about the end of July when they are turned out and most of the soil removed from the roots. The bulbs are then laid out in a shady moist frame and as soon as signs of new growth can be seen, either at the roots or the top of the bulbs, they are repotted into a smaller size pot and grown on as will be noted in due course. If the planting out system is followed they are shaken out earlier and planted about one foot apart in the frames, the atmosphere kept nicely moist and the plants lightly sprayed twice daily when bright, potting the plants in early autumn into their flowering pots. Young seedling stock must be kept moving in a light, cool shady house not far from the glass. Continue to pot the seedlings as they are ready, but do not disturb them too early or the growth may be checked, and it is an axiom of good cyclamen culture never to let the plants be checked at any stage from the seedleaf to the flower. Keep a close look-out for insects; they attack the lower surface of the leaves in almost every case before the upper.

Tuberous Rooted Begonias.

Where the plants are standing at all close spread them out before they get at all crowded and see that they are not over shaded or exposed to the full force of the May sun. After getting a new stand, farther apart, the plants will be found to dry out much more rapidly than when stood close and frequent damping between the pots will be necessary. Varieties differ considerably in the manner of flowering, some producing their first buds when only an inch or so high, while others do not flower until later. Where it is apparent that the plant will not be of fair size by the time the flowers open it is best to pinch out the first buds that appear and so throw the strength of the plant into the growth which will then be far more vigorous. The habit of the varieties varies too; some of them have to be staked early owing to weakness of the stems while others need no support. Wherever it is seen to be needed let this attention be given early. Small bulbs for bedding purposes will be starting up now and must be kept gently moving so as to be about four inches high by June 1. They must be hardened a little before planting out and exposed as far as possible to sun and air; otherwise the foliage will suffer when planted out and the plants will be checked. Continue to prick off and pot up the seedlings regularly as they need this attention so as to keep them going and see that the atmosphere is kept moist about them. Avoid burying the stems deeply when potting or they are apt to damp, but see that the plants cannot swing when moved or they will fail to take hold properly.

WAVERLY, N. Y.—Plans are under consideration by Arthur L. Merrill, of West Lockhart street, to build greenhouses on his farm to the west of his house. As at present planned the houses will cover over 10,000 square feet. There will be three houses, each 20x145 feet. A number of trees that stood on the ground to be occupied by the houses are being removed and Mr. Merrill expects to begin the erection of the building within a short time.

Alexander J. Guttman, New York.

Alexander J. Guttman, the well known wholesale dealer in cut flowers, will, in a few weeks, remove from his present quarters, 43 West Twenty-eighth street, New York, to 34 West Twenty-eighth street. The new store is nearer to Broadway than any other wholesale store on that street and thus there will be a good chance to catch 'em both coming and going. One reason for his removal is that he has been practically crowded out of his present quarters by his largely increasing business. The new store is about three times as large as the one he now occupies and is undoubtedly one of the finest business locations to be found in or near the wholesale cut flower district.

The store is on the street level, which is an exception among the stores in that

Alex. J. Guttman.

locality. Three years ago Mr. Guttman moved from very contracted quarters on Twenty-ninth street to his present location and it is a striking commentary on his energy and business ability that just at the close of a particularly trying season for the trade he finds it necessary on account of increasing business to seek more commodious quarters. Though but little over 30 years old Mr. Guttman's achievements in horticulture may well be envied by many older men. Being himself a grower as well as a wholesaler, he has retained in a marked degree the respect and esteem of all branches of the trade. In conjunction with Chas. Weber he disseminated the now famous scarlet carnation, Victory, and he also has 35,000 square feet of glass at Summit, N. J. Mr. Guttman is so well known to the members of the craft throughout the country that no extended personal sketch of him is necessary. He is always gentlemanly and genial and by these characteristics has made hosts of friends.

MONONGAHELA, PA.—I. S. Crall has just closed a deal with the Lord & Burnham Co., New York, for a handsome semi-iron framed greenhouse, which has become necessary, owing to the increased trade.

THE CARNATION.

WHITE PERFECTION will be very generally planted again this season.

EVEN without the hall mark of a famous raiser Beacon would have made good.

THE tendency to reversion during the first few years is a factor to be dealt with in trying out new carnations.

ENGLISH growers of the American varieties of carnations believe in not stopping the plants until they have attained considerable height.

IT will be noted that many of the most constant flowered among the market carnations are of long, open habit rather than dense grassy and short jointed.

THE scientific raiser uses sterilized implements to insure immunity from error in crossing carnations but the finder of a chance seedling can often tell its parentage without the shadow of a doubt.

Notes in Season.

An important point in connection with the young stock is to see that on the one hand it is not overburdened with compost yet, if the benches are not ready, it is not allowed to get too hard in the pots. The plants must have the best and most open position with plenty of air moving around them at all times. As the later plants reach a suitable height they must be pinched to induce a requisite number of shoots to break. The exact height depends, partly upon the strength of the plants, partly also on the habit of the variety, some of the longer jointed kinds needing to grow a little higher than the dwarfer, closer habited sorts. As a rule one can see where a plant should be pinched so as to insure the production of about four good shoots and these are sufficient. Pinch when the growth is getting fairly hard; not woody nor yet soft and green, and take the point of the shoot only.

Although there is less risk of careless watering now than earlier in the season yet the best plants are they which are carefully looked after in this way and as a bench of plants seldom dries out equally it is safest to go over the plants with care and water dry places and plants rather than a bench as a whole. "Even them up" is a term too often used in carnation growing, both with young stock and plants on the benches. Neither are ever exactly even and it is never policy to water a bench promiscuously, whether all the plants need it or not. Overwatered plants in pots always take on a patchy appearance whereas, when care is used in watering only such as need it and when they need it, the plants come on evenly and regularly. A new stand occasionally, giving the weaker plants the best positions near the walks and light, is also a help in the same direction. The newly potted, late stock must have due care as regards light shading and keeping a little close until established.

The weather is likely to be a little hard on the older flowering plants on the benches as the sun soon takes out the moisture when combined with the ample air currents set up by free ventilation. They must never be allowed to suffer from want of water or good flowers are out of the question. A certain amount

of feeding too is absolutely necessary to keep the flowers in good shape. Throw out any benches that can be spared and use them to plant up young stock at half distance, to be replanted to the full distance later. Any other plants that are to be kept inside during summer must have a shift into larger pots and kept growing solidly and slowly right along. The bright hot days and cold nights render close attention to ventilation and firing necessary. Nothing is more likely to induce an attack of greenfly than a constantly changing atmosphere and temperature. Should any signs of the insects appear fumigate at once and repeat this until the plants are clean. See that no other plants likely to be carrying insects are anywhere near the benches of young stock or they will soon be overrun. Marguerites are often grown in or near carnation benches and late in the spring these are about the dirtiest plants around and do much mischief in a clean house of carnations.

The preparation of the soil for the field plants should by now be complete and planting may be carried out in good time. The weather has been favorable and, with due care in planting, the young stock should have an excellent start this season. There is no great hurry in localities where frosts at night are likely to be severe, but where the soil is in good working condition and the plants are ready the early part of May is an excellent time for the work. The distance the plants are set out will depend upon circumstances—as to methods of cleaning and cultivating especially—but a good general distance is 18 inches from row to row and one foot between the plants in the row. When ground is scarce this distance can be cut down considerably, but if the room can be spared it will allow of ample room for cultivation and the plants, especially those of strong growing varieties, will be all the better for it. These notes refer to medium and light soils; where the soil is heavy and wet, or has not yet been brought into good working order, wait a little longer until it is. In planting take out only sufficient plants for about an hour's work or in some way arrange that they do not lie about after having been knocked out of the pots.

SCENE IN FRONT OF MILLANG BROS'. STORE, NEW YORK, APRIL 18, 1908.

Carnation Culture.

A paper read by Andrew R. Kennedy, gardener to D. Leslie Ward, at a meeting of the Morris County Gardeners' and Florists' Society, Morristown, N. J.

In the early days of November the start should be made. A pasture or old meadow will furnish the best soil; that is the most fibrous. Cut the turf about three inches thick. If suitable soil cannot be found on the home grounds buy it; for "That is best which lieth nearest" certainly does not apply in this case. When the sod is procured it should be piled in a shed or on some well drained spot, placing the grass side down and using two layers of sod to one layer of fresh cow manure.

CUTTINGS.

There exists a vast difference of opinion as to how many cuttings should be taken from a stem, as well as when, where and how to take them. To give a rule to govern this would be extremely difficult, as different varieties differ widely in habit. As an example, take a shoot of Victory 30 inches long and bearing an opening flower. It will be found to have about 10 joints. In the axils of the first three leaves (beginning at the top) are found flower buds, in the fourth and fifth are shoots borne on a foot stalk and in the remaining five are shoots that can be taken off with a heel and will make excellent material for propagation.

PROPAGATION.

A propagating house is the most practical where a large number of cuttings are to be struck. For private gardeners and small growers, boxes or a front bench in a carnation house will give as good results if bottom heat can be given. Clean, sharp sand should be used which, after watering and pounding down with a brick, should not be more than three inches deep. With a straightedge and a pruning knife open furrows about an inch and one-half apart. Place the cuttings one inch apart and insert about an inch in the sand. Fasten the cuttings by an inward and downward thrust of the index fingers, water thoroughly and give an even temperature of 48° to 50° in the atmosphere and 60° to 65° in the sand. Cuttings rooted in boxes or on a greenhouse bench must be carefully shaded on bright days with paper or cheesecloth, until they have become calloused.

POTTING.

About three weeks after insertion in the sand cuttings should be ready to pot. Don't allow the roots to become more than three-quarters of an inch long before potting. A good, fibrous soil free from manure should be used at the first potting, which will be into 2 or 2½-inch pots. If the soil is heavy a little sand may be used to insure good drainage. After the plants are potted, place them in about the same temperature as when they were rooted, preferably a few degrees higher than lower for the first week or 10 days, when they should be removed to a cool, light house. When the 2-inch pots are nicely filled with roots (not pot bound) shift to 4-inch, using soil from the compost pile that is to be used later in filling the benches. The soil should be thoroughly broken up (not sifted) and a sprinkling of bonemeal added. Pot firmly. Do not let the plants get potbound. Good planting will show the soil about one inch below the top of the bench, so in planting see that the top of the ball is set to that level and draw up the surrounding soil to hold the water at planting time rather than fill over the ball when the bench is finally leveled and trodden down. Shading is not necessary with pot grown plants. When benched an abundance of air night and day, careful watering and light and frequent syringing is all that will be needed to encourage a healthy growth till cutting begins.

STOPPING.

A very important part of the work is stopping the growths to form a bushy plant. About the time the plants get their first shift the majority of them will need stopping. The first stopping should be done either a week before or a week

after the shift. Probably the best time is when the roots strike the side of the pot after the shift. It is done by grasping the stem of the plant with the left hand and bending the top with the right till it snaps out. All shoots must receive like treatment until about August 15. Shoots appearing later than this if allowed to mature will produce flowers at a time when the cooler weather will permit of their perfect development.

TIEING.

With potted plants the first tieing should be done while the plant is in the 4-inch pot. A thick cane stake is the best for this purpose. Cut the stakes 10 or 12 inches long so that when forced to the bottom of the pot there will be room to tie not only the main stem of the plant but also side shoots until they reach the first wire after planting. Wires run the length of the bench and twine tied across them furnish the most satisfactory tie after benching.

FEEDING.

Feeding and cutting should begin at the same time. If the plants have made a good growth the soil in the bench will be partially exhausted and feeding from now on may be done with safety and will give good results. Carnations are not particular about their food but demand it regularly. Unlike the rose the carnation is seldom off crop, hence the necessity of regular feeding. The kind of food must be governed by the kind of soil. First find what your soil lacks and then supply it if possible. As a rule, however, carnations will take kindly to a light dusting of sheep manure once a week during the fall and winter months. A good way to apply this is to water lightly, dust on the manure and then finish watering. As spring advances liquid manure is good.

Disbudding is very necessary work. The plants should be gone over at least once a week. Fumigating once a week from the time the plants are potted is a sure preventive for fly and thrips. New diseases seldom attack carnations, and with old ones, such as rust and stem rot, all are acquainted and fairly well able to combat. Many no doubt prefer the old method of field culture, but the foregoing statements have been gleaned from actual and recent experience in pot culture.

THE FUTURE.

The future of the carnation is very bright. Last year's novelties have all made good and those in sight at present look very promising. In conclusion there is a standard that every grower, whether commercial or private, should strive to reach, namely, that every flower be a perfect flower so that every carnation displayed, whether at show, in store, or as a decoration in a private dwelling, shall be an exhibition in itself of professional work.

WASHINGTON, D. C.—Senator Wetmore would transform the gateway to the national capitol into spreading lawns, fountains, and flowers. He introduced a bill April 18 appropriating $2,500,000 for the purchase of six blocks, a majority of which are occupied by buildings, lying between the capitol and the new Union station. These buildings he would tear down, substituting for them an expanse of lawn, dotted with statues and flower beds. This change, the senator believes, would make the entrance to Washington the most beautiful in the world.

THE ROSE.

A CLEAN start in a clean house is a good start.

WHEN clearing the benches hold out a few of the old plants; they may come in useful for making good on the benches that are cut back later. Plant them up outside in the meantime.

Notes in Season.

The planting season is a busy one for the rose grower and more than is usually thought depends upon the care with which this important detail is carried out. No one likes to see empty benches and as fast as the old plants are dug and the soil cleaned out any necessary repairs should be attended to and the filling proceeded with right away. It pays to have plenty of help to carry out this work as usually the soil comes from the mixers in just the right condition for planting and as soon as a bench is filled this work can be proceeded with. On large plants where an outside staff is kept this filling of benches comes quite in the ordinary course of business, but when there is a small force of workers, and these mostly inside men with their daily routine work to do, the task is harder. But in any case let it be carried out with as little delay as possible and the soil will not then have to be watered before planting.

The same manipulation is needed with the plants. It is decidedly wrong to lay out a lot of plants on the benches to dry up while the planters are getting ready to start. Try and arrange the help so that with two planters and two boys knocking the plants out, to a bench, the remaining help can just about manage to bring the plants to the benches and carry away the pots. A careful man or men should be in the house where the young plants are growing to select them and place them in flats ready for the carriers, and these should have instructions to select the plants as near as possible for size in order to keep the benches regular. Although dull weather would seem to be the best for planting this is not necessarily so. The buoyant atmosphere caused by damping the benches freely after planting and the free spraying of the young plants is very refreshing to the latter after their shift and tends to force root action which soon reestablishes them. Never wait for dull weather then but so treat the plants and soil after planting that the best results are obtained either in dull or fine weather, using less water when dull. One great advantage in dull days for planting is that less damping and spraying is needed in the houses and consequently the help can put in more time at it without interfering with the routine work in other sections.

Both in planting and handling, more care is necessary with grafted than with own root stock, as the scions break out very easily at this stage. Where the plants have been growing close together each one helps to protect its neighbor, but when standing alone the strain all comes upon the joint at the point of union of stock and scion; this strain is increased by spraying so that considerable care, even after planting, is necessary. Firm planting is essential. Too many growers put their plants in loosely with the idea that thereby they make a quicker growth—to give them a good start they say. We could never see the advantage of loose planting. Whatever time is saved at first is lost later in the quality of the growth, while the tramping or ramming down sometimes practiced after the plants are established is decidedly wrong. It injures the young roots in many cases and is far better done at planting time or immediately after. The loose soil renders planting easy, and this is all right but as soon as planted let the soil be thoroughly firmed by ramming and the surface scratched over lightly with the rake before watering.

HOUSE OF HYDRANGEAS AT ESTABLISHMENT OF J. W. DUDLEY & SON, PARKERSBURG, W. VA.

CHRYSANTHEMUMS

NOTHING is gained by trying to force backward chrysanthemums.

A GOOD distance for planting single stemmed plants is 6x10 inches.

THERE is still time to propagate a good stock of single varieties and they will probably be very popular this season.

IT is easier to get the soil too light than too heavy for most varieties. Solid soil means, as a rule, solid, short jointed growth.

IF the young stock is at all drawn plant deeply. This will not hurt the plants but will prevent stem hardening, which will.

REPOT the young stock if the benches are not ready and the plants are likely to get potbound. They start badly when this occurs.

Cultural Notes.

The principal work in connection with the growing of chrysanthemums just now is that of getting the young stock in shape so as to have plenty of good healthy plants on hand at the time they are needed for planting. Cuttings of all the commercial kinds should be put into the propagating beds without delay, particularly the early and midseason varieties. It will take them all of the time between now and the middle of June to make fine 2-inch stock for planting. The later varieties which are to be planted into their permanent quarters July 1-15 can be held a week or 10 days yet. The cuttings require a thoroughly clean, sharp sand, well firmed, and an abundance of water to prevent wilting, especially during continued bright weather.

No artificial heat is necessary for propagation except a very little for drying up the atmosphere on rainy days. The early propagated stock now in 2½-inch pots will require a shift into a larger size pot, using a live, stiff soil with a little bonemeal added to it, using a 5-inch pot full to an ordinary wheelbarrow load of soil. The plants should be potted firmly to insure a sturdy growth after which the main thing for their well being is a cool light house with plenty of ventilation. After potting, extra care is necessary in watering until fresh root action is under way; they will then take considerable water to keep them in good condition. A sharp look-out should be kept to keep down the aphis which appear about now when the young shoots are soft. If it is the intention to grow some short, single-stem, pot plants or dwarf market plants, do not neglect to reserve some healthy stock to provide the cuttings when needed later on.

The compost heap should be attended to if provisions have not already been made. Chrysanthemums are gross feeders but they do not like green fodder, so look out for them a little ahead. A soil pile made up now of the proportions of three parts soil and one part live though well rotted cow manure, to which, if the soil has a tendency to be light in texture, should be added enough clay to stiffen it up will, after being thoroughly incorporated, be in good shape when the time comes for filling benches. The specimen show plants and standards should be growing along freely now. If for any reason stagnation has taken place and the plants are not doing what is expected of them an examination should be given and, if the fault appears to be in the soil, they should be repotted. It sometimes occurs that we strike certain pots that are not porous enough to allow for the plant to do well, no matter what inducements we give them and the only thing to do is to pass such pots up. The plants take lots of pinching back and shaping now to keep them in trim and if they are growing freely they can take considerable water. But let them remain a little dry over night rather than water late in the day. As soon as the standards and half standards have attained the required length of stem, the shaping of the heads should commence and sufficient supports given to guard against their being damaged.

C. W. JOHNSON.

SHOWER BOUQUET OF CATTLEYAS AND LILY OF THE VALLEY.
By the Metairie Ridge Nursery, New Orleans, La.

Notes in Season.

It is not too early to plan for the planting of chrysanthemums; if the room is not at command prepare both the soil and the young plants and plant the early varieties as soon as the room is to spare. Keep the young stock in a good, healthy growing condition, without getting the plants too soft and long. Don't get them stunted by neglect in watering and pot room; keep them moving and also give the plants a new stand once in a while, or they root into the soil they are standing on, which will produce soft growth.

If the pots and room are to spare give them a shift and plenty of room and strong, stocky plants to set out will result. June 1 for early varieties and July 1 for late ones are good times to bench them if the stock is taken such care of and in good shape, but if the

plants have been neglected and are spindly or hardened, get them in a little earlier. It makes little difference when the stock is propagated if the plants are kept in good shape and are soft and growing right along. We have benched plants propagated in December and had fine success with them, but of course, these have to be pinched or cut back. Never plant them if they have the appearance of being stunted or have hardened. Don't plant too many varieties, especially for wholesale trade. It will pay far better to grow one or two benches of one good variety than to grow one bench of 10 or 20 varieties. The wholesaler will appreciate it if there are one or two benches of each, and appreciate a sample. Tell him how many are ready and he can get a much better price for them than for a whole lot of different varieties in little batches. Retailers must have some variety, as customers will want that, but, for the wholesale market, weed the varieties down to five or six good commercial varieties. Get the soil pile ready if not done last fall or early spring. Last year's soil that has been lying outside and got frozen through will do very well to mix with the fresh soil and manure. Either mix it now or when it is taken to the house to fill the benches.

T.

"City Beautiful" at Springfield, Ill.

A paper read by Mrs. E. S. Walker at the Springfield convention of the Illinois State Florists' Association.

The "city beautiful" has become almost a household expression and is no longer considered a dream, a mere fad of the idealist; the interest in many directions is an established fact. The making of a more beautiful city is among the new arts. In the days of our forefathers the question of daily existence made too strenuous a life to give much thought to the artistic adornment of home or country. Now, when our republic takes high rank among the nations of the world, when peace and prosperity abound, the attention of men and women is directed toward the pursuit of this new art, the "city beautiful."

Interest in civic improvement in Springfield was aroused by the meeting of the Civic Association of America, held in Milwaukee October, 1906. No one could fail to be impressed with the deep interest in this work exhibited by members present from Texas to Maine, California to New York, Philadelphia and Boston; men and women of broad intelligence occupying high positions socially, giving of their time and talents in the interest of making greater and grander cities and towns in our own America. One of the results from attending this meeting was the inauguration of a "city beautiful" department in one of the local daily papers under the auspices of the Woman's Club of Springfield. The details covered in this department during the period of its existence were: A cleaner city; the need of a good, pure water supply; the abatement of the smoke nuisance; the abandonment of obnoxious bill boards; a suggestion for securing a system of smaller parks; the cleaning up and cultivation of vacant lots; the care of back yards and alleys; the giving of more space in the erection of all new residences, for light and air; a plea for the elimination of all objectionable matter from the columns of the public press; the planting and care of trees; the duty of citizens in placing our public schools on a higher plane, both as to decoration, art studios and landscape gardening.

Our schools are centers of influence; they should take an active interest in the "city beautiful" movement, indeed they should be the chief civic centers of the community, since a problem is thrust upon us for solution, viz.: the guiding of the future of the republic by the children of our homes as well as those born of parents coming to our shores from every foreign land. The civic committee from the Woman's Club endeavored to interest the children of the public and parochial schools by instilling a desire to contribute to the general attractiveness of their homes and yards. Ten thousand copies of the accompanying circular were distributed to the pupils, 11,000 packages of flower seeds were sold at the nominal price of one cent a package and the prizes mentioned were offered:

Helen—"I guess, Harold, you didn't know that violets are the proper thing for Easter?"
Harold—"Yes, I did, my dear girl, but how can I give you violets on a carnation salary?"
—Daily Newspaper.

SPRINGFIELD BEAUTIFUL.
WILL YOU HELP!!!

The Woman's Club offers the following prizes:

(1) Three dollars for the best flower garden in each school district.

(2) A metal flag to be placed on the southeast corner of the best kept block of each school district—these flags to be placed June 15 and re-awarded in September.

(3) A commemoration tree will be given the school district making the greatest improvement before September.

A flower show will be held in September, prizes to be announced hereafter; a badge button bearing the inscription "Springfield Beautiful, I Have Helped" will be given every child who has done something toward making Springfield beautiful.

Look out for the alley, that will count half!

Don't throw papers on the street!

No private grounds will be entered without invitation.

Show what the children can do!

FLOWER SUGGESTIONS.

Do you want to cover an old fence or shed? Use morning glories, wild cucumber, cypress.

Do you want to raise flowers for cutting? Try nasturtiums, zinnias, asters.

Do you want to have blooming plants in your garden? Try phlox, pansies, coreopsis.

Plant hardy flowers.

In addition to these prizes, the daily newspapers offered cash prizes for the best essays written by the pupils of the sixth, seventh and eighth grades upon "What Children Can Do to Make the City More Beautiful." The mayor issued a proclamation, designating the first week of May as a special time for city house-cleaning. The results of this work were most gratifying. The climax, however, was reached in the great flower show. In this enterprise the Business Men's Association and the florists of our city took charge of the work and made the display a great success. The prizes awarded were trees, roots, bulbs and shrubs. A flower show upon a larger scale is among the anticipated events of the coming season.

Do you florists ever stop to think of the mission of the flowers you send forth, of the brightness, of the good cheer they bring to the home life? Even when they cover the spot where rests all that is mortal of our loved ones, they there speak eloquently of the endless life.

It is a beautiful thought that the sites of old colonial homes in New England, indeed almost the exact line of the old roadways, can be traced by the fragrant, flowering plants which still persistently cling to life when the hands which planted and carefully trained them have been for many long years at rest. In the distant and unknown future perhaps some flower may be culled whose fragrance shall serve to discover in the weedy, grass-grown ways of our lives, that, in some work accomplished, some battle won of right over wrong, we too were counted worthy of remembrance. Any effort toward making the city beautiful can but make more beautiful the lives of its citizens, since

"the soul, the immortal part
The sparkling of divinity within,
According as its aspirations are
For high and holy things, or base or low,
Gives him a nobler or a meaner look.
His outward acts affect his inward thoughts;
For, as a sainted bard hath truly said,
'Even from the body's purity, the mind
Receives a secret, sympathetic aid."

London.

Trade is good at Covent Garden and Easter orders came in freely. Lilium longiflorum at $3-$4.50. Erica Cavendishi at $6-$7.50. Hydrangea. Dr. Hogg at $4.50 and geraniums at 60 cents per dozen were the leaders. In cut flowers, roses and carnations are cheap but lilies, callas and scarlet geraniums are firmer. Spanish irises are worth 35 cents per bunch of 12 flowers.

The meeting of the Royal Horticultural Society, April 14, was a good one and well attended, the narcissus and daffodil committee meeting on this date. Various medals and awards were given for novel and rare forms of narcissi, many of those shown not being yet in commerce. In the general show was a fine exhibit of Formosum lilies and L. longiflorum from W. H. Page backing up his show of carnations of the well known American varieties. This grower has handled about 400,000 of the Formosum lily this year. Roses and ferns were well shown and the usual fine display of florists' flowers from various growers was made.

S.

SOME GOOD WREATHS.
By Henry Morris, Syracuse, N. Y.

THE RETAIL TRADE

THOUGH the older Spirea astilboides is more graceful, S. Gladstone is very full and in most cases sells better.

SOME retailers are buying pot gardenias in bud, using the flowers as they develop in the store window or greenhouse annex, and find this plan very satisfactory.

THE series of dwarf azaleas now becoming popular are free and excellent varieties. They are fine for exhibiting singly and far more useful for made up work than the larger growing varieties.

Diplomatic Collecting Letters.

Retailers not infrequently find it difficult to collect on some entirely reliable accounts within a reasonable time limit. The money must be had and the customer must not be lost to a competitor. Tact and diplomacy must be resorted to and this requires the display of considerable ingenuity. These qualities are possessed in a high degree by one of our Chicago craftsmen. Recently he wrote to several of his slow pay customers the following letter:

Dear Sir:

A recent society note in one of the newspapers told of a woman who was very fastidious and was kneading bread with her gloves on. We are not in exactly the same position but we need the money with our coat and hat on, with our shoes and suspenders on, with our shirt and collar on, and if we don't hear from a few of the old customers pretty soon we will be needing money without a blamed thing on, so kindly send us a remittance to cover all that is due. Thanking you, with best wishes, we are

Yours very truly,
(Signed) ——— ———

The writer of the above assures us that very satisfactory returns were secured from this "dun." One customer paid up a trifling account and wrote: "Herewith a small contribution that may buy at least the suspenders." Another letter, written by the same party, was equally good:

Dear Sir:

In the English language we find three words which have an entirely different meaning and yet all sound the same, viz.: IDOL, IDYL and IDLE. The man who can solve the collection of accounts promptly would be an idol in the business world, would have idyls written him and he certainly would not be idle—we are not idle but we haven't solved this problem. If you have any idle money we can put it to work. If money is your idol we want to worship with you. Some of your idle money would keep us from writing business letters and help us to write idyls about you—our idol is the customer and we hope you will not idle but be up and doing at once with a remittance to cover this idle account.

Yours very truly,
(Signed) ——— ———

A. Lange's Flower Boxes.

A. Lange, of Madison street, Chicago, has been making a specialty of boxes of cut flowers at $1 each and these have been very favorably commented on, not only by the trade, but by private buyers. The box is, of course, an inexpensive one, 30 inches long, five inches wide and three and one-half inches deep. The flowers being used just now are one dozen roses, one dozen carnations, two bunches of sweet peas, two bunches of Narcissus poeticus besides pansies or other small flowers, and some maidenhair fern. We had a view of one of the boxes and the flowers certainly looked very fresh and attractive. No packing is used and the initial cost, Mr. Lange says, ranges generally between 50 cents and 75 cents. These boxes are bound to be good sellers as they give purchasers exceedingly good value for their money, even when flowers are cheap, and a customer once pleased usually returns.

Some Good Wreaths.

The wreaths shown in the accompanying photographs are from a group of unusual wreaths made by Henry Morris, of Syracuse, N. Y., for the funeral of Albert K. Hiscock, son of former United States Senator Frank Hiscock. The unusual feature about all of them is the absence of roses and carnations, the wreaths being made up of ferns, orchids, lily of the valley and violets. The following ferns were used: Pteris Mayi, P. Ouvrardi, P. Cretica alba-lineata, P. Victoriæ, P. Wimsetti multiceps, P. magnifica, P. adiantoides, P. argyrea and Cyrtomium falcatum.

Mr. Morris has established a reputation for designing high class wreaths and he has succeeded in getting up something so different from the usual run of designs that his skill has attracted attention.

A. J. B.

Free Cars—Free Roses.

In the settlement of a seven year street car fight in Cleveland, O., April 28, three cent fare has been established all over the city with universal transfers. The public was granted free car rides all over the city for a period of 24 hours to celebrate the event. In recognition of the jollification The J. M. Gasser Co. sent out a box of roses to all city customers, with a card bearing the legend, "Free car fare: Free roses, with the compliments of your florist."

The Petal Box.

Little boxes filled with the petals of poppies, violets, roses or lavender, which have been dried, spiced, and treated with the oil of the flower from which they came are to oust the vinaigrette and the scent bottle with fashionable women. The petal boxes are supplied in gold, silver or tortoiseshell, and are cunningly fitted into the handle of an umbrella, the stick of a fan, or even on a bracelet.—Gardening World.

Rose Day at Milwaukee, Wis.

April 21 was Rose day at Milwaukee in a double sense. In the first place it was the fifth time in a little more than 10 years that David S. Rose formally took possession of mayor's office, and in honor of the event the city hall was literally transformed into an exhibition hall for roses. James Chacona, the retailer in the Plankinton block, furnished the majority of the pieces and bunches, $900 all told going into the work he had. We reproduce herewith the mammoth horseshoe of American Beauty roses enclosing a picture of the mayor. There were also numerous vases and set pieces for other incoming officials.

Prices for Hiring Plants.

ED. AMERICAN FLORIST:—

What should be charged per day for the hire of plants for parties, balls and other decorations? I am now sending out plants that, with the shipping charges from Chicago, come high, to people who need them at various times. Say a party wants plants that cost $50. How much percentage on the price can I charge per day?

Arizona. H.

We have made a business of renting plants for the last 50 years and have always charged at the rate of $5 per dozen for medium sized plants, say palms and ferns worth $3 to $6 each, for one day's hire. I would say that a fair estimate on the value of the plants to charge would be 10 per cent, so that a dozen plants rented at $5 would be worth approximately $50. Larger plants we charge more for in accordance with their size and value.

LOUIS WITTBOLD.

Easter Trade Reports.

This week we give a further installment of Easter trade reports supplementing those in our last issue. Although quite representative, they indicate little change in conditions to those in our last list:

TORONTO, ONT.—J. H. Dunlop says that the cash value of his sales was slightly less than last year, but from a greater number of orders. The prices were about the same as last year. Plants were rather over-done, especially lilies. There was plenty of cut flowers, with the exception of violets; the local flowers were over and we had to depend on New York stock. Azaleas, rhododendrons and lilacs were the best sellers in plants. Small flowers, such as violets, sweet peas, lily of the valley, Killarney, Richmond and Bride roses sold best. American Beauty roses were also in good demand. Had Easter Saturday been fine, instead of a dark rainy day, trade would have assuredly have been 25 per cent over that of any previous year.

MONCTON, N. B.—Sunnyside Gardens report a 20 per cent increase in cut flower sales and even more in plants. Cut flowers were not equal to the demand. Pot plants cleaned out well. Azaleas, lilies, primulas and bulb stock sold well, but we had some lilacs and snowballs left. Carnations, roses and violets were the leaders in cut flowers. The weather was distinctly cold and plants needed more wrapping than at Christmas.

PHOENIX, ARIZ.—Easter trade was good this year, says Chas. Burroughs, a more general observance of the day than usual being noted. Roses seemed to be the favorite decoration; everybody has roses in their yards—nice tea roses and fine American Beauty. The demand for Easter lilies was good, but the supply was small and the quality bad; callas were good, and all went at better prices than last year.

WICHITA, KANS.—W. H. Culp & Co. report trade and prices about the same as last year. Pot lilies were short, but there was plenty of all other stock. Ferns and palms found little demand, but flowering plants sold well. In cut flowers, tulips were not much wanted, but all other stock moved freely. The weather was perfect and the rain had put the air in fine condition for keeping stock.

FALL RIVER, MASS.—A 20 per cent increase in sales at prices lower than those of last year and plenty of cut flowers and plants, is the report of Chatterton Warburton. Spireas and lilacs were least in demand, but azaleas, rambler roses and all kinds of bulb stock sold well. Neither carnations or roses sold as well as violets, lily of the valley and bulbous stock.

SYRACUSE, N. Y.—L. E. Marquisee reports trade to be about equal to that of last year, but prices slightly lower. All stock was equal to the demand, bulbous stock rather too plentiful. Lilies, hydrangeas, azaleas and primulas sold well, carnations leading in cut flowers. Considering the financial depression, trade was remarkably good.

LANSING, MICH.—J. A. Bissinger reports trade fully as good as last year, with prices more on the principal items of cut flowers. Lilies in pots were the only short item and small flowering plants sold well. There was a great call for violets, but other cut flowers moved slowly. Altogether Easter trade was beyond expectations.

GRAND ISLAND, NEB.—Lilies were the best sellers with E. Williams, who reports trade about as last year. Carnations were the best sellers in cut flowers. Spring business is starting up well and prospects are good.

BOISE, IDAHO.—The Rayhouse Floral Co. reports a 20 per cent increase in sales at prices the same as last year. Lilies were the only short item. Roses and carnations sold well, but bulbous stock was slow.

LOS ANGELES, CALIF.—The Ingleside Floral Co. report sales greater by 10 per cent, with prices the same as last year. All cut flowers sold well and, in pot plants, lily of the valley, ferns, lilacs and spireas were the best sellers.

IOWA CITY, IA.—Jas. Aldous & Son report an increase of about 20 per cent, with prices about the same. There was a good supply in all lines and flowering plants sold well, largely taking the place of cut flowers.

CHEYENNE, WYO.—C. H. Garwood reports a five per cent increase in sales at lower prices than last year and plenty of all kinds of stock. Pot lilies sold better than ever before. In cut flowers, carnations were most in demand.

NORWICH, CONN.—G. Geduldig reports an increase in sales of about 20 per cent. Pot lilies were short, also cut lilies and violets. In plants, geraniums sold well and violets were leaders in cut flowers.

FREDERICTON, N. B.—John Bebbington & Son had a smaller trade by 10 per cent than that of last year. Plants were short, but there were more cut flowers than needed.

BANNERS ELK, N. C.—R. L. Hodges & Co. report trade about as usual. Plants were short and the prices about the same as those of last year.

BARNESVILLE, O.—The Easter trade here was very satisfactory, considering the weather, it raining all day Saturday.

For additional reports see pages 750. 751 and 762.

HORSE SHOE OF AMERICAN BEAUTY ROSES IN A MILWAUKEE STORE.

SOME GOOD WREATHS.

By Henry Morris, Syracuse, N. Y.

The American Rose Society.

It is said that the Chicago show, held in March, brought out the largest single assortment of cut rose specimens ever exhibited in America. The only pity was that so beautiful an exhibition had not a larger public patronage. The setting of all the prizes is now a matter of interest; the total number of prizes awarded is 64, of which 54 are in cash and 10 are cups, medals, bone and books. The trade papers did much for the show by the excellent illustrations which gave an idea to those who could not come of what there was at the Art Institute. The American Rose Society has sent letters of thanks to the Chicago Florists' Club and to the president of the Art Museum for the cordial and courteous attention given to the society.

Five new life members joined the society and this brings the permanent fund now invested up to $3,000. What the society now needs is that every flower grower and landscape gardener in America shall join us. We need the help. The membership now slightly exceeds that of 1907. The Rose Journal is to be started but we want more support to be pledged to make it a success. Come and give assistance you men and women who grow roses. There is to be a June rose show in Bronx Park and all the growers of roses who can are invited to show—there will be medals. The certificates of life membership will shortly be forwarded to all new members. "A Rose for every Home, A Bush for every Garden."

BENJAMIN HAMMOND, Sec'y.

To Be Done Now.

IN THE GREENHOUSES.

Repot any Azalea Indica that needs this attention before much new growth is made.

Keep the atmosphere on the dry side in the house where Chinese primulas are seeding.

Watch bedding plants carefully for water when they are taken from the greenhouses to the frames, as they dry out very rapidly.

Feed pelargoniums liberally right up to the time the flowers open.

Use the shears on any genistas, boronias, azaleas or similar shrubby greenhouse plants and trim them into shape a little before they start their summer's growth.

Take off euphorbia and poinsettia cuttings when small with a small heel of old bark, as such cuttings make good plants.

Use great care in handling grafted stock of roses and do not let them get crowded on the bench before moving them or many will be snapped out.

Continue to propagate verbenas by cuttings. They should be kept cool and allowed plenty of air.

Pot up the runners of Boston ferns regularly and keep them well on the move.

IN THE STORE.

When trade is dull try the effect of something out of the ordinary, such as a fine specimen flowering plant or a large design, as an attraction in the window. Let it be sufficiently distinct.

Red carnations and Pheasants Eye narcissi were the principal flowers in a very attractive wreath recently noted.

Make constant changes in the window decorations. Customers get tired of seeing the same styles, and no matter how good, they fail to pull if frequently repeated.

If your neighbor can afford to buy the best stock and gets customers for it, you can.

Hydrangeas are most satisfactory sellers. They last well and give satisfaction.

Ice in packing boxes is detrimental to some kinds of flowers, according to experienced shippers.

OUTDOORS.

Plant out all seedling hardy herbaceous stock from pots or pans before the plants get hard.

Prince Camille de Rohan is one of the hardiest of the dark red roses and can be recommended for exposed gardens.

Continue to sow hardy annuals at intervals for cutting and for a display in the borders.

A little nitrate of soda is an excellent stiumlant to the grass on the lawn now.

Finish cleaning up the rose borders and, where the soil is very light, apply a mulch of cow manure.

Mignonette may be sown between the roses at the back of the borders and thinned out when strong enough to handle.

Keep the soil from the gravel walks as much as possible. There are always weed seeds in it that give trouble later.

Burn off the fog grass in the orchard. This will clean it up and kills many troublesome insects.

Plant out asters with good balls of roots where possible and look carefully after them until well established.

OBITUARY.

Edwin Hoyt.

Edwin Hoyt, New Canaan, Conn., died April 17, and was buried April 20. Mr. Hoyt was one of the oldest nurserymen in New England and was long head of the well known firm of Stephen Hoyt's Sons Co., which was started in 1849 by deceased's father. His age was 76 and pneumonia was the cause of death after only a few days' illness.

Mr. Hoyt was an energetic business man, farseeing in his policy and ambitious in his schemes so that, under his capable management, the business, to which he was devoted, prospered greatly and came to be one of the finest in New England. He was well known for his unfailing courtesy to other and less successful business men, and just and honorable in all his business relations. He was a member of the state legislature and the State Board of Agriculture and had many other interests outside of his nursery business. His funeral was largely attended by neighbors, friends and business associates and the bearers of the remains were the four brothers Kelly, Edward, his foreman, and Frank, James and Harry, assistant foreman. Mr. Hoyt is survived by a widow, three daughters and a son and his brother James. The business of the firm will be continued.

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THE presence of the fleet off Los Angeles, Calif., is said to have led to considerable falling off in sales, there and in other centers, at Easter.

INVITATIONS to attend the first National Flower Show of the Society of American Florists, and exhibit, are being mailed to prominent florists and horticulturists throughout the horticultural world.

ADVICES from Alabama, Georgia and Louisiana indicate that the disastrous tornado of April 25 did slight damage to greenhouses, there being but little, if any, such property in the track of the storm.

A MILWAUKEE paper prints a cut of an Easter lily with single stem bearing 72 flowers.

IT is reported that E. G. Hill will officiate as judge at an important French rose show this season. This will afford him an exceptional opportunity to exploit our National Flower Show, as chairman of the foreign exhibits sub-committee.

WE are in receipt of the proceedings of the sixth annual meeting of the Chrysanthemum Society of America, held at the American Institute, New York, November 6, 1907. In addition to the proceedings the pamphlet contains a descriptive list of the varieties disseminated in 1907.

THE sweet scented dahlia to which reference was made in our issue of April 18, page 615, is now said to be Dahlia coronata offered for distribution in May by Georges Bruant, Poitiers, Vienne, France, by a correspondent of the Gardeners' Chronicle, from which journal our first mention of the plant was taken.

THERE will be an international exhibition of the East of France May to October, 1909, at which horticulture will be fully represented. Those who desire to make permanent exhibits should make application before July 1, 1908, to the Director General of the International Exhibition of the East of France, Nancy, France, who will supply particulars.

THE annual meeting of the Horticultural Society of New York will be held at the Museum building at the New York Botanical Garden, May 13, at 4 p. m. A vote will be taken on proposed amendments to the constitution which are submitted on the recommendation of the council in accordance with Article 12 and particulars can be obtained of Leonard Barron, secretary, 55 Liberty street. The programme for the meeting and annual exhibition, May 13-14, is also published and contains a list of premiums offered by the society and the managers of the New York Botanical Garden. Medals have been placed at the disposal of the council by the orchid committee to be awarded at its discretion and a lecture will be given by Dr. B. T. Galloway on "The Foundation of Successful Violet Culture."

Society of American Florists.

REGISTRATION OF SWEET PEAS.

The names of the following winter flowering sweet peas are submitted for registration by Anton C. Zvolanek, Boundbrook, N. J. Any person objecting to these registrations or knowing of any reasons why they should not be made, are requested to communicate with the undersigned at once. Failing to receive any such communications within 20 days from this date, the registrations will be completed:

Greenbrook, seedling from Mrs. Geo. Lewis x unnamed seedling, height over six feet, flower white, standard slightly lilac, very large, orchid flowering, up to four flowers to a stem, stems average 18 inches.

Blue Bird, seedling from Walter Wright x Wallace, height over six feet, flowers blue, bearing up to four flowers on 20-inch stems, standards wavy.

Governor John Franklin Ford, seedling of Mrs. Wm. Sim x Spencer seedling, height over six feet, foliage narrow, flowers pink, when fully open changing to salmon pink, standard wavy, producing up to four flowers on 20-inch stems.

NOTICE OF WITHDRAWAL OF REGISTRY.

Learning that the name Mavourneen had previously been applied to a rose, Alexander Montgomery of Natick, Mass., withdraws the name Mavourneen and desires that the name White Killarney shall stand as previously registered.

W. N. RUDD, Sec'y.

Azalea Deutsche Perle.

ED. AMERICAN FLORIST:—

I am credibly informed by many plant growers that Azalea Deutsche Perle cannot be imported in satisfactory condition, and that good importers and growers are giving up the use of this formerly favorite variety. Would like to hear from other of your readers in regard to it. PLANTSMAN.

We can only state that Deutsche Perle azaleas always arrive with us in good condition, and we cannot complain about this plant any more than any other variety. As to their flowering this season, all azaleas suffered more or less by the general wet season in Europe, and so the Deutsche Perle will be no exception.

JULIUS ROEHRS CO.

We are very successful in some seasons in importing Azalea Deutsche Perle. Again in other years, as for instance last fall, the loss is very serious. It is a variety that we shall be glad to see replaced with a better white, for which there is a great opening.

J. D. EISELE.

In regard to the Azalea Deutsche Perle, would say we think very little of this variety.

BOBBINK & ATKINS.

Meetings Next Week.

Butte, Mont., May 8.—Montana Florists' Club, Columbia gardens.

Chicago, May 7, 8 p. m.—Chicago Florists' Club, Union restaurant, 111 Randolph street.

Cincinnati, O., May 9, 8 p. m.—Cincinnati Florists' Society, Jabez Elliott Flower Market.

Des Moines, Ia., May 5, 8 p. m.—Des Moines Florists' Club, Iowa Seed Co.'s store.

Detroit, Mich., May 6, 8 p. m.—Detroit Florists' Club, 38 Broadway.

Grand Rapids, Mich., May 4, 8 p. m.—Grand Rapids Florists' and Gardeners' Club, Board of Trade rooms, Pearl street.

Hamilton, Ont., May 5, 8 p. m.—Hamilton Gardeners' and Florists' Club, office of member.

Hartford, Conn., May 8, 8 p. m.—The Connecticut Horticultural Society.

Indianapolis, Ind., May 5, 7:30 p. m.—State Florists' Association of Indiana, State house.

Louisville, Ky., May 5, 8 p. m.—The Kentucky Society of Florists.

Milwaukee, Wis., May 7, 8 p. m.—Milwaukee Florists' Club, Quiet House, corner Broadway and Mason streets.

Montreal, Que., May 4.—Montreal Gardeners' and Florists' Club, Alexandria rooms, 404 St. Catherine street, West.

New Orleans, La., May 6, 8 p. m.—German Gardeners' Club, 624 Common street.

Newport, R. I., May 6.—Newport Horticultural Society.

Philadelphia, Pa., May 5, 8 p. m.—Florists' Club of Philadelphia, Horticultural Hall, Broad street above Spruce.

Pittsburg, Pa., May 6, 8 p. m.—Pittsburg and Allegheny Gardeners' and Florists' Club, 422 Sixth avenue.

Salt Lake City, Utah, May 6.—Salt Lake Florists' Club, Huddart Floral Co., 114 East Second South street.

Seattle, Wash., May 6.—Seattle Florists' Association, chamber of commerce, Second avenue and Columbia street.

Utica, N. Y., May 7, 8 p. m.—Utica Florists' Club, Hotel Martin.

Washington, D. C., May 6, 8 p. m.—Florists' Club of Washington, 1214 F street, N. W.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Every paid subscriber to the AMERICAN FLORIST for the year 1908 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—As head gardener in private place, age 33; first-class English training.
F. CHAPMAN, care P. Bradley,
Vineyard Haven, Mass.

Situation Wanted—By experienced lady clerk versed in decorations and flower work. Speaks German and Bohemian. Address
R. KOLAR, 5000 Ada St., Chicago.

Situation Wanted—By all-around florist; 22 years' experience in all branches; married, German; commercial or private place; best of references. Key 523, care American Florist.

Situation Wanted—By a young man 20 years of age, 4 years' experience carnations and bedding plants; should like to take charge of small place; state wages. Address
Key 519, care American Florist.

Situation Wanted—By a single man 32 years old; 15 years' experience in the general line, as bedding plants, carnations; capable to take charge of small place; state wages. Address
Key 520, care American Florist.

Situation Wanted—By German, single; 14 years' experience in greenhouse culture of palms, cyclamens, roses, carnations and general stock. Wants position on private or commercial place.
FRITZ BECKER, 291 Richmond Road
Stapleton, L. I., N. Y.

Situation Wanted—As working foreman as grower of roses, carnations, 'mums, violets, bulbs and general stock; has a thorough knowledge of the business in all branches; has 40 years' experience in England and America; age 54, single.
GEO. MORRIS, Hudson, N. Y.

Situation Wanted—By good all around florist, single, A No. 1 cut flower grower, life experience, good worker and manager, can handle help to advantage, competent to take charge of up-to-date retail place; state wages, etc. Address
FLORIST, care of No. 236 S. Illinois St.,
Indianapolis, Ind.

Help Wanted—A man to work in rose sections; state wages without board. Apply
COLE BROS., Peoria, Ill.

Help Wanted—Grower of perennial plants for Illinois firm; young man, but must be practical grower and know the stock. Address
Key X Y Z, care American Florist.

Help Wanted—A good steady single man as rose and carnation grower on retail place near Chicago. State wages wanted with board and room. Key 518, care American Florist.

Help Wanted—A first-class rose grower to take entire charge of rose department in large greenhouse plant; must be a man who thoroughly understands his business; references required.
Key 522, care American Florist.

Help Wanted—Reliable florist with 20,000 carnations, good varieties, little cash and capable of erecting greenhouses—material now at greenhouses, near Chicago, can become part owner of established modern greenhouse business.
C. F. MORRIS, 420 Ashland Blk., Chicago.

Help Wanted—A competent rose grower to take charge of 50,000 feet of modern glass; must be steady, sober, industrious and capable of handling men; state experience, age, nationality, married or single, and send references with first letter; only first-class man wishing to better his position need apply; we expect to pay good wages; position open at once.
STUPPY FLORAL CO., St. Joseph, Mo.

For Sale—An elegant 8-foot florist's refrigerator, good as new; will sacrifice if sold soon.
E. J. PERRY, Greensburg, Pa.

For Sale—27,000 feet of glass filled with first-class stock; located in one of Chicago's suburbs; low price. Address FLORIST,
4016 N. Clark St., Chicago.

For Sale—At Madison N. J. Greenhouses 1500 running feet in all; barn, dwelling, all improvements; also 6 acres of land; ¾ of mile from depot.
Key 510, care American Florist.

For Sale—Greenhouse establishment, built five years; 85,000 feet of glass, 15 acres of land; 100 miles from Chicago; within easy shipping distance of St. Louis and Chicago. Address
J. B. DEAMUD CO., 51 Wabash Ave., Chicago.

For Sale—A retail florist business, 5 greenhouses, about 5000 feet of glass, store barn, 8 room house, lot 100 feet front, over 200 feet deep, located in fine neighborhood; a good opportunity for two young men who understand the business, with small capital to start; good reason for selling; party must have $5,000, balance to suit purchaser.
G. F. THRUN, 8707 Cedar Ave., Cleveland, O.

For Sale—At sacrifice, good paying retail florist's business, consisting of two lots, 4 500 ft. of glass; houses well stocked with bedding plants and carnations; store with living rooms and 7-ft. basement, in very heart of thriving residence city of 10,000 inhabitants; 45 miles from Chicago. Give immediate possession. Price, $4,500; $2,000 cash and balance on time to suit purchaser.
Key 525, care American Florist.

For Sale—5 greenhouses, about 20,000 feet of glass, well stocked; 4 acres best kind of soil; 5-room and attic house; good well and windmill; barn, horse, wagon, tools and stock; everything goes with the plant; good trade, can sell all the stock you can grow; located near city of about 400,000 inhabitants, accessible to steam and electric lines. WISCONSIN NATIONAL LOAN AND BUILDING ASSOCIATION, Room 22, Mitchell bldg., East Water and Michigan Sts., Milwaukee, Wis.

For Sale—At a sacrifice; a model floral establishment in the city of Youngstown, Ohio. This is the oldest floral establishment in the city, and has a trade that is desirable in every way. In order to close out an estate, this establishment will be sold at a price that will be an inducement. This is an excellent opening for some one desirous of engaging in the floral business. For further particulars call on or address, C. EDWIN OYSTER, Receiver,
507-508 Dollar Bank Bldg., Youngstown, O.

For Sale—One of the largest and best known mail order seed, bulb, plant and nursery establishments in the United States. This business was established in 1860, and is known by all seed people the country over, and many abroad, and has an enviable reputation for quality in seeds, plants, etc. This is an excellent opportunity for an individual or corporation desirous of entering into this line of business which is a very profitable one to engage in. To an ambitious young man, or several of them associated together, it offers a rare opportunity to step into and take up the management of a business that is so thoroughly established and as well known as this one is. In order to close out an estate, the entire establishment, including 52 acres of testing gardens, office buildings, greenhouses containing 45,000 feet of glass, barns, seven dwellings, a complete and up-to-date printing establishment, in which is turned out all printed matter used, including catalogs; horses, wagons, and entire equipment necessary to carry on this business successfully, will be sold at a sacrifice. Any one interested can have full particulars by addressing or calling upon the undersigned. C. EDWIN OYSTER, Receiver,
507-508 Dollar Bank Bldg., Youngstown, O.

For Sale—Greenhouse conducted for the wholesale market to be had; $12,000 on time; sold at a bargain for cash. Address
Box 775 Milwaukee, Wis.

For Sale—Greenhouses in good condition; 10,000 ft of glass, also double house, all modern, good location, 210-ft. front; or will sell greenhouses alone. HENRY EICHOFF, 2863 E. 75 St.,
Cleveland, Ohio.

For Sale—Greenhouses and stock; about 20,000 feet of glass, well stocked with all kinds of bedding plants, ferns, palms and cut flowers; for terms inquire of Mrs. Hugo Book, College street, Worcester, Mass., or L. Midgley, Worcester Conservatories, Worcester, Mass.

SITUATION WANTED.

As foreman of large commercial or private place, wholesale or retail; life experience; German, married; fine references.
H. L. LAUSCHER, Abingdon, Va.

MANAGER FOREMAN.

To take entire charge of our plant. Must be strictly sober, reliable and capable of conducting a large place successfully and be endorsed by former business associates; and must be able to take up about $5000, worth of stock to have a working interest in the firm.

L. F. DARNELL, Treas., The J. M. Gasser Co.
1035 Prospect Ave., Cleveland, O.

Rose Grower Wanted.

With not less than 10 years' experience and best references; good pay; state salary. Address

Key 521, care American Florist.

Gardener Wanted.

We can give a young man a position in a public institution as gardener and florist at a salary of $37.50 to $50.00 per month, room and board, with an opportunity for advancement. Send full particulars of former or present employment with references to **Key 515, care American Florist.**

Nursery Opportunity.

A nurseryman's business in the West having rather outgrown the strength of the founder, who has made a splendid start with a fine constituency; wishes to secure a young man to take an interest in the business. Address

Key 524, care American Florist.

Trade Directory for 1908

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1908, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 509 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

American Florist Company

324 Dearborn Street, CHICAGO, ILL., U. S. A.

Contains 509 Pages **NOW READY.** **Price $3.00 Postpaid**

YELLOW CHRYSANTHEMUMS

Novelty of the Season. Per 100, $3.00.

For Spring Weddings. Better prepared than ever with Roses, Carnations, Lily of the Valley, Sweet Peas, Daisies, etc., all in large supply. Fine line of Baskets, Ribbons, Chiffons, etc.

A. L. RANDALL CO., Wholesale Florists, L. D. Phone Canal 1496, Private Exchange all Departments, **Chicago**

HENRY M. ROBINSON & CO., Wholesale Commission Florists.

Hardy Cut Evergreens and Florists' Supplies

BRONZE GALAX, best quality...$8 50 per case, 10,000 **GREEN GALAX,** best quality...$7.50 per case, 10,000
DAGGER AND FANCY FERNS.....$1.50 per 1,000

Laurel Festooning, Boxwood, Southern Wild Smilax, Sphagnum and Green Moss, Leucothoe Sprays, etc.

15 Providence St. and 9 Chapman Place, BOSTON, MASS.

Sweet Pea Streak.

Fortunately for me I am practically unacquainted with what is termed streak in sweet peas. That there is something attacking plants in various directions, and under different conditions, is apparent by the alarmed statements that reach one from time to time. Perhaps it is only natural to suppose that something would come along in eerie form, appearing only to a chosen few before showing itself all round. A peculiar class of plants are these leguminosæ; it matters not whether they are annuals, herbaceous or shrubby, or perennials; they are all endowed with what are termed root nodules. Yet in spite of their individuality as regards free nitrogen it cannot be said that any one of them is an unconcerned agent when cultural methods are applied.

In restricted areas, where it is almost necessary to grow plants of this order repeatedly, whatever the annual treatment may be as regards manures, we should in time expect to be troubled with either fungoid or insect pests of sorts, more especially if preventive measures of some kind were not adopted. If we study the career of many of our popular garden plants we find that there have been times when their strength has been sorely tried, and we cannot expect the sweet pea to escape visitations from disease, more especially with overcrowding, and over-manuring with both organic and inorganic foods. If we require the finest products for exhibition purposes, animal or vegetable, these are treated out of their natural course to achieve some end, but such things at the end of their treatment lack stamina, they are constitutionally weaker, and in a sense, out of training—cannot stand sudden climatic changes without serious checks because of their succulent nature.

So far as we have heard, what is known as streak has only occurred with amateurs, but under what cultural or climatic conditions the plants have been grown we are not able to state. In cases where peas have gone off in the mysterious manner described by some growers, we should think it folly to attempt to grow in the same ground for some time unless unusually stringent measures were taken in every possible direction, and consider it the height of folly to use old sticks, wires, or other supports unless disinfected with a powerful insecticide strong enough to kill latent spores that may remain from the previous year, and in bad cases we should advise applying gas lime to the soil. The elaborate preparations advised by many growers for these plants, if carried out, need plenty of lime or chalk to keep the soil in a basic condition, and this is especially the case where acid manures like superphosphate of lime are given, and also when much ammonia sulphate is used.

The symptoms, so far as an outsider is able to judge, would appear to favor the opinion that eelworm is the cause of the mischief, and if such is the case it should be easy to diagnose. Striped flowers are plentiful enough during wet, cold seasons without stem disease, it is this latter we should like to be assisted in by having specimens sent for inspection. Suggestions have been made for cultural directions to be given in a definite form by the National Sweet Pea Society, even then we think each cultivator would pursue his own course, certainly no one course could be stated as being applicable to every grower.—Charles Foster in Gardeners' Magazine.

Fancy and Dagger FERNS $1.75 per 1000

Discount on large orders.

New Crop Galax, Bronze or Green, $1.25 per 1000; 10,000, $7.50. **Wild Smilax,** 50-lb. case, $6.00.
Sphagnum Moss, large bales.....$1.25
Leucothoe Sprays.....$1.00 per 100; 1000, 7.50
Boxwood.....35c per bunch; 50 lbs.. 7.50

Florists in the Middle and Western States can save money by placing their fern orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,
WHOLESALE COMMISSION FLORISTS,
38-40 Broadway, All Phone Connections. **DETROIT, MICH.**

THE KERVAN COMPANY,
113 West 28th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe, Ferns, Mosses and all Decorative Evergreens.

George Cotsonas & Co.
Wholesale and Retail Dealers in all kinds of
Evergreens.
Fancy and Dagger Ferns, Bronze and Green Galax,
Phone 1202 Mad. Sq.
Main Store, 50 W. 28th St., NEW YORK.

E. A. BEAVEN
Southern Wild Smilax,
Log Mosses,
Natural and Perpetuated—at Wholesale,
EVERGREEN, ALABAMA.

JOHN P. SCHERER,
Telephone 328 L Union.
636 Gardener St., UNION HILL, N. J.
SMILAX, FERNS, PALM LEAVES and all kinds of GREEN GOODS.

English Carnation Boom.

"Anything like the present demand for carnations has never been known. They're wanted for funerals, they're wanted for weddings, they're wanted for decoration, they're wanted for buttonholes, all the year round." Such is the opinion of one of the biggest growers of carnations in England, expressed recently at the show of winter carnations at the Horticultural Hall, Westminster.

The reason for the "boom" was apparent enough at the show, which is in its fourth year. The tree carnation, evolved by the Americans and the French, can now be flowered all the year round, while the two other great classes of carnation—the Malmaison and the border carnation—bloom only once.

The gold medal went once again to Messrs. Hugh Low. The new flowers developed this year were a good four inches across, and of the purest colors—Aristocrat, cerise; Winsor, pure pink; Perfection, white; and Beacon, scarlet. A hunt for the green carnation—though a green tulip is now grown—was in vain, and modern taste is said to be wholly in favor of pure colors. The freak is out of fashion.

The Malmaisons were of almost every shade, and of bigger flowers than the trees; but the trees, which flower freely from January to January, show the most wonderful results of scientific cultivation and hybridization. As indication of the zeal for the flower, a lecture on the future of the carnation—described as illimitable—was listened to by a large audience, and a number of people were waiting at the door of the hall half an hour before the show opened.—London Daily Mail.

Every Day Is Bargain Day

AT

BASSETT & WASHBURN'S,

ON BEAUTIES, ROSES, CARNATIONS.

Our **Roses** are all from **grafted** stock—planted in solid benches. These produce much better flowers in warm weather as the roots have more soil to work on and don't dry out.

Our Immense Crop of Carnations

Is still on with prices down to $2.00 to $3.00 per hundred.

Bassett & Washburn,

GREENHOUSES, HINSDALE, ILL.

Store, 76 Wabash Ave., CHICAGO.

ONE DOZEN GARDENIAS ONE WEEK FROM CUTTING.

GARDENIAS

(GRANDIFLORA CAPE JESSAMINE BUDS.)

Ready, as previously predicted, May 5th. Season continues to June 5th.

In some previous years our advertising has reflected a feeling of uncertainty in promising Decoration Day Stock. This spring we are absolutely certain that the heaviest day's output will come in time to use all of it for this purpose, as we think the cut from May 21 to 26th inclusive will be at least eighty thousand daily. By the 20th we shall undoubtedly be booked up for the dates mentioned, consequently late wires would be effective only from points we can reach in 60 hours.

We strongly urge Florists and especially our old customers to try placing a standing order for weekly shipments. Those who **have** tried it continue it from year to year. We have one customer on our list who has given us a standing order for fourteen years for 1000 buds to be shipped twice a week for the season and two others of 500 each twice a week for the same length of time.

We don't want you to overstock. Small standing orders are just as much appreciated as large ones.

Quotations following are net f. o. b. here.

Standard Stem, extra good foliage, first quality buds, per 1000.....**$7.50**
500 at thousand rate.
Or orders of 3000 or more, per 1000.....**$6.50**
Less than 500 buds, per 100,..... **.85**

C. W. BENSON & CO., Alvin, Texas.

Chicago.

A LARGE SUPPLY AND SMALL DEMAND.

The market has been decidedly quiet since Easter. The shipping trade has been more active than the local, but at that there has been little to brag of. As a matter of fact the soft weather produced an enormous quantity of only fair to medium grade stock, and material for shipping to any distance has had to be carefully selected. On the other hand, the local market, for the purpose of quick sales, has any quantity of stock and it could be secured at practically the buyer's own price. There has been no very great supply of American Beauty roses, but the demand has been very light, although some fairly large lots have been moved off at very moderate prices. The majority of tea roses have been soft, very few having been of shipping quality. It has been with considerable difficulty that most of them have been moved. The same conditions existed as regards carnations, these having brought very low prices in the past 10 days. New York double violets are about done for, growers hardly realizing express charges on some lots. There have been quantities of sweet peas, with the exception of lavender, the quality being fair and the demand about normal. Peonies, yellow chrysanthemums, gladioli and irises are now seen. Lilies have been hard to move, any quantity of them being unloaded on the market. Other bulbous flowers also move slowly.

NOTES.

A great transformation is fast taking place at Frank Oechslin's. To see the benches lately given over to lilies and various kinds of Easter stock all neatly filled with bedding stock coming along in fine shape and much of it already in bloom one would not suppose Easter had occurred so lately. In the potting shed most of the potted plants have been shifted to larger pots, and now younger stock is being brought in from the frames and potted up. Much delay is usually occasioned at this stage by not receiving pots in time, but here a good supply was laid in some time ago.

The Kennicott Bros. Co. is receiving early red peonies and expect to be receiving all colors within about 10 days. E. E. Pieser says he cannot remember having seen such a market as that at present in his entire experience. He declares there is fully twice the stock handled this year as compared with a year ago, but that prices are more utterly demoralized than ever before.

At J. A. Budlong's fine blooms are being cut from American Beauty plants grown especially for summer flowering. These plants have undergone a resting period with a view to obtaining stock superior to that winter flowering plants are apt to produce at this season of the year.

The orchids now being sent to the principal retail florists from Geo. Reinberg's range are grand flowers. The Cattleya Mossiæ are exceptionally good, large wide petaled flowers of great substance that last for 10 days or more and fine in color.

L. Baumann & Co.'s new building at 118 E. Chicago avenue now has a roof on and is about ready for the interior work. Ruscus and moss wreaths are a specialty here that are much in demand at the present time.

Chas. McKellar says that the after-Easter weddings are causing some demand for orchids, Cattleya Mossiæ and Dendrobium Wardianum and D. nobile being the principal dependence of the market in this line.

Sinner Bros. have made an early start having planted their carnations in the field and being now at work throwing out their old rose plants and planting young stock in their place.

The Kroeschell Bros. Co. has 40 greenhouse boilers of various sizes completed in the shop and ready for delivery to customers who ordered early.

The Florists' Club will hold its regular meeting next week, Thursday, at the Union restaurant, 111 Randolph street.

O. C. Simmons has recently been in consultation with Milwaukee committees regarding their "City Beautiful" ideas.

Gladioli and pink and red peonies are being received in good quantities by the J. B. Deamud Co.

A. L. Randall and wife and daughter are spending the week at St. Joseph, Mich.

E. C. Amling says the demand for sweet peas is still good.

Visitors: W. A. Hartman, South Haven, Mich.; Mrs. Vesey, Fort Wayne, Ind.; Miss Letta Baker, Ottumwa, Ia.; Geo. Vatter, Marinette, Wis.; J. R. Bather, Clinton, Ia.

St. Louis.

WABBLING MARKET.

The week after Easter has been a very poor one. The most disagreeable weather, raining and cold, has put a damper on everything, and wholesalers and retailers suffer accordingly. The wholesalers, one and all, are stocked up with everything, and carnations and roses can be bought at one's own price. There is no market and no quotations; everything is at a standstill. It is hoped that, with better weather, this week will improve. All around us have been wind storms and it is feared that probably damage has been done.

NOTES.

Wm. F. Nichol, president of the St. Louis Seed Co., distributed, free of charge, last Thursday, 60,000 packages of seeds, five or six varieties to the package, to the school children of the city. Each package would have cost 40 cents if purchased.

A telephone talk with Dr. Halsted, of the St. Clair Floral Co., at Belleville, Ill., brought out the fact that but slight damage was done to the greenhouses in the vicinity. The doctor stated Easter trade was the best in years.

Prof. Wm. Trelease will give a lecture on May 12 at the North St. Louis Turner Hall. The lecture will be given with stereopticon views, showing the beautifying of homes and yards with plants and flowers.

Harry Rieman, who was arrested for passing worthless checks, got off with a workhouse sentence. It is hoped that when he gets out he will turn over a new leaf and receive a helping hand.

Young & Sons are bringing in to the Olive street store some extra fine geraniums and a fine crop of roses in pots; also some very beautiful Crimson Ramblers.

Alex. Siegel had the decorations at the Columbian club for the banquet given for the birthday anniversary of Wm. Stox, the dry goods merchant.

Cape jessamine from the south has arrived and a full crop is expected by the first week in May.

The Chicago Carnation Co. is sending some fine carnations to this market.

W. F.

LYONS, IA.—G. L. Nielsen reports an unusually large trade in Easter lilies this year. Everything sold well.

CALGARY, ALBERTA.—Ald. Terrill has purchased from Col. Walker 3½ acres to be used for a big wholesale and retail greenhouse or greenhouses. Though the price is not stated it is understood that it is in the neighborhood of $10,000 as the property is valued at around $3,000 an acre in the neighborhood.

WIETOR BROS.
Wholesale Growers of Cut Flowers
All telegraph and telephone orders given prompt attention.
51 Wabash Ave., CHICAGO.

Kennicott Brothers Company,
WHOLESALE
CUT FLOWERS.
48-50 Wabash Ave.,
CHICAGO.

Red Peonies Now
All Colors in 10 Days
Price
5 Cents.

We will have anything in the line of
Cut Flowers and Greens
that you may want if anybody has at Chicago market prices on day of shipment.

KENNICOTT BROS. CO.
L. D. PHONE, CENTRAL 466.
48-50 Wabash Ave., CHICAGO.

"THE BUSIEST HOUSE IN CHICAGO."

J. B. DEAMUD CO.

Fancy Gladiolus and Peonies.

Also a full line of everything in Cut Flowers. GIVE US A CALL.

Long Distance Phone Central 3155.

51 Wabash Ave., Chicago.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO

Telephone, Central 3284.

Vaughan & Sperry,

Wholesale Florists,

58 and 60 Wabash Ave., CHICAGO.

WRITE FOR SPECIAL PRICES.

Poehlmann Bros. Co.

Wholesale Growers of

and Dealers in **Cut Flowers**

All telegraph and telephone orders gvien prompt attention.

Greenhouses: MORTON GROVE, ILL.

35-37 Randolph St., CHICAGO.

Roses, Lilies, Violets, Carnations and other **CUT FLOWERS of best quality**

E. H. HUNT

SEND FOR PRICE LIST.

76 Wabash Avenue, CHICAGO.

Florists' Supplies AND **Novelties.**

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of **CUT FLOWERS**

DAILY SHIPMENTS OF

Cut Flowers

From 40 to 60 Growers.

"Greens" Our Specialty.

E. F. Winterson Co.,

45-47-49 Wabash Avenue. CHICAGO.

E. C. AMLING

THE LARGEST, BEST EQUIPPED, MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.

32, 34, 36 Randolph Street, CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, April 29.

Rose, Beauty, extra fancy		4 00
" " 24 to 30-in. stems		3 00
" " 12 to 20-in. stems.	1 50@	2 00
" " Short stems		1 00
" Killarney	6 00@	12 00
" Bride, Maid, Ivory Gate	4 00@	8 00
" Liberty, Richmond	4 00@	8 00
" Chatenay, Perle	4 00@	8 00
Carnations	1 50@	3 00
Violets	40@	50
Lilium Harrisii, per doz.,	1 00@	1 25
Callas, per doz.,	1 00@	1 25
Lily of the valley	2 00@	4 00
Gladiolus, per doz.,	1 50@	2 00
Peonies, per doz.,	50@	75
Snapdragon, per doz.,	50@	75
Sweet Peas	50@	2 00
Pansies	75@	1 50
Daffodils	2 00@	3 00
Tulips	2 00@	3 00
Iris, blue		5 00
" white & yellow		3 00
Daisies	75@	1 00
Smilax, per doz.		2 00
Asp. Plu. & Sprengeri, bunch		50
Asparagus strings, each		50
Adiantum, per 100	75@	1 00
Leucothoe sprays	60@	75
Ferns, per 1000		2 50
Galax, green, per 1000		1 00
bronze, per 1000		1 00
Boxwood, per bunch		35

Chas. W. McKellar

51 Wabash Ave. CHICAGO.

ORCHIDS

A Specialty

Fancy Stock in VIOLETS VALLEY, ROSES, BEAUTIES, CARNATIONS and a full line of all Cut-Flowers, Greens, Wire-Work and FLORISTS' SUPPLIES.

Send for Complete Catalogue.

WEILAND & RISCH

Wholesale Growers and Shippers of

CUT FLOWERS

59 Wabash Ave., CHICAGO.

'Phone Central 879.

Write for our wholesale price list.

WHOLESALE FLORISTS

Always mention The American Florist when you order stock.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

PRICE LIST.

RED

American Beauty, long stems,.... $ 4.00 per doz.
30-inch stems..... 3.00 per doz.
24-inch stems.. ..... 2.50 per doz.
20-inch stems..... 2.00 per doz.
15-inch stems..... 1.50 per doz.
12-inch stems..... 1.25 per doz.
Short stems..... 1.00 per doz.
Richmond, Liberty.....$4.00 to $ 8.00 per 100

WHITE

Bride, Ivory.....$4.00 to $ 8.00 per 100

PINK

Chatenay, Bridesmaid..... $4.00 to $ 8.00 per 100
Mrs. Marshall Field, Killarney, ... $6.00 to $15.00 per 100

LIGHT PINK

Uncle John, Golden Gate... $4.00 to $ 8.00 per 100

YELLOW

Perle.....$4.00 to $ 8.00 per 100

COPPER COLOR

Sunrise.....$4.00 to $ 8.00 per 100

Roses, our selection, $3.00 per 100.

Carnations,.....$ 1.50 to $ 2.00 per 100
Easter Lilies,..... 8.00 to 10.00 per 100
Extra fancy Asparagus Plumosus ..... 50c to $ .75 per bunch
Paper White, Romans, Daffodils .....$ 2.00 to $ 3.00 per 100

Violets..... $ 1.00 per 100
Tulips..... $ 2.00 to 4.00 per 100
Callas..... 8.00 to 10.00 per 100
Valley, fancy..... 2.00 to 4.00 per 100

PETER REINBERG, 51 Wabash Ave., Chicago.

Toledo, O.

PLANT BUSINESS GOOD.

Easter business has been in many cases much better than was expected. The growers have sold everything in the shape of plants that had a flower, and Salvia Zurich has proven to be an Easter plant of importance, several hundred being sold by one concern during the week. Roses, hydrangeas, lilies, spireas, lilac, tulips, hyacinths and geraniums sold well and nothing is left. The retailers had one of the busiest days in their history, Sunday morning finding each one hustling. The business since has been slow.

NOTES.

The club has had two very nice outings of late: one was held a few weeks ago at W. E. Hall's place in Clyde. Mr. Hall's plant is not very large, but up-to-date and perfect in every way. His specialty is carnations and he grows principally his own seedlings. He has a red one with very long, wiry stems, that would be a credit to anyone, and a seedling with Prosperity as one parent and one of his seedlings as the other is certainly the finest and largest flower any of us had ever seen. These two varieties form the bulk of his stock and he also grows White Perfection, White Enchantress, Lady Bountiful, Enchantress and Rose Pink Enchantress. Some miscellaneous stock is also grown as needed in a small town.

The other outing was held on April 26 and two of our lettuce growers were the victims. Miller Bros.' plant just covers an acre; lettuce and cucumbers are all that is here grown, but this year a section of the plant will be used for carnations and chrysanthemums. The other place was Searles Bros.' mammoth plant. The new one consists of 15 houses, each 15 feet wide by 750 feet long, heated by hot water with forced circulation. Two crops of lettuce have been harvested and the cucumbers are just commencing to bear. Everything is watered by the Skinner system and one man can do the watering very nicely with time to spare. There are about two tons of lettuce (Grand Rapids Forcing) being shipped every day. The old plant is about half the size and is still filled with lettuce; cucumbers will follow.

Our last club meeting was held at H. A. Mills' residence and there was a full attendance. Mrs. Mills had invited the ladies of the members, entertaining them while we held our business meeting. There was not much of importance going on, the Easter business being the main topic. SCH.

Omaha.

LARGE INTEREST IN TRADE.

Easter business was the best we ever had and most of the florists report an increase of from 20 to 30 per cent. No doubt the beautiful weather helped to make it so. We could not have wished for any better weather than we had during Easter week. The lilies were plentiful, but averaged poor, but the other pot plants were fine and fully made up the difference. Lilies sold at some places at any price and some could not be sold at all; good stock sold readily at 20 to 25 cents per bloom. Easter being late, azaleas were scarce and commanded a good price, lilacs and Bougainvillea sold freely at $5 or $6 each. Hydrangeas and cinerarias did not take well and spireas were a drug. Cut flowers were at their best and plentiful and the prices were not as good as last year. Long stemmed American Beauty roses were scarce; medium and short plentiful. Bulbous stock suffered some on account of the hot weather, especially daffodils and Dutch Roman hyacinths; late tulips sold well and brought $1 per dozen. Violets were much in demand but they were scarce and poor. Sweet peas went like hot cakes; also lily of the valley. The retailers made a very creditable display in their stores and windows during the Easter week. Business has kept up well since Easter and very little surplus can be seen anywhere.

NOTES.

Monday after Easter all the retailers were very busy on account of a very prominent funeral: A. Donaghue made a very elaborate casket cover of Enchantress carnations; Hess & Swoboda also made a casket cover using 400 lilies and hundreds of American Beauty roses. Numerous other designs were furnished.

GRIPPE.

EVELETH, MINN.—The flower sale at the Episcopal church April 16, was a decided success, netting the church upwards of $30.

PLEASANT HILL, MO.—Geo. M. Kellogg, who has been dangerously ill with pneumonia for many weeks is improving gradually.

KEARNEY, NEB.—The Kearney Floral Co's greenhouses, recently erected by George H. and his son, Irving Downing, were formally opened to the public April 11, and fully 1,000 people took advantage of the same and visited the houses from two to five o'clock. The front of the office was decorated with festooned evergreens and the interior of the same with southern smilax and fern leaves, roses, carnations, azaleas, lily of the valley, Easter lilies and other flowers. Graduation bouquets and baskets filled with Bride, American Beauty and Bridesmaid roses were displayed, also funeral designs. The guests were shown through the storage rooms, which were filled with all kinds of flowers, roses, carnations, Easter lilies, hyacinths, etc.

FOR MAY AND JUNE WEDDINGS we offer extra select Lily of the Valley, Bride and Bridesmaid Roses, and of course a full line of all seasonable Cut Flowers and Greens. Try us. We have the stock and can take care of all orders.

HOLTON & HUNKEL CO.

462 Milwaukee Street, MILWAUKEE, WIS.

The Best Equipped Wholesale House in the West.

We also carry a full line of **FLORISTS' SUPPLIES.** Would like to send you a catalog. Drop us a postal.

GIVE US A TRIAL. WE CAN PLEASE YOU

Roses, Carnations and all kinds of Seasonable Flowers in stock.

WM. F. KASTING CO. Wholesale Commission Florists.

BUFFALO, N. Y.

Florists' Supplies and Wire Designs.

—THE—

J. M. McCullough's Sons Co.

Wholesale Commission Florists.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Seattle, Wash.

Easter trade has been very good; most of the growers had good luck and got their lilies just in at the right time. The last two weeks the weather was very favorable for them, being clear and bright sunshine. On Good Friday it rained all day but Saturday was fine and the stores did a rushing business up to 12 o'clock at night. Nearly all the lilies were sold out Saturday night; very few to be had Sunday morning. Hydrangeas and bulbous stock also sold well; the prices were about the same as last year—25 cents bud and blossom.

At the last regular meeting of the Florists' Society the bulk of the growers were present and passed on a preliminary schedule of rules and premium list for the chrysanthemum show to be held between November 10 and November 20, the exact date to be set later on. The schedule will be ready for mailing by May 5 and any one wishing one will be supplied on application to Frank Bathurst, secretary of the society, Twenty-sixth and E. Olive street.

The Seattle Floral Co. has opened its new store in connection with the greenhouses at Fourth avenue and Denny way, Geo. Antenan having the place well arranged. J. C. R.

Wholesale Flower Markets

BUFFALO, April 29.

Roses, American Beauty	3 00@30 00
" Bride, Bridesmaid, Meteor	4 00@10 00
Carnations	1 00@ 3 00
Lily of the valley	2 00@ 4 00
Smilax	15 00
Adiantum	50@ 1 50
Lilies	4 00@12 00
Galax, per 1000	$1 50
Ferns, per 1000	2 00
Violets	40@ 75
Mignonette	2 00@ 4 00
Narcissus	2 00@ 3 00
Sweet peas	40@ 75
Hyacinths	2 00@ 3 00
Tulips	2 00@ 3 00
Daffodils	2 00@ 3 00
Asparagus Sprengeri, per bunch	25 50
Asparagus plumosus, per bunch	25@ 50

CINCINNATI, April 29.

Roses, Beauty	$1 00@$ 4 00
" Bride, Bridesmaid	3 00@ 6 00
" Richmond	3 00@ 6 00
" Golden Gate	3 00@ 6 00
" Ivory	3 00@ 6 00
Carnations	1 00@ 3 00
Lily of the valley	2 00@ 3 00
Daisies	50
Callas	10 00
Harrisii	12 50
Dutch hyacinths	3 00@ 4 00
Narcissus	3 00
Smilax	12 50@15 00
Daffodils	2 00@ 3 00
Tulips	2 00@ 4 00
Asparagus plumosus and Sprengeri in bunches, per bunch	25c
Eastern Ferns, per 1000	$2 00
Galax, Green and Bronze	$1 00
Snapdragon, per doz	75

ST. LOUIS, April 29.

Roses, Beauty, long stems	3 00@ 4 00
" " medium stems	1 50@ 2 50
" " short stems	4 00@10 00
" Bride	2 00@ 8 00
" Bridesmaid	2 00@ 8 00
" Chatenay, Richmond	2 00@ 8 00
" Killarney	2 00@ 6 00
Carnations, common	1 00@ 1 50
" best	2 00@ 3 00
Smilax	12 50
Asparagus Sprengeri	1 00@ 2 00
" plumosus, strings	25 00@40 00
" cut sprays	1 00@ 2 00
Ferns, fancy, per 1000	$2 25
Lily of the valley	3 00
Narcissus	2 00
Callas	10 00@12 50
Sweet peas	35@ 60

MILWAUKEE, April 29.

Roses, Beauty	75@ 3 00
" Liberty, Chatenay	3 00@ 8 00
" Bride, Bridesmaid	3 00@ 6 00
" Meteor, Golden Gate	3 00@ 6 00
" Perle	4 00@ 6 00
Carnations	1 00@ 3 00
Smilax, $2 00 per doz.	
Asparagus, sprays	3 00
" Sprengeri	2 00@ 3 00
Lily of the valley	3 00
Adiantum	1 50
Common ferns, $2 00 per 1000	
Harrisii lilies $6 00@ 8 00 per 100	
Tulips	2 00
Daffodils	2 00
Sweet peas	50@ 1 00

LA FAYETTE, IND.—Herman Roth is being urged to fill the vacancy on the town board made by the resignation of Dr. Ellsworth Williams.

EXTRA

Fine Stock.

Giganteum Lily plants, Azaleas, Hydrangeas, Hybrid Roses, Spirea, etc.

Roses, Carnations, Violets and other seasonable flowers.

Also Wire Designs and Florists' Supplies.

Buffalo Cut Flower Co.

468 Washington St. BUFFALO, N. Y.

C. A. KUEHN,

Wholesale Florist,

1122 Pine St., **ST. LOUIS, MO.**

A Complete Line of Wire Designs

Weiland & Olinger,

128 E. Third St., CINCINNATI, OHIO.

Wholesale Growers and Shippers of Cut Flowers.

Greenhouses, NEW CASTLE, IND.

RICE BROTHERS

Wholesale Florists and Supplies,

115 N. 6th St., MINNEAPOLIS, MINN.

CUT FLOWERS received twice daily. Can fill your orders to your satisfaction. Also headquarters for **Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns.** Prices quoted on large quantities.

WM. C. SMITH & CO

WHOLESALE FLORISTS.

Bell, Main 2018. Kinloch, Cent. 410.

1316 PINE ST., **ST. LOUIS, MO.**

H. G. BERNING,

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

PITTSBURG, PA.—A. R. Peacock has for some time thrown his greenhouses at North Highland avenue open to the public. There was a grand display at Easter and the flowers are very fine still.

CHOICE ROSES A SPECIALLY HEAVY CUT OF Maid, Bride AND Richmond

Send us your orders—or write or wire for SPECIAL QUOTATIONS ON THOUSAND LOTS

FIRST QUALITY CARNATIONS HEAVY SUPPLY

All other seasonable cut flowers in good supply — also all green goods.

J. A. BUDLONG
37-39 Randolph Street, CHICAGO.
Roses and Carnations A Specialty.....
WHOLESALE GROWER of CUT FLOWERS

New York.

QUIET AFTER HOLIDAY.

Business was rather tame during the past week, as usually happens immediately after Easter and Christmas. Nearly all stocks dropped back to old prices and several were hard to move at any price. Cut lilies got to be a drug before the end of the week and on Saturday, though offered for $1 and $2 per 100, ice boxes overflowed with them. Sweet peas were being offered on the streets in great quantities at prices unnecessary to quote, as, when the street gets any stock, it usually goes for whatever is offered. A heavy cut of ten-week stocks is now coming in and the doubles move fairly well, the quality being fine. Orchid prices have remained rather stiff, 75 cents being paid for the best cattleyas. There has been a number of weddings at which very creditable decorations were seen, and it is hoped that the weddings of the next two months, a large number of which are announced, will aid materially in keeping business on the move. Outdoor and bedding plants are now a big factor in trade. Much planting out has already been done of the hardier stocks and the geraniums and more tender plants are now moving freely, the quality of blooms being very fine. The spirit of Easter prevailed at the great hotels and pots of flowering plants and window boxes have added a charm to the medley of gay raiment worn by the ladies, and the fearful and wonderful liveries of coachmen and footmen.

NOTES.

John Kral, head salesman for Moore, Hentz & Nash, whose home is at Portchester, N. Y., is in the German hospital in this city, where, on April 25, an operation was performed on one of his legs. This was made necessary by trouble arising from an old injury. When a child, his leg was broken and from some cause has been more or less troublesome ever since. He is doing as well as can be expected at this stage, and it is sincerely hoped by his many friends that he will be around again soon, as sound as a dollar.

Weigel & Ujfalussy, who have acquired the florist supply business formerly conducted by Emil Steffens at 335 East Twenty-first street, will, on May 1, open in very convenient and commodious quarters at 138 West Twenty-eighth street. A man about town says that Twenty-eighth street is now the Wall street of the florist business.

J. G. Leikens has returned from a short visit in Newport to arrange for the opening of his new stand on Fifth avenue which for many years was occupied by Hodgson, the Florist. Mr. Leikens had the Barnes-Bliss wedding decorations last week and intends opening his Bellevue avenue branch here on Decoration day as usual.

In every window of the ground floor of the new and beautiful Plaza hotel Fifty-ninth street and Fifth avenue, there is a box of pink hyacinths, with English ivy, and the uniformity, on the background of the white stone of the building makes a very pleasing picture.

In the vestibule of the Holland house there is a fine exhibit of daisies in large pots, as well as other flowering plants. Throughout the Waldorf-Astoria there has been a profuse exhibit of combinations of lilies, spireas and other good plants.

S. S. Pennock of the Pennock-Meehan Co., Philadelphia, Pa., was in the city April 22 and visited Twenty-eighth street.

Albany, N. Y.

In discussing Easter trade, the local florists state that the public demand was greatest for violets in the cut flower line. Sweet peas were a second favorite with roses, carnations, lily of the valley, orchids and gardenias in about the order named. In flowering plants the popular demand was for azaleas in the pink and crimson shades. Hydrangeas and Crimson Rambler roses sold well as did also spireas. The local trade makes no complaint about the volume of business done although it has been somewhat better during Easter in the past two years. In most cases the supply of plants and flowers was at all times equal to the demand and only a few complaints of inability to obtain stock were made.

NOTES.

Daniel Whittle was one of the soloists at the annual banquet of St. George's Benevolent Society held on the evening of April 23 at the Ten Eyck.

Fred A. Danker, 40 Maiden Lane, contemplates building a forcing house this summer but has not yet decided definitely as to dimensions. R. D.

WASHINGTON, N. J.—Alonzo J. Bryan recently started work upon his new greenhouses, which, when completed, will have a capacity of 16,000 square feet, as compared with 3,000 square feet in the present greenhouses. He intends also to change the heating system from hot water to steam.

Washington.

EASTER TRADE GOOD.

While the general business the past two months has not been up to the standard, yet the Easter trade was all that could be expected. The retail stores, the markets and growers, large and small, all did a splendid business. There was a very large supply of good lilies. Those of the Gude Bros. Co., who had between 6,000 and 7,000 pots, were pronounced by visiting florists to be as fine a lot as they had ever seen for Easter. Many of the 6-inch pot plants carried 10 flowers and over. There was a great many short and inferior lilies on the market. A notable feature this year was the selling of Easter plants by a number of our department stores. Some of them sold a good many hundred pots of lilies etc. Although they offered lilies at 16-17 cents this did not seem to interfere with the regular trade, as all the retail florists' stores had all they could do.

One of the greatest floral attractions that was ever put up was a floral fountain of American Beauty roses and adiantum in one of the department stores here, presented to the firm by their employes in token of their good will for their employers and in honor of their spring opening. The fountain stood 14 feet high, was interspersed with electric lights and adiantums, these representing dripping water. Another notable feature at the same store was a tree of American Beauty roses 12 feet high. A great many flowers were used in these two pieces. The local papers took up this matter and wrote about it in a very enthusiastic manner. The floral pieces were designed by the Gude Bros. Co. on a competitive bid with other florists at the national capital. G.

PITTSBURG, PA.—When western penitentiary convicts marched into the prison chapel on Easter day the place was laden with the incense of hundreds of flowers which decorated the platform and rear of the auditorium. Pot plants, including azaleas, tulips, Easter lilies and carnations in full bloom, together with ferns and palms, made the display which was taken from the conservatory in the prison yard, donated by Henry Phipps several years ago. The greenhouse contains many rare plants and flowers. Several prisoners at Riverside have developed into horticulturists and botanists and it is under their charge that the greenhouse is conducted. All the prisoners were given permission to view the Easter flowers exhibited in the conservatory.

Traendly & Schenck,
WHOLESALE FLORISTS,
44 West 28th Street, Phones, 798 and 799. New York City.

Alexander J. Guttman,
THE WHOLESALE FLORIST OF NEW YORK
43 WEST 28th STREET
PHONES, 1664-1665 MADISON SQUARE
ENOUGH SAID

J. K. ALLEN, Wholesale Commission Florist.
Consignments Solicited.
Open every day at 6:00 a. m. Telephone, 167 Madison Square.
106 W. 28th Street, NEW YORK CITY.

—FLOWERS SHIPPED BY
JOHN I. RAYNOR
Are the best product of the best growers for the New York Market.
Adiantum Croweanum sold here exclusively.
49 W. 28th St., NEW YORK.
Tel. 1998 Madison Square.

ALFRED H LANGJAHR
WHOLESALE FLORIST
55 W. 28th Street, NEW YORK.
All flowers in season. Consignments of first-class stock solicited.
Telephones, 4626 and 4627 Madison Sq.

FORD BROS.
Receivers and Shippers of
Fresh Flowers
48 West 28th St. NEW YORK.
Telephone 3870-3871 Madison Sq.

872.

PERKINS & NELSON
Wholesale Florists
57 West 26th Street, Cor. 6th Avenue. NEW YORK.

HARRISBURG, PA.—C. L. Schmidt sent a fine box of various flowers to the hospital April 18, which was much appreciated.

WHITE PLAINS, N. Y.—Herman Bowman was one of the sufferers in the serious fire at the Brandes Hotel block, April 16.

DAYTON, O.—There are many interesting plants in flower at the soldiers' home and the conservatory is now open to visitors on Sundays.

BROOKLYN, N. Y.—Despite threatening weather over 1,000 people visited the Prospect park greenhouses on Easter day before 12 noon. The display was a magnificent one.

ASPINWALL, PA.—Jacob Rhule, aged 69 a civil war veteran, died recently at the home of his son-in-law, C. A. Keck, 110 Fourth street. Mr. Rhule conducted a flower and market garden on the north side for many years and every Decoration day presented flowers to the Grand Army posts to be used in decorating the graves of the dead soldiers. He served during the entire war in a Pennsylvania regiment. He was a member of Post 41, G. A. R., and Excelsior lodge, No. 36, A. O. U. W. He leaves two daughters, three sons and a number of grandchildren.

Charles Millang. August Millang.
MILLANG BROS.
Wholesale Commission Florists,
41 West 28th Street, Telephones 3860-3861 Madison, New York.

Wholesale Flower Markets

NEW YORK April 29.

Roses, Beauty, special	15 00@20 00
" " fancy	8 00@10 00
" " Nos. 1 2 and 3	1 00@ 6 00
" Richmond	1 00@12 00
" Bride, Bridesmaid, G. Gate Special	4 00@ 5 00
No. 1	2 00@ 3 00
No. 2	1 00
Carnations, fancy	2 00@ 3 00
" common	1 00@ 1 50
Lilies	2 00@ 4 00
Lily of the valley	1 00@ 2 00
Asparagus plumosus strings	25 00@40 00
" per doz. bunches	2 00@ 3 00
Smilax	8 00@10 00
Cattleyas	50 00@60 00
Violets	15@ 40
Gardenias	3 00@10 00
Callas.....per dozen	30@ 60
Roman hyacinths	50@ 75
Mignonette	1 00@ 3 00
Jonquils	50@ 1 00
Sweet peas	50@ 1 00
Tulips	75@ 1 25
Snapdragon	1 00@ 2 00
Stocks	50@ 1 00
Lilacs. Forced 75@ 1 00 per large bunch " Outdoors 10c " small "	
Pansies	50

J. Seligman. Joseph J. Levy.
John Seligman & Co.
WHOLESALE FLORISTS,
56 West 26th Street, NEW YORK.
Opposite N. Y. Cut Flower Co.
Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best Prices. Satisfaction guaranteed. Tel. 4878 Madison.

John Young
WHOLESALE FLORIST,
51 West 28th St., NEW YORK CITY
Long Distance Telephone, 4463-4 Madison Sq.

Cleary's Horticultural Co.
62 Vesey St., NEW YORK.
HORTICULTURAL PRODUCTS
WHOLESALE...AUCTION
Consignments, Quotations and Correspondence Solicited.
Sales every Tuesday and Friday.

A. L. YOUNG & CO. Wholesale Florists
54 W. 28th St., NEW YORK. Consignments of Choice Cut Flowers Solicited. Prompt payments. Give us a trial. Telephone 3559 Madison Square.

Moore, Hentz & Nash,
Wholesale Commission Florists
55 and 57 West 26th Street,
Telephone No. 756 Madison Square. NEW YORK.

HORACE E. FROMENT
WHOLESALE COMMISSION.
American Beauty Roses a Specialty. Roses, Violets, Carnations, Valley, Lilies, Etc.
57 West 28th St., NEW YORK CITY
Telephones: 2200 and 2201 Madison Square.

Walter F. Sheridan
WHOLESALE FLORIST,
Telephones: 3532 and 3533 Madison Sq.
39 West 28th St., NEW YORK

Young & Nugent,
Telephone, 2065-2066 Madison Sq.
42 West 28th St., New York
To out-of-town Florists: We are in the Heart of
And give Special attention to Steamer and Theater orders. Prompt deliveries and best stock in the market.

N. Y. Cut Flower Exchange
Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable Wall Space to Rent for Advertising.
V. S. DORVAL, JR., Secretary.

Samuel A. Woodrow
WHOLESALE
PLANTSMAN AND FLORIST
53 W. 30th St., NEW YORK.
Out of town orders a specialty.
Telephone 2083 Madison, Consignments solicited

Buyers of Cut Flowers

Will find a reliable source of supply in dealing with

THE LEO NIESSEN CO., Wholesale Florists, **1209 Arch St., Philadelphia, Pa.**

Philadelphia.

EASTER BUSINESS DISAPPOINTING.

The more the late Easter trade, just now a topic of much discussion, is talked over, the less satisfactory it appears to have been, particularly with those whose business is done mostly with the middle classes. The army of small dealers who get the privilege of pavements and some bold enough to rent empty stores and stock them up, together with the hosts of store keepers who run plants for Easter as a side line, and last of all the growers, who if they do not manage to sell out, dump their surplus stock on the sidewalks of the shopping streets in the resident districts and count all they get as so much profit, cater to the people of moderate means and all to a greater or less extent were left with large stocks on their hands when the sales were over. In addition to the general apathy of the buyers, rain, which continued most of Saturday afternoon, was a great handicap, as it doubtless kept many of the prospective customers at home. The smaller florists of the surrounding cities and towns, men who have greenhouses, almost invariably say that business was not up to their expectations and considerably below that of last season. Fine stock, in variety, that would have sold readily in other seasons, was to be seen the week after, on the benches, going to waste. Men turn to one another and ask the reason why. No one seems to have been prepared for such a reversal and it falls very hard on those who hoped for a good Easter trade to pull out the deficit of a bad season.

Business has been fair the past week, a number of weddings, with more or less elaborate decorations, using up some of the surplus stock. The catholic centennial, with its various dinners and receptions also called for elaborate decorations, most of which were done by the Habermehls. Prices are back to the low level of before Easter and possibly a trifle farther down. It is a good dozen American Beauty that brings $2 and many are sold for less. Other roses sell at from $6 to $8, for the specials, with the exception of special Richmond, which range a little higher. Carnations are plentiful, $3 being high for a few of the select, $2 buying very good stock and much less by the 1,000. White carnations are very hard to move at any price. Sweet peas have a rush on, and are coming to hand in great quantities, $3 to $5 being the price per 1,000. Very fine giant daisies are in good demand, at $4 to $5 per 1,000. Violets are now done, the warm weather making their shipment from New York unprofitable. The bedding plant men are making the best of the situation and have filled up what space they made vacant with geraniums and other stock, potted up from small sizes. Much outside planting is going on, the weather being very favorable; in fact the past few days it has seemed more like June weather than that of April. K.

Pittsburg.

AN OVERFULL MARKET.

The market has again fallen into the pre-Easter state of over supply and light demand. The rose market was never worse than at present, the finest grades going begging and the shorter grades going to the barrel. Carnations are somewhat better, the best cleaning up at two cents. Lilies are still the same old drug; no one seems to be able to move them at all. Very few violets are to be seen. In last week's report a misprint changed the meaning of the rose situation "tea" roses being printed instead of "red." Outdoor lilac is plentiful but not used very much. J.

Boston.

GOOD DEMAND FOR CUT FLOWERS.

The re-opening of the social season on Easter Monday was less marked than is customary but brought out a fairly good demand for cut flowers. A conspicuous feature is the small number of weddings of prominence in this locality. College receptions and the like are at their height and call for a line of first class stock with which the market is full. Early graduations are in order this season, the first week in June terminating the courses in all the large colleges. Easter Monday was a local holiday, presenting no business advantages, the week formally opening on Tuesday. Most of the shops have an unsold variety of flowering plants on their hands. Lilies and rambler roses seem to be the chief surplus. Carnations are the greatest burden in cut flowers and no inducement seems strong enough to effect a sale. Bulb stock is gradually disappearing but there is still more than enough to meet all demands. Roses are first-class and prices are very reasonable.

NOTES.

The regular meeting of the Gardeners' and Florists' Club was held April 21 and was largely attended by an audience of enthusiasts interested to hear the celebrated speaker of the evening, Wm. Sim, who lectured on his favorite subject "Sweet Peas." The subject and the lecturer combined an unequalled treat and both were received with unbounded enthusiasm. Five new members were added to the club register. It was voted to donate $25 to the relief of the Chelsea sufferers.

While on the way to market April 23 from the greenhouse, the large auto-van of Pierce Bros. collided with an electric car in Central square, Cambridge. Very little damage was done to the machine but all the windows on one side of the car were wrecked. Turning a sharp corner the collision was inevitable, the view of the chauffeur being completely shut off by the hoods enclosing his seat. The trip to market was continued with the loss of a few minutes in straightening the tangle.

The R. & J. Farquhar Co. gave a public exhibition of their hybrid lily which is attracting so much attention among the bulb growers at Horticultural Hall April 25. This lily is the product of a cross of Lilium longriflorum and Phillipinense and at present gives every indication of being a huge success.

Frank Edgar, son of the late W. W. Edgar, and sales agent for the Edgar Co., has been confined to his home for over a week with a serious affliction of kidney trouble. In the hands of the best physicians obtainable he is now improving, but will be some time in regaining his usual strength.

James H. Delay, who for over a generation has been identified with the retail trade has undergone an operation at the Massachusetts General hospital from which he is now rapidly recovering, after

J. J. Harty & Company

Wholesale and Commission

.FLORISTS.

1312 G St., N. W., Washington, D. C.

Phone Connection Main 5011

three weeks of anxiety to his numerous friends.

W. W. Tailby, of Wellesley, is distributing an excellent crop of irises of which he has an extensive collection of the most exclusive varieties. Besides taking care of the local market, large shipments are regularly made to others.

The Massachusetts Horticultural Society will hold its annual exhibition of late bulbous plants May 9 and 10 at the society's hall. A large entry list is already prepared and the display promises to be a most interesting one.

Thomas F. Galvin sailed from New York April 22 on the Mauretania for Europe where he is to join his family which has been spending the winter on the continent.

Visitors: Martin Reukauf and S. D. Greene, of Bayersdorfer & Co., Philadelphia, Pa. B.

Massachusetts Agricultural College.

FLOWER SHOW.

The exhibition of flowers and plants at the Massachusetts Agricultural College, April 24 and 25, was the finest held in this vicinity for several years. The display of carnations was exceptionally good and the college feels deeply indebted to the many growers who cooperated in making this show so successful. The interest shown by the students and townspeople was very gratifying, Wilder hall being crowded to its capacity during the hours the exhibition was open. At the close of the show, Professor White sent the flowers so generously contributed by the growers to the hospitals in the vicinity of Amherst. The following are the exhibitors and the flowers shown:

F. R. Pierson Co., Tarrytown, N. Y.—White Enchantress, Victory, Melody, Winsor, White Perfection and Beacon carnations.

A. N. Pierson, Cromwell, Conn., Bride, Bridesmaid, Chatenay and Richmond roses.

Wm. Nicholson, Framingham.—Fifty blooms Afterglow carnations.

W. A. Manda, South Orange, N. J.—Pink Pearl, a new hardy seedling dianthus, and specimens of his Cherokee and green roses.

Peter Fisher, Ellis.—Alma Ward, Winsor, Snowflake, Rose Enchantress, Beacon, Mrs. Tom Harvey, Evangeline, White Perfection, Mrs. C. W. Ward, Enchantress carnations and four seedlings under number.

S. J. Goddard, Framingham.—Helen Goddard, Winsor, Victory, Britannia, White Perfection, Octoroon, Lady Bountiful and Enchantress carnations.

Patten & Co., Tewkesbury.—Helen Goddard, Harry Fenn, Octoroon, Victory, Manley, Winsor, Variegated Lawson, Beacon, Red Lawson, Pink Patten, White Lawson, White Perfection, Enchantress carnations; also eight seedlings under number.

H. H. Rogers, South Sudbury.—Mrs.

Everything Seasonable.

PITTSBURG FLORISTS' EXCHANGE, —15— Diamond Sq., **Pittsburg, Pa.**

AMERICAN BEAUTIES
Lily of the Valley, Carnations and all Tea Roses,
In lots of one hundred to one thousand. Phone or wire us.
WELCH BROTHERS, 226 Devonshire St. **Boston, Mass.**

GRAFTED AND OWN ROOT ROSES
KAISERIN, CARNOT, KILLARNEY, RICHMOND, LIBERTY, BRIDE and BRIDESMAID.
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W. H. ELLIOTT, BRIGHTON MASS.

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WHOLESALE FLORISTS
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CARNATIONS in quantity. Special prices on large orders.
ABSOLUTELY THE BEST POSSIBLE SERVICE.
W. E. McKissick
WHOLESALE FLORIST.
Business Hours 7 a.m. to 8 p.m. 1619-1621 Ranstead St, PHILADELPHIA, PA.

J. B. Murdoch & Co.
714 Penn Avenue,
PITTSBURG, PA.
All Seasonable Flowers.

All kinds of flowers as they come in season—always the first and generally the last with any flowers in demand. Lilacs, Lupinus, Yellow Daisies, Peas all colors
JOHN W. McINTYRE,
1601 Ranstead St., PHILADELPHIA.

T. W. Lawson, Fair Maid, Winsor. The Queen, and three seedling carnations under number.

H. W. Field, Northampton.—Viola Sinclair, Prosperity, Enchantress, President Seelye carnations; Bride, Bridesmaid, Richmond and General McArthur roses; pansies, nasturtiums and sweet peas.

J. W. Adams & Co., of Springfield.—Fifty Prospector.

Pierce Bros., Waltham.—Mrs. T. W. Lawson, Governor Guild seedling, Enchantress, Rose Pink Enchantress, White Perfection carnations.

The Cottage Gardens Co., Queens, N. Y.—President, Snowflake, Beacon, Mrs. C. W. Ward, Alma Ward and Mrs. Harvey carnations.

Wm. Sim, Cliftondale.—Splendid specimens of the following sweet peas: Mrs. William Sim, Le Marquis, Mrs. F. J. Dolansky, Mrs. Alexander Wallace, Jack Hunter, Christmas Captain, Christmas Pink, Mrs. W. W. Smalley, Florence Denzer.

Especially admired was a vase of 30 magnificent, long-stemmed American Beauty roses from the Waban Rose Conservatories, Natick, also Killarney and Richmond.

The college devoted one room to named specimens of decorative foliage plants.

On Friday afternoon G. H. Sinclair of Northampton addressed the students of the horticultural seminary on the subject of "The Carnation; its Culture and Development."

Dayton, O.

NO ONE COMPLAINING.

The Easter trade here was very satisfactory. Fancy baskets, hampers and ribbons were more in evidence than formerly. The adding of a 25 cent hamper or pot cover to an azalea, rhododendron, hydrangea, pan of lilies, spirea or in fact any flowering plant will not only add to its appearance, but will sell it quicker and at almost double the price than without. Taking in the general conditions of trade there is no one complaining. The weather was fine at Easter and outdoor bulbs were in full bloom. Cut flowers were plentiful and no high prices, therefore the advance not being very much it afforded every one a chance to buy flowers that otherwise would not. On account of the very warm weather that we are now having the outlook for all kinds of fruit is very good—better than for years.

NOTES.

H. Haerlin, chief gardener at the National Military home is making some extensive improvements this season in the way of landscaping work and ornamental bedding. The 300,000 tulips which are in bloom there are worth going a long way to see.

The Dayton Floral Co. is handling a concrete flower vase this season that promises to be a valuable acquisition to the trade. This firm shipped an order on Tuesday of 10,000 carnations to Columbus for souvenirs for a furniture store opening.

The son of H. H. Ritter was married Easter Monday to a beautiful and accomplished young lady from our neighboring town, Troy; they are sojourning in the metropolis on their honeymoon.

The Miami Floral Co. is planting carnation both inside and outdoors. This firm had a fine lot of lilies for Easter.

John Boehner has a splendid show in bedding plants; he does the principal vase filling in Woodland cemetery.

Matthews the Florist had an unusually fine display of Easter plants this season that sold well. M.

Wholesale Flower Markets

PHILADELPHIA, April 29.

Roses, Tea	4 00@ 6 00
" " extra	8 00@10 00
" Liberty	6 00@25 00
" Beauty, extra	20 00@25 00
" " first	10 00@15 00
Carnations	1 50@ 3 00
Lily of the valley	2 00@ 3 00
Asparagus, bunch	50 00
Smilax	15 00@20 00
Adiantum	1 00@ 1 50
Violets, single	50@ 75
" double	50@ 60
Cattleyas	50 00@60 00
Lilium Harrisii	10 00@12 00
Mignonette	2 00@ 3 00
Sweet peas	50@ 75
Gardenias	35@ 50

PITTSBURG, April 29.

Roses, Beauty, specials	25 00@35 00
" " extras	15 00@20 00
" " No. 1	8 00@12 00
" " ordinary	4 00@ 8 00
" Bride, Bridesmaid	3 00@10 00
" Chatenay	3 00@10 00
" Richmond	4 00@12 00
" Perle	6 00@ 8 00
" Killarney	4 00@12 00
Carnations	2 00@ 4 00
Lily of the valley	3 00@ 4 00
Smilax	12 50@15 00
Asparagus, strings	50 00
" Sprengeri	3 00@ 4 00
Lilies	10 00@15 00
Adiantum	75@ 1 00
Violets	50@ 75
Cattleyas	75 00
Paper White Narcissus	2 00@ 3 00
Roman hyacinths	2 00
Sweet peas	50@ 75
Daffodils	1 00@ 3 00
Candytuft	25c per bunch
Stocks 10 week	2 00
Snapdragon	3 00

BOSTON, April 29.

Roses, Beauty best	20 00@25 00
" " medium	12 00@16 00
" " culls	6 00@12 00
" Bride, Bridesmaid	1 00@ 2 00
" Extra	4 00@ 8 00
" Liberty	8 00@12 00
Carnations	1 00@ 2 00
" Fancy	2 00@ 3 00
Smilax	8 00@12 00
Adiantum	75@ 1 00
Asparagus	35 00@ 0 00
Harrissi	10 00@12 00
Callas	8 00@12 00
Daffodils	1 00@ 2 00
Narcissus	2 00@ 3 00
Sweet peas	50@ 1 00

Marion, Ind.

Easter trade was fairly good here and all report a busy time. There was plenty of lilies and a few were left over, but all the best sold well and at a good price. Sale of other Easter stock was not quite as good as other years, but lots of cut flowers were sold, especially carnations. We have finally got down to the kind of competition where someone has got to cut prices and take the profit out of the florists' business. One firm advertised in all the daily papers and sold good carnations for 50 cents per dozen and roses for $1, less than such stock could be bought for wholesale in the market. This is the first time in the last 10 years that good carnations have been sold for the holidays for such a price. It is to be regretted and is entirely unwarranted.

Business in general has been fair all through the winter and we have all got our fill of spring stock. Gunnar Teilmann has his two places quite full of fine bedding stock, and is growing about 15,000 chrysanthemums, about half of which he will plant and wholesale the other half. All we need now is a good spring and plenty of business. T.

EAST LIVERPOOL, O.—The flower store of B. A. Mick, formerly located at 555 Main street, wil be moved to a building near the public square.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

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Robert Kift,
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Prompt and Careful Attention given to all Mail and Telegraph orders.

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High Grade Cut Blooms.
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Trade orders from all parts of the country filled for delivery at residence, steamer, hotel, or theater on wholesale basis. Satisfaction guaranteed. Wire or telephone.

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Prompt attention given to all mail, telephone and telegraph orders.

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Write, Telephone or Telegraph. All orders given prompt attention.

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Special attention to Telegraph or Telephone orders, 'Phone 1912.

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Telegraph Orders a Specialty. 218 W. 4th St.

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HOLM & OLSON,
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THE LEADING FLORISTS OF THE NORTHWEST
Orders will be well cared for anywhere in MINNESOTA AND THE DAKOTAS.

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Woodland Seed & Floral Co.,
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Will fill all orders for Cut Flowers, etc. for steamers for Japan and Alaska or any part of the Pacific coast. A. L. AABLING, Gen. Mgr.

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Cut Flowers of BEST QUALITY in season, delivered promptly to any address.
Write, Telegraph or Telephone
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CUT FLOWERS
For Tourists and General Trade.
Wire or mail. Highest Grade Stock Only.
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FLORAL DESIGNS AND FLOWERS
Best Quality on Shortest Notice
DANIELS & FISHER
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San Francisco.

EASTER REPORT.

Easter was not a record breaker in the line of business transacted but was satisfactory to all, as none had very great expectations. Everybody had been cautious in not overstocking, in consequence of which most everything was disposed of at a fair profit. All flowers, with the exception of lilies were plentiful and could be bought in any quantity at reasonable prices. Lilies brought good prices as they were very scarce, especially cut. In other flowering plants next to lilies, azaleas and rhododendrons were most in demand. There were a great many spireas in the market, but very little call for them. Lily of the valley as usual at Easter was to be seen in great quantities. The season for lilac was almost over, except for the late varieties.

NOTES.

After an unusually dry March and April we are now getting some belated showers, which are benefiting the country very much, although they are too late for some of the crops. The nurserymen and farmers are all hoping for a continuance of light showers for the next few weeks as it will help the orchards and grain.

The most of the lilies brought in for Easter were from the following growers: Ferrari Bros., E. W. McLellan, H. Goertzhain, Sievers & Co., Domoto Bros. and H. Plath.

Kelly Bros., proprietors of Sievers' Floral Co., will, in the near future, open another store on Sutter street, between Polk street and Van Ness avenue.

Julius Eppstein was kept very busy during Easter week; all of his large stock of lilies was sold early on Saturday.

Sievers & Jaques had a large order for cut flowers for Admiral Evans to be sent to Paso Robles.

Chas. Stappenbeck had a fine lot of tulips in his store, which he disposed of quite readily.

P.

Denver.

FINE EASTER BUSINESS.

The Easter business done here will stand well to the front with the best we have ever had, the weather being favorable in every way, no wind or rain, an ideal Easter in every respect. The plants were delivered in better condition this year than at any time heretofore, and we have had fewer complaints of lilies being bruised, etc., as it was not necessary to wrap them for delivery. Plants sold very well, lilies throughout the town being sold out. The cut flower business was quite brisk, in fact almost everything was sold off the market. The large hydrangeas were slightly over-plentiful, that is, the high priced plants, and a good many of these were left over, but everything in the way of medium priced plants was sold out entirely. Ben Boldt had some of the finest Baby Rambler roses ever seen here. They were about two feet high, covered with flowers and were sold as fast as they came in.

Trade has been rather slack since Easter, but we are looking forward to a good spring trade. Flowers are plentiful, the supply of sweet peas with long stems and fine flowers being especially abundant.

PLATTE.

CHEYENNE, WYO.—C. H. Garwood is about to erect two additional greenhouses.

GRAND ISLAND, NEB.—H. H. Williams, late of Denver, Colo., is now in the employ of E. Williams.

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Established in 1857.
Wittbold FLORIST
1657-1659 Buckingham Place,
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WE HAVE THE BEST FACILITIES IN THE CITY

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The Cleveland Cut Flower Co.
Will fill your orders for designs and cut flowers in
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WRITE, WIRE OR PHONE YOUR ORDERS TO
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Regular discount allowed on all orders, either Plants or Cut Flowers.
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16 W. 3rd Street.
Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones

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HAUSWIRTH FLORIST
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Auditorium Annex.
Mail, telegraph or telephone orders filled promptly in best style.

Atlanta, Ga.
ATLANTA FLORAL CO.
41 PEACHTREE STREET.

ASPARAGUS, BOSTONS, AZALEAS,
Plumosus Nanus, 2½-in., $3.50 per 100, $30.00 per 1000; 3-in., 6c; 3½-in., 10c; 4-in., 12c; 5-in., 20c; 6-in., 30c. Comorensis, 2-in., 2c; 2½-in., 3c; 3½-in., 6c. Sprengeri 2½-in., 3c; 3½-in., 8c; 4-in., 10c.
Bostons, 2½-in., 4c; 3-in., 8c; 6-in., 40c; 7-in., 65c; 8-in., $1.00 to $1.50; 10-in $1.50 to $2.00.
Azaleas. We are now booking orders for Easter delivery. Our stock is the best in the west.
Phones Bell Forest 1453. Kinloch. Delmar 474 L.
J. W. DUNFORD, Kingshighway and Page Bld., Greenhouses at Clayton, Mo
St. Louis, Mo.

Cut Flowers or Designs
Will be delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

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Fred C. Weber,
FLORIST,
Established 1873. Bell, Lindell 676. 4320-4328 Olive St.

A sign like this in your window will draw good business now.

Steamship Sailings.

WEEK ENDING MAY 9.

May 5, Kaiser Wil der Grosse, N. Y.-Bremen.
May 5, Kronprinz Wilhelm, Bremen-New York.
May 5, Saxonia, Boston-Liverpool.
May 5, Ivernia, Liverpool-Boston.
May 5, Numidian, Boston-Glasgow.
May 6, Ryndam, New York-Rotterdam.
May 6, Brandenburg, Baltimore-Bremen.
May 6, Madonna, New York-Naples.
May 6, Lusitania, New York-Liverpool.
May 6, Oceanic, New York-Southampton.
May 6, Adriatic, Southampton-New York.
May 7, Amerika, New York-Hamburg.
May 7, Kaiser Augusta Victoria, Hamburg-N. Y.
May 7, Koenigin Luise, Genoa-New York.
May 7, Grosser Kurfurst, New York-Bremen.
May 7, Cassel, Bremen-Baltimore.
May 7, Manitou, Antwerp-Boston.
May 7, La Provence, New York-Havre.
May 7, Canada, Liverpool-Montreal.
May 7, Celtic, New York-Liverpool.
May 7, Cedric, Liverpool-New York.
May 8, Virginian, Montreal-Liverpool.
May 8, Victorian, Liverpool-Montreal.
May 9, Zeeland, Antwerp-New York.
May 9, St. Paul, New York-Southampton.
May 9, St. Louis, Southampton-New York.
May 9, Campania, New York-Liverpool.
May 9, Lucania, Liverpool-New York.
May 9, La Touraine, Havre-New York.
May 9, Ottawa, Montreal-Liverpool.
May 9, Cretic, New York-Genoa.
May 9, Cymric, Liverpool-Boston.
May 9, Corinthian, Montreal-London.
May 9, Columbia, New York-Glasgow.
May 9, California, Glasgow-New York.
May 9, Pennsylvania, New York-Hamburg.
May 9, Graf Waldersee, Hamburg-New York.
May 9, Statendam, Rotterdam-New York.
May 9, Prinzess Irene, New York-Genoa.
May 9, Derfflinger, Bremen-New York.
May 9, Finland, New York-Antwerp.

Kansas City, Mo.
WILLIAM L. ROCK Flower Co.,
Will carefully execute orders for Kansas City and any town in
Missouri, Kansas or Oklahoma.

Milwaukee, Wis.
C. C. Pollworth Co.
Will take proper care of your orders in WISCONSIN.

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Bertermann Bros. Co.
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Flowers or Design Work.
DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.
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Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

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The Seed Trade.

American Seed Trade Association.
Geo. S. Green, Chicago, Pres.; M. H. Duryea, New York, First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-sixth annual convention, June 23 to 25, at Hotel Ponchartrain, Detroit, Mich.

VERMONT formerly had a seed law but it was inoperative and finally removed from the statutes.

G. C. ELDERING, representing W. J. Eldering & Son, Overveen, Holland, reached New York April 20 and is now on his way west.

THE SOUTHERN SEED CO., Louisville, Ky., has been licensed to do business in Indiana, capital stock, $50,000; stock represented in Indiana, $3,125.

IT has been suggested that the originators of H. R. 13835 (Seed Bill) in attacking the seed trade as a class and particularly the vegetable and flower seed houses have "treed the wrong coon."

A "WEED SEED BILL" would be a serviceable and suitable name for a restrictive law in the line indicated by its name and not be a reflection on the seed trade industry as is the title "Pure Seed Bill."

NEW YORK.—Wm. Elliott & Son moved April 24 to Vesey street. F. H. Henry, of Henry & Lee, will sail for Bermuda May 5.—Robt. Fulton is making a trip around the world by way of Europe and Japan.

NEW LONDON, IA.—Hugo Beyer, the well known seedsman, has bought 12 acres of land near Mount Pleasant, and will remove his establishment to that city in November. Mr. Beyer originated the well known Oak-Leaved lettuce.

GREELEY MARKET or Scott's Cross cabbage is a popular Colorado variety which is described by the Agnew Seed Co., Greeley, Colo., as being an accidental cross of Winningstadt and Flat Dutch. The Agnew Seed Co. will handle the seed.

CHICAGO.—Onion sets are quoted quite low for poor stock; for good sets the prices on April 29 were: $2 for yellow; $2.25 for red, and $2.50 to $2.75 for white. Grass seed contract prices on the board of trade April 29 were noted as follows: Prime Timothy, $4.25 (nominal); choice white clover, $15.

SAN FRANCISCO, CALIF., April 18.—I have just come up the coast and find some lack of rain around this city and the Santa Clara seed growing district. Sweet peas and lettuce are both suffering somewhat from want of rain but onion is rather better off at this time.—H. C.—April 22.—Light rains have fallen and prospects seem good for more.

WASHINGTON, D. C., April 24.—In reference to the agriculture appropriation bill, this passed the house a few days ago, and I am informed this afternoon by Dr. B. T. Galloway that he fully expects it to pass the senate in a week or so. Up to this time it has not been taken up in the senate.—G.—[This carries the free seed distribution.—ED.]

Braslan Seed Growers' Co.
Growers for the Wholesale Trade Only.
SAN JOSE, CAL.

Pure Milk Versus Seeds.

At the hearing on the seed bill April 21, Congressman Mann argued the responsibility of the seedsmen from the fact that the milkman whose cow produces low grade milk is subject to a penalty if he sells it. Perhaps Dr. Woods will supply an instrument for testing seeds to accurately indicate from the seeds themselves to what extent the winds, waters, insects or tendency to revert has affected the same during their growth; if so the case of the milkman who can make a chemical test can be compared with that of the seedsman, but not otherwise.

What Seedsmen Should Do Next.

Have letters written to these congressmen from the most influential citizens in their home districts protesting against the passage of this law putting the seedsmen in the restricted class along with patent medicines and adulterated foods. Ask if the evidence shows that seed trade abuses in proportion to business done prove the business should be publicly discredited. Ask if their attempted legislation is to cover up the Free Seed Folly, which squanders $400,000—public money. If not that what political move requires this seeming grand stand "reform" play. Ask those who introduced and stand sponsors for the bill to clear up the above questions and prove their personal fairness and statesmanlike motives in the matter before your congressman lends his voice and support to this law which if passed will discredit an industry which inherently and in practice is one of the most beneficent in the country. Ask why the United States government in 1848 started the distribution of rare seeds and plants, if it was a trade of fraudulent tricksters. Ask why it continues this distribution, changing the original intent of the act and sending out now the most common varieties of garden and flower seeds if this industry is a fraud. Ask what is the necessity of this free seed distribution in competition with the seedsmen and follow it with a drastic law, with prison penalties, against the class which has already been wronged. Ask if this on the face of it can be called wise statesmanship by the party in power.

When you secure the writing of these letters, please try to mail a copy of the same to the president of the American Seed Trade Association so he will know what is being done. State your own forcible reasons against the enactment of the proposed law, adding, if you deem them reasonable, some one or more of the above stated in your own language.

Names and addresses of House of Representatives Committee on Interstate and Foreign Commerce:

Wm. P. Hepburn,	R.	Clarinda, Ia.
James S. Sherman,	R.	Utica, N. Y.
Irving G. Wanger,	R.	Norristown, Pa.
James R. Mann,	R.	Chicago, Ill.
Wm. C. Lovering,	R.	Taunton, Mass.
Fred. C. Stevens,	R.	St. Paul, Minn.
John J. Esch,	R.	La Crosse, Wis.
Francis R. Cushman,	R.	Tacoma, Wash.
Chas. J. Townsend,	R.	Jackson, Mich.
James Kennedy,	R.	Youngstown, O.
Jas. R. Knowland,	R.	Alameda, Calif.
Wm. P. Hubbard,	R.	Wheeling, W. Va.
Robert C. Davey,	D.	New Orleans, La.
Wm. C. Adamson,	D.	Carrollton, Ga.
Wm. H. Ryan,	D.	Buffalo, N. Y.
Chas. L. Bartlett,	D.	Huntsville, Ala.
Gordon Russell,	D.	Tyler, Texas.

[The above represents the views of the editor of the Seed Trade Department of the AMERICAN FLORIST and no one else is responsible for the same.—Ed.]

Canary Islands Onion Seed Crop.

We illustrate on this page a growing crop of Teneriffe, Canary Islands, onion seed, most of which is under contract with the Southern Texas Growers' Association. The season is rather backward this year, writes our correspondent, April 9, owing to the unusually cold and sunless winter. Even in early April, when it should be hot and sunny, the weather is still bleak and the crop will be both late and considerably under the average in quantity. So far, little if any disease has appeared, except in a few low lying spots. The seed heads look healthy but they are coming on slowly and unevenly and while some heads are in full flower, as shown in the illustration, there are beside them others with buds just forming.

Again.

That other eminent trust buster, Congressman Mann, is made the inquisitor in chief to put the publishers on the defensive and obscure the real, the paramount arguments for the wood pulp and paper proposition. But whom will all these tricks deceive?—Chicago Record-Herald.

Addional seed trade news on pages 735, 736 and 737.

ONION SEED FIELD AT TENERIFFE, CANARY ISLANDS, APRIL 6, 1908.

PROPOSED SEED BILL REVISED.

Without assuming that the seed trade needs restrictive legislation (and even believing that it does not) the committee recently appointed by President Green of the American Seed Trade Association revised the Bill H. R. 13,835 to a degree under which they thought it might be possible to do business if forced to try.

A BILL to regulate commerce in adulterated and misbranded seed and to prevent the sale or transportation thereof, and for other purposes.

PAGE 1.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the introduction into any State or Territory or the District of Columbia from any other State or Territory or the District of Columbia or from any foreign country of any seed adulterated or misbranded, within the meaning of this Act, is hereby prohibited; and any person who shall knowingly and willfully ship or deliver for shipment from any State or Territory or the District of Columbia to any other State or Territory or the District of Columbia, or who shall knowingly and willfully receive in any State or Territory or the District of Columbia from any other State or Territory or the

PAGE 2.

District of Columbia or foreign country, and having so received shall knowingly and willfully deliver or offer to deliver, in original unbroken packages, for pay or otherwise, to any other person any seed adulterated or misbranded within the meaning of this Act, or any person who shall knowingly and willfully sell or offer for sale in the District of Columbia or any Territory of the United States any such adulterated or misbranded seed, shall be guilty of a misdemeanor, and for such offense be fined not exceeding one hundred dollars for the first offense, and after conviction for said first offense for each subsequent offense not exceeding three hundred dollars. The Secretary of Agriculture shall make uniform rules and regulations for carrying out the provisions of this Act, which shall be effective only after six months' publication.

SEC. 2. That the term "seed" as used in this Act shall include all cereal, grass, clover, and forage plant intended for seeding purposes, but the provisions of this Act, except as to the importation of seed prohibited entry under this Act, shall not apply to seed in transit or held in storage for the purpose of being cleaned, or graded, or to seed in process of cleaning or grading, or to seed stored after cleaning or grading, before being offered for sale for seeding purposes.

SEC. 3. That for the purposes of this Act seeds shall be deemed to be adulterated—

PAGE 3.

First. If seed purporting to be orchard grass seed contain more than five per centum of seed of rye grass or meadow fescue; if seed purporting to be Kentucky blue grass seed contain more than five per centum of seed of Canada blue grass; if seed purporting to be red clover seed contain more than two per centum of seed of yellow trefoil; if seed purporting to be alfalfa seed contain more than five per centum of seed of yellow trefoil, burr clover, and sweet clover, singly or combined; or if any seed purporting to be of one kind or variety contain more than five per centum of another kind or variety, such other seed being similar in appearance and of lower market value and which is used as an adulterant: *Provided,* That no seed shall be deemed adulterated within the meaning of this paragraph when it is accompanied by a statement or label in the form and manner prescribed by the rules and regulations in this Act provided for, giving the total percentage of purity and a list of the principal distinguishable kinds or varieties of seeds contained therein: *And provided further,* That no seeds or bulbs shall be deemed adulterated within the meaning of this Act, in the case of mixtures or blends; when accompanied by a statement or label in the form and manner prescribed by the rules and regulations in this Act provided for, stating plainly that they are mixtures or blends of two or more varieties of seeds or bulbs, and in such cases it shall not be necessary to dis-

PAGE 4.

close the names and amounts or proportions of the kinds or varieties of seeds contained therein: *And provided further,* That nothing in this Act shall apply to seeds sold by sample, where no misrepresentations are made; and this last clause shall only apply to interstate traffic and not to seeds prohibited of entry from foreign countries.

Second. If seed of red clover, alsike clover, alfalfa, or Egyptian clover contain more than a trace of seed of dodder; or if any seed contain weed seed, rendering it unfit for seeding purposes: *Provided,* That the provisions of this paragraph shall extend only to seed imported from a foreign country.

Third. If any seed or bulbs contain, respectively, an unusual or exceptional percentage of dead seeds or bulbs or other matter, reducing its quality below a normal average for the current season in the country where grown for the variety in question: *Provided,* That this paragraph shall extend only to seed and bulbs imported from a foreign country.

Fourth. If there shall be knowingly added to seed any weed seed or dead seed, or any other matter materially reducing its value for seeding purposes: *Provided,* That this paragraph shall not apply to the mixing or blending of seed not otherwise adulterated within the meaning of this Act.

PAGE 5.

SEC. 4. That for the purposes of this Act seed shall be deemed to be misbranded—

First. When seeds of one definitely distinguishable kind or named variety shall be substituted for or offered for sale under the name of another definitely distinguishable kind or named variety.

Second. If in package form, and the contents are stated in terms of weight or measure, they are not plainly and correctly stated.

Third. If the article be falsely labeled or branded as to the State, Territory, locality, or country in which it is raised or produced.

Fourth. If any branded box, bag, or other container is used for any other seed of the same kind which is sold in or from said container for the purpose of deceiving the purchaser.

SEC. 5. That no dealer shall be prosecuted under the provisions of this Act when he can establish a guaranty signed by the wholesaler, jobber, or other party residing in the United States from whom he purchases such articles, to the effect that the same is not adulterated or misbranded within the meaning of this Act, designating it. Said guaranty to afford protection shall contain the name and address of the party or parties making the sale of such articles to such dealer, and in such case said party or parties shall be

PAGE 6.

amenable to the prosecutions, fines, and other penalties which would otherwise attach in due course to the dealer under the provisions of this Act.

SEC. 6. That the Secretary of the Treasury shall deliver to the Secretary of Agriculture, upon his request, from time to time samples of seed being imported into the United States or offered for import, giving notice thereof to the consignee, within two days after the receipt of the seed by the custom officials at the port of entry, who may appear before the Secretary of Agriculture and have the right to introduce testimony at such time, within ten days after service of said notice upon him, and if it appear from the examination of such samples that any seed offered to be imported into the United States is adulterated or misbranded within the meaning of this Act, or is otherwise falsely labeled in any respect, or is intended solely for adulteration purposes, the said seed shall be refused admission under such regulations as the Secretary of the Treasury may prescribe: *Provided,* That the Secretary of Agriculture shall render his decision and give notice thereof to the consignee within ten days after the expiration of the time allotted to said owner or consignee to appear and introduce testimony as aforesaid: *And provided further,* That the Secretary of the Treasury may deliver to the consignee such seed, pending examination and decision in the matter, on execution of a penal bond for double the

PAGE 7.

amount of the full invoice value of such seed, together with the duty thereon, and on refusal to return such seed for any cause to the custody of the Secretary of the Treasury when demanded, for the purpose of exclusion from the country, or for any other purpose, said consignee shall forfeit the full amount of the bond.

SEC. 7. That the term "Territory" as used in this Act shall include the insular possessions of the United States. The word "person" as used in this Act shall be construed to import both the plural and the singular, as the case demands, and shall include corporations, companies, societies, and associations. When construing and enforcing the provisions of this Act, the act, omission, or failure of any officer, agent, or other person acting for or employed by any corporation, company, society, or association within the scope of his employment or office, shall in every case be also deemed prima facie to be the act, omission, or failure of such corporation, company, society, or association as well as that of the person.

SEC. 8. That this Act shall be known, described, and designated as the Pure Seed Act of 1908.

SEC. 9. That this Act shall take effect and be in force upon the expiration of six months after its passage.

The Seedsman's Lesson in Politics.

The seedsmen of America have received a convincing lesson in the policies of our present government at Washington. Through the courtesy of James R. Mann they have been introduced to the real meaning of the oft-repeated phrases: "federal control," and "bureaucracy."

The Mann "pure seed bill"—so loosely and so ignorantly drawn that it would put every dealer engaged in honest trade at the mercy of whatever government inspector, armed with the authority and the impudence of officialism, might happen along—has been dropped for the present session. But the policy of congress and of the government remains the same. The bill will undoubtedly be revived if the same congress and the same government shall be continued after the fall election.

It has long been evident, from the fact that the seed trade is the only trade with which the government competes in business, that seedsmen possess small political influence. Were this industry controlled by a combination, did it thrive by reason of a high protective tariff, were its profits so large it could maintain a perpetual lobby to wine and dine congressmen in Washington, its members would not be taxed for the purpose of paying for seeds to be given away to their customers.

The mania for "federal control" does not extend to the paper trust, nor to the oil trust, nor to the sugar trust, nor to the lumber trust; instead of attacking these industries Mr. Mann and his congressional associates seem even eager to defend them.

The suggestion has been made on good authority that the seed trade was chosen as a target because of its supposedly small sphere of political influence, which made it possible to gain political capital by "regulating" it, without arousing resentment, dangerous at the polls.

If this is the case, it is clearly a necessity that, to protect themselves from unjust attack in the future at the hands of our progressive government, the seedsmen shall either acquire political influence, or make a show of that which, unknown to Mr. Mann and his associates, it may already possess.

This can be done honestly, and should be done. If every seedsman will try to get acquainted with the congressman to be elected from his district next fall, and see that he understands the seed trade's problems, or some of them at least, it may be possible to obtain a hearing in the next congress, before an impractical bill which would harass the trade is reported out of committee.

Something might be accomplished by enlisting business men in other lines, in a movement to check the seeming desire of congress that most of the commerce of the country shall be conducted under rules to be prescribed by department clerks in Washington. This is a tendency which every man in competitive business must oppose. There is no room in this country for bureaucracy; "federal control" of this sort is an evil.

DURUM WHEAT.—The Great Northern railway has issued a seed circular for distribution to the farmers, in which this wheat is highly commended and the company offers half rate freights for seed grains for anyone wishing to procure them. As compared with Fife and Blue Stem wheats they claim that the Durum on a four year average showed nearly 90 per cent higher yield than the others, and a yield of 12 bushels per acre in its favor.

President Green's Letter to the Seed Trade.

Chicago, April 23.—I am pleased to report briefly the result of the visit to Washington of the committee appointed at the meeting of seedsmen, held in Chicago, April 10, and other seedsmen who came to Washington to attend the hearing before the Committee on Interstate and Foreign Commerce on April 21.

Our committee was granted an informal conference with Mr. Mann on April 20 and at this conference, we think we made it clear that the bill would need revision before it could be made a just and practicable law. Various changes were urged and most of these were embodied in an amended copy of the bill, which was left with Mr. Mann.

At the public hearing, April 21, our case was fully presented before the committee on Interstate and Foreign Commerce. Further congressional action on the bill will be deferred until the next session, thus giving more time for careful consideration of all features of the bill.

I feel sure that much good will result from this hearing in the way of a better understanding between seedsmen and the parties having this proposed legislation in charge.

I will report more fully on this matter at the Detroit convention, where I hope for a large attendance.

It seems reasonably certain that some federal law will be enacted and it is necessary to the interests of the seed trade that such legislation shall be just and practical.

The committee, which went to Washington, was as follows:

Geo. S. Green, The Illinois Seed Co., Chicago.
J. C. Vaughan, Vaughan's Seed Store, Chicago.
Chas. Dickinson, Chicago.
Chas. N. Page, Iowa Seed Co., Des Moines, Ia.
Jerome B. Rice, Cambridge, N. Y.
Walter P. Stokes, Philadelphia, Pa.

Among other seedsmen represented at the hearing were:

F. W. Bolgiano & Co., Washington, D. C.
Jos. Breck & Sons Corp., Boston, Mass.
Comstock, Ferre & Co., Wethersfield, Conn.
Peter Henderson & Co., New York.
Wm. Henry Maule, Philadelphia, Pa.
T. W. Wood & Sons, Richmond, Va.
Holmes Seed Co., Harrisburg, Pa.
E. V. Hallock, Queens, N. Y.
J. M. Lupton, Mattituck, N. Y.

The proceedings at the public hearing will be printed as a public document within a few weeks, and I hope to secure a sufficient number of copies to send one to each member of our association, and to others who have manifested interest in what we have been doing.

It is impossible at this time to say just what further action may be necessary to safeguard the trade against hasty legislation, or to aid in securing wise and helpful regulation, but this subject will receive consideration.

With thanks to the trade for the support which has been given me, I am, Yours sincerely, GEO. S. GREEN.

Corrections.

The following is the correct form of a paragraph incorrectly printed in the first column of our Seed Trade Department last week:

"Alex. Forbes at the hearing in Washington protested earnestly that the proposed bill imposed a prison penalty on the seedsman through accidental errors, though allowing the farmer with impunity to knowingly and wilfully permit the growing of vicious weeds in his grass fields and harvest them together at the same time."

In the report of the informal meeting in Mr. Mann's office the names of Edgar Brown and Dr. Woods of the Bureau of Plant Industry should be substituted for the names of T. W. Wood and A. J. Brown.

Catalogues Received.

The Frank S. Platt Co., New Haven, Conn., seeds; Joseph Bancroft & Son, Cedar Falls, Ia., seeds, plants, shrubs, etc.; W. H. Page, Hampton, Middlesex, Eng., carnations; Moore, Ltd., Rawdon, Eng., orchids and lily bulbs; American Nursery Co., New York, nursery stock; The Elm City Nursery Co., New Haven, Conn., nursery stock; Rockmont Nursery, Boulder, Colo., nursery stock, perennial plants, etc.; Howard & Smith, Los Angeles, Calif., seeds and plants; The English Home of Alpine Plants, South Pool, Devon, Eng., rock and Alpine plants; Harlan P. Kelsey, hardy plants and bulbs; Noah's Ark, Boulder, Colo., seeds and tools; Goos & Koenemann, Nieder-Walluf, Germany, plants and nursery stock; John A. Bruce & Co., Hamilton, Ont., seeds; The Conard & Jones Co., West Grove, Pa., roses, cannas and shrubbery; I. N. Kramer & Son, Cedar Rapids, Ia., seeds and plants; Conrad Appel, Darmstadt, Germany, forest and agricultural seeds; The Yokohama Nursery Co., Ltd., trees, shrubs, bulbs, herbs, etc.; Standard Pump and Engine Co., Cleveland, O., pumping engines; V. Lemoine et Fils, Nancy, France, plants and seeds; Peter Henderson & Co., New York, lawn seed and implements; Wild Bros. Nursery Co., Sarcoxie, Mo., fruit trees, shrubs, etc.; Perry's Hardy Plant Farm, Enfield, Middlesex, Eng., perennials; Morrisville Nurseries, Morrisville, Pa., nursery stock; Hickory Seed Co., Hickory, N. C., seeds; Chas. W. Schneider, Little Silver, N. J., hardy and bulbous plants; Schaum & Van Tol, Boskoop, Holland (McHutchison & Co., 17 Murray St., New York, agents), nursery stock; United Pump & Power Co., Chicago, Perry pneumatic pump.

Imports.

During the week ending April 25 imports were received at New York as follows:

McHutchison & Co., 147 tubs laurel trees, 25 cases plants.

A. Rolker & Sons: 78 tubs laurel trees, three bls. plants.

Julius Roehrs & Co.: 43 cases plants, 24 tubs laurel trees.

Philip Einsman: 14 cases plants, six tubs laurel trees.

H. H. Berger & Co.: 10 tubs laurel trees, two cases plants, one case bulbs.

Stumpp & Walter Co.: 10 tubs laurel trees, one case plants.

Wm. Elliott & Sons: eight cases plants.

W. Hageman & Co.: three cases plants.

P. Henderson & Co.: two cases plants.

E. C. Converse: one case plants.

Wadley & Smythe: four bls. rose trees.

Hy. Nungesser & Co.: 600 pkgs. seed.

To others: 118 cases plants, 79 pkgs. plants, 18 cases trees, two bskts. trees, 70 tubs laurel trees, eight boxes bulbs, 133 bags poppy seed, 258 bags clover seed, 206 pkgs. seed.

Buying Seeds.

—Chicago Daily New

Maryland Legislation.

A Baltimore letter says that seedsmen are opposed to a law now before the Maryland legislature, known as the pure-seed bill. This bill makes it necessary for the seed dealer to guarantee all seed that he sells, and in case of violating the provisions of the bill he is liable to a fine of $100 and costs. The seedsmen are opposed to this bill, because it places upon them the necessity of guaranteeing something that it is impossible to guarantee. No dealer can guarantee seeds to be absolutely pure. These dealers are making every effort to get seeds that are pure, but growers will not take out weeds that grow in wheat or other grain fields and the seedsmen cannot do so.—Country Gentleman.

ST. LOUIS, MO.—Wm. F. Nichol, president of the St. Louis Seed Co., distributed, free of charge, last Thursday, 60,000 packages of seeds, five or six varieties to the package, to the school children of this city. Each package would have cost 40 cents if purchased.

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Purest Strains GARDEN PEA and BEAN SEED.
For the Wholesale Trade. ALPENA, MICH.
Mention the American Florist when writing

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Specialties: Lettuce, Onion, Sweet Peas, Aster Cosmos, Mignonette, Verbena, in variety. Correspondence solicited.
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Contract Seed Growers,
Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.
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Write for Prices on Surplus Stocks for Immediate Shipment.

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OVERVEEN. HAARLEM. HOLLAND.
Headquarters for High Grade Hyacinths, Tulips and Narcissi. We do not sell at Retail. Write for special quotations on large quantities.
Address our G. C. Eldering, care Hotel Seville, Madison Ave. and 29th St., New York.

LAWN GRASS SEED in Bulk and Packages
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Who will also send you, on demand, catalogue and special prices of all
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PROCEEDINGS
Of the Congress of Horticulture held at the Jamestown Exposition, September 23, 1907,
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This publication includes the formal addresses and discussions of the papers read at the meeting which covered the various phases of Horticulture. This meeting was pronounced by Horticultura authorities as one of the greatest Horticultural meetings ever held in a single day,
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National Council of Horticulture, Missouri Botanical Garden, St. Louis, Mo.

NOW READY 1908 EDITION Trade Directory.

MARKET GARDENS.

Suggestions in Season.

Start a bed of parsley or rhubarb now if these crops are included in the forcing list. Parsley is very slow to germinate; sometimes it is good policy to mix the seed with a little fine sand, place it in a flat and keep moist for 10 days or so. Sometimes the land is not ready or one has not the time to spare and, by starting the seed as above, time can be saved in germination. The young seedlings do not thrive in hot weather hence an early start is needed. Drill the seed in rows 15 or 18 inches apart on good garden land.

Rhubarb is very sensitive to deep covering or baking of surface; it is quick to germinate. Land should be fine and the seed drilled in very shallow, say half an inch deep. If it is intended to transplant after one year sow the rows 15 inches apart; if to be grown two years, better make it 30 inches, then a horse hoe can be used between them. If rhubarb is started early on rich land and well cared for, the plants can be forced the first winter. To accomplish this be sure and thin the seedlings promptly, giving each about nine inches in the rows.

Winter Blight of Tomatoes.

Any one who wishes to grow some early potatoes would do well to try the sprouting method. Put the tubers in shallow flats, in a warm light place—under a greenhouse bench is good. Let them get green and hard. The eyes will soon start and are then quicker to grow when planted. Some cut the tubers, place in flats and cover with light earth and start them growing.

MARKETMAN.

Winter Blight on Tomatoes.

ED. AMERICAN FLORIST:—

We are having some trouble with our tomatoes and thought perhaps some of your correspondents could help us. The disease is what we call the winter blight and while not new in this section, is worse than usual this year. It started among our plants early in the fall and has gradually spread through our entire place. When a plant becomes affected the top leaves become covered with brown spots and sometimes dies, but usually makes a weak growth and the blossoms will not set fruit. When there is fruit on the plant at the time it is attacked it also frequently becomes covered with brown spots and will not ripen properly. We have removed the soil from some of the worst benches and replaced it with new soil. The young plants which we planted in these benches are still healthy, while others placed in the benches with the old plants have taken the disease in a good many cases. The soil used last fall was a clover sod, ploughed under about July 1. This was hauled about August 15 and one-fifth of manure, which had been composted separately, was added. Also 125 pounds ground bone to 500 square feet of bench. We do not expect to get much of a crop of tomatoes this spring, but would like to know how to guard against this disease in the future. W. B.

Kennet Square, Pa.

This disease is characterized by a curling and distortion of the leaves, which become covered with small brown spots, due to the collapse and death of the leaf tissues. No fungi or other parasites are to be found on the diseased plants. The stems and leaf petioles are also marked externally by longitudinal brown striations of a similar nature and the pith of the older stems is brown and collapsed in places. There is a very noticeable deficiency in wood formation. The stems are extremely brittle and all parts of the foliage are excessively charged with water. The fruits are small and in many cases spotted like the leaves. The central placentæ are large with a relatively small amount of pulp.

Winter Blight of Tomatoes.

TO THE TRADE

HENRY METTE QUEDLINBURG, GERMANY.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: **Beans**, Beets, Cabbages, **Carrots**, Kohl Rabi, Leek, Lettuces, **Onions**, **Peas**, **Radishes**, Spinach, Turnips, Swedes, **Asters**, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspurs, Nasturtiums, **Pansies**, Petunias Phloxes, Primulas, Scabious, **Stocks**, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, mixed), the most perfect and most beautiful in the world, $5.00 per oz.; $1.50 per ¼ oz.; 75c per 1-16 oz. Postage paid, Cash with order.

All seeds offered are grown under my personal supervision on my own grounds of more than 3,000 acres, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

List of my novelties in flower seeds for 1908 sent on application.

Vegetable Plants.

	Per 100	1000
Cabbage, Wakefield L. I. Second Early, Early Flat Dutch, Early Summer, Winningstadt, and other later varieties, $1.00 per 1000; $8.50 per 10,000.		
Beet, Eclipse, Crosby's and Egyptian	$ .25	$1.25
Lettuce, Boston Market, Tennis Ball, Big Boston and Grand Rapids	.20	1.00
Celery, White Plume and G. S. Blanching	.20	1.00

Cash with order.

R. VINCENT, Jr. & SONS CO.,
WHITE MARSH, MD.

MUSHROOM CULTURE

The Most Profitable Outdoor Industry Known.

If you want a really successful crop of

MUSHROOMS

USE ONLY

Johnson's Improved

MUSHROOM SPAWN

Which Is Scientifically Inoculated with Virgin Spawn.

JOHNSON'S, LTD., are thechief makers of Mushroom Spawn and growers of Mushrooms in England, and they recommend this season's improved spawn as being in better condition than ever.

Correspondence invited for OVER-SEA ORDERS. Prices and particulars on application.

NOTE THE ADDRESS:

JOHNSON'S, LTD.,
44 Bedford Row, London W. C., Eng.

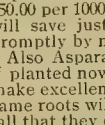
RHUBARB and ASPARAGUS CLUMPS

Sold Now for Forcing for the Coming Winter.

We can sell you fine undivided Rhubarb Roots at present for $25.00 per 1000. These will cost you $50.00 per 1000 next winter, and if planted now you will save just half on your clumps. Can ship promptly by next freight out.

Also Asparagus Roots for $5.00 per 1000, which, if planted now and grown during the summer, will make excellent roots for forcing next winter. These same roots will cost you just twice the money next fall that they do now. Let us hear from you at once, as this stock is going fast.

WARREN SHINN, Woodstown, N. J.



FLORISTS have a splendid opportunity of raising **Mushrooms** by utilizing the **waste space** under the benches, and then utilizing the **waste material** of expended mushroom beds in growing flowers. **Lambert's Pure Culture MUSHROOM SPAWN**, the best spawn in the market, is sold by all leading seedsmen. A fresh sample brick, enough for a trial bed, together with illustrated book on "Mushroom Culture" will be mailed postpaid upon receipt of **40c** in postage stamps. Address **American Spawn Company, St. Paul, Minn.**

This disease is physiological in nature. It appears to be a nutrition trouble, due to unbalanced or improper food rations. These abnormal conditions are often very complex, but in this case the injury would appear to be chargeable to two main factors, a deficiency in potash, and the use of green clover sod. The tomato requires for its best development of fruit a large amount of potash. Your correspondent does not mention using any. The well-rotted stable manure and ground bone used would supply nitrogen and phosphorus, but both are deficient in potash.

Analyses show that all parts of the tomato plant take up far more potash than nitrogen or phosphoric acid. This is least marked in the roots, and most evident in the fruit, where the potash is nearly double that of the nitrogen, and nearly five times that of the phosphoric acid. Accordingly, it is important that potash predominate in the manures. There is also the further reason for a very liberal supply of potash in that nitrogen can exert its fullest action only in the presence of rather more than the minimum amount of potash and phosphoric acid required by the plant. Potash is commonly furnished in the form of muriate, although the carbonate and sulphate also give good results. Wood ashes constitute a good source of potash, and have the advantage of not only correcting soil acidity, but likewise furnish carbonate of lime, which the tomato requires in the ratio of 25 pounds for every 800 cubic yards. Wood ashes may be applied at the rate of 20 pounds to every 50 cubic feet. The following may also be recommended for every 100 cubic yards of good loam: Well rotted manure, 240 pounds; dissolved boneblack, 13 pounds; muriate of potash, 25 pounds.

In the second place, we note that your correspondent used soil in August from a clover field plowed under in July. The organic materials in the soil could not have been sufficiently nitrified in this short time to be properly available to the plants. There is also a possibility that there may have been present in the soil some substances formed by the fermenting clover that would be poisonous to the tomato plants. We approve of the use of clover sod in preparing a greenhouse soil, but would advise that it be composted the fall before it is to be used, so that the vegetable matter can be thoroughly broken down by the action of the soil organisms. It would also be an advantage to apply whatever ground bone is used to this compost the preceding year, as much of the phosphoric acid in fresh ground bone is not available to plants, but slowly becomes so after incorporation with the soil.

W. A. O.

Prices of Indoor Vegetables.

The prices of indoor vegetables at leading points April 25 were as follows: New York, cucumbers, No. 1, 50 cents to 75 cents per dozen; No. 2, $2 to $2.50 per box; lettuce, 25 cents to $1.25 per dozen bunches; mushrooms, 25 cents to 60 cents per pound; mint, 40 cents to 50 cents per dozen bunches; radishes, $1.25 to $2 per 100 bunches; rhubarb, $2 to $5 per 100 bunches; tomatoes, 15 cents to 25 cents per pound. Chicago, cucumbers, 30 cents to 85 cents per dozen; radishes, 15 cents to 25 cents per dozen bunches; mushrooms, 35 cents to 65 cents per pound. Cincinnati, cucumbers, $1 to $1.25 per dozen; mushrooms, 50 cents to 60 cents per pound. Pittsburg, Pa., cucumbers, $7.50 to $8 per box. St. Louis, cucumbers, 50 cents to 60 cents per doz. Boston, tomatoes, 30 cents to 35 cents per pound; cucumbers, $4.50 to $5 per box.

BRUNSWICK, ME.—Wm. Butler has opened a store here, the first in town, and reports good business for so small a place.

NEW CANNAS 1908

Rosea Gigantea. This beautiful variety has extra large flowers which are borne in such abundance that the mass of color on each plant is amazing. Single petals are 2½ inches across; color, a deep rich rose, almost a coral carmine. Plants make a vigorous growth, producing unusually fine clumps of green foliage. Height, 4 feet. (A great favorite with visitors to our trial grounds.) Strong plants, **$2.00** each, prepaid; **$18.00** per doz., by express, not prepaid.

Gladio-Flora. Remarkable for the unusual shape of the flowers which look like large Gladiolus. Petals are not long, but short and rounded and so wide they overlap each other, thus giving a very attractive appearance to the flowers. Color is crimson changing to carmine rose with an uneven edge of gold to each petal. Height, 3¼ feet. Price, strong plants, **$2.00** each, prepaid; **$18.00** per doz., by express, not prepaid.

Meteor. Meteor is a vigorous grower with healthy green foliage. It is highly valued because of its magnificent flowers, fully four inches across, and abundance of bloom. Color is a deep crimson, very rich; each plant usually throws up five to six trusses of buds which continue blooming luxuriantly all summer through. Price, plants of dormant roots, **75c** each, postpaid; **$6.00** per doz., by express, not prepaid.

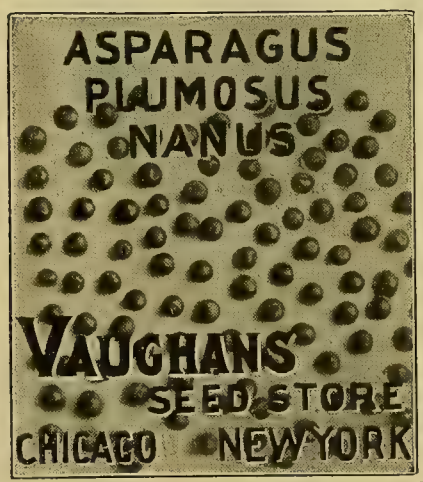
NEW CANNAS OF SPECIAL MERIT.

William Saunders. (1907) The flowers are large, of splendid form and are borne very freely in immense clusters. The color is a deep rich shining scarlet lightly dappled with crimson. Foliage is a rich bronze. Height, 3½ to 4 feet. We believe that Wm. Saunders is decidedly the most perfect Canna of this type that has been introduced. Those who tried Wm. Saunders in 1907 say it cannot be excelled. We offer plants only: **60c** each, postpaid; **$5.00** per doz., **$35.00** per 100, by express, not prepaid.

60 other varieties. Send for our list and prices.

The Conard & Jones Co.,

WEST GROVE, PENNSYLVANIA



We handle this Asparagus both in seeds and plants of all sizes, in very large quantities and make very close prices on larger amounts on application. Our seed is pure, fresh, of best germinating quality and extraordinary vitality

Northern Greenhouse-Grown Seed. Per 100 seeds, **60c**; 250 seeds **$1.25**; 1000 seeds, **$4.00**; 5000 seeds, **$19.50**; 10,000 seeds, **$37.50**. Price for larger lots on application

Asparagus Plumosus Nanus Seed

$2.50 per 1000, Cash.

NEW CROP Highest Germination.

DRAKE POINT GREENHOUSES

YALAHA, FLORIDA.

King Humbert Cannas.

EXCELLENT STOCK. 3-in., $7.50; 4-in., $12.50.

GEO. A. KUHL, Pekin, Ill.

GLADIOLI

Madeira Vine,

Hyacinthus Candicans,

Spotted Calla,
Oxals, summer blooming, Cinnamon Vine Roots, German Iris, Delphinium Formosum, Lilies, etc.

—Write for Price List.—

E.S.MILLER, Wading River, N.Y.

CANNAS

Austria, Allemania, Alsace, Bouvier, Capt. Drugeon, C. Henderson, J. D. Eisele, Florence Vaughan, Kate Gray, Pres. Viger, Pennsylvania, Pres. Meyer, Souv. de Ant. Crozy, $2.50 per 100; $20.00 per 1000. David Harum, $4.00 per 100; $35.00 per 1000. Egandale (3-in. pots only), $5.00 per 100. King Humbert, the king of all Cannas, an extra large stock from strong 4-in. pots, $25.00 per 100.

Boston Ferns, Scottii, Elegantissima and Whitmanii, we have many thousand to offer from 2¼- to 4-in. at rock bottom prices. Can offer special bargains in R. C. **Beacon Carnations.** Write us for special prices.

W. W. COLES, Kokomo, Ind.

NEW PLANTS

GLADIOLUS Lemoinei and Nancianus.

V. LEMOINE & SON, Nancy, France.

Catalogues on application.

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,

Successors to L. K. Peacock, Inc., ATCO, N. J

The Nursery Trade

American Association of Nurserymen

J. W. Hill, Des Moines, Ia., President; C. M. Hobbs, Bridgeport, Ind., Vice-President; George C Seager, Rochester, N. Y., Sec'y.
Thirty-third annual convention to be held at Milwaukee, Wis., June 10-12, 1908.

THE MISSING LINK APPLE CO., inquired about, is located at Clinton, Ill.

VISITED CHICAGO.—Wm. Satter, representing Ebbinge & Van Groos, Boskoop, Holland.

READING, MASS.—A. Chandler Manning announces that he has opened a landscape architect's office at this place.

BROWNSVILLE, TEX.—The Rio Grande Nursery Co. filed articles of corporate dissolution in the state department April 17.

IN our obituary column the death of Edwin Hoyt, the well-known nurseryman of New Canaan, Conn., is announced.

"CROWN GALL IN MINNESOTA," a circular issued by the state entomologist is specially directed to nurserymen to whom it should prove of considerable interest.

FIG TREES are apparently good property around Victoria, Tex., where a preserving factory is promised as soon as there is a prospect of fruit being forthcoming.

SMUDGE FIRES made of damp material are more reliable as frost protectors than those made of dry material or oil. In addition to creating a dense smoke they add evaporated water to the atmosphere which serves to retard heat radiation.

A RECENT bulletin of the Bureau of Plant Industry, of the Department of Agriculture, is entitled "Self-Boiled Lime-Sulphur Mixture as a Promising Fungicide," by W. M. Scott, pathologist in charge of orchard spray demonstrations and investigations of diseases of fruits.

L. A. GOODMAN secretary of the Missouri State Horticultural Society is authority for the statement that the outlook for fruit this season is unusually good. He says: "In spite of the very warm winter which we have been having the buds have swollen only a little, not enough to allow a sudden drop in temperature to ruin the crops. The berries promise to be plentiful.

THERE seems to be quite a merry little row on at Grand Rapids, Mich., between the nurserymen and park employes. One nurseryman's contribution reads: "Now we don't object to competition, but we do object to help paying the salaries of city officials and then to have them go into the open and give a share of their time to private enterprises. It is not just to the city and especially not to the men engaged in the work which they usurp." This sounds reasonable.

YORK, NEB.—C. S. Harrison reports that business so far has been very good this spring. Mr. Harrison states that he has started a branch nursery at Paynesville, Minn., under the management of Frank Brown, where matters are going along very well. Mr. Harrison considers it absolutely necessary to have a northern base of supplies because nearly everything outside of that region is so far advanced that it is not fit for use in the northern states.

SALT LAKE CITY, UTAH.—The Salt Lake County Horticultural Association met in the city and county building, April 18, and discussed various matters of interest to its members. Inspector J. P. Sorenson was instructed to write to some prominent California fruit grower and obtain information relative to the methods used there to protect fruits from frost. Joseph M. Smith reported that frost had injured apricots in the southern part of the county and that pear blight also had done considerable damage.

Northwest Nursery Co., Valley City, N. D.

The Northwest Nursery Co. is the title of an important corporation just starting up, with its home at Valley City, N. D. The promoters are Dr. E. A. Pray of Valley City, E. C. Hilborn of Enderlin, P. A. Pickett of Leal and O. O. Wagley of Milwaukee, Wis. Mr. Hilborn is president and manager, Dr. Pray vice-president and treasurer, and Mr. Pickett is secretary. These officials constitute the board of directors and the company has an authorized capital of $50,000. Mr. Hilborn is not new to the nursery business having held several important posts and been of late northwest superintendent of the Jewell Nursery Co., Lake City, Minn.

E. C. Hilborn.
President of Northwest Nursery Co., Valley City, N. D.

The new company has secured commodious offices and a desirable tract of land within the Sheyenne valley for an experimental farm and orchard. It will handle home-grown northern stock which will be adapted to the northwest. It had several tracts in view and has secured the very best obtainable for the purpose. It will begin at once erecting the necessary buildings, and is planting a lot of stock this spring for next year's trade. Stock of various sizes has been planted to be ready for the trade offered next year. The managers will experiment with trees and shrubs of all kinds and select those best adapted to this climate. Mr. Hilborn will shortly remove to Valley City and make it his future home. The new company begins life under good management, and with ample backing, and there is every reason to predict for it a prosperous and useful career.

Planting A Shrubbery.

The arranging of the shrubs needs considerable attention and much preliminary thought. Though each will have his own ideas on the subject, and these will have to be adapted to the circumstances of his own particular case, says the Journal of Horticulture, yet there are certain general principles which should be kept in view. Some advocate planting at such distance apart as to permit of taking out alternate shrubs in two or three years' time. Even if one has the heart to do the thinning out sufficiently when the time comes, it is not a very good plan, as the shrubs to be taken out abstract much nutriment from the soil that those remaining will want, and before the thinning out takes place the latter will most likely have suffered from crowding and begun to get bare below. A better way is to give the shrubs ample space at the time of planting, and to grow annuals and low-growing perennials of a non-spreading character among them. If the soil has been properly prepared for the shrubs these flowers will do very well for two or three years, and this is probably as long as they will be really needed. The cherry and Portugal laurels should only be planted where a thick hedge or screen is wanted, or next to fences and walls where anything choicer may be damaged by cattle or passers-by. If planted amongst choicer shrubs they are bound to smother them eventually.

There are so many evergreens of more beautiful and delicate, and yet vigorous growth, that there is no need to plant these coarse shrubs, except in the circumstances mentioned, or where a very large specimen evergreen is wanted. In choosing and arranging the shrubs an eye should be kept to color effect, so as to avoid having a red currant next to a scarlet Japanese quince, or a Daphne mezereum between them. While each shrub should have room to develop its distinctive beauty of form, yet it is often effective to plant three or four of the same variety together so as to form a large bold mass having the appearance of one fine shrub, with perfect freedom of expansion for all the outer branches of the group. This is infinitely more effective than dotting the same variety about the plantation.

A shrubbery should not be composed either wholly of evergreens or wholly of deciduous shrubs, for in the former case it looks too somber both winter and summer, and in the latter case too bare six months of the year. Both should be planted, where the leafless shrubs will show up the evergreens in the winter, and the darker tones of the latter will show up the lighter tones of the deciduous shrubs in the summer.

Chilean Grape Culture.

Consul Alfred A. Winslow, of Valparaiso, reports that much attention is given the cultivation of grapes in Chile, and the manufacture of wine therefrom, as will be seen by the following statistics:

The industry is growing rapidly and promises well. The climate and soil are excellent for the production of some of the best varieties of grapes. In 1906 there were 57,665 hectares, or 142,493 acres, under cultivation, against 51,539 hectares, or 127,354 acres, for 1904. In 1906 there were 17,260 hectares under cultivation on irrigated lands. The grapes grown on the irrigated lands were the best. The production of wine for the harvest of 1906 amounted to 157,604,656 liters (liter equals 1.0567 quarts), of which the greater proportion was red wine. The production for 1907 exceeded that of 1906 very materially, but the exact figures cannot yet be given.

During 1906 wine to the value of $203,430 United States gold was imported, of which the United States furnished less than one-half of 1 per cent. During the same time Chile exported wine to the value of $54,740.

Dreer's Hardy Climbers.

	Per doz.	Per 100
Clematis Hybrids, such as Jackmani, Jackmani Superba, Henryi, Duchess of Edinburgh, Fairy Queen, Sieboldi, Gipsy Queen, Lilacina, Floribunda, Mme. Baron Villard, Mme. Van Houtte, Miss Bateman, Standishi, The Gem, The President and Ville de Lyon, all in strong two-year-old plants	$3.00	$20.00
Clematis Montana Grandiflora, new early flowering variety, very desirable	30c each	3.00
Clematis Montana Rubens, new, identical with above, except that in color it is of a soft rosy red, distinct, novel and a great acquisition	75c each	8.00
Akebia Quinata, strong two-year-old plants	1.25	8.00
Ampelopsis Veitchii, strong two-year-old	1.50	10.00
Ampelopsis Virginica and Engelmanii, strong two-year-old	1.25	8.00
Aristolochia Sipho, extra heavy	4.00	30.00
Bignonia Grandiflora, strong roots	3.00	20.00
Honeysuckles Halleana, Evergreen and Variegated, strong 4-inch pot-grown plants	1.00	7.00
Honeysuckle Heckrothi, strong two-year-old	1.75	12.00
Ipomea Pandurata, dormant roots	.50	4.00
Lathyrus Latifolius Albus	1.00	7.00
" " **Splendens**	1.00	7.00
Kudzu Vine, strong one-year-old	1.00	7.00
Schizophragma Hydrangeoides, Climbing Hydrangea, strong pot-grown plants	75c each	7.50
Wistaria Sinensis, heavy two-year-old	3.50	25.00
" " **Alba,** heavy two-year-old	4.00	30.00

HENRY A. DREER, —714— Chestnut St., **Philadelphia, Pa.**

Surplus List of Peach Trees

At 5 cents each, 4 to 5 feet high, at $45.00 per 1000. We will exchange these Peach Trees for Privet cuttings. Tree roots, Arbor-vitæ or other nursery stock. Please write at once, as this stock is going fast.

Warren Shinn, Woodstown, N. J.

THE South African minister of agriculture having requested Horticultural Commissioner Jeffrey, of Sacramento, Calif., to send a man to Pietermaritzburg to teach local growers the packing of citrus fruits, he has chosen M. S. Sutpen who will start for South Africa at once.

The Supply of Hickory.

The future supply of hickory is a subject that is being seriously considered by various important associations connected with the automobile and carriage industry, no suitable substitute in wood or steel having been found for it, nothwithstanding many tests that have been made. It is hoped that the bias of manufacturers against red hickory, which experts claim is equally as good as white, if clear and of good quality, will disappear as the use of this would largely prevent the present waste of this valuable wood and thus help out the supply of white. Only two woods come anywhere near the quality of hickory for the purpose indicated; these are the eucalyptus and the crowfoot elm, both Australian kinds. But the tests on these are not yet conclusive and American users will have to be very conservative with the present supply of this precious wood.

Hardy Roses for Colorado.

The following roses are recommended by W. Paddock of the Colorado Agricultural Experiment Station as suitable for that locality:

Red.—Prince Camille de Rohan (dark), American Beauty, Gruss an Teplitz (dark), Gen. Jacqueminot.

Pink.—La France, Helen Gould, Anna de Diesbach.

White.—Kaiserin Augusta Victoria.

Yellow.—Franz Deegan.

Climbing.—Crimson Rambler, Dorothy Perkins, Prairie Queen, Baltimore Belle.

BOX TREES.

We have just received a car load of beautiful, shapely Box Trees, the best we ever had, in all sizes and shapes.

PYRAMIDAL SHAPED—Fine, Shapely, Compact Trees.

Base	Each	Base	Each
2 ft. high, 18 in.	$1.25	4 ft. high, 2 ft.	$3.00
2½ ft. high, 18 in.	1.50	5 ft. high, 2½ ft.	5.50
3 ft. high, 20 in.	2.00	6 ft. high, 3 ft.	7.00
3½ ft. high, 22 in.	2.50		

STANDARD OR TREE SHAPED BOX.

Full, compact, well shaped heads.	Each.
24 in., clear stem, crown 18 to 20 in.	$2.00
24 in., clear stem, crown 24 in.	3.00
18 in., clear stem, crown 34 in.	3.50
24 in., clear stem, crown 34 in.	4.50

GLOBE SHAPED BOX TREES.

	Each.
12 in. diameter Globes, 3-4 in. clear stem	$1.50
18 in. diameter Globes, 3-4 in. clear stem	2.25

BABY BOX TREES, 12-18 in. Stem.

	Each.
Crown 10 in. diameter	$ .75
Crown 12 in. diameter	1.00

Prices do not include tubs. Roots are done up in burlap. These prices good only until April 20th. Order at once.

Vaughan's Seed Store, 84-86 Randolph St. CHICAGO. 14 Barclay St., NEW YORK.

Greenhouses and Nurseries, Western Springs, Ill.

ARBOR VITÆ

(Thuya Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.

Write for descriptions and prices.

THE WM. H. MOON CO.,

Morrisville, Pa.

AZALEAS (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Coniters, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Jacs Smits, Ltd. NAARDEN, (Holland.)

Price list free on demand.

THE

Storrs & Harrison Co.

PAINESVILLE NURSERIES.

CATALOGUES AND PRICE LISTS FREE ON APPLICATION.....

PAINESVILLE, OHIO.

NEW

Surplus Shipping List

NOW OUT.

Send for one. Low prices. Fine stock.

PETERSON NURSERY,

Lincoln and Peterson Avenues, CHICAGO.

LARGE TREES.

OAKS and MAPLES.

PINES and HEMLOCKS.

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.

Chestnut Hill, PHILA., PA

BOBBINK & ATKINS,

Rutherford, N. J.,

Bay Trees, Palms, Buxus, Azalea indica, Rhododendrons, Evergreens, Herbaceous Plants, Roses, Trained Fruit Trees, Greenhouse Grape Vines. Ask for catalogue.

Dormant Roses

Two-Year-Old No. 1 Stock.

	Per 100
American Beauty, bench grown	$10.00
La France, budded	15.00
Frau K. Druschki, budded	15.00
Soleil d'Or, budded	15.00
Paul Neyron, budded	15.00
Hermosa, strong, own roots	12.00
General Jacqueminot, budded	11.00
Magna Charta, budded	11.00
Mad. G. Luizet, budded	11.00
Perle des Blanches, budded	11.00
Mrs. Sharman Crawford, budded	15.00

VINES.

	Per 100
Ampelopsis Quinquefolia, 3 yr.	15.00
Aristolochia Sipho, 3 yr.	25.00
Honeysuckle Belgica, 3 yr.	25.00
Honeysuckle Heckrotti, 3 yr.	25.00
Honeysuckle Scarlet Trumpet, 2 yr.	12.00
Matrimony Vines, 3 yr.	10.00
Ampelopsis Veitchii, 3-4 ft.	15.00
Ampelopsis Veitchii, 2-3 ft.	12.00
Ampelopsis Veitchii, 18-24 in.	10.00
Clematis Jackmanni, 2 yr. pot grown	20.00
Clematis Henryii, 2 yr. pot grown	20.00
Clematis Gipsy Queen, 2 yr. pot grown	25.00
Clematis Gipsy Queen, 3 yr. field grown	25.00
Clematis Ville de Lyon, pot grown	20.00
Clematis Ville de Lyon, 3 yr. field grown	25.00

	Per 100.
Mad. Plantier, own roots	10.00
Memorial Roses, 5 kinds, own roots	10.00
Rugosa Roses, Red and White	12.00
Moss Roses, White, Pink and Red, budded	12.00
Prairie Queen, own roots	10.00
Baltimore Belle, own roots	10.00
Standard Baby Ramblers, 4 ft.	50.00
Half Standard Baby Ramblers, 3 ft.	50.00
Standard Dorothy Perkins, 8-10 ft.	Each $1.50
Standard Crimson Rambler, 8-10 ft.	Each 1.50

	Per 100
Clematis Beauty of Worchester, 2 yr. pot grown	30.00
Clematis Montana Rubens	Each $1.00

PERENNIALS AND SHRUBS.

Tritoma Pfitzerii	10.00
German Iris, 15 named kinds	6.00
Japan Iris, imported clumps, 13 sorts	15.00
Astilbe Davidii, Mt. Blanc, and Lemoines New Rose	$2.00 per doz.
Dielytra Spectabilis	7.00
Hydrangea Snowball, 3 yr.	Doz., $5.00
Magnolia Halleana, 3 ft.	Each $1.25
Lilac Chas. X and Marie Legray, pot grown, each	50c
Robinia Rosea, 3 ft.	25.00

CARNATIONS—Rooted Cuttings.

	Per 100	Per 1000
Afterglow, 2-in. pots	$12.00	$100.00
Andrew Carnegie, 2-in. pots	12.00	100.00
Defiance	12.00	100.00
Sarah Hill, 2-in. pots	12.00	100.00
White Enchantress	6.00	55.00

	Per 100	Per 1000
Red Riding Hood, from soil	5.00	40.00
Robt. Craig, from soil	$3.00	$25.00
Winsor, from soil	6.00	45.00
Mrs. Patten, from soil	2.50	20.00
Prosperity, sand	2.50	20.00

VAUGHAN'S SEED STORE, 84-86 Randolph Street, CHICAGO
14 Barclay Street, NEW YORK.

Greenhouses and Nurseries: Western Springs, Ill.

Dracæna Indivisa.

Fine stock for Hanging Baskets.

Strong plants from 3-inch pots, $6.00 per 100; $50 00 per 1000; 250 at 1000 rate.

VICK & HILL CO.

P. O. Box 613, Rochester, N. Y.

Kaiserin.

	Per 100	Per 1000
Strong young plants in 2 1-2-inch pots	$4.50	$40.00
MAID, BRIDE, 2 1-2 inch pots	3.00	25.00

Bench Plants of American Beauties

$6.00 per 100; $50.00 per 1000. Now ready for shipment.

	Per 100	Per 1000
MAID, BRIDE, RICHMOND and **CHATENAY**	$3.00	$25.00

BASSETT & WASHBURN,

76 Wabash Avenue, **CHICAGO.**

TAUSENDSCHON

or in English, **THOUSAND BEAUTIES,** is the sensational new Climbing Rose of the year, Every florist should have it. It is not excelled for forcing purposes and for general planting by any Climbing Rose now known, **not even barring Crimson Rambler.** This is the coming forcing Rose. Get your stock early. Illustrated in ten colors and gold in our Catalogue for 1908 the **Leading Rose Catalogue of America.** Every rose worth having is described in it. Copy free for the asking.

Strong plants of Tausendschon from 3-inch pots, 10 for $1.50; $12.00 per 100; $100.00 per 1000.

Dahlias, all the leading varieties, $45.00 to $50.00 per 1000. Send for list.

Cannas, all the leading varieties $10.00 per 1000 and upwards. Ask for list.

The Dingee & Conard Co., WEST GROVE, PA.

Tariff on Evergreen Seedlings.

Species of the laurel (so-called), Aucuba Japonica and Kalmia latifolia, and of the rhododendron (Rhododendron ponticum), which retain their verdure throughout the year, are evergreens within the meaning of paragraph 252, tariff act of 1897; and under said paragraph seedlings of those plants are dutiable as "evergreen seedlings" rather than as "nursery stock." This was decided in an appeal from the circuit court of the United States for the southern district of New York by P. Ouwerkerk against the assessment of duty by the collector of customs at the port of New York.

The merchandise in dispute consisted of three varieties of plants, designated as Aucuba Japonica or Japanese laurel, Rhododendron ponticum, and Kalmia latifolia or American laurel. The board held these plants to be dutiable under paragraph 252, tariff act of 1897, as "evergreen seedlings." The government contended that they had been properly classified under the provision in the same paragraph for "nursery stock."

The theory of the government's contention is that the term "evergreen" is restricted to such evergreen plants as the conifers and box. The board of general appraisers held, however—and its decision was affirmed by the circuit court without opinion—that the term is not so restricted, but applies to seedlings of all plants which retain their greenness throughout the year, and that it is sufficient if a plant fall within the general class of evergreens, irrespective of whether it is hardy in a particular locality or under different climatic conditions. The plants in question, being shown to be evergreen in this sense, were held to be "evergreen seedlings" as above set forth.

WITTBOLD'S OFFER OF

PERENNIALS, SHRUBS

and Other Stock You Need Right Now.

PERENNIALS.

From December, 1907, sowing. Have been replanted into flats. Any at $10.00 per 1,000 until replanted again.
Myosotis (Forget-me-nots).
Stokesia Cyanea (Stokes aster).
Bellis (Daisy).
Eulallas.
Erianthus Ravennæ.
Aster Bessarabicus.
Achillea (The Pearl).
Lobelia Cardinalis.
Pentstemon (Beard-Tongue).
Rudbeckia Triloba.
Tritoma, asst. Hybrids.
Campanulas, under name and asst.
Digitalis, " " " "
Yucca Filamentosa.
Delphinium, asst. Hybrids.
Sweet William, single mixed.
Lychnis Chalcedonica, also Haageana Hybrids.
Dianthus Plumarius, mixed.
Shasta Daisy Alaska.
Ampelopsis Veitchii.
Veronica Longifolia Subsessilis.
Gaillardia Grandiflora, also Kelway's Hybrids.

Perennials in Pots, One Year Old. Per 100

Dianthus, Sweet William, 5-inch pots....$10.00
Coreopsis Lanceolata, 5-inch pots..... 8.00
Campanula, asst., 6-inch pots..... 12.00
Per 1000

GRAVE MYRTLE or VINCA MINOR 2-inch pots..... $25.00
2½-inch pots..... 30.00

Perennial Clumps from Field.

12c per clump except where specified.
Iris Germanica, all colors under name, 10c.
" Kaempferi, blue, tall, 10c.
Bachelor's Buttons, yellow, 2 feet, 10c.
Campanula, assorted.
Chrysanthemum Uliginosum, 3 feet.
" Shasta Daisy.
Coreopsis Lanceolata.
Day Lily, 5 feet.
Gaillardia.
Golden Glow (or Rudbeckia), 5c.
Lychnis Chalcedonica.
Delphinium or Larkspur.
Phlox, all colors, under name.
Pentstemon, assorted.
Polemonium Cæruleum (Jacob's Ladder).
Physostegia Speciosa, grand, mixed.
Yucca Filamentosa (Adam's Needle), 25c.

KENTIAS

		Per doz.
Kentia Belmoreana,	5-in.	$ 7.20
" "	5-in. strong	9.00
" "	6-in.	12.00
" "	6-in. strong	15.00
" Forsteriana,	5-in.	7.20
" "	5-in. strong	9.00
" "	6-in.	12.00
" "	6-in. strong	15.00

Araucarias.

4-inch.....50 cents each
5 " .....75 " "
6 " .....$1.00 each

ROSES IN POTS AND OUTDOOR.

Prairie Queen, 3 to 5 feet, 15 to 35c each. Per 100
Ramblers, Crimson, 2 feet, 15c.
" Baby, 3½-inch pots .....$ 6.00
Sweet Brier, 2 to 3 feet, 10c to 25c each.
1 Lot Hybrid Perpetual, 5-inch, asst. varieties, pot grown 15.00

PEONIES. In variety, 10c to 50c each.

Cycas Revoluta.

4-inch .....25 cents each
5 " .....35 " "
6 " .....50 " "
7 " .....75c to $1.00 each
8 " .....$1.25 to $1.50 "

If we do not confine ourselves to the exact size of pot specified, we shall see that stock of good value for the money is sent on every order.

TREES.

Box Elder, from 1 to 2½ inches, 6 to 10 feet 35c to $1.00 each. Per 100
Catalpa, 1½ to 2 inches, 8 to 10 feet, 75c each, $75.00
Elm American, 2 to 4 inches, 6 to 12 feet, $1.00 to $3.00 each.

DRACÆNA INDIVISA.

This most useful plant is always in great demand in spring. Better secure your stock now. Fine plants in the following sizes and prices:

			Per doz	Per 100
Dracaena	Indivisa,	4-in....	$ 2.00	$12.00
"	"	5-inch....	3.00	20.00
"	"	6-inch....	6.00	40.00
"	"	7-inch....	9.00	

SHRUBS, ETC.

Ampelopsis Quinquefolia, or American Ivy, 15c each.
Berberis Thunbergii (Japanese Barberry), 1 to 3 feet, 10c to 50c each.
Hydrangea Paniculata, 2 to 3 feet, 15c to 35c each.
Symphoricarpus Racemosus alba (Snowberry) 2 to 5 feet, 10c to 50c each.
Symphoricarpus Vulgaris rubra (Indian Currant), 2 to 4 feet, 10c to 35c each.
Lilacs, Persian, also German, in white and light and dark purple, 3 to 6 feet, 25c to $2.00 each.
Viburnum Opulus (Snowball), 2 to 5 feet, 10c to 50c each.
American Arbor-vitæ, 2 to 3 feet, 10c to 25c each.
Matrimony Vine, 10c to 50c each.
Spiræa Sorbifolia (white), 3 feet, 25c.
" Thunbergii, 2 to 3 feet, white, 15c to 25c.
" Regalis, 3 feet, 35c.
Syringa (Philadelphus) Lemoineii, 3 to 4 feet, 25c to 35c each.
Cut-leaf Elder, 3 to 6 feet, 10c to 25c.

DAHLIAS.

These are large field clumps.

Cactus.	Per doz.
Mrs. A. Beck, rich, salmon, twisted petals, scarlet reflex	$1.00
Charles Woodbridge, bright crimson	1.00
Miss A. Nightingale, bright red, shading to golden yellow at center	1.00
Kriemhilde, pink, shading to white at center	1.50
Countess of Lonsdale, a peculiar blending of salmon, pink and amber	1.50
F. Bartels, bright scarlet	1.00
Decorative.	
Zulu, black maroon	1.00
C. W. Bruton, a fine yellow, tall grower	1.50
Oban, rosy lavender	1.00
Iridescent, vivid red, tipped with blue	1.00
Sylvia, pink, white to center	1.50
Mrs. Geo. Reed, purple, with white tint	1.00
Show Dahlias.	
A. D. Livoni, a pure quilled pink	1.50
Cameliaflora, pure white dwarf	1.00
Single Dahlias.	
J. Cowan, a fine scarlet	1.50
John Downie, crimson	1.50
Sunningdale, blush white	1.00
Mixed Colors.	
Good varieties, all colors	.75
" " mixed yellow	.75

MISCELLANEOUS LOT OF BULBS.

	Per 100
Gladiolus, mixed	$1.00
Amaryllis Formosissima	5.00
Zephyranthes Alba	2.00
" Rosea	2.00
Pancratium, Spider Lily	5.00
Ismene Calathina, 1st size	6.00
" " 2nd size	4.00
" " bulblets	2.00
Tritoma Hybrids, asst. 1 year old, largest size	4.00
Tritoma Hybrids, small size	2.00

The GEO. WITTBOLD CO., 1657 Buckingham Place, Chicago

Hardy Ferns.

The present time—if the weather is open and the soil in good working order—is suitable for the planting of many hardy ferns. There is one thing more than any other that ferns dislike, and that is a draughty position, and though a shady, moist situation is agreeable to them, they do not flourish so well in a stagnant, saturated soil as in one that has fair drainage. When we think of it, numbers of the ferns growing wild are found on banks, and we all know that that implies pretty sharp drainage. It is worth while in the first instance to do for our ferns what we can so far as giving them healthy conditions, for a fernery, even a small one, in which the ferns are growing luxuriantly and in splendid health and beauty is a wonderfully decorative feature in the garden. Cool, green beauty, perfection of growth, exquisite line and curve and variety of form are things to compel our admiration. We do not want to have a few miserable ferns planted simply because nothing else will grow in the particular spot. Supposing there is such a spot, and it is to become the fernery, with a little care and taste in arranging it the ferns need not become languid and miserable-looking objects. It is not absolutely necessary, but where the soil is thoroughly sour and saturated it will improve the state of things wonderfully to dig down three feet or so and throw in a layer four to six inches in depth of old mortar rubble and ashes, and then to bring fresh soil, if the old is in this unhealthy condition. This layer of drainage will keep the soil wholesome for years. Many of our hardy ferns are very beautiful, and besides these there are many American and Japanese varieties every bit as hardy. I cannot vouch for the truth of it, but I have read of hartstongue ferns growing to a height of five feet in Devonshire. We may not compass that, but with careful cultivation our stately evergreen hartstongues may become noble and striking plants. Take, again, the common little polypodium; under the most forsaken and

untoward conditions it makes the best of things, but give it a little attention and good cultivation, and how it responds! The Welsh polypody (P. vulgare Cambricum) is a very handsome form. Among the lastreas we need not be content merely with the well-known male fern, for there are many variations, and L. felix-mas grandiceps is finely crested. A fern catalogue will give many desirable forms among the athyriums, the polystichums and other varieties.

The most difficult fernery to make picturesque is that under the lee of the palings of a small town or suburban garden. But with the help of some sandstone, much may be done. If it be possible to have the ferns on both sides of a pathway, it adds much to the artistic appearance, and it may be possible to make the ordinary pathway deviate a little, and perhaps narrow it slightly in order to make it run through the little fernery, and not merely at its foot. In quite a small town garden that unfortunately faced the north I call to mind a beautiful border of ferns fringing the miniature lawn, a small verge of grass beyond it, then the pathway and then the veranda covered with Virginian creeper—a very charming little picture panel was obtained as the creeper leaves turned to red with the tall waving fronds below them. Ferns make so distinct and characteristic a feature in a garden that it behooves us surely to use this feature. Bulbous plants associate charmingly with ferns for a spring effect. Ivy should not be allowed to become too rampant among the ferns—Gardening World.

VANCOUVER, WASH.—All report Easter business as better than last season by 30 per cent. Lettuce growers are well pleased with the last season's business considering the stringency of 1907, and from the present outlook there will be more greenhouses erected the coming summer. Great credit is due Mrs. Lulu Woodard one of our prominent lettuce growers who, upon the sudden demise of her husband two years ago, has, by strenuous efforts under dire circumstances, pulled through her place of 10 acres and two large greenhouses. More glory to our up-to-date women.—C. M. W.

AMERICAN BEAUTIES

Good strong A No. 1 stock,
2¼-in. $5.00 per 100; $45.00 per 1000.
References from unknown parties.

The Lamborn Floral Co,
Rosemont Greenhouses.
ALLIANCE, - OHIO.

Strictly First-Class PLANTS

ON OWN ROOTS
2½-pots to line out.

$2.50 per 100
$25.00 per 1000
Baby Rambler
Clothilde Soupert
Dorothy Perkins
Mme. A. Chatenay
Crimson Rambler

$2.75 per 100
$27.50 per 1000
Hermosa
Maman Cochet
Malmaison
Etoile de Lyon
Helen Gould
Lady Gay
M. Neil
Notting
Meteor
White Maman

ROSE PLANTS

$3.00 per 100
$30.00 per 1000
Black Prince
Mme. Masson
Richmond
Kaiserin
Paul Neyron

$3.50 per 100
$35.00 per 1000
Etoile de France
Gen. McArthur
Mme. J. Guillemot
Mrs. J. Laing
Helen Good
$5.00 per 100
J. B. Clark
$8.00 per 100

C. M. NIUFFER, Springfield, O.

Rose Plants

From 2½-inch Pots.

	Per 100	Per 1000
Bride	$3.00	$25.00
Bridesmaid	3.00	25.00
Uncle John	3.00	25.00
Ivory	3.00	25.00
Chatenay	3.00	25.00
Sunrise	4.00	35.00
Perle	4.00	35.00
Kate Moulton	5.00	40.00
Richmond	4.00	35.00
Killarney	5.00	40.00

CARNATIONS

Well Rooted Cuttings. Ready for shipment.

	Per 100	Per 1000
PINK		
Lawson	$1.50	$12.50
Enchantress	2.00	15.00
WHITE		
White Lawson	2.00	15.00
RED		
Robt. Craig	2.50	20.00

Bench Plants

Richmond and Perle	$4.00	$35.00
American Beauty	6.00	50.00

PETER REINBERG

51 Wabash Ave., CHICAGO.

Grafted Roses

FOR FORCING.

Bride, Kaiserin, Richmond,
Bridesmaid, Killarney, Wellesley,

$12.00 per 100; $100.00 per 1000.

JACKSON & PERKINS COMPANY

WHOLESALE FLORISTS AND NURSERYMEN,

Newark, Wayne County, New York.

ROBERT CRAIG CO.

WELL GROWN YOUNG **ROSES**

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

Forget-Me-Nots For Sale.

$3.00 per 1000; small plants that will bloom in one month. Can be shipped by express or mail.

Warren Shinn, Woodstown, N. J.

Roses AND Vincas.

400 sorts 2½ and 4-inch.
See column adv. page 640, Apr. 18.

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO

For Best Results Advertisers should mail new advertisements and changes so as to reach us on Mondays.

A FEW GOOD THINGS YOU WANT.

Asparagus Sprengeri, 2-in., $2.50 per 100; 3-in., $5.00 per 100. Seedlings, $1.00 per 100.
Geraniums, Nutt, Doyle, Perkins, Ricard, Grant, La Favorite, R. C., $1.25; 2-in. pots, $2.00; 3-in., $4.00 per 100; Trego, Viaud, Castellane, Poitevine, Jaulin, R. C., $1.50; 2-in. pots, $2.50; 3-in., $5.00 per 100. Mme. Salleroi, 2-in. $3.00 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100; 3-in., $5.00 per 100.
Boston Ferns, 5-in., 30c each.
Vinca Var., 2-inch, $2.00 per 100.
Dracena Indivisa, 2-in., $3.00; 3-in., $5.00 per 100.
Gladiolus Bulbs, light colors, $1.00 per 100.
Rex Begonia, $5.00 per 100.
Coleus, Cigar Plant, Verbena, Heliotrope, Scarlet Sage, Bonfire, Alternanthera, red and yellow, 2-in. pots, $2.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the express companies properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J

Bench Plants.

ONE-YEAR-OLD.	Per 100	Per 1000
AMERICAN BEAUTY	$6.00	$50.00
MAID	2.50	20.00
BRIDE	2.50	20.00
CHATENAY	2.50	20.00
Rooted Cuttings.		
MAID	$1.50	$12.00
RICHMOND	1.50	12.00
KATE MOULTON	2.50	20.00
From 2½-Inch Pots.		
SMILAX	$2.50	$20.00
CLIMBING KILLARNEY	3.00	25.00

No order filled for less than 100 plants or cuttings.

GEORGE REINBERG,
35 Randolph St., CHICAGO.

Moonvines.

(Ipomœa Noctiflora, A. W. Smith, originator), best pure white, largest and most fragrant moonvine in the world. I have made a specialty of them for the last 15 years, and am known as the moonvine grower of America, and grow yearly about 20,000 2½-in. pots, $5.00 per 100, now ready.

GODFREY ASCHMANN,
Importer, Wholesale Grower and Shipper of Pot Plants,
1012 W. Ontario St., PHILADELPHIA.

British Horticulture.

FROM THE BRITISH TRADE PAPERS.

WICHURAIANA ROSE DEBUTANTE.—Although not profusely produced, there is something charming about the late sprays of bloom which this rose yields. Even as late as the first week in December pretty little flowers could be cut, and they are particularly welcome when upon most of the pillars there are few, if any, roses to be seen. There can be no question that raisers will soon be giving us a group of late-flowering rambler roses of the Wichuraiana tribe, and considering the readiness that this tribe can be mingled with other groups by crossing, we are hopeful that such lovely gems as Rene Andre and Alberic Barbier will be produced as autumnal bloomers.

VIBURNUM UTILE.—First discovered near Ichang in 1880, this shrub was introduced to cultivation by James Veitch and Son, through their collector, E. H. Wilson. It grows about five feet high, and bears comparatively small flowers in dense terminal cymes; these are white, and followed by smooth black fruits. Quite hardy, free and effective.

HERBERTIA AMATORIUM.—A pretty irid, from South America. Under greenhouse or frame culture it flowers for a long period, though individual flowers are short lived. The blooms are two inches across, rich violet-blue, with brown markings at the base of the inner segments.

GRAFTED ROSES.

NOVELTIES.

MRS. JARDINE, RHEA REID, QUEEN BEATRICE.
The above, $6.00 per doz., 50 plants for $18.00, $35.00 per 100.
MY MARYLAND, 50c each, $5.00 per doz., $35.00 per 100.
On own roots, 2½ in. pots, $25.00 per 100, $2.00 per 10; 3 in. pots, $5.00 per doz.
MRS. POTTER PALMER, $3.00 per doz., $17.50 per 100; $125.00 per 1,000.
NEW RAMBLER, "NEWPORT FAIRY." For delivery spring 1908. Well rooted plants in 2¼ inch pots $1.00 each, $9.00 per dozen, $50.00 per 100.

STANDARD VARIETIES.

Aurora, Betty, Bon Silene, Bride, Bridesmaid, Enchanter, Etoile de France, Franz Deegen, Gen. McArthur, Golden Gate, Hermosa, Ivory, Kaiserin Augusta Victoria, Kate Moulton, Killarney, La Detroit, Maman Cochet, Marechal Niel, Mme. Abel Chatenay, Mme. Hoste, Mrs. Pierpont Morgan, Papa Gontier, Rosalind Orr English, Richmond, Souv. du President Carnot, Souv. de Wootton, Uncle John, Wellesley, White Cochet.
GRAFTED, 2¼ inch pots, 20c each, $2.00 per doz., $15.00 per 100, $120.00 per 1,000.

AMERICAN BEAUTY.

Own root, 2½ inch pots, $8.00 per 100, $75.00 per 1,000. 3 inch pots, $12.00 per 100, $100.00 per 1,000. April, May and June delivery.

OWN ROOT ROSES.

From 2½ inch pots, repotted from 2 inch.
Kaiserin Augusta Victoria, Killarney, Bride, Bridesmaid, Ivory, Golden Gate, Uncle John, Richmond, Mme. Abel Chatenay, Aurora, $1.00 per doz., $6.00 per 100, $50.00 per 1,000.
From 2 inch pots ready for shipment, $3.50 per 100, $30.00 per 1,000.

CARNATIONS.—Rooted Cuttings.

	100	1,000
Winsor	$6.00	$50.00
Rose Pink Enchantress	3.50	30.00
Enchantress	2.50	20.00
Queen Louise	2.50	20.00

From 2¼ inch pots, add $1.00 per 100.
White Enchantress, 3 in. pots,, $7.00 per 100, $60.00 per 1,000.

MISCELLANEOUS PLANTS.

AGERATUM, Stella Gurney, Princess Pauline.
SALVIA Splendens, S. Bonfire.
HELIOTROPE.
Rooted cuttings 75c per 100, $6.00 per 1,000.

COLEUS.

Verschaffeltii, Golden Queen, Fire Brand, Lord Palmerston, Queen Victoria, Beckwith's Gem. Prices of Rooted Cuttings by express, 60c per 100; $5.00 per 1,000. Less than 250 of a variety will be charged at the 100 rate.
Golden Bedder, Hero, Messey, Pearl of Orange, 75c per 100, $6.00 per 1,000. Less than 250 of a variety will be charged at the 100 rate.
Fancy Varieties. A very fine assortment of twelve kinds not listed above; 75c per 100, $6.00 per 1,000. 250, in assortment, our selection, at the 1,000 rate.

ASPARAGUS PLUMOSUS NANUS SEEDLINGS.

From flats, $10.00 per 1,000.

CHRYSANTHEMUMS.

Ready for Shipment.
Virginia Poehlmann, Angele Laurent, Golden Dome, Mlle. Jeanne Rosette, Money Maker, from 2¼ in. pots, $2.00 per doz.; $10.00 per 100.
Mrs. Clay Frick, Zimmers Yellow, Mary Mann. From 2¼ in. pots, $1.00 per doz.; $6.00 per 100.
Rooted Cuttings, $5.00 per 100.
CHOICE POMPONS, Klondyke, Quinola.
CHOICE SINGLE VARIETIES, Kitty Bourne, Mrs. Roberts, Amorita.
From 2¼ in. pots, $1.00 per do.

STANDARD VARIETIES

WHITE—Early: George S. Kalb, Polly Rose, Early Snow, October Frost. Mid-Season: Clementine Touset, White Shaw, Mrs. H. Robinson, Beatrice May, Merza, Niveus, Queen, Alice Byron, Eureka, Miss Minnie Wanamaker, Adelia. Late. Mrs. McArthur, Timothy Eaton, W. H. Chadwick, Merry Christmas.
PINK—Early: Glory of the Pacific, Rosiere. Mid-Season: J. K. Shaw, Adelia, A. J. Balfour, William H. Duckham, Dr. Enguehard, Morton F. Plant. Late: Maud Dean, The Harriott, Mayor Weaver, Mrs. James Marshall.
YELLOW—Early: Monrovia. Mid-Season: G. Pitcher, Col. D. Appleton. Late: Major Bonnaffon, Golden Wedding, H. W. Reiman, Yellow Eaton.
RED—Cullingfordi, Merstham Red, Matchless.
BRONZE YELLOW—Mrs. William Duckham, Old Gold.
POMPONS—Baby (Yellow), Lulu (White), Briolas (Pink).
From 2¼ inch pots; 5c each, 50c per dozen, $3.00 per 100, $25.00 per 1,000.
Rooted Cuttings: $2.00 per 100, $15.00 per 1,000.

A. N. PIERSON, - Cromwell Conn.

60,000 Grafted Roses

	Per 100
Chatenay, Killarney, Richmond, Liberty, La France, in rose pots	$15.00
3½-inch pots	18.00
Bride, Bridesmaid, Golden Gate, Kaiserin, in rose pots	10.00
3½-inch pots	15.00

OWN ROOT ROSES.

3-inch pots ....$7.00 and $9.00 per 100
Orders received for early delivery.

50,000 Verbenas in bud and bloom.
Also good varieties of **COLEUS.**

J. L. DILLON, Bloomsburg, Pa.

PANSY PLANTS.

	Per 1000	100
Giant Flowering	$ 2.50	.50
Alternantheras, Red and Yel., Apl. 10		2.00
Coleus, 2¼-in pots, 10 varieties		2.00
Canna, C. Henderson, and eight other varieties, 3-in. pots, May 1st		3.50
Vinca, Variegated, 2¼-in, pots		2.50
Verbenas, April 15th		2.00

GERANIUMS.

	Per 100
4 varieties 3-in. pots, Apl. 1	$ 4.00
Double Petunias, Apl. 1	3.00
Asp. Plumosus, Apl. 1	2.00
Asp. Sprengeri, Apl. 1	2.00
Centaurea Gym. Apl. 15	2.00
Primroses, July 1st	2.00

—CASH—

JOS. H. CUNNINGHAM, Delaware, O.

RECENT BOOKS.

Yard and Garden.*

In this excellent little book of about 420 pages the author, Tarkington Baker, manages to get a great amount of useful information. The book appears at a time when much interest is being taken by civic authorities and societies having as an end in view the tidying up of our cities, towns and villages, making them beautiful where possible, and taking away the hideousness of the vacant lot and neglected yard. It is a good work and we welcome any book that will be a help along this line.

A little less preamble perhaps would have been advisable but it is all readable and interesting and in his third chapter the author gets down to business by showing how to plan gardens. His advice as to planting is excellent and is helped out by excellent illustrations. "Lawns" is a good chapter and in those succeeding it, vines, annuals and hardy perennials are discussed in a pleasing and helpful manner, much other useful information with regard to flowering bulbs being given in the appendix. There are other chapters which refer to various details connected with this class of gardening while "The Indoor Winter Window Garden" will be read with interest by those devoted to this class of gardening. We can recommend the book to all amateur gardeners who are seeking information as to how to beautify their home grounds. It is profusely illustrated, has a good index and the price is $2.

Roses and Their Cultivation.*

The full title of this excellent English book is "Roses, Their History, Development and Cultivation." It is written by the Rev. Joseph H. Pemberton, long looked up to as an authority on roses in England, and some of the cultural points referred to are more adapted to British methods than American, but that does not make the principal chapters less interesting to growers and rose lovers in this country. The botany of the rose is very fully treated on and in this connection there is an interesting series of illustrations of various wild and garden species as well as a frontispiece of Rosa canina or the English dog rose. This is followed by a list of wild roses of other countries with concise and excellent descriptions and roses for various seasons.

Soils, manures and other requirements are fully treated on, while planting, propagating, pruning, bedding and grafting have all separate chapters. "Raising Roses from Seed" is an especially interesting and suggestive chapter especially now when so much interest is being taken in new roses. Growing for exhibition and methods of exhibiting are also treated, but here again the British methods with the old style boxes and cups is described though there are many excellent hints as to decorative roses and the methods of showing them. One of our English correspondents has already given his opinion of this extremely interesting and readable book which is excellently bound and got up. It contains 336 pages, and an excellent index and appendix. There are over 40 illustrations and the price is $3.50. It is a thoroughly readable book from cover to cover and we can recommend it to all lovers of the rose.

JERSEY CITY, N. J.—Hippolyte Nicholas Jacquement, an old resident of this city, dropped dead in New York, April 22, at the age of 69 years. Deceased was a native of France and had been in this country 35 years. He was a landscape gardener by profession and had been employed by many of the owners of fine estates in this vicinity. He leaves a wife and six children.

*We can supply any of the above books when price is quoted.

FERNS. FERNS.

2¼-inch Boston and Piersoni, extra strong	$ 3.00 per 100;	$ 25.00 per 1000
3 -inch " " " "	6.00 per 100;	55.00 per 1000
5 -inch " " " "	25.00 per 100;	
6 -inch " " " "	35.00 per 100;	
2¼-inch Scotti and Elegantissima, extra strong	4.00 per 100;	35.00 per 1000
3 -inch " " " "	8.00 per 100;	75.00 per 1000
2¼-inch Asparagus Plumosus " "	3.00 per 100;	25.00 per 1000
4 -inch " " "	8.00 per 100;	75.00 per 1000
2¼-inch " Sprengeri. " "	2.25 per 100;	
3 -inch " " " "	5.00 per 100;	
4 -inch " " " "	8.00 per 100;	

Hardy Plants Get our prices on Seedlings transplanted and field-grown. We have a very fine assortment of undivided clumps.

See our offerings of Bedding plants among the classified advertisements.

THE MOSBÆK GREENHOUSE CO., ONARGA, ILL.

PALMS.

Areca Lutescens, Cocos Weddelliana
Kentia Belmoreana, Kentia Forsteriana

HOME GROWN

WRITE FOR PRICES

Joseph Heacock Company, Wyncote, Pa.

Cycas Stems

NEW STOCK ALL SIZES

Prices: 100 LBS. @ 8¢, 200 LBS. @ 7¾¢, 500 LBS. @ 7½¢

VAUGHAN'S SEED STORE,
CHICAGO, 84-86 Randolph St. NEW YORK, 14 Barclay St.

Neph. Whitmani

2¼-inch.....................$ 5.00 per 100
3½-inch..................... 25.00 per 100

Boston Ferns 2¼-inch, $3.00 per 100.

Henry H. Barrows & Son, WHITMAN, MASS.

BOSTON FERNS.

3-in pots, $1.00 per doz.; $7.00 per 100.
4-in pots, 1.50 per doz.; 10.00 per 100.
5 in pots, 4.00 per doz.; 25.00 per 100.

WHITMANI FERNS

3-in pots, $1.00 per doz.; $7.00 per 100.
4 in pots, 1.50 per doz.; 10.00 per 100.
——Cash please——

Muskogee Carnation Co, Muskogee, Okla.

WHITTIER, CALIF.—A flower show with prizes for the school children exhibiting the best blooms, as well as for other exhibitors, whose flowers are found worthy, is to be one of the principal events of the next club year. The club women voted without a dissenting voice in favor of the affair at their meeting April 15, much enthusiasm over the proposal being shown. The show will probably be held during chrysanthemum season.

Kentia Forsteriana

MADE UP PLANTS.

Fine, Clean, A1 Stock.

8 in. pot, 3 to 4 ft. high........$2.00 each
10-in. pot, 4 to 5 ft. high........ 4 00 each
10-in. pot, 5 to 6 ft. high........ 6 00 each
12-in pot, 5 to 7 ft. high........ 8 00 each

HEISS, Florist,
112 S. Main St., DAYTON, O.

Whitmani Ferns....

Good strong plants ready for a shift at bargain prices.

	Per 100	Per 1000
2 -inch at	$3.50	$30.00
2½-inch at	5.00	45.00

Cash with order.

Randolph & McClements,
Baum and Beatty Sts., PITTSBURG, PA.

Ferns THAT ARE WORTH THE MONEY. See List...........

ASTERS. Seedlings, $1.00; out of flats, $2 00, and 2 and 2½ in.; true to color.

ROSES. We have a thousand fine Killarney in 3-in., and others. Fine stock. Order Roses now for June shipment in 3 or 3½-in. pots. Write for list.

GEO. A. KUHL, Wholesale Grower, **Pekin, Ill**

ROOTED CUTTINGS. Prepaid per 100. Heliotrope German Ivy, 75c; Alternanthera 50c; Coleus, Ageratum 60c; Salvia 85c, Fuchsia, $1.00. Seedling **Verbena,** Mammoth mixed 35c per 100, prepaid, Cash. Special price on 1000. List Free.
SHIPPENSBURG FLORAL CO. Shippensburg, Pa

Cleveland.

MARKET OVERSTOCKED.

Business since Easter has been unusually dull; great quantities of stock were forced on the wholesale market, much of which was sold at a very low figure. All stock is exceptionally fine, especially roses, sweet peas and carnations. American Beauty roses are above par and the price on this stock is so low that it actually creates a demand. One would think that, after the Lenten season, society would come out in all its glory, but not so during the past week. Had it not been for several small weddings and two larger funerals, there would have been practically nothing doing. Everything is quiet, even the street venders complain of not being able to dispose of their stock at extremely low prices. As a result the market is so badly over stocked that the buyer has the privilege of buying at his own price. Outdoor daffodils are coming in large quantities.

C. M. Wagner, Euclid avenue, had the decorations for the Morris-Everett wedding. American Beauty roses and white lilac were used in abundance.

The Cleveland Florists' Exchange is handling some exceptionally fine American Beauty roses grown by the Lamborn Floral Co., Alliance.

Visitors: D. R. White, Sandusky; F. J. Stehle, Lorain; M. Shattles, New York. FORESTER.

LARGEST STOCK OF ALL

Belgian Plants

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

LOUIS VAN HOUTTE, PERE,

GHENT, BELGIUM.

..BOSTON FERNS..

2-inch, 3c; 2½-inch, 4c; 3-inch, 6c; 4-inch, 10c.

Asparagus plumosus, 2-inch, 3c.
Asparagus Sprengeri, 3-inch, 4c; 5-inch, 10c.

Chatogue Greenhouses,

MOBILE, ALA.

Berkshire Petunia

A fine, free flowering, fringed pink double Petunia. Flowers measuring 3 inches across; a most valuable acquisition, with no "fancy" price attached.

ROOTED CUTTINGS,

$2.50 per 100; $20.00 per 1000; 500 at 1000 rates.

Stock grown at and sent from Pittsfield, Mass.

S. S. SKIDELSKY

1731 N. 18th St., Philadelphia, Pa.

Alternantheras, red, yellow and Brilliantissima from soil. Sept. struck...70c per 100; $6.00 per 1000; $45.00 per 10,000. Equal to 2-in., to clean them up.

Salvias Bonfire, St. Louis...$1.00 per 100. $8.00 per 1000

Coleus a grand collection (named) 70c per 100; $6.00 per 1000.

Heliotrope, 10 best varieties.... $1.00 per 100; $8.00 per 1000.

Petunias, Dreer's and Henderson's $1.25 per 100; $10 per 1000.

Vincas Variegated $1.25 per 100; $10 per 1000

Express Prepaid on all Rooted Cuttings and satisfaction guaranteed.

C. HUMFELD, Clay Center, Kas.

OECHSLIN'S FERNS.

BOSTON FERNS.

Nice bushy plants.	Per doz.	Per 100
6-in. pots	$ 6 00	$50 00
7-in. "	9 00	
8-in. "	12 00	

Nephrolepis Whitmani
9-in. pots, $2.00 each.

FERNS FOR DISHES.

Six leading varieties.
Strong bushy plants.

	Per 100	Per 1000
2-inch pots	$ 3 00	$ 25 00
	Per doz.	Per 100
3-inch pots	$ 0 75	$ 6 00

Cyrtomium Falcatum

Holly Fern. Strong plants.

	Per doz.	Per 100
4½-in. pots	$ 2 00	$15 00
5-in. "	3 00	25 00
6-in "	5 00	

Dracena Indivisa
Fine plants for Baskets and Vases.
5-in. pot plants, per doz. $3.00; per 100 $20.00
6-in. 50c; 7-in. 75c.

Eurya Latifolia
Fine Variegated Plant for Decorating.
24 to 30 inches high, $1.25 each.

Fern Hanging Baskets.

Anna Foster
Well grown and drooping $2.00 each.

Pteris Wimsetti and Ouvrardi
Strong and bushy, 4½-in. pots, $2.00 per doz.; $15.00 per 100.

Asparagus Plumosus

Strong bushy plants, ready to shift.

	Per doz.	Per 100
4½-in. pots	$ 1 50	$ 12 00
5 in. " 3 in a pot	3 00	20 00
6-in. " 3 "	6 00	

Asparagus Sprengeri

Strong plants, fine for Hanging Baskets.
4-in. pots $1.50 per doz.; $12 00 per 100.
6-in. pots, 3.00 per doz.; 25.00 per 100.

Aspargus Sprengeri Baskets
12 and 14-in. $1.50 and $2.00 each.

Cocos Weddelliana
3-in. pots.....per doz. $2.50; per 100 $20.00
5-in. " ...4 in a pot, 75c each; $9.00 per doz.

Pandanus Veitchii
Strong and well colored.

5-in. pots	$1.00 each.
5½-in. pots	1.25 each
6-in. pots	1.50 each

Primula Obconica Grandiflora Rosea

STRONG PLANTS.

4-in. pots, strong plants in bloom.....$1.50 per doz.; 12.00 per 100

TERMS STRICTLY CASH WITH ORDERS.

FRANK OECHSLIN, 2572 West Adams Street, **Chicago, Ill.**

Formerly GARFIELD PARK FLOWER CO.

Extra Fancy Carnation Blooms

Shipped direct to all points. Special attention to telegraph orders. Give us a trial and be convinced.

J. D. THOMPSON CARNATION CO., Joliet, Ill.

CARNATIONS

READY MAY 11th. Per 1000

White Perfection	$20.00
Pink Imperial	30.00
Winsor	40.00
Enchantress and J. Haines	10.00

GERANIUMS

Ready May 4th: S. A. Nutt. Poitevine, Ricard Viaud, Castellane and Perkins at $10.00 per 1000.

Asparagus Plumosus, ready for 3-inch now at $30.00 per 1000.
Asparagus Sprengeri and **Smilax,** ready June 1st at $15.00 per 1000.

ALBERT M. HERR,
Lancaster, Pa.

Sprengeri, 2-in. 2c **Swainsona alba,** 2-in., 2c, **Heliotrope,** 2-in. 2c. **Feverfew,** 2-in. 2c. **Coleus,** 2-in. 2c. **White Ageratum,** 2½-in. 2c. **Feverfew,** nice young plants. 75c per 100. single **Hollyhock,** field, $2.50 per 100. 2-in. **Stock** 2c. Stock **Princess Alice, Cuphea, Alternanthera,** red and yellow, **Vinca Variegata, Fuchsia, Artillery Plant,** 2-in. 2c. **Asters,** earliest, lavender, 40c per 100. **Forget-me-nots** and **Double Daisies,** $2.50 per 1000.

Rooted Cuttings prepaid per 100: **Flowering Begonias,** $1.25 per 100: **Paris Daisies,** yellow and white, $1.00 per 100: Alexandra $1.25. **Petunia,** double, 10 kinds $1.00: **Swainsona Alba,** $1.00. **Cuphea,** 75c. **Heliotrope,** 3 kinds $1.00. **Fuchsia,** 5 kinds, $1.25. **Vinca Variegata,** 90c. **Alternanthera,** 3 kinds, 50c. **Coleus,** 10 kinds, **Ageratum,** White, Inimitable, 60c. **Salvia,** Bonfire, 90c. **Feverfew,** Gem, $1.00. **Parlor Ivy,** 75c.

Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

FIRST-CLASS STOCK.

100,000 Geraniums. most in bud and bloom, 8 varieties, strong 3-in., $4.00 per 100; $35.00 per 1000. Strong 3½-, 4-in. $5.00 per 100; $45.00 per 1000.
Vinca Variegata, 3½- and 4-in. $60.00 per 1000.
M. Verbenas, Lobelia, trailing and compacta, **Ageratum,** blue. **Salvia,** Bonfiire and Spl. **Coleus** 12 varieties, $1.75 per 100; $15.00 per 1000; 3-in. $2.50 per 100.
Begonia Vernon, strong, 3-in. $4.00 per 100; $35. per 1000.
German Ivy, Dreer's single fringed **Petunias, Heliotrope,** bushy, 3-in. $3.00 per 100.
Cannas, 3-in. $4.00 per 100. Cash.

WM. S. HERZOG, Morris Plains, N. J.

NEW VIOLET BOSTON.

In introducing this new variety to the trade I wish to state that I have been growing it in quantity for the past two years and do not hesitate to state that it is entirely distinct, a strong grower, a free bloomer and the finest single violet in cultivation. Ready for distribution in April and May. Orders booked now. **$2.00** per doz.; **$12.00** per 100; **$100.00** per 1000. 500 at 1000 rates.

WILLIAM SIM, Cliftondale, Mass.

Milwaukee.

ROSES A GLUT.

The rose glut which started at Easter is still with us and stock is selling at a very low figure, especially the short grade. Carnations are cleaning up fair but at reduced prices. Bulbous stock of all kinds is in overabundance with poor chances of cleaning out. Green is moving very well considering the condition of the other stocks. Violets are nearing their end and most likely will be out of the market within a week or two.

NOTES.

James Chàcona had a large assortment of baskets, horseshoes, etc., for the mayor and newly elected aldermen last Tuesday. One horseshoe measured six feet and was composed of American Beauty roses.

Easter Lilies in Pots
OR CUT BLOOMS.

ROSES

Mrs. Potter Palmer 2½-in., $15.00 per 100; $125.00 per 1000: 2000 or over $100.00 per 1000, R. C. "Palmer" $8 00 per 100

Cardinal 2½-in., $6.00 per 100; $55.00 per 1000;

American Beauty R. C. $30.00 per 1000; 2- and 2½-in. $6 00 per 100, $55.00 per 1000.
Maids, Brides, Richmond, Sunrise, Kaiserin, Uncle John, 2½-in. $4.50 per 100; $40.00 per 1000.
Benched Beauty Plants, $55.00 per 1000.

CARNATIONS

R. C. Winsor, White Enchantress, Beacon, $5 00 per 100; $45.00 per 1000 Rose Pink Enchantress and Enchantress, $2.50 per 100.

Aristocrat, 2½-in, $6.00 per 100. Maybelle, Victory, Enchantress, White Lawson and Variegated Lawson 2- and 2½-in. $3.00 per 100

CHRYSANTHEMUMS Special 10% discount after April 4th. Ask for price list. We grow the best commercial varieties only. R. C. and 2½-in. now ready.

POEHLMANN BROS. CO., Morton Grove, Ill.

Rooted Carnation Cuttings

	Per 100	Per 1000
Enchantress	$ 1 75	$ 15 00
Mrs. T. W. Lawson	1 50	12 00
Boston Market	1 50	12 00
Rose Pink Enchantress	3 00	25 00
White Perfection	3 00	25 00
White Enchantress	6 00	$ 50 00
Winsor	6 00	50 00
Beacon	6 00	50 00
Harlowarden	1 50	12 50
Aristocrat	6 00	50 00

CHRYSANTHEMUMS.

WHITE.	Per 100
W. H. Chadwick	$2 00
White Bonnaffon	1 50
October Frost	1 50
Estelle	1 50
Clementine Touset	1 50
Jeanne Nonin	1 50

YELLOW.	Per 100
Golden Chadwick	$2 00
Major Bonnaffon	1 50
October Sunshine	1 50
Monrovia	1 50
PINK.	
Dr. Enguehard	1 50
Glory of Pacific	1 50

Satisfaction Guaranteed. **A. F. LONGREN, Des Plaines, Ill.**

CARNATIONS ROOTED CUTTINGS.

Aristocrat	Per 100, $ 5 00	Enchantress	Per 100, $ 2 00
Winsor	" 5 00	Lady Bountiful	" 2 00
Perfection (White)	" 2 75	Victory	" 2 75

Rose Pink Enchantress, $2.75 per 100.

SALVIA ZURICH. The Ever-blooming Salvia. Rooted cuttings, $1.75 per 100; 2-in. $3.00 per 100.
The Salvia Zurich was first introduced by us.

PERENNIAL GARDENS CO., Toledo, Ohio.

Afterglow

Strong Rooted Cuttings now ready,
$12.00 per 100; $100 per 1000.

R. WITTERSTAETTER,
(Originator)
Station F. CINCINNATI, O.

Jensen & Dekema

CARNATION SPECIALISTS

674 W. Foster Ave., CHICAGO.

Mrs. Ennis, who recently started a new flower store in the Caswell building is very well satisfied with the business done there; she is able to dispose of large quantities of stock.

Holton & Hunkel Co. is receiving some extra fine lily of the valley and carnations; also very heavy shipments of roses. H.

CARNATIONS

Rooted Cuttings. Healthy stock.

	Per 100	1000
Winsor, Helen M. Gould, Beacon	$6.00	$50.00
White Enchantress	7.00	60.00
Melody, Victory	4.00	
Enchantress, Lady Bountiful, Red Lawson, Variegated Lawson, White Lawson, Daheim	3.00	25.00
Mrs. T. W. Lawson, Boston Market	2.00	15.00

Send for Catalogue.

WOOD BROTHERS
FISHKILL, N. Y.

JOHN E. HAINES,

BETHLEHEM, PA.,

is the place to order rooted cuttings of the following varieties for 1908.

	Per 100	Per 1000
John E. Haines, red	$6.00	$50.00
Imperial, variegated	6.00	50.00
Pink, Pink	6.00	50.00
Enchantress, Light pink	6.00	50.00

Chrysanthemums.

The three best novelties for commercial growers, **Golden Glow, Pacific Supreme** and **White Cloud,** 25c each; $20.00 per 100.

Also any of the Foreign Novelties at above rates.

The best collection of **Pompons** for florists' use, $2.50 per 100; $20.00 per 1000.

Best **Commercial Sorts** for general use we quote as follows:

NOTICE. Not less than 5 plants of a kind at hundred rates.
Rooted cuttings. Not less than 25 of a kind at hundred rates.

	R. C. 100	Per 1000	2½-in. 100	Per 1000
WHITE.				
Yanoma	$2 50	$20 00	$3 50	$30 00
J. Nonin	2 50	20 00	3 50	30 00
W. H. Chadwick	2 50	20 00	3 50	30 00
Fidelity	2 50	20 00	3 50	30 00
PINK.				
Jno. Burton	2 50	20 00	3 50	30 00
Maud Dean	2 50	20 00	3 50	30 00
YELLOW.				
Golden Wedding	2 50	20 00	3 50	30 00
WHITE.				
Alice Byron	2 00	17 50	2 50	22 50
Clementine Touset	2 00	17 50	2 50	22 50
Mrs. H. Weeks	2 00	17 50	2 50	22 50
Polly Rose	2 00	17 50	2 50	22 50
Mrs. H. W. Buckbee	2 00	17 50	2 50	22 50
Ivory	2 00	17 50	2 50	22 50
Mrs. H. Robinson	2 00	17 50	2 50	22 50
Oct. Frost	2 00	17 50	2 50	22 50
Tim. Eaton	2 00	17 50	2 50	22 50

	R. C. 100	Per 1000	2½-in. 100	Per 1000
WHITE,				
Silver Wedding	$2 00	$17 50	$2 50	$22 50
White Bonnaffon	2 00	17 50	2 50	22 50
PINK.				
Mayor Weaver	2 00	17 50	2 50	22 50
Lavender Queen	2 00	17 50	2 50	22 50
Wm. Duckham	2 00	17 50	2 50	22 50
Lucy Evans	2 00	17 50	2 50	22 50
Dr. Enguehard	2 00	17 50	2 50	22 50
Roserie	2 00	17 50	2 50	22 50
Ialene	2 00	17 50	2 50	22 50
YELLOW.				
Robt. Halliday	2 00	17 50	2 50	22 50
Sunburst	2 00	17 50	2 50	22 50
Col. D. Appleton	2 00	17 50	2 50	22 50
Monrovia	2 00	17 50	2 50	22 50
Yellow Jones	2 00	17 50	2 50	22 50
Maj. Bonnaffon	2 00	17 50	2 50	22 50
Mrs. O. P. Bassett	2 00	17 50	2 50	22 50
RED.				
Cullingfordii	2 00	17 50	2 50	22 50

A complete list of singles, both new and old, at most favorable terms.

The best **Hardy Varieties,** $3.00 per 100.

We grow many other good commercial kinds not mentioned above.

If any special varieties are desired forplanting, the order should be placed at once.

While we shall have **HALF A MILLION CHRYSANTHEMUMS** for May and June delivery, yet there is always a shortage of many kinds.

ELMER D. SMITH & CO., Successors to Nathan Smith & Son, **Adrian, Mich.**

Columbus, O.

EVERYTHING CLEANED UP.

The Easter trade this year was equal to any previous year in the history of this city. Everything was cleaned up, both cut flowers and plants. Azaleas and rhododendrons sold well and brought good prices, ranging from $1.50 to $3 for azaleas and $2.50 to $4 on rhododendrons. Spireas and small pot plants sold well also. Owing to the warm weather here several weeks ago, it was very hard to keep back lilies and bulbous stock. However, everything was in fine shape although some bulbous stock was rather soft. Prices on cut flowers were as follows: Tulips and daffodils 75 cents; hyacinths $1.50; violets $3; carnations $1.25 and roses $2 to $4 per 100. Rainy weather on Saturday did not seem to affect sales in the least. Spring work is on with a rush now, the outside work being very heavy.

This enchanting time of year may cause spring poets to muse and dream of the beauties of nature, but at present writing, no florist has been observed indulging himself thus, in fact they can't get enough time even at night to dream. This is developing itself into one of the most prosperous spring seasons in the history of the trade. The call for outside work is incessant and urgent, warm weather helping make it all the more so. Funeral work has been very plentiful during the past week, and several after-Easter weddings also added to the amount of cut flower work. Bulbous stock is getting very soft now and can hardly be recommended to customers. Outside stock is somewhat stronger, but is not up to standard. Violets are also quite soft now and the demand is falling off considerably with the advent of outdoor flowers. Carnations are somewhat inclined to go sleepy, but the stock is still very good. Roses are quite plentiful and of good quality.

CHRYSANTHEMUMS.

Monrovia, October Sunshine, F. A. Cobbold, Mrs. T. W. Pockett, Col. Appleton, Nellie Pockett, Cheltoni, Lady Hopetoun, White Coombes, Ben Wells and others now ready at $3.00 per 100, $25.00 per 1000; 2¼-in. pots.

If your stock is run down try some of mine and see the difference next fall. Lots of the new singles now ready.

You got my 'mum list, of course?

CHARLES H. TOTTY, Madison, N. J.

NOTES.

The Livingston Seed Co. had something new in window display this week. A very attractive "merry widow" hat trimmed with flowers adorned the window and attracted the attention of thousands as they passed.

Fifth Avenue Floral Co. had a fine Easter display in a store room on N. High street. The supply of plants was quite large.

C. A. Roth reports a good Easter trade, and, in fact, all the retail florists seem to have enjoyed a good trade this year. CARL.

CLINTON, MASS.—Patrick Burke, employed by Edward W. Breed, has been reappointed by the board of selectmen as forest warden. With Chairman Cannon of the board he has been to Boston to confer with the state forester and at a recent session of the board there was further discussion of the duties which attach to the office, to the matter of the remuneration of Mr. Burke and to an adjustment of his duties.

Chrysanthemums

Now is the time to get ready for your 'Mums. If you want the best money making varieties and the best stock procurable, send or write to

GUNNAR TEILMANN
Marion, Ind.

HARRISBURG, PA.—The long tulip bed in front of the Capitol has been much admired. It is the largest in this part of the state, containing over 4,000 plants, most of which are in bloom. There are other flowers in this bed, which will bloom when the tulips have gone.

Easter Trade Reports.

HAMILTON, ONT.—E. G. Brown & Son report a 25 per cent increase in trade, with prices about the same as last year. There was a good supply of everything, but carnations cleaned out first. Pot lilies were most in demand and Marguerites and large pans of hyacinths sold well. In cut flowers, roses, carnations, daffodils and Murillo tulips sold best. Altogether it was the best Easter this firm has had.

SAN RAFAEL, CALIF.—Laurel Grove Nursery reports an increase of about 20 per cent and prices from 10 to 20 per cent higher than those of last year. The demand for plants was very good, but no cut flowers are grown. In plants the best demand was for ferns, palms and roses.

NEW ORLEANS, LA.—Abele Bros. report a falling off of 10 per cent in their sales, with prices about the same as last year. Good flowering plants were short, owing to the hot weather previous to Easter. Pot lilies were the best sellers and there was little demand for palms and ferns.

BRIDGEPORT, CONN.—James E. Beach reports a falling off in trade of 15 per cent. Plants were not too plentiful and prices were well maintained but the price of cut flowers was rather lower than last year and carnations were the only short item. Roses and violets sold well.

HELENA, MONT.—A 20 per cent increase is the report of the State Nursery Co. More cut flowers and plants were sold than ever before. Spireas were the least salable in plants, but lilies, azaleas and hydrangeas sold well. Pot roses were also well done and sold readily.

DENVER, COLO.—A falling off of 10 per cent is reported by the Park Floral Co., although prices were lower than those of last year. Higher priced plants sold slowly and violets were poor, owing to the warm weather. There was plenty of cut flowers and pot plants.

SAN ANTONIO, TEX.—A 50 per cent increase in sales, at prices about the same as last year, is the report of Geo. C. Baker. Neither plants or cut flowers were equal to the demand, and carnations, roses and lily of the valley were especially asked for.

OGDEN, UTAH.—A 50 per cent increase in sales is reported by F. J. Hendershot. Cut flowers were short but there was plenty of plants. Flowering plants sold better than palms or ferns, and roses and carnations were the best sellers in cut flowers.

SALT LAKE CITY, UTAH.—A 25 per cent decrease in sales at prices about the same and plenty of stock of all kinds is the report of the Salt Lake Floral Co. The churches used very few flowers and, on the whole, it was a very poor Easter.

DUBUQUE, IA.—Harkett's Floral Nursery reports sales as probably 20 per cent higher than last year. Bulb stock was the one cheap item and all classes of cut flowers and pot plants were plentiful. The weather was ideal and helped sales.

POMONA, CALIF.—O. Roessner reports a 25 per cent increase in sales, at better prices than last year. Carnations sold better than roses and all kinds of pot plants moved freely. There was plenty of stock to meet all demands.

WASHINGTON. D. C.—Gude Bros. Co. reports trade and prices similar to last year with a good supply of plants and an over supply of cut flowers. Violets were the leaders in the latter but bulb stock did not sell.

SEATTLE, WASH.—A 25 per cent increase in sales at rather lower prices is the report of G. C. Bjorkman. Plants were scarce and sold well but there was plenty of cut flowers.

CATTLEYA TRIANÆ

JUST AT HAND,

In perfect condition, a large shipment of this profitable orchid. We offer these in cases containing about 40 plants, aggregating 450 and more bulbs, at $55.00 per case.

Cattleya Labiata

in fine shape, in cases of 400 bulbs, at $55.00.

Cattleya Mossiae

in fine condition, in cases of 40 plants, $55.00 per case.

All subject to being unsold when ordered.

LAGER & HURRELL,

Orchid Growers and Importers,

SUMMIT, NEW JERSEY.

SOUTH BEND, IND.—Aug. F. Beyer & Sons say their sales showed an increase of 40 to 50 per cent at prices about the same as last year. There was plenty of stock to meet the demands. Spireas, Baby Rambler roses and bulbous stock sold well in pots. All classes of cut flowers sold well, but there was considerable trouble with pickled stock from the wholesalers.

DAVENPORT, IA.—Sales and prices about the same as last year, with the stock in all cases equal to the demand, is the report of J. T. Temple. Small flowering plants sold well, but the more expensive ones were difficult to move. Everything considered, it was an encouraging Easter trade.

ROCHESTER, N. Y.—J. B. Keller's Sons report trade about the same as last year, but at lower prices. Cut flowers and plants were both equal to the demand and there was rather more bulbous stock than could be moved. Roses, violets, carnations and lily of the valley were the best sellers in cut flowers.

CAMBRIDGE, MASS.—Sidney Hoffman reports a 25 per cent increase in cash sales and a still larger increase in charge accounts. Prices were about the same as last year and all stock was in good supply. Pot roses were in great demand, but azaleas were not so satisfactory. Bulb stock was the best seller in cut flowers.

WILMINGTON, DEL.—A 20 per cent increase, at better prices than last year, was the report of H. P. Potter. Pink carnations were short, but there was plenty of all other stock. Rhododendrons, hydrangeas and azaleas sold best as pot plants and all classes of cut flowers sold well. Since the holiday the trade continues brisk.

VICTORIA, B. C.—Double the trade of last year is the report of the Fairview Esquimault Greenhouses at prices about the same. Plants were plentiful but many more cut flowers could have been sold. Begonias, palms and ferns were in good demand, but primulas and cinerarias did not sell as well. Violets were better sellers than roses.

FREMONT, NEB.—Greene's Greenhouses report a 35 per cent increase in sales, with prices the same as last year. "There was absolutely no indication of the financial depression and the fact that we supplied every want without buying made it the most satisfactory Easter we have had." All classes of cut flowers were in great demand and lilies were the leaders in pot plants.

KOKOMO, IND.—Easter business was good with W. W. Coles, T. L. Knipe and W. A. Bitler. All were overrun with orders, and furnished decorations at several of the churches, Coles and Bitler providing those for Grace church and Knipe those for the Main street Christian church. Mr. Coles also presented each Sunday school scholar and teacher at the Congregational with a rose.

ORCHIDS.

We advise the Growers and Private Places that our Importations will begin to arrive in a few weeks time and we will have the following: C. gigas, C. gigas Sanderiana, C. Mendelii, C. Schroederae, C. Trianae, C. Gaskelliana, C. Percivaliana C. aurea, Miltonia vexillaria, C. Mossiae, C. speciosissima, C. labiata and others. We guarantee that our plants will be extra fine with no disease or Cattleya fly and will quote the Lowest Prices in America.

ORDONEZ BROS., MADISON, N. J.

ORCHIDS.

Arrived in superb contition fine importations of Dendrobium formosum giganteum, D. Wardianum. These are elegant plants.

To arrive April 15, large importations C. gigas Sanderiana, C. labiata, C. Trianæ. A trial order will prove we carry the best stock that can be secured.

CARRILLO & BALDWIN,

Orchid Growers and Importers,

SECAUCUS, NEW JERSEY.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World.

SANDER, St. Albans, England.

NEW YORK OFFICE: Room 1, 235 Broadway. **T. MELLSTROM** Agent.

Imported Orchids

JUST TO HAND. Lælia Purpurata, Cattleya Intermedia, Cattleya Mossiæ.

JULIUS ROEHRS CO.,

The Orchid Nurseries, RUTHERFORD, N. J.

Easter Trade Reports.

LEAD, S. D.—A 20 per cent increase in sales, with prices 10 per cent better, is the report of Alex. Rose. The supply of plants and cut flowers were both equal to the demand. Rambler roses, lilies and ferns sold well, but callas, genistas and cinerarias were not so good. Carnations and sweet peas were in good demand. The weather was superb and the trade very satisfactory in every way.

UTICA, N. Y.—Wm. Mathews reports an increase of 15 to 20 per cent over last year's business, with prices about the same. Carnations sold well but bulbous stock was not much in demand. The rain on Saturday was a great drawback to the trade.

SANTA CRUZ, CALIF.—Prices and sales the same with a shortage of cut flowers is the report of W. E. King. Hardy plants were in good demand and light colors sold best in cut flowers. The fine weather helped trade.

DIXON, ILL.—O. L. Baird, reports a 15 per cent increase in sales at prices about the same and a good supply in all cases. Lilies sold well in pots and carnations were more in demand than roses, as cut flowers.

WINONA, MINN.—Ed. Kirchner reports a 50 per cent better trade than that of last year, but at lower prices. Both cut flowers and plants were well sold out, plants at 50 cents to $2 being most popular.

TERRE HAUTE, IND.—A trifle larger trade at the same prices and with all stock equal to the demand, is the report of J. G. Heinl & Son. The grand weather helped transient business.

SEDALIA, MO.—Lower prices with everything plentiful excepting lilies is the report of Gelven & Son. Trade has been slack on account of railroad shops closing down.

OAKLAND, CALIF.—Domoto Bros. report a 15 per cent increase in sales at prices about the same and the supply in all cases equal to the demand.

DANBURY, CONN.—Jos. E. Cornell & Co. report a falling off of 50 per cent, with an over supply in all lines.

Alternantheras.

Strong rooted cuttings. P. Major (red). A. Nana (yellow). 50c per 100; $4.00 per 1000.

J. W. Davis & Co.
2900 Brady St., Davenport, Iowa.

Alternantheras.

Strong rooted cuttings, red and yellow, 50c per 100. or $4.00 per 1000.

DAVIS BROS., Morrison, Ill.

Specials this Week

at KUHL'S, Pekin, Ill.

Ageratum, blue and white. Extra **Feverfew.**
Salvias, 2, 2½, 3 and 4-in.
Fuchsias, 2, 2½ and 4 in.
Coleus, 2-in. yellow, Verschaffelti and fine mixed.
Rex Begonias, 6 to 10 varieties.
Blooming Begonias, 6 to 10 varieties.
Petunias, 2, 3 and 4-in., 4 varieties.
Geraniums, 2½, 3 and 4 in., red, white, pink and salmon. **Cannas,** true to name.
Daisies, Marguerite Queen Alexandra, Yellow Anthemis. **Impatiens Sultani,** 2½ and 3 in
OTHER SOFT WOODED PLANTS.

GERANIUMS

Good strong stock From 2-in. pots.

	Per 100	1000
Centaure, Double Genl Grant, El Chid, Miss Kendall, S. A. Nutt, Granville, Jacquerie, Mrs E. G Hill, etc.....	$ 2 00	$ 18 50
Alph. Ricard, Berthe de Presilly Jean de la Brete, Alice of Vincennes, etc.....	3 00	25 00
Double Dryden, E. H. Trego, Peter Henderson, Telegraph etc.....	$ 4 00	$ 35 00
Eugene Sue Mrs Lawrence, Paul Crampel Mistral Jean Oberlee, Col Thomas, etc....	6 00	50 00
Rose, Nutmeg, Oak leaved and Balm.....	2 00	

SPECIAL OFFER:

We have about 10,000 extra good strong plants, little lots of a kind, the odds and ends of the seasons accumulation, single and double, which we offer as long as they last at $15.00 per 1000; $8.00 for 500 not less than 500 at this price These would make good Decoration Day stock.

S. A. Nutt, Double Genl. Grant, La Pilote, Granville and other good bedding kinds, from 3-in pots, $3.50 per 100.

PELARGONIUMS In good variety 3-inch pots, $1 50 per dozen, $6.00 per 100.

DAHLIA ROOTS Whole field clumps at $5.00 per 100 and up. Send for list.

HARDY CHRYSANTHEMUMS A splendid collection of 75 of the very best varieties, small flowered or Button kinds, $2.00 per 100; large flowered or Aster flowered, $3.00 per 100.

DAHLIA PLANTS From 2-in. pots ready for shipment, at $2.00 per 100 and up. We will send 1000 in 20 good varieties, our selection for $18.50

	Per 100
Ageratum, Stella Gurney.....	$2 00
Begonia, Vernon White and Rose.....	2.00
" Gracilis White and Rose	2.00
" Rex, 2-in. pots.....	2.00
Cuphea, Cigar plant	2.00
Coleus, Verschaffeltii, Golden Bedder, and other kinds.....	2.00
Fuchsias, Black Prince and Minnesota...	2.00
Lieutenant Muritz, White and Rose Phenomenal.....	2.50
Hardy English Ivy, extra strong..... $15.00 per 1000	2.00
Nymphea Odorata Gigantea, Water lily	3.50

	Per 100
Hollyhocks, strong 3-in. pot plants, dbl. white, pink, red and yellow.....	$3.00
Hardy Phlox, Andreas Hoffer.....	2.00
Ivy Leaved Geraniums, 6 good kinds $25,00 per 1000	$3.00
Lobelia, Crystal Palace Gem.....	2.00
Lobelia, Kathleen Mallard, 2-in.....	3.00
Lavender, 2½-in. pots, strong.....	3.00
Swainsona alba.....	2.00
Tradescantia, dark variegated	2.00
Verbena red, white purple and pink.....	2.00
Rubber Plants, Ficus elastica, per doz...	2 00

Visitors always welcome. Cash with order.

R. Vincent, Jr. & Sons Co., WHITE MARSH, Balto Co., MD.

GERANIUMS.

One of the best things in the market, the **American Beauty** Geranium, a clear bright cerise just about the color of a good Pink Lawson carnation. The habit is very pleasing, rather dwarf and very stocky, It is a common thing to see 4 to 6 large bunches of flowers on a plant in a 3 to 5-in. pot. Clusters average 4 to 5 inches in diameter. It is a very free bloomer; we think it is freer than any we grow and we grow a great many Geraniums. We grow 8 to 10 varieties. Stock of American Beauty is extra fine but limited as to quantity.

We offer you

2-in	**Pot Plants at**	**$ 6.00**	**per 100**
3-in.	" " "	**10.00**	"
4-in.	" " "	**18.00**	"
5-in.	" " "	**25.00**	"

the 4- and 5-in. pots are very stocky and bushy; have 3 to 5 large flowers on now..

OFFERLE & SCHAAL, Erie, Pa.

Rex Begonias

Ready to Hand Over the Counter.

Will not have to be kept in stock for a few weeks to become salable, but will sell on sight. We get duplicate orders; no complaints.

Flowering varieties, Carnot, Thurstoni, Olbia, Metallica, Rubra, etc., 2½-in., strong, $4.00 per 100. $ 6.00 buys 100, assorted, from 3 and 3½-in. pots. $10.00 buys 100, assorted, from 4-in. pots.

Fancy Coleus, 2½-in., stroug, $2.50 per 100.

HERMS FLORAL CO.,
713 Chillicothe St, **PORTSMOUTH, OHIO.**

FOR THE TRADE.

	Per 100
Chrysanthemums 20 good com. varieties, 2¼-inch according to variety	$2 00$ 3 00
Cannas 10 good French varieties, moss-rooted.....	5.00
Vinca variegated and green 4-in. 10 00; 3-in.	5,00
Cobeas, 3-inch	5.00
Coleus, about 15 best bedding varieties 3- and 2-inch.....	$3.00 2.00
Salvias, Ragueneau St. Louis, Bonfire 3- and 2½-in	$5.00 3.00
Smilax, 3- and 2 in.....	$3 00 2 00
Alyssum, 2-in,...	2,00
Ageratum dwarf blue, 2½-in.....	3.00
Verbenas 2½- and 2-in. in bloom.....	$3.00 2.00
German Ivy, 2½-in.....	2,50

SCHMALZL & HEMBREIKER,
West End Greenhouses. Lincoln, Ill.

Plants from 2½-in. Pots at 50c per doz., $3.00 per 100.

Acalypha, Asparagus Sprengeri, Abutilon Savitzi, dwarf Alyssum, Ageratums, Princess Pauline, Inimitable, Blue Perfection, Bouvardia Humboldtii, Feverfew Little Gem, Heliotropes, dark blue and white, Fuchsias, 4 varieties, Gazania Splendens, Cupheas, double Petunias, Lobelia Emperor William, variegated Ice-plant, variegated Glechoma, Salvias, Zurich, Bonfire, Hydrangea Otaksa and Thos. Hogg; Rosemary, variegated Periwinkle; Geranium, Mrs. Parker; Moschosma riparium, Impatens Sultani and Holstii, Swainsona alba, white Moonflower, Forget-me-not, Saxifraga sarmentosa, Parlor Ivy, Umbrella Plants, Ferns.

Carnations, Robt. Craig, Elbon, Gov. Wolcott, Boston Market, Flora Hill, Enchantress. These are strong bushy plants and have been kept in cold frames four weeks. 2½-in. pots $3.00 per 100. Rooted cuttings from soil, $2.00 per 100; Robt. Craig, Elbon, Gov. Wolcott, Flora Hill, Boston Market, Joost.

Dracaena indivisa, Asparagus Plumosus and **Sprengeri,** seedlings from flats at $1.00 per 100.

Clematis, large flowering varieties, 2-year-old plants, red, purple and white, $3.00 per dozen. Clematis paniculata, 4-in. pots, $1.50 per dozen, $10.00 per 100; 3-in. pots, $5.00 per 100.

Honeysuckle, Halleana and Red Trumpet, strong plants, $1.50 per dozen, $10.00 per 100.

Ampelopsis Veitchii, 4-in. pots, 2-year-old plants, $1.50 per dozen, $10.00 per 100; 3-in. pots, $5.00 per 100.

Ivy, hardy English, 4-in. pots, $1.50 per dozen $10.00 per 100; 3-in. pots, $5.00 per 100.

Cash with order please.

C. EISELE, 11th and Westmoreland Sts. PHILADELPHIA, PA.

Rooted Cuttings

	Per 100	Per 1000
Coleus, plenty of variety.....	$ .70	$ 6.00
Heliotrope, Salvias,.....	1.00	8 00
Petunias, double.....	1.25	10.00
Alyssum, double.....	1.00	8.00
Ageratums, ...	.60	5.00
Pelargoniums,.....	2 50	

Everything named. Express paid. Cash with order

S. D. BRANT. The Clay Center Florist, CLAY CENTER, KAS.

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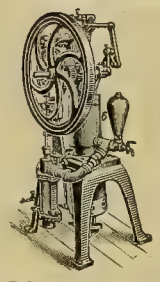
Garden City Sand Co.

Security Building, CHICAGO.

BUILDING AND PROPAGATING SANDS.
Fire Brick and Fire Clay.
Portland Cement.
Hard Wall Plaster.

R. I. W. DAMP RESISTING PAINT.
PHONES: Main 4827. Automatic 2827.

We contemplate moving to 208-9-10-11 Chamber of Commerce building, 134 Washington St. corner La Salle St., this city, on May 1st.



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Water Supply

Best secured by the ECONOMY Hot Air PUMPING ENGINE. pumping direct or in conjunction with any kind of tank. No depending on the wind or unreliable machinery which fails when most needed. Use any convenient fuel. Simple as a stove. Send for Free Book.

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24 So. Carpenter Street, CHICAGO.

Wired Toothpicks

10,000, $1.75; 50,000, $7.50. Manufactured by

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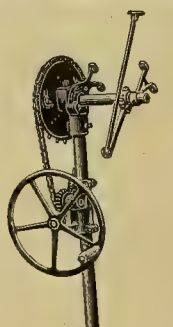

The Advance Ventilating Apparatus

Our pull is the merit of our line. Sold a Utica florist a machine last September. Shipped his neighbor florist three machines last Monday. The same day brought us an order for 7 machines from Tacoma, Wash. We sold this man 8 machines last year. The line does the work easy, lasts and is very neat. Give us a trial.

THE ADVANCE CO.
RICHMOND, IND.

METROPOLITAN MATERIAL CO.

GREENHOUSE WRECKERS

Look at these Prices

GLASS New American 50-ft. to box, 10x12 single, $1.60 per box; 10x12, 12x12 B Double, $2.00 per box; 12x14, 12x20 and 14x14, 14x20 and 16x16, 16x18 B Double, $2.15 per box; 16x20, 16x24, 12x24 B Double, $2.26 per box. In lots of 10 boxes or more Discount on large quantities.

Let us quote you on

Cypress Material, Hot Bed Sash, Boilers, Fittings, Pipe.

1398-1408 Metropolitan Ave. Brooklyn, N. Y.

AMERICAN FLORIST ADS ALWAYS DO BUSINESS

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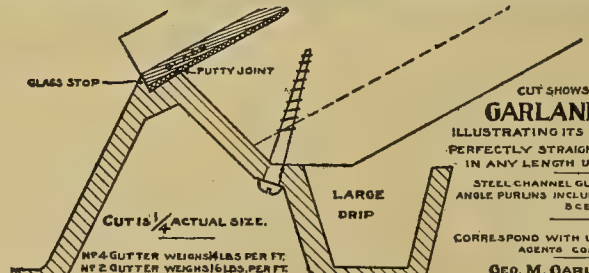

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Ageratum, Little Blue Star, true dwarf, R. C., 75c per 100; 2¼-in., $2 per 100; $18 per 1,000. Mosbæk Greenhouses, Onarga, Ill.

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Ageratums, R. C., White Inimitable, 60c; white, 2½-in., 2c. Byer Bros., Chambersburg, Pa.

Ageratum, blue, $1.75 per 100; $15 per 1,000; 3-in., $2.50 per 100. Wm. S. Herzog, Morris Plains, N. J.

Ageratum, dwarf blue, 2½-in., $3 per 100. West End Greenhouses, Lincoln, Ill.

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Alternantheras, four of the best, R. C., 50c per 100; 2¼-in., $2 per 100; $18 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

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Alternantheras, R. C., red and yellow, 50c per 100; $4 per 1,000. Davis Bros., Morrison, Ill.

Alternantheras, red and yellow, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

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Ampelopsis Veitchii, strong, well rooted plants, 20 to 30-in. tops, well graded, $2.50 per 100; $20 per 1,000; 1-year-old for transplanting; 12 to 24-inch, $1.50 per 100; $12 per 1,000; 2,000 for $20. For sample send 25c, which will be credited on the first order. Charles Black, Hightstown, N. J.

Ampelopsis, quinquefolia, 3-yr., $15 per 100. Ampelopsis Veitchii, 3 to 4 ft., $15 per 100; 2 to 3 ft., $12; 18 to 24 ins., $10. Vaughan's Seed Store, Chicago and New York.

Ampelopsis Veitchii, 4-in., 2-yr., $1.50 per doz.; $10 per 100; 3-in., $5 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

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Araucarias, 4-in., 50c each; 5-in., 75c; 6-in., $1. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Araucarias. L. Van Houtte, Ghent, Belgium.

ASPARAGUS.

Asparagus plumosus, 2½-in., $3.50 per 100; $30 per 1,000; 3-in., 6c; 3½-in., 10c; 4-in., 12c; 5-in., 20c; 6-in., 30c. Comorensis, 2-in., 2c; 2½-in., 3c; 3½-in., 6c. Sprengeri, 2½-in., 3c; 3½-in., 8c; 4-in., 10c. J. W. Dunford, Clayton, Mo.

Asparagus plumosus, 4½-in., $1.50 per doz.; $12 per 100; 5-in., 3 in. pot, $3 per doz.; $20 per 100; 6-in., 3 in. pot, $6 per doz. Sprengeri, 4½-in., $1.50 per doz.; $12 per 100. Frank Oechslin, 2572 W. Adams St., Chicago.

Asparagus plumosus and Sprengeri, fine 2-in., $3; 3-in., $5. Sprengeri, 3½-in., $6; 4-in., $7. Good big values. W. H. Gullett & Sons, Lincoln, Ill.

Asparagus plumosus, 2-in., 3c. Sprengeri, 3-in., 4c; 5-in., 10c. Chatogue Greenhouses, Mobile, Ala.

Asparagus plumosus, ready for 3-in., $30 per 1,000. Sprengeri, $15 per 1,000. A. M. Herr, Lancaster, Pa.

Asparagus plumosus, 2-in., $2.75 per 100; $25 per 1,000; seedlings, $1.25 per 100; $9 per 1,000. Wm. F. Kasting Co., Buffalo, N. Y., or Erie Floral Co., Erie, Pa.

Asparagus Sprengeri, 2-in., $2.50 per 100; 3-in., $5; seedlings, $1 per 100. Plumosus, 2-in., $3; 3-in., $5. G. M. Emmans, Newton, N. J.

Asparagus plumosus, $2 per 100; Sprengeri, $2 per 100. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, seedlings, from flats, $10 per 1,000. A. N. Pierson, Cromwell, Conn.

Asparagus Sprengeri, 2¼-in., extra strong plants ready to shift into 3½-in., $2.50 per 100. The Perennial Gardens Co., Toledo, O.

Asparagus Sprengeri, 3-in., 4c. J. D. Thompson Carnation Co., Joliet, Ill.

Asparagus Sprengeri, 2-in., 2c. Byer Bros., Chambersburg, Pa.

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Asters a specialty. Our experience enables us to select the best varieties. Queen of the Market, Vick's and Semple's Branching, from 2-in. pots, $2 per 100; $18 per 1,000. Branching from seed bed, 35c per 100; $3 per 1,000. A. C. Canfield, Springfield, Ill.

AZALEAS.

Azaleas. J. W. Dunford, Clayton, Mo.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

Azaleas. Jacs Smits, Ltd., Naarden, Holland.

BAY TREES.

Bay trees. L. Van Houtte, Pere, Ghent, Belgium.

Bay trees. W. & T. Smith Co., Geneva, N. Y.

Bay trees. Bobbink & Atkins, Rutherford, N. J.

BEGONIAS.

Begonias, Rex, asst. from 3 and 3½-in., $6 per 100; 4-in., $10 per 100; flowering vars.: Carnot, Thurstoni, Olbia, Metallica, Rubra, etc., 2½-in., $4 per 100; fancy coleus, 2½-in., $2.50 per 100. Herms Floral Co., Portsmouth, O.

Begonia Vernon, 3-in., $4 per 100; $35 per 1,000. Wm. S. Herzog, Morris Plains, N. J.

Begonias, flowering, R. C., $1.25 per 100. Byer Bros., Chambersburg, Pa.

Begonia Gloire de Lorraine, 2¼-in., $15 per 100; $140 per 1,000. Wm. F. Kasting, Buffalo.

Begonias, Rex, 2-in., $2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Begonias Rex, $5 per 100. Geo. M. Emmans, Newton, N. J.

Begonias, L. Van Houtte, Pere, Ghent, Belgium.

Rex begonias, 6 to 10 varieties. Geo. A. Kuhl, Pekin, Ill.

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Box trees, pyramidal shaped, 2 ft., base 18-ins., $1.25 each; 2½ ft., 18-ins., $1.50; 3 ft., 20-ins., $2; 3½ ft., 22-ins., $2.50; 4 ft., 2 ft., $3; 5 ft., 2½ ft., $5.50; 6 ft., 3 ft., $7. Standard or tree shaped, 24-ins., 18 to 20-ins. crown, $2 each; 24-ins., 24-in. crown, $3; 18-ins., 34-in. crown, $3.50; 24-ins., 34-in. crown, $4.50. Globe shaped, 12-ins., 3-4 in. clear stem, $1.50; 18-in., 3-4-in. clear stem, $2.25. Baby box trees, 12-18 ins. clear stem, 10-in. crown, 75c each; 12 ins., $1 each. Vaughan's Seed Store, Chicago and New York.

Boxwood, all sizes and kinds. Bobbink & Atkins, Rutherford, N. J.

Boxwood; Jacs Smits, Ltd., Naarden, Holland.

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Bulbs, tuberoses, true dwarf Excelsior strain, $1 per 100; $9 per 1,000. Begonias, tuberous rooted, single white, yellow, scarlet, pink, 35c per doz.; $2.50 per 100; double, same colors, 60c per doz.; $4.50 per 100. Vaughan's Seed Store, Chicago and New York.

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Bulbs, Phillipine lily, $1.25 per doz.; $7.50 per 100. Tuberoses, double Excelsior Pearl, 1st size, $1 per 100; $9 per 1,000. Livingston Seed Co., Columbus, O.

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Bulbs, hyacinths, tulips and narcissus. W. J. Eldering & Son, Overveen, Haarlem, Holland.

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Bulbs, Japan lilies. J. M. Thorburn & Co., 33 Barclay St., New York.

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Caladiums, 5-7 ins., $2 per 100; $15 per 1,000; 7-9, $3.50 per 100; $32 per 1,000; 9-12, $6 per 100; $55 per 1,000; 12 ins. and up, $14 per 100. Winterson's Seed Store, 45 Wabash Ave., Chicago.

CANNAS.

Cannas, Austria, Allemania, Alsace, Bouvier, Capt. Drugeon, C. Henderson, J. D. Eisele, F. Vaughan, Kate Gray, Pres. Viger, Pennsylvania, Pres. Myer, Souv. de A. Crozy, $2.50 per 100; $20 per 1,000; David Harum, $4 per 100, $35 per 1,000. Egandale (3-in. pots only) $5 per 100. King Humbert, 4-in., $25 per 100. W. W. Coles, Kokomo, Ind.

Cannas, dormant roots, Mlle. Berat, $3 per 100; Louisiana, $8; Leonard Vaughan, $5; Alsace, Beaute Poitevine, Crimson Bedder, $4; Chas. Henderson, $3; David Harum, $4; Frederick Benary, $3; Italia, $4; Burbank, Allemania, $3. Vaughan's Seed Store, Chicago and New York.

Cannas, Black Beauty, Egandale, Antoine Bouvier, Burbank, Kate Gray, $3 per 100. Buffalo Cut Flower Co., 468 Washington St., Buffalo, N. Y.

Cannas. J. M. Thorburn & Co., 33 Barclay St., New York.

Canna King Humbert, 3-in., $7.50; 4-in., $12.50. Geo. A. Kuhl, Pekin, Ill.

Cannas, leading vars., $10 per 1,000 up. Dingee & Conard Co., West Grove, Pa.

Cannas, Chas. Henderson, $2 per 100. Jos. H. Cunningham, Delaware, O.

Cannas. James Vick's Sons, Rochester, N. Y.

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Cannas, 3-in., $4 per 100. Wm. S. Herzog, Morris Plains, N. J.

Cannas. West End Greenhouses, Lincoln, Ill.

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Rooted cuttings of the purest White Enchantress. We believe we have the largest and best stock in the country. The reason for this is that we were first in the market with this grand pure white. Orders now being booked at $6 per 100; $50 per 1,000. Also a large stock of Beacon, Winsor, Pink Enchantress, Lawson and other commercial varieties. Special, 200 Afterglow out of 2-in. pots, $12 per 100. Michigan Cut Flower Exchange, Inc., 38-40 Broadway, Detroit, Mich.

Carnations, rooted cuttings, Afterglow, Andrew Carnegie, Defiance, Sarah Hill, Winona, $12 per 100; $100 per 1,000. White Enchantress, $6 per 100; $55 per 1,000. Robt. Craig, Enchantress, $3 per 100; $25 per 1,000. Winsor, $6 per 100; $45 per 1,000. Red Chief, Red Riding Hood, $5 per 100; $40 per 1,000. Mrs. Patten, $2.50 per 100; $20 per 1,000. Prosperity, $2 per 100; $15 per 1,000. Rose Pink Enchantress, $4 per 100; $30 per 1,000. Vaughan's Seed Store, Chicago and New York.

Carnations, Lawson, $1.50 per 100; $12.50 per 1,000. Winsor, $5 per 100; $40 per 1,000. Rose Pink Enchantress, $3 per 100; $25 per 1,000. Enchantress, White Lawson, Lady Bountiful, $2 per 100; $15 per 1,000. B. Market, $1.25 per 100; $10 per 1,000. Beacon, $5 per 100; $40 per 1,000. Robt. Craig, $2.50 per 100; $20 per 1,000. Cardinal, $2 per 100; $17.50 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Carnations. Strong plants from 2½-in. pots; also rooted cuttings of the best varieties. Prices given in display adv. C. Eisele, 11th and Westmoreland Sts., Philadelphia, Pa.

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Carnations. Fine Winsor and White Enchantress plants from soil or pots, topped and breaks started, $50 per 1,000. White Lawson, $20 per 1,000. Rooted cuttings ready, per 1,000: White Enchantress, $45. Red Nelson Fisher, $45. Beacon, $45. Aristocrat, $45. Rose Pink Enchantress, $25. White Perfection, $25. Winsor, $40. A. C. Canfield, Springfield, Ill.

Carnations, Winsor, Helen Gould, Beacon, $6 per 100; $50 per 1,000. White Enchantress, $7 per 100; $60 per 1,000. Melody, Victory, $4 per 100. Enchantress, Lady Bountiful, Red Lawson, V. Lawson, W. Lawson, Daheim, $3 per 100; $25 per 1,000. Mrs. Lawson, B. Market, $2 per 100; $15 per 1,000. Wood Bros., Fishkill, N. Y.

Carnations, Enchantress, $1.75 per 100; $15 per 1,000. Mrs. T. W. Lawson, Boston Market, $1.50 per 100; $12 per 1,000. Rose Pink Enchantress, White Perfection, $3 per 100; $25 per 1,000. White Enchantress, Winsor, Beacon, Aristocrat, $6 per 100; $50 per 1,000. Harlowarden, $1.50 per 100; $12.50 per 1,000. A. F. Longren, Des Plaines, Ill.

Carnations, Andrew Carnegie, $12 per 100; $100 per 1,000. White Enchantress, $6 per 100; $50 per 1,000. White Perfection, $3 per 100; $25 per 1,000. Aristocrat, Beacon, $6 per 100; $50 per 1,000. Rose Pink Enchantress, $3 per 100; $25 per 1,000. Chicago Carnation Co., Joliet, Ill.

Carnations, Winona, $12 per 100; $100 per 1,000. Red Chief, $5 per 100; $40 per 1,000. Aristocrat, Winsor, Beacon, $6 per 100; $50 per 1,000. White Perfection, Rose Pink Enchantress, Enchantress, Lady Bountiful, $3 per 100; $25 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, R. C., Winsor, White Enchantress, Beacon, $5 per 100; $45 per 1,000. Rose Pink Enchantress, Enchantress, $2.50 per 100. Aristocrat, 2½-in., $6 per 100. Maybelle, Victory, Enchantress, White Lawson, Var. Lawson, 2 and 2½-in., $3 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

Carnations, field-grown, 15,000 Enchantress and Winsor, ready for delivery July 1. Orders filled in strict rotation. Order now and be first. Prices on application. We guarantee satisfaction. We lead in superb field-grown stock. Wanoka Greenhouses, Barneveld, N. Y.

Carnations, Winsor, $6 per 100; $50 per 1,000. Rose Pink Enchantress, $3.50 per 100; $30 per 1,000. Enchantress, Queen Louise, $2.50 per 100; $20 per 1,000; from 2¼-in., add $1 per 100. White Enchantress, 3-in., $7 per 100; $60 per 1,000. A. N. Pierson, Cromwell, Conn.

Carnations, April 14: Winsor, Beacon, $40 per 1,000. Pink Imperial, Aristocrat, $30 per 1,000. Enchantress, J. Haines, $12.50 per 1,000. White Perfection, $20 per 1,000. Pink Patten, $10 per 1,000. Victory, $20 per 1,000. A. M. Herr, Lancaster, Pa.

Carnations, Aristocrat, Winsor, $5 per 100; W. Perfection, $2.75; Enchantress, Lady Bountiful, $2; Victory, $2.75; Rose Pink Enchantress, $2.75. Perennial Gardens Co., Toledo, O.

Carnations, Robt. Craig, Elbon, Gov. Wolcott, B. Market, Flora Hill, Enchantress, Joost, R. C., $2 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Carnations, Pure White Enchantress, strong, healthy, well rooted cuttings, $6 per 100; $50 per 1,000. Satisfaction guaranteed. A. J. Stahelin, Redford, Mich.

Carnations, Winsor, 2½-in., $6 per 100; $50 per 1,000. White Perfection, R. C., $3 per 100; $25 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, John E. Haines, Imperial and Pink Imperial, Enchantress, $6 per 100; $50 per 1,000. John E. Haines, Bethlehem, Pa.

Carnation Beacon, R. C. W. W. Coles, Kokomo, Ind.

Carnation Afterglow, $2 per doz.; $12 per 100; $100 per 1,000. R. Witterstaetter, Sta. F., Cincinnati, O.

Carnations, leading vars. Jensen & Dekema, 674 W. Foster Ave., Chicago.

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CHRYSANTHEMUMS.

CHRYSANTHEMUMS.

White.	Per 100.		
Oct. Frost	$2.00	Black Hawk	$1.50
		Pink	Per 100
Estelle	1.50	Monogram	1.50
Polly Rose	1.50	Lady Hariett	1.50
Robinson	1.50	Balfour	2.00
Merry Xmas	1.50	Mary Mann	1.50
Yanoma	2.00	Mrs. Perrin	1.50
A. Byron	2.00	Dr. Enguehard	1.50
W. H. Chadwick	2.00	Maud Dean	1.50
T. Eaton	2.00	Yellow	
C. Touset	1.50	Appleton	1.50
Beatrice May	3.00	Golden Beauty	2.00
Kalb	1.50	Golden Wedding	2.00
W. Bonnaffon	1.50	Oct. Sunshine	1.50
Wanamaker	1.50	Chas. Cronin	1.50
		Maj. Bonnaffon	1.50
Red Intensity	1.50	Y. Eaton	2.00

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CHRYSANTHEMUMS.

10 per cent off for Cash. In effect April 5th.

	R. C. per 100	R. C. per 1000	2½-in. per 100	2½-in. per 1000
WHITE				
Virginia Poehlmann	$10.00	$80.00	$12.00	$100.00
Robinson	2.00	17.50	2.50	22.00
Kalb	2.00	17.50	2.50	22.00
Eaton Timothy	2.50	22.00	3.00	27.50
Alice Byron	2.50	22.00	3.00	27.50
Clementine Touset	3.00	25.00	4.00	35.00
Chadwick	3.00	25.00	4.00	35.00
White Bonnaffon	2.50	22.00	3.00	27.50
Merry Christmas	2.00	20.00	2.50	22.00
October Frost	5.00	.....	6.00	.....
YELLOW				
Col. Appleton	2.50	22.00	3.00	27.50
Major Bonnaffon	2.00	17.50	2.50	22.50
Golden Wedding	3.00	25.00	4.00	35.00
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Halliday	2.50	22.00	3.00	27.50
Golden Chadwick	3.00	25.00	4.00	35.00
Monrovia	3.00	.....	4.00	.....
PINK				
McNiece	2.50	22.50	3.50	30.00
Maud Dean	2.50	22.50	3.50	30.00
Dr. Enguehard	2.50	22.50	3.50	30.00
Rosiere	2.50	22.50	3.50	30.00
RED				
Intensity	2.00	.....	3.00	.....
Schrimpton	3.00	.....	4.00	.....

POEHLMANN BROS. CO.,
Morton Grove, Ill.

Chrysanthemums, Virginia Poehlmann, Angele Laurent, Golden Dome, Mlle. Jeanne Rosette, Money Maker, 2¼-in., $2 per doz.; $10 per 100. Mrs. Clay Frick, Zimmers Yellow, Mary Mann, 2¼-in., $1 per doz. $6 per 100; R. C., $5 per 100. Pompons, Klondyke, Quinola, choice single vars., Kitty Bourne, Mrs. Roberts. Amorita, 2¼-in., $1 per doz. Standard varieties: Kalb, Polly Rose, Early Snow, Oct. Frost, C. Touset, White Shaw, Robinson, Beatrice May, Merza, Niveus, Queen, Byron, Eureka, Wanamaker, Adelia, Mrs. McArthur, T. Eaton, Chadwick, Merry Christmas, Glory of Pacific, Rosiere, Shaw, Balfour, Duckham, Enguehard, M. F. Plant, Maud Dean, The Harriott, Mayor Weaver, Mrs. J. Marshall, Monrovia, G. Pitcher, Appleton, Bonnaffon, Golden Wedding, H. W. Rieman, Yellow Eaton, Cullingfordi, Merstham Red, Matchless, Mrs. Duckham, Old Gold. Pompons: Baby, Lulu, Briolas, 2¼-in., 5c each; 50c per doz.; $3 per 100; $25 per 1,000; R. C., $2 per 100; $15 per 1,000. A. N. Pierson, Cromwell, Conn.

Chrysanthemums, Golden Glow, Pacific Supreme, and White Cloud, 25c each; $20 per 100; foreign novelties at above rate. Best collection of pompons, $2.50 per 100; $20 per 1,000. Best commercial sorts: Yanoma, J. Nonin, W. H. Chadwick, Fidelity, Jno. Burton, Maud Dean, Golden Wedding, R. C., $2.50 per 100; $20 per 1,000; 2½-in., $3.50 per 100; $30 per 1,000. Alice Byron, C. Touset, Mrs. Weeks, Polly Rose, Mrs. Buckbee, Ivory, Mrs. Robinson, Oct. Frost, T. Eaton, Silver Wedding, White Bonnaffon, Mayor Weaver, Lavender Queen, Wm. Duckham, Lucy Evans, Dr. Enguehard, Rosiere, Ialene, R. Halliday, Sunburst, Appleton, Monrovia, Yellow Jones, Bonnaffon, Mrs. O. P. Bassett, Cullingfordii, R. C., $2 per 100; $17.50 per 1,000; 2½-in., $2.50 per 100; $22.50 per 1,000. Elmer D. Smith & Co., Adrian, Mich.

CHRYSANTHEMUMS.

Strong, healthy, well rooted cuttings of Brutus, Roserie, Geo. S. Kalb, G. of Pacific, Cobbold, Halliday, Duckham (pink, Nellie Pockett, Appleton, Parr, Ben Wells, White and Pink Ivory, A. J. Balfour, Jeannie Nonin, White and Yellow Bonnaffon, Roi de Italie, P. Plumridge, Minnie Bailey, W. B. Chamberlain, John K. Shaw, Edgar Saunders, Dr. Enguehard, Mrs. Weeks, Merza, Robinson, Willowbrook, C. Touset, Gen. Maceo, $1.50 per 100; 2-in. plants $2 per 100. October Frost, White and Golden Chadwick, White and Yellow Jones, White and Yellow Eaton, cuttings, $2 per 100; pot plants, $2.50 per 100. Golden Dome, $1 per doz.; $8 per 100. James Hamilton, Mt. Washington, Maryland.

Chrysanthemums, rooted cuttings: White, Timothy Eaton, Mrs. Geo. S. Kalb, fine early; Estelle, White Bonnaffon, Alice Byron, Ivory, C. Touset, Jeannie Nonin. Pink: Glory of the Pacific, Mary Mann, Dr. Enguehard, Maud Dean, Rosiere, Yellow; Major Bonnaffon, Cremo, Robt. Halliday, "Baby" small yellow, $2 per 100; $15 per 1,000. Cash with order. Wm. Swayne, P. O. Box 226, Kennett Square, Pa.

Beatrice May only $2.50. Oct. Frost, Touset, Adelia, Nonin, Enguehard, Shaw, Monrovia, strong stock, sure to please, $2.50 per 100; cuttings, $1.50. Not more than 25 per cent B. May in any order at above rates. W. J. Olds, Union City, Pa.

Chrysanthemums, 20 good vars., 2½-in., $2.50 per 100. West End Greenhouses, Lincoln, Ill.

Chrysanthemums, leading vars. Gunnar Teilmann, Marion, Ind.

The American Florist invites attention to the class of business firms in its adv. columns.

Chrysanthemums, Chadwick, Golden Chadwick, $2. White Bonnaffon, October Frost, Estelle, Touset, Nonin, Bonnaffon, Oct. Sunshine, Monrovia, Enguehard, Glory of Pacific, $1.50 per 100. A. F. Longren, Des Plaines, Ill.

Chrysanthemums, Monrovia, Oct. Sunshine, F. A. Cobbold, Mrs. Pockett, Col. Appleton, Nellie Pockett, Cheltoni, Lady Hopetoun, White Coombes, Ben. Wells, etc., $3 per 100; $25 per 1,000; 2¼-in. Chas. H. Totty, Madison, N. J.

Chrysanthemums, hardy, 75 best vars., small fld. or button kinds, $2 per 100; large fld. or aster, $3 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Palms, Cocos Weddelliana, 3-in., $2.50 per doz.; $20 per 100; 5-in., 4-in pot, 75c each; $9 per doz. Frank Oechslin, 2572 W. Adams St., Chicago.

Palms, Kentia Fors., made-up plants, 8-in., 3 to 4 ft., $2 each; 10-in., 4 to 5 ft., $4; 10-in., 5 to 6 ft., $6; 12-in., 5 to 12 ft., $8. J. B. Heiss, 112 S. Main St., Dayton, O.

Palms, Areca lutescens, Cocos Weddelliana, Kentia Bel. and Fors., home-grown. Jos. Heacock Co., Wyncote, Pa.

Palms, Latania, 8-in., $1.75; 10-in., $2.50. Phoenix, 7-in., 38 ins. high, $1.50; 8-in., $2.50. Areca. 5-in., 50c; 6-in., $1. Wagner Park Conservatories, Sidney, O.

Latania Borbonica, from 2-in., 3 leaves, $3 per 100. The Perennial Gardens Co., Toledo, O.

Palms. P. J. Berckmans Co., Augusta, Ga.

Palms. L. Van Houtte, Pere, Ghent, Belgium.

PANDANUS.

Pandanus Veitchii, 5-in., $1 each; 5½-in., $1.25; 6-in., $1.50. Frank Oechslin, 2572 W. Adams St., Chicago.

PANSIES.

Pansies, a mixture of the finest strains of exhibition stock obtainable in Germany and America. Seed bought direct from the growers. Good, strong, frame grown plants, 75c per 100; $6 per 1,000. N. E. Beck, Massillon, Ohio.

Pansies from cold frame, strong, in bud, $1 per 100; $9 per 1,000; 2nd size, $5 per 1,000. F. A. Baller, Bloomington, Ill.

Pansies, giant flowering, 50c per 100; $2.50 per 1,000. Jos. H. Cunningham, Delaware, O.

PELARGONIUMS.

Pelargoniums, $2.50 per 100. S. D. Brant, Clay Center, Kans.

Pelargoniums. 3-in., $1.50 per doz.; $6 per 100. R. Vincent, Jr. & Sons, White Marsh, Md.

PEONIES.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Wholesale peony list for fall 1908 is now ready. J. F. Rosenfield, West Point, Neb.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies, leading vars. W. & T. Smith Co., Geneva, N. Y.

Peonies, in variety, 10c to 50c each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

PETUNIAS.

Petunias, double fringed in bud and bloom, 2½-in., ready for 4-in., $2.50 per 100; R. C., $1 per 100. The Krueger Bros. Co., Toledo, O.

Petunia Berkshire, R. C., $2.50 per 100; $20 per 1,000. S. S. Skidelsky, 1731 No. 18th St., Philadelphia.

Petunias, dbl., R. C., $1.25 per 100; $10 per 1,000. S. D. Brant, Clay Center, Kans.

Petunias, dbl., $3 per 100. Jos. H. Cunningham, Delaware, O.

Petunias, Dreer's and Henderson's, $1.25 per 100; $10 per 1,000. C. Humfeld, Clay Center, Kans.

Petunias, dbl., 10 kinds. R. C., $1. Byer Bros., Chambersburg, Pa.

Petunias, 2, 3 and 4-in., 4 vars. Geo. A. Kuhl, Pekin, Ill.

Petunias, Dreer's single fringed, 3-in., $3 per 100. Wm. S. Herzog, Morris Plains, N. J.

The American Florist invites attention to the class of business firms in its adv. columns.

POINSETTIAS.

Poinsettias, good, strong stock. $4 per 100. The Krueger Bros. Co., Toledo, O.

PRIMULAS.

Primula obconica grandi. rosea, 4-in., $1.50 per doz.; $12 per 100. Frank Oechslin, 2572 W. Adams St., Chicago.

RHODODENDRONS.

Rhododendrons. W. & T. Smith, Geneva, N. Y.

Rhododendrons. Jacs Smits, Naarden, Holland.

ROSES.

Roses, grafted, Mrs. Jardine, Rhea Reid, Queen Beatrice, $6 per doz.; 50 for $18; $35 per 100. My Maryland, 50c each; $5 per doz.; $35 per 100; own root, 2½-in., $25 per 100; $2 per 10; 3-in., $15 per doz. Mrs. Potter Palmer, $3 per doz.; $17.50 per 100; $125 per 1,000. New Rambler Newport Fairy, 2¼-in., $1 each; $9 per doz.; $50 per 100. Standard vars.; Aurora, Betty, Bon Silene, Bride, Maid, Enchanta, Etoile de France, Franz Deegen, Gen. MacArthur, G. Gate, Hermosa, Ivory, Kaiserin, Kate Moulton, Killarney, La Detroit, M. Cochet, M. Niel, Mme. Chatenay, Mme. Hoste, Mrs. Morgan, Gontier, Rosalind Orr English, Richmond, Carnot, Wootton, Uncle John, Wellesley, White Cochet, grafted, 2¼-in., 20c each; $2 per doz.; $15 per 100; $120 per 1,000. Am. Beauty, own-root, 2½-in., $8 per 100; $75 per 1,000; 3-in., $12 per 100; $100 per 1,000. Own root roses, 2½-in., Kaiserin, Killarney, Bride, Bridesmaid, Ivory, G. Gate, Uncle John, Richmond, Chatenay, Aurora, $1 per doz.; $6 per 100; $50 per 1,000; 2-in., $3.50 per 100; $30 per 1,000. A. N. Pierson, Cromwell, Conn.

Roses, dormant, 2-year-old, No. 1 stock: Am. Beauty, $10 per 100. La France, Frau K. Druschki, Soliel d'Or, Paul Neyron, $15 per 100. Hermosa, $12 per 100. Gen. Jacq., Magna Charta, Mme. G. Luizet, Perle des Blanches., $11 per 100. Mrs. Sharman Crawford, $15 per 100. Mrs. Plantier, Memorial roses, 5 kinds, $10 per 100. Rugosa, red and white; moss white, pink and red, budded, $12 per 100. Prairie Queen, Baltimore Belle, $10 per 100. Standard Baby Rambler, 4 ft., half standard Baby Ramblers, 3 ft., $50 per 100. Standard Dorothy Perkins, 8 to 10 ft., $1.50 each. Standard Crimson Rambler, 8 to 10 ft., $1.50 each. Vaughan's Seed Store, Chicago and N. Y.

Roses, $2.50 per 100; $25 per 1,000; Baby Rambler, C. Soupert, D. Perkins, Mme. A. Chatenay, C. Rambler; $2.75 per 100; $27.50 per 1,000: Hermosa, Maman Cochet, Malmaison, Etoile de Lyon, Helen Gould, Lady Gay, M. Niel, Notting, Meteor, White Maman; $3 per 100; $30 per 1,000; Black Prince, Mme. Masson, Richmond, Kaiserin, Paul Neyron, $3.50 per 100; $35 per 1,000; Etoile de France, Gen. McArthur, Mrs. J. Laing. Helen Good, $5 per 100. J. B. Clark, $8 per 100. C. M. Niuffer, Springfield, O.

YOUNG ROSE STOCK.

	Per 100	Per 1,000
Kaiserin, 3½-in.	$5.00	$45.00
Kaiserin, 3-in.	4.50	40.00
Kaiserin, 2½-in.	3.50	30.00
Maids, 2½-in.	3.00	25.00
Brides, 2½-in.	3.00	25.00
Richmond, 2½-in.	3.00	25.00
Kate Moulton, 2½-in.	3.00	25.00

WIETOR BROS., 51 Wabash Ave., Chicago.

Roses, Mrs. Potter Palmer, 2½-in., $15 per 100; $1.25 per 1,000; R. C., $8 per 100. Cardinal, 2½-in., $6 per 100; $55 per 1,000. Am. Beauty, R. C., $30 per 1,000; 2 and 2½-in., $6 per 100; $55 per 1,000. Maid, Bride, Richmond, Sunrise, Kaiserin, Uncle John, 2½-in., $4.50 per 100; $40 per 1,000. Bench Beauty plants, $55 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, grafted, Chatenay, Killarney, Richmond, Liberty, La France, in rose pots, $15 per 100; 3½-in., $18 per 100. Brides, Maids, Golden Gate, Kaiserin, rose pots, $10 per 100; 3½-in., $15 per 100. Own root: 3-in., $9 and $7 per 100. J. L. Dillon, Bloomsburg, Pa.

Brides and Maids, 2½-in. pots, $25 per 1,000. Beauties, 2½-in., $45 per 1,000; 3-in., $55 per 1,000; plants from bench, $50 per 1,000. A. C. Canfield, Springfield, Ill.

ROSES! ROSES! Bride, Maid, Golden Gate, Richmond, 2½-in., $3 per 100; $25 per 1000; 3-in., $5. Fine clean plants. W. H. Gullett & Sons, Lincoln, Ill.

Roses, Bride, Maid, Kaiserin, Killarney, Richmond, Wellesley, $12 per 100; $100 per 1,000. Jackson & Perkins Co., Newark, N. Y.

If you do not find what you need in our Ready Reference Department, write us about it.

Roses, 2½-in., Bride, Maid, Uncle John, Ivory, Chatenay, $3 per 100; $25 per 1,000. Sunrise, Perle, $4 per 100; $35 per 1,000. Kate Moulton, Richmond, $5 per 100; $40 per 1,000. Killarney, $4 per 100; $35 per 1,000. Bench plants: Am. Beauty, $6 per 100; $50 per 1,000. Perle and Richmond, $4 per 100; $35 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Roses, bench plants, 1-yr., Am. Beauty, $6 per 100; $50 per 1,000. Maid, Bride, Chatenay, $2.50 per 100; $20 per 1,000. Rooted cuttings: Maid, Bride, $1.50 per 100; $12 per 1,000. Kate Moulton, $2.50 per 100; $20 per 1,000. Climbing Killarney, 2½-in., $3 per 100; $25 per 1,000. Geo. Reinberg, 35 Randolph St., Chicago.

Roses, Kaiserin, 2½-in., $4.50 per 100; $40 per 1,000. Maid and Bride, 2½-in., $3 per 100; $25 per 1,000. Bench plants: Am. Beauty, $6 per 100; $50 per 1,000. Maid, Bride, Richmond and Chatenay, $3 per 100; $25 per 1,000. Bassett & Washburn, 76 Wabash Ave., Chicago.

Roses, in pots and outdoor: Prairie Queen, 3 to 5 ft., 15c to 35c each. Crimson Rambler, 2 ft., 15c. Baby Rambler, 3½-in., $6 per 100. Sweet briar, 2 to 3 ft., 10c to 25c each. One lot of hybrid perpetual, 5-in., asst., pot-grown, $15 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Roses, Marechal Neil, 4-in., 2 to 3 canes, 24 ins., tall, live healthy roots, 20c. Pink Cochet Franciska Kruger, 3-in., $6 per 100; all 2-yr. old. Memphis Floral Co., Memphis, Tenn.

Roses, Bride, Maid, Richmond, Chatenay, 2-in. stock, strong plants, $12 per 1,000. Kaiserin Victoria, 2-in., $2 per 100. All plants guaranteed. Gus. Schlegel, Butler, Pa.

Roses, American Beauty, Richmond, bench plants, $6 per 100; $50 per 1,000. J. A. Budlong, 37-39 Randolph St., Chicago.

Roses, Am. Beauty, 2¼-in., $6 per 100; $50 per 1000. The E. G. Hill Co., Richmond, Ind.

American Beauties, rooted cuttings, $3 per 100; $25 per 1,000; 2¼-in., $6 per 100; $50 per 1,000. J. F. Wilcox, Council Bluffs, Iowa.

Roses, grafted and own root, Kaiserin, Carnot, Killarney, Richmond, Liberty, Bride and Bridesmaid. W. H. Elliott, Brighton, Mass.

Rose Tausendschon, 3-in., 10 for $1.50; $12 per 100; $100 per 1,000. Dingee & Conard Co., West Grove, Pa.

Roses, American Beauty, bushes; bench plants, $6 per 100; $55 per 1,000. Wietor Bros., 51 Wabash Ave., Chicago.

Rose Newport Fairy. Julius Roehrs Co., Rutherford, N. J.

Roses, 400 sorts, 2½ and 4-in. Leedle Floral Co., Springfield, O.

Roses, Am. Beauty, 2¼-in., $5 per 100; $45 per 1000. Lamborn Floral Co., Alliance, O.

Roses. W. & T. Smith Co., Geneva, N. Y.

Roses. James Vick's Sons, Rochester, N. Y.

Roses. Geo. A. Kuhl, Pekin, Ill.

SAGE PLANTS.

Sage plants, good thrifty sage plants from 2-in. pots. Ready now. Price $1.50 per 100. Cash with order. Virginia Nursery Co., Purcellville, Va.

SALVIAS.

Salvia Zurich, ever-blooming type absolutely true, 2-in., $1 for 25; $3, 100; $25, 1,000. Rooted cuttings, $1.75, 100; $15, 1,000. J. L. Schiller, 929 Prouty Ave., Toledo, O.

Salvia Bonfire and Splendens, $1.75 per 100; $15 per 1,000; 3-in., $2.50 per 100. Wm. S. Herzog, Morris Plains, N. J.

Salvias, 2, 2½, 3 and 4-in. Geo. A. Kuhl, Pekin, Ill.

Salvia Zurich, in bud and bloom, 3-in., $4 per 100; 2-in., $2.50 per 100; R. C., $1.25 per 100. The Krueger Bros. Co., Toledo, O.

Salvia Bonfire and Splendens, R. C., 75c per 100; $6 per 1,000. A. N. Pierson, Cromwell, Conn.

Salvias, in 5 standard varieties, 2¼-in., $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Salvias, 3, 2½ and 2-in., $5, $3, $2 per 100. West End Greenhouses, Lincoln, Ill.

Salvias, Bonfire, St. Louis, $1 per 100; $8 per 1,000. C. Humfeld, Clay Center, Kans.

Salvias, R. C., $1 per 100; $8 per 1,000. S. D. Brant, Clay Center, Kans.

Salvia Zurich, R. C., $1.75 per 100; 2-in., $3. Perennial Gardens Co., Toledo, O.

Salvia Bonfire, 90c. Byer Bros., Chambersburg, Pa.

SEEDS.

Seeds, cyclamen, Mont Blanc, Baroness Burdett-Coutts, Crimson King, Duke of Connaught, Prince of Wales, Princess May, Rosy Morn, Picturatum, Dame Blanch, Duke of Fife, Brilliant. Primula Sinensis. St. George's Nursery Co., Harlington, Middlesex, England.

Seeds, Primula obconica, the type, ⅛ oz., 50c; tr. pkt., 15c; grandiflora, mixed, 1-16 oz., $1; tr. pkt., 25c; fimbriata, 1-32 oz., $1; tr. pkt., 50c; Bright rose, 1-32 oz., $1; tr. pkt., 25c; Kermesina, 1-32 oz., $2; tr. pkt., 50c; white, 1-32 oz., $1; tr. pkt., 25c; gigantea rosea, 1-32 oz., $3; tr. pkt., 50c; gigantea Kermesina, tr. pkt., 35c. Vaughan's Seed Store, Chicago and New York.

Seeds, bean, beet, cabbage, carrot, kohl rabi, leek, lettuce, onion, pea, radish, spinach, turnip, swede, aster, balsam, begonia, carnation, cineraria, gloxinia, larkspur, nasturtium, pansy, petunia, phlox, primula, scabious, stock, verbena, zinnia, etc. Giant pansy, $5 per oz.; $1.50 per ¼ oz.; 75c per 1-16 oz. Henry Mette, Quedlinburg, Germany.

Seeds. Asparagus plumosus nanus, northern greenhouse grown, per 100 seeds, 60c; 250, $1.25; 1,000, $4; 5,000, $19.50; 10,000, $37.50. Vaughan's Seed Store, Chicago and New York.

Seeds, Primula obconica grandi, blood red, blue, carmine, pink, purple, violet, white, compacta, gigantea, fringed mixed, hybrids, separate, tr. pkt., 50c; 6 pkts., $2.50. O. V. Zangen, Hoboken, N. J.

Seeds, verbena, mammoth, colors or mixed, ¼ oz., 30c; oz., $1. Salvia splendens, ¼ oz., 35c; oz., $1.25; Bonfire, ¼ oz., 75c; oz., $2.50. W. C. Beckert, Pittsburg, N. S., Pa.

Seeds. Tomato, the Don, Cauliflower. First and Best, Onion Ailsa Craig. Lettuce, Ideal. Mignonette, N. Y. Market. Weeber & Don, 114 Chambers St., New York.

Seeds, Asparagus plumosus nanus, new crop, highest germination, $2.50 per 1,000. Drake Point Greenhouses, Yalaha, Fla.

Seeds, Asparagus plumosus nanus, and robustus, $2 per 1,000. J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds. Lawn grass in bulk or pkts. Dickinson's Evergreen and Pine Tree brands. Albert Dickinson Co., Chicago and Minneapolis.

Seeds of all kinds. H. E. Fiske Seed Co., 12 and 13 Faneuil Hall Sq., Boston, Mass.

Seeds, all kinds. H. H. Berger & Co., 70 Warren St., New York.

Seeds, sweet peas. Anton C. Zvonianek, Bound Brook, N. J.

Seeds, peas, beans and garden seeds. Leonard Seed Co., Chicago.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds, pansy, 1,000 seeds, mixed, 25c; 1 oz., $2.25. H. Wrede, Luneburg, Germany.

Seeds, flower and vegetable. James Vick's Sons, Rochester, N. Y.

Seed potatoes, Red River stock. Onion sets, Vaughan's Seed Store, Chicago.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Seeds, all kinds. St. Louis Seed Co., 784-786 N. 4th St., St. Louis.

Contract Growers.

Seeds, onion, lettuce, sweet peas and other California specialties. C. C. Morse & Co., 48 to 56 Jackson St., San Francisco, Calif.

Seeds, vegetables and flower French grown. High grade. Trade only. Write for contract prices. Chas. Johnson, Marietta, Pa.

Seeds, bean, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, cabbage and cauliflower, Hjalmer Hartman & Co., Stormgade, Copenhagen; 31 Barclay St., New York.

Seeds, lettuce, onion, sweet pea, aster, cosmos, mignonette, verbena. Waldo Rohnert, Gilroy, Calif.

Seeds, growers for the wholesale trade only. Braslan Seed Grower's Co., San Jose, Calif.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seed beans. F. L. Hogue, Carpinteria, Calif. Grower for the wholesale trade only.

Seeds, garden peas and beans. Rogers Bros., Alpena, Mich.

SMILAX.

Smilax, nice stocky plants from fall, $3 per 1000; 2000 for $5; 5000 for $10; by mail, 50c per 100. F. A. Baller, Bloomington, Ill.

Smilax, fine plants ready for 2¼-in. pots, $4 per 1000; 50c per 100. Smith & Young Co., Stanton Ave., Indianapolis, Ind.

Smilax, 2½-in., $2.50 per 100; $20 per 1,000. Geo. Reinberg, 35 Randolph St., Chicago.

Smilax, 3 and 2-in., $3 and $2 per 100. West End Greenhouses, Lincoln, Ill.

SPIREAS.

Spirea Gladstone, extra nice plants for Easter, 6-in pots, 35c each. Memphis Floral Co., Memphis, Tenn.

Spireas. Jacs Smits, Ltd., Naarden, Holland.

SWAINSONAS.

Swanisona alba, R. C., $1; 2-in., 2c. Byer Bros., Chambersburg, Pa.

Swainsona alba, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

VEGETABLE PLANTS.

Vegetable plants, tomato: Mayflower, Lorrillard, Earliana, Early Jewel, Early June, 30c per 100; $2 per 1,000. Beets: Egyptian and Crosby, 20c per 100; $1.25 per 1,000. Celery: White Plume, Golden Self Blanching, 20c per 100; $1.25 per 1,000. Pepper and egg plant, 40c per 100; $2 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Yellow Jersey and Red Bermuda sweet potatoes, 300,000 plants ready May 10. Let us book your order now at 30c per 100; $2 per 1,000 500,000 early tomatoes; 300,000 early cabbage plants NOW ready, 30c per 100; $2 per 1,000. Cash. Mrs. Edward Hayden, Greenview, Ill.

Sweet potato plants: Southern Queen, Yellow Yam, White Nansamond, Yellow Jersey, Red Spanish, ready now, $2 per 1,000. Cash with order. Special prices on large lots. The Southwestern Seed Co., Box 395, Fayetteville, Ark.

Rhubarb, undivided roots, $25 per 1,000. Asparagus roots, $5 per 1,000. Warren Shinn, Woodstown, N. J.

Horse radish sets, $3 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

VERBENAS.

Verbenas, red white, purple and pink, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Verbenas, mammoth, fine large plants from soil, 60c per 100; $4 per 1,000. Hill Top Greenhouses, 15 Gray Ave., Utica, N. Y.

Verbenas, mixed and separate colors, 2¼-in., $2.25 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Verbenas, mammoth, $1.75 per 100; $15 per 1,000; 3-in., $2.50 per 100. Wm. S. Herzog, Morris Plains, N. J.

Verbenas, 2½ and 2-in., in bloom, $3 and $2 per 100. West End Greenhouses, Lincoln, Ill.

Verbenas, in bud and bloom. J. L. Dillon, Bloomsburg, Pa.

Verbenas, $2 per 100. Jos. H. Cunningham, Delaware, O.

Verbena seedlings, mammoth mix., 35c per 100. Shippensburg (Pa.) Floral Co.

Verbenas. Geo. M. Emmans, Newton, N. J.

VINCAS.

Vinca variegata, R. C., 90c per 100; $7.50 per 1,000; 2½-in., $2.25 per 100; $20 per 1,000. Leedle Floral Co., Springfield, O.

Vinca variegated, 2¼-in., $2; 4-in., $10; 5-in., $15 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Vinca var., 2½-in., $3; 3-in., $5. W. H. Gullett & Sons, Lincoln, Ill.

Vincas, variegated, $1.25 per 100; $10 per 1,000. C. Humfeld, Clay Center, Kans.

Vinca variegata, 2¼-in., $2.50 per 100. Jos. H. Cunningham, Delaware, O.

Vinca var., 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

Vinca variegata, 3½ and 4-in., $60 per 1,000. Wm. S. Herzog, Morris Plains, N. J.

Vinca, variegated and green, 4-in., $10; 3-in., $5 per 100. West End Greenhouses, Lincoln, Ill.

VIOLETS.

Violets, Campbell, California, rooted runners, 50c per 100; $4 per 1,000. J. A. Burns, Frankford Ave., Holmesburg, Phila., Pa.

Violets, Boston, $2 per doz.; $12 per 100; $100 per 1,000. Wm. Sim, Cliftondale, Mass.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Allen, J. K., 106 W. 20th St., New York.

Amling, E. C., 32-36 Randolph St., Chicago.

Berning, H. G., 1402 Pine St., St. Louis.

Buffalo Cut Flower Co., 468 Washington St., Buffalo, N. Y.

Cleary's Horticultural Co., 62 Vesey St., N. Y.

Deamud, J. B. Co., 51 Wabash Ave., Chicago.

Ford Bros., 48 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., N. Y.

Guttman, Alex. J., 43 W. 28th St., New York.

Harty & Co., 1312 G St., N. W. Washington.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kennicott Bros. Co., 48-50 Wabash, Chicago.

Kuehn, C. A., 1122 Pine St., St. Louis.

Langjahr, Alfred H., 55 W. 28th St., N. Y.

McCullough's Sons Co., J. M., 316 Walnut St., Cincinnati, O.

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McIntyre, John, 1601 Ranstead St., Philadelphia.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

McKissick, W. E., 1619-1621 Ranstead St., Philadelphia.

Michigan Cut Flower Exchange, 30-40 Broadway, Detroit, Mich.

Millang Bros., 41 W. 28th St., New York.

Murdoch, J. B. & Co., 714 Penn Ave., Pittsburg, Pa.

Niessen Co., Leo, 1208 Arch St., Philadelphia.

N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.

Perkins & Nelson, 57 W. 26th St., New York.

Pittsburg Cut Flower Co., Ltd., 222 Oliver Ave., Pittsburg, Pa.

Pittsburg Florists' Exchange, 217-223 Diamond St., Pittsburg, Pa.

Pollworth, C. C. Co., Milwaukee, Wis.

Randall, A. L. Co., 19 Randolph St., Chicago.

Raynor, John I., 49 W. 28th St., New York.

Rice Bros., 128 N. 6th St., Minneapolis, Minn.

Robinson, Henry M. & Co., 11-15 Province St., Boston.

Seligman, John, 56 W. 26th St., New York.

Sheridan, Walter F., 39 W. 28th St., New York.

Smith & Co., W. C., 1316 Pine St., St. Louis.

Traendly & Schenck, 44 W. 28th St., N. Y.

Vaughan & Sperry, 58-60 Wabash Ave., Chicago.

Welch Bros., 226 Devonshire St., Boston.

Winterson, E. F. Co., 45-49 Wabash, Chicago.

Young, A. L. & Co., 54 W. 28th St., N. Y.

Young, John, 51 W. 28th St., New York.

Young & Nugent, 42 W. 28th St., New York.

Zech & Mann, 51 Wabash Ave., Chicago.

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Growers.

Bassett & Washburn, 76-78 Wabash, Chicago.

Benthey & Coatsworth Co., The, 35 Randolph St., Chicago.

Bruns, H. N., 1409-11 W. Madison St., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Elliott, W. H., Brighton, Mass.

Hill, The E. G. Co., Richmond, Ind.

Jensen & Dekema, 674 W. Foster Ave., Chicago.

Joy Floral Co., 601 Church St., Nashville, Tenn.

Muskogee Carnation Co., Muskogee, Okla.

Peacock Dahlia Farms, Atco, N. J.

Poehlmann Bros. Co., 35-37 Randolph, Chicago.

Reinberg, Peter, 51 Wabash Ave., Chicago.

Weiland & Olinger, 128 E. 3rd St., Cincinnati, O.

Weiland & Risch, 59 Wabash Ave., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

Wittbold, Geo. Co., 1657 Buckingham Pl., Chicago.

Woodrow, Samuel A., 53 W. 30th St., N. Y.

RETAIL CUT FLOWERS.

Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree St.

Albany, N. Y.—H. G. Eyers, 11 N. Pearl St.

Boston—Houghton & Clark, 396 Boyleston St.

Brooklyn, N. Y.—Robt. G. Wilson, Fulton St. and Green Ave.

Buffalo, N. Y.—Palmer's.

Chicago—Hauswirth Florist, Auditorium Annex.
Chicago—Wittbold, Florist, 1657 Buckingham Place.

Dayton, O.—Mathews, 16 W. 3rd St.

Denver, Colo.—Daniels & Fisher.

Denver, Colo.—The Park Floral Co.

Detroit, Mich.—John Breitmeyer's Sons, cor. Miami and Gratiot Aves.

Evansville, Ind.—The Blackman Floral Co., 402 Main St.

Galveston, Tex.—Mrs. M. A. Hanson.

Indianapolis, Ind.—Bertermann Bros. Co., 241 Mass. Ave.

Kansas City, Mo.—Geo. M. Kellogg, 906 Grand Ave.; also Pleasant Hill, Mo.

Kansas City, Mo.—Samuel Murray, Coates House Co., 1017 Broadway.

Los Angeles, Calif.—J. W. Wolfskill, 218 W. 4th St.

Louisville, Ky.—J. Schultz, 644 4th Ave.

New Orleans, La.—U. J. Virgin, 833 Canal St.

New York—M. A. Bowe, 1294 Broadway.

Omaha, Neb.—Hess & Swoboda, 1415 Farnam St.

Philadelphia, Pa.—Robt. Kift, 1725 Chestnut St.

Rochester, N. Y.—J. B. Keller Sons, 25 Clinton St.

St. Louis, Mo.—Fred C. Weber, 4320-28 Olive St.

St. Louis, Mo.—Young's, 1406 Olive St.

St. Paul, Minn.—Holm & Olson.

San Francisco, Calif.—J. B. Boland Co., 47-49 Geary St.

Seattle, Wash.—Woodland Seed & Floral Co., 808 2nd Ave.

Terre Haute, Ind.—Jno. G. Heinl & Son.

Washington, D. C.—Z. D. Blackistone, 14th and H Sts., N. W.

Washington, D. C.—A. Gude & Bro., 1214 F St.

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Boilers, corrugated, firebox and sectional greenhouse heating. Hitchings & Co., 1170 Broadway, New York.

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Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Building material of all kinds. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn.

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Glass, all sizes. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn, N. Y.

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Glass of all kinds and sizes. Sharp, Partridge & Co., 22nd and Lumber Sts., Chicago.

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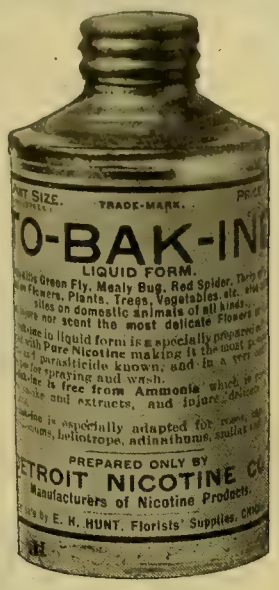

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Tobacco dust, made from heavy Kentucky leaf tobacco. Contains a larger amount of nicotine than any other tobacco dust offered for sale. Packed in barrels of 250 lbs. each. One barrel lots at 2½c per lb.; three barrel lots, 2¼c per lb., f. o. b. Louisville. Prices will be changed as soon as stock is reduced. Axton-Fisher Tob. Co., Louisville, Ky.

Fresh tobacco stems; 50c per 100 lbs.; $10 per ton. Scharff Bros., Van Wert, O.

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Fumigating supplies, vaporizing pans for tobacco extract, improved. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

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Engravings. Best engravings and illustrations of every description for catalogues. Send for estimates. Globe Eng. & Elec. Co., 427 Dearborn St., Chicago.

Waterproof aprons, oiled black or yellow, 8 oz., 70c; 10 oz., 75c; 12 oz., 85c; No. 10, 90c; No. 8, $1; No. 6, $1.10. Keystone Mfg. Co., 5th and Girard Ave., Philadelphia.

Investigate our improved method of heating. Simonds Heating and Specialty Co., 103 Washington Ave., Detroit, Mich.

Clara cemetery vase, 12 ins. high, $2.50 per doz.; barrel of 3 doz., $6 f. o. b. Chicago. Vaughan's Seed Store, Chicago and New York.

POTS, PANS, ETC.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

Carman's Antipest
INSECTICIDE AND FUNGICIDE
For the Garden, Orchard and Greenhouse
Non-poisonous and harmless to vegetation.
Kills Green Fly, Aphides, Bark Lice, Thrips, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.
This is the Grower's Friend, handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. **$1.50 per gallon.** Also in quarts, half gallons and in bulk.
PERFECTION CHEMICAL CO.,
FLUSHING, N. Y.

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Wire Work—Manufacturers of artistic florists' designs. New Price list; large discount. Pittsburg Cut Flower Co., Ltd., Pittsburg, Pa.

Supplies. Rustic hanging baskets, rustic pedestals, settees, chairs, tables, birdhouses, window boxes, vases, etc. Reed & Keller, 122 W. 25th St., New York.

Supplies. Cape flowers, cycas leaves, metal designs and all florists' supplies. A. Herrmann, 404-12 E. 34th St., New York.

Supplies. Importers and manufacturers of florists' supplies, L. Baumann & Co., 78 Wabash Ave., Chicago.

Supplies, wire designs. Pittsburg Florists' Ex., 228 Diamond St., Pittsburg. Pa.

Supplies of all kinds and novelties. E. H. Hunt, 76 Wabash Ave., Chicago.

Supplies of all kinds. E. F. Winterson Co., 45-49 Wabash Ave., Chicago.

Supplies of all kinds. A. L. Randall Co., 19-21 Randolph St., Chicago.

Supplies of all kinds. H. Bayersdorfer & Co., 1129 Arch St. Philadelphia.

Supplies of all kinds. H. M. Robinson & Co., 8-11 Province St., Boston.

Supplies, wire designs, etc. The Cleveland Cut Flower Co., 215 Huron Road, Cleveland, O.

THE BEST Bug Killer and Bloom Saver.
For PROOF Write to
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THE AUTO-SPRAY
It is guaranteed to be the most powerful, easily operated, economical hand sprayer made. With it a boy outworks three men with ordinary device. Used by U. S. Government and State Experiment Stations. **Fitted with Auto-Pop Nozzle** it is equal to large operations as well as small. Write if you want agency. Spraying Calendar Free.
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Cattle Manure In Bags Shredded or Pulverized
Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.
The Pulverized Manure Co.,
32 Union Stock Yards, Chicago

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Toothpicks, wired, 10,000, $1.75; 50,000 $7.50. W. J. Cowee, Berlin, N. Y.

St. Paul.

STOCK VERY PLENTIFUL.

Easter trade was probably a little heavier this year as a whole; there were more sales but they were not heavy compared with a year ago. Stock was very plentiful and there was some cutting in prices on the more ordinary stock. There was some stock left in nearly all the stores, but this can be laid to the bad weather on Friday when very few people ventured out and the consequence was that when they came on Saturday, which turned out to be a very fine day, they could not be waited on, and lots of people went without flowers for this reason. Cut flower sales were probably about the same as a year ago and there was plenty of everything except violets which as usual were in big demand. Outside of lilies, azaleas and Dorothy Perkins roses were in most demand with hydrangeas, bulb pans, rhododendrons and spireas holding their own pretty well. The few Queen Alexandra pink spireas that were shown elicited favorable comment, as also did some well flowered kalmias. There were a few half standard Baby Ramblers which were sold early, when they were dressed up well.

NOTES.

Spring outdoor work opened up strong last week, everybody wanting their work done at once, but this has got a setback the last couple of days when it has rained and turned to one of the worst snow storms of the season.

The funeral of a prominent young lady last week where friends were requested to omit flowers, taxed at least one of the large stores to the limit for fine work.

Holm & Olson had an opening Easter display on the Thursday night preceding Easter when they had music and drew a big crowd. O.

Florists' Refrigerators

Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCray Refrigerator Co. 760 Mill Street, KENDALLVILLE, IND.

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florists' Supplies.

SEND FOR PRICES.

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J. SCHROEDER,

— MAKER OF —

Artificial Flowers,

344 Ontario St., CLEVELAND, O.

H. BAYERSDORFER & CO.,

Florists' Supplies.

1129 Arch Street, PHILADELPHIA, PA.

Send for our new catalogue.

Iron Reservoir Vases

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Lawn Settees,

Manufactured by

McDONALD BROS.,

COLUMBUS, O.

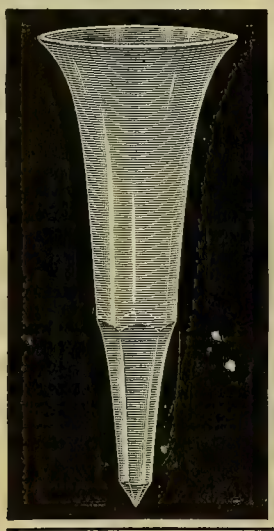
The largest manufacturers of these goods in America. Send for catalogue.

HELP US MOVE

The largest stock of NATURAL PRESERVED WREATHS such as Magnolia, Ruscus, Cycas, Laurel and Moss wreaths, Cycas and Magnolia Leaves in green or bronze. Baskets, Cemetery Vases, Chiffons, all at unheard of prices.

SEND FOR OUR DECORATION DAY SPECIAL.

L. BAUMANN & CO., 76-78 Wabash Ave. Chicago



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MADE OF SOLID MOULDED GLASS.

12 inches high, with wide flaring mouth. Can be supplied in green or white.

Doz., $2.50; barrel of 3 doz., $6.00, f. o. b. Chicago.

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THE LARGEST MANUFACTURERS OF
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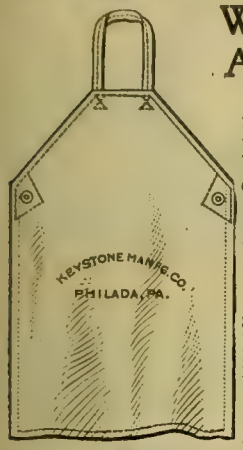

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8-oz. 70c	No. 10	$0.90
10 " 75c.,	" 8,	1.00
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10% discount in dozen lots.

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Manufacturers of FLORISTS' RED STANDARD POTS.
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Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

The Ionia Pot is the Best Pot.
That's the reason why it was necessary to double our capacity in 1907 to take care of the trade of 1908. Our factory equipment is the best. Our output is the largest.
Hand your next season's order to Uncle Sam today. Our invoice will be in your hands on his return trip.
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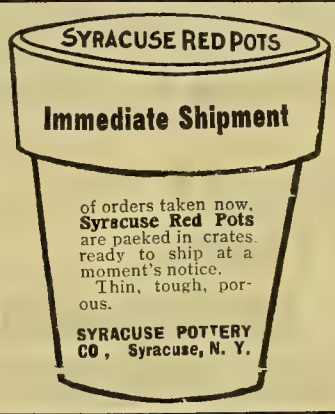

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Standard Flower Pots!
Packed in small crates, easy to handle.

Price per crate			Price per crate		
1500 2-in., in crate,		$4.88	120 7-in., in crate,		$4.20
1500 2¼	"	5.25	60 8	"	3.00
			HAND MADE.		
1500 2½	"	6.00	48 9-in., in crate,		$3.60
1000 3	"	5.00	48 10	"	4.80
800 3½	"	5.80	24 11	"	3.60
500 4	"	4.50	24 12	"	4.80
320 5	"	4.51	12 14	"	4.80
144 6	"	3.16	6 16	"	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address
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For Sale by Wholesale Seedsmen, Florists and Supply Dealers.
Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.
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Those Red Pots
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FULL SIZE AND WIDE BOTTOMS, BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'F'Y.
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FLOWER POTS.
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Florist's Red Pots
OF FINELY PREPARED CLAY.
Process and catalogue sent on request.
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size	Per 1000	size	Per 1000
1½-in flower pots..	$ 2.50	3 -in flower pots..	$4.50
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2 -in flower pots..	3.00	4 -in flower pots..	7.90
2¼-in flower pots..	3.50	4½-in flower pots..	10.00
2½-in flower pots..	3.90	5 -in flower pots..	12 00
6 -in flower pots..	20.00		

A. J. MARQUIS, Prop. M'ddleburg, Ohio.

Standard Flower Pots
Porosity and Strength Unsurpassed.
Write for Prices.
A. F. KOHR,
1521 Leavitt Street, CHICAGO.

Always mention The American Florist when you order stock. : : : :

New Orleans.

A GOOD HOLIDAY TRADE.

The Easter trade was the best we have had for several years back and all are satisfied with the results. Lilies were in abundance and these, with a few exceptions, were outdoor grown flowers. Roses and carnations were from Chicago. The churches were all beautifully decorated and the florists were kept busy with decoration work.

HORTICULTURAL SOCIETY MEETING.

The Horticultural Society held its monthly meeting April 16 and it was decided after some discussion to hold the chrysanthemum show on November 12-14. The following committee was appointed to arrange and take charge of same: Chas. Eble (ex officio chairman), J. A. Newsham, Harry Papworth, C. W. Eichling, Richard Eichling, B. W. Witcher, P. A. Chopin, M. M. Lapouyade and Paul Abele. Jos. Steckler was appointed treasurer and C. R. Panter secretary.

Exhibits from any grower of plants and flowers will be received and prizes will be offered for special plants. The teachers and pupils of the public schools are specially invited to compete in the growth of flowers and plants, and handsome prizes will be offered them. J. Steckler, Paul Abele and P. A. Chopin were appointed a committee to secure a suitable hall for the fall show.

E. Baker, state superintendent of Audubon park, sent in his resignation as a member as he has retired from the business to go in a commercial house. By a unanimous vote he was elected an honorary member. Jas. A. Newsham in a communication to the society from British Honduras states he is doing well in his collection of orchids. A. Alost has invited the society to the annual dinner at Rose Villa farm on Gentilly road on May 3, which invitation the society cheerfully accepted.

M. Cook's Sons have dissolved partnership and both go into business on their own account. D.

STEEL RETURN TUBULAR

Steam BOILERS Water

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JOHNSTON HEATING CO., New York City.
Gentlemen —The internally fired steel boilers which you installed last fall are giving us great satisfaction. They heat very quickly and are very economical. We are exceedingly well pleased with them and they have more than met our expectations. Very truly yours, F. R. PIERSON CO.

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Write for catalogue and prices.

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Window Gardening

BY H. B. DORNER.

A plain and practical treatise on window and house plants invaluable to the beginner. Retail florists should procure copies of this book for their customers. It contains 153 pages of excellent reading matter and 43 illustrations. Price $1.20.

AMERICAN FLORIST COMPANY,
324 Dearborn Street, CHICAGO.

Easter Trade Reports.

GLOVERSVILLE, N. Y.—A 20 per cent increase in sales at prices about the same as last year is the report of Richard Loeben. All cut flowers were sold but there was plenty of plants. Violets were short. "The rain checked sales a little or we would have been short of stock on Saturday."

WORCESTER, MASS.—Business at Easter was very good and conservative buyers sold out well at good prices. There was a good supply of lilies, roses and carnations with an over supply of bulbous stock of all kinds. Rambler roses, Baby Ramblers, azaleas and lilacs sold well.—R.

PROVIDENCE, R. I.—W. E. Chappell reports a 25 per cent increase in sales at prices slightly lower and everything in good supply. Lilies and other bulbs in pots and carnations as cut flowers were the best sellers. The weather was ideal and the stock the best ever handled here.

CONCORD, N. H.—G. J. Benedict reports a 25 per cent increase in trade at prices about the same as last year. The supply of cut flowers and plants was not equal to the demand.

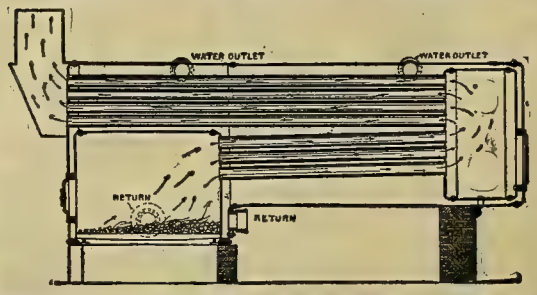
BLOOMINGTON, ILL.—J. D. Robinson, reports trade and prices about equal to those of last year, with plants and cut flowers equal to the demand. Easter lilies sold well.

FARGO, N. D.—Shotwell Floral Co. reports trade about the same as last year and stock of all kinds equal to the demand.

THE SUPERIOR

Return Flue Fire Box Boiler.

Ask the man that knows. The names are yours for the asking of them.



12 of these were bought and used by one grower. 6 by another grower.

This boiler has given better satisfaction than any other boiler on the market
MADE IN EIGHT SIZES FOR HOT WATER.
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We Invite All Greenhouse Owners to investigate our
IMPROVED METHOD OF
HEATING

Our COMPOUND Vacuum System requires SMALLER STEAM mains and connections, secures BETTER CIRCULATION in distant parts of the system.
And is More FLEXIBLE, ECONOMICAL in fuel, and will give you better SATISFACTION than any other steam or hot water system on the market.
Also have a simple HEAT REGULATION that is easily connected with it if desired.
Write for catalogue and investigate. Don't take our word alone for it.

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—Of Every Description—
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☞ Every up-to-date florist and gardener will find it necessary to add this splendid work to his library.
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Le Journal des Roses.
Organ of the French Rosarians.
Published at Paris. Once a month with colored plates.
Subscription $2.70 per Year. Sample Copies Free.
ADMINISTRATION DU JOURNAL DES ROSES
a SUISNES, Brie
Par Grisy-Suisnes. (Seine et Marne), FRANCE

THE BEST WAY TO COLLECT AN ACCOUNT
is to place it with the
NATIONAL FLORISTS' BOARD OF TRADE
56 Pine St., New York.
Why? Because many debtors will pay the Board, fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

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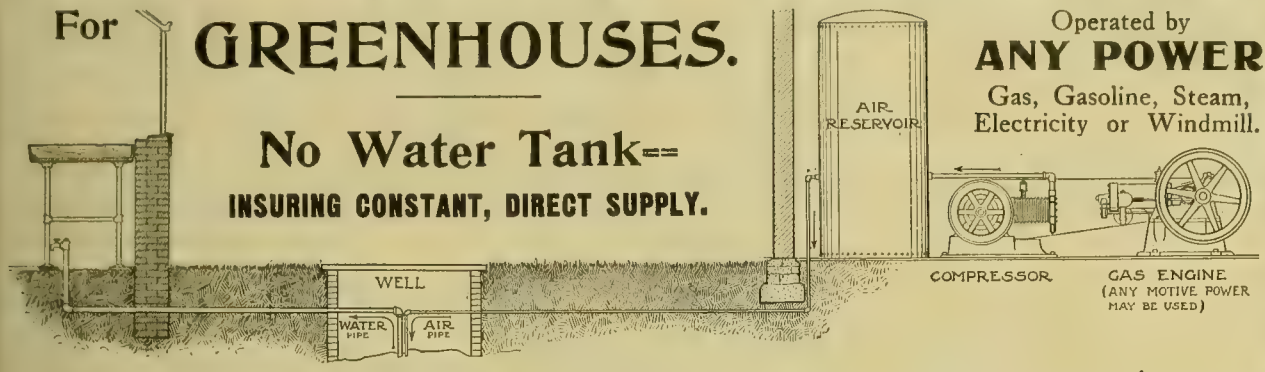
No Water Tank==

INSURING CONSTANT, DIRECT SUPPLY.



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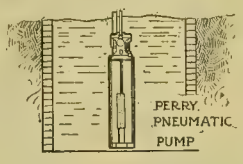
Send for descriptive matter and information blanks. We will be pleased to give estimates on a system for your particular needs.



The Perry Pneumatic Water System

is ideal for the Greenhouse. It delivers a strong, continuous pressure of fresh water from the well or any source of supply direct to the faucets. No water is stored. Cistern water may be supplied or several wells may be drawn from with the same motive power.

The Perry System Is the Only Water-Tankless Water System Made— don't confuse it with systems that require storage of water, or air and water, as a means of supply.

Better Service. Less Cost for Operation.

UNITED PUMP & POWER CO.,

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Montreal.

UP-TO-DATE RETAILERS LEAD.

This year's Easter trade was greater than was expected, some retailers were too careful in providing sufficient stock and consequently ran short; others tried to dispose of stock almost ready for the rubbish heap and of course had it left on their hands. The flower loving and flower buying public today is too well educated to be deceived in this way any longer. The amount of business done by the different establishments differs greatly; in every case it is the newer, recently established, up-to-date concerns that handle the best trade, while the older places seem to allow themselves to drop hopelessly behind the times. In lilies there was not enough to last till Saturday noon but, as there was a good stock on hand of hydrangeas and azaleas, few customers were lost. Small tubs, filled with lilies or mixed plants, were good sellers. Dutch hyacinths in pots and colored tulips, sold well and at good prices; roses in pots were extra fine. In cut flowers, roses were scarce and high in price, Richmond and Killarney being the favorites. Carnations were plentiful and good Lawson and Enchantress were the leaders; of the newer varieties there were not enough to be noticed. Violets were very short.

NOTES.

Chas. Deryncks has bought his old stand on St Lawrence street, paying $15,000 cash, Charlie has been very successful since establishing himself some seven years ago. His Easter trade was away ahead of last year.

McKenna's rented another store for Easter so they had three stores going, and all of them full speed. This firm bought 25,000 carnations from A. C. Legare alone without counting their supply from the west.

Hall & Robinson did an immense trade; their speciality was roses in pots. Lilies and hydrangeas were very fine.

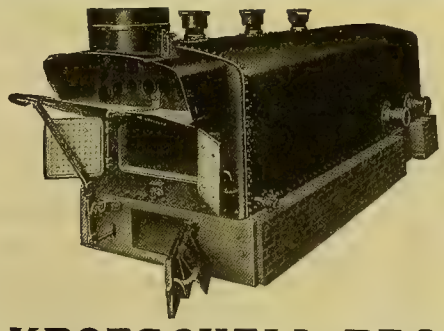
A. C. Legare sold more carnations than he estimated, his cut being far ahead of 50,000, all first class flowers.

Geo. Hopton had to work overtime to get through his business which was well up in Sunday afternoon.

Miss Carmichael was closed early Saturday night, probably sold out.

John Eddy & Son report large sales chiefly in plants. LUCK.

AUBURN, ME.—An addition is being built to Roak's greenhouses on High street.



SEE HOW WELL THEY LIKE ME

150 New Establishments with 2,158,000 square feet of glass have installed this boiler in 1906.

Ask for list of users and get acquainted with the men who know.

Catalogue and prices on application.

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MYERS & CO. BUILDERS OF

Modern Greenhouses
HEATING BOILERS.
1122 Betz Bldg,.
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SAVE

FUEL, WATER, REPAIRS

HOW?

By Installing a

MOREHEAD TRAP

Write us for a 30 days' trial. We will place a trap in your heating system and will abide by your decision whether it pays or not. We know once you install a MOREHEAD you will never be without one—Investigate it.

MOREHEAD MFG. CO.

1047 Grand River Avenue
DETROIT, MICH.

ELMIRA, N. Y.—The United States Cut Flower Co. under the capable management of Wm. R. Compton is making great strides and the past season has been a good one. Increase in capitalization and additions to the plant are talked of.

BOOKS FOR FLORISTS.

The time is coming along when these are needed and opportunity at hand for reading them. Every one of the following should be in your library.

Send prices quoted and we send the books.

PRACTICAL FLORICULTURE (Peter Henderson).—A guide to the successful propagation and cultivation of florists' plants. Illustrated. 325 pages. $1.50.

THE AMERICAN CARNATION (C. W. Ward).—A complete treatment of all the most modern methods of cultivating this most important flower. Illustrated. $3.50.

HOW TO GROW CUT FLOWERS (Hunt).—The only book on the subject. It is a thoroughly reliable work by an eminently successful, practical florist. Illustrated. $2.00.

FUMIGATION METHODS (Johnson).—A practical treatise on cheap and effective means of destroying insect pests. Handsomely bound and profusely illustrated. 250 pages. $1.00.

THE ROSE.—Its cultivation, varieties, etc. (H. B. Ellwanger).—A complete guide of the cultivation of the rose, together with the classification of all the leading varieties. $1.25.

STEAM HEATING FOR BUILDERS (Baldwin).—Contains valuable data and hints for steam fitters and those who employ this method of heating. The 350 pages are fully illustrated. $2.50.

THE HORTICULTURISTS' RULE-BOOK (L. H. Bailey).—Contains information valuable to all those engaged in any branch of horticulture. Illustrated. 312 pages. 75 cents.

GREENHOUSE CONSTRUCTION (Taft).—It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 118 illustrations. $1.50.

DAFFODILS, NARCISSUS AND HOW TO GROW THEM (A. M. Kirby).—Contains all that is really worth knowing about these most popular of spring bulbs, written from the standpoint of American conditions. Illustrated, 233 pages; postpaid, $1.21.

YARD AND GARDEN (Baker). An excellent book treating on the method of making home gardens attractive. The author covers a wide range of subjects in quite an able manner and the book is full of interest for the amateur gardener; 140 illustrations, 420 pages, $2.

SUCCESS IN MARKET GARDENING (Rawson).—Written by one of the most prominent and successful market gardeners in the country, and who has the large t glasshouses for forcing vegetables for market in America. Outdoor and indoor crops are treated. Illustrated, $1.00.

MUSHROOMS: HOW TO GROW THEM (Falconer).—The only American book on the subject, 29 illustrations. Written by a practical mushroom grower, who tells the whole story so tersely and plainly that a child can understand it. This book has increased mushroom growing in this country three fold in three years. $1.50.

AMERICAN FLORIST CO.
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Cypress Hot Bed Sash, 90c

This Hot Bed Sash is absolutely brand new and first-class in every particular. We bought 5000 of them at a sale and give you the benefit of our low purchasing price. This sash is 3x6 ft., 1¾ in. thick 4 rows 7-in. glass dozen lots. 90c each. When ordered in single lots. 95c each.

We can also furnish glazed sash $1.60 each, in dozen lots, or $1 65 each in single lots.

We offer 2 000 **Western Pine Hot Bed Sash**, brand new, unglazed, in single lots, at 90c., or in lots of one dozen, each, 85c. Glazed, in single lots, $1.60: dozen lots, $1.55.

5,000 ft. of 3-4 in GARDEN HOSE 4c per ft. Brand new **"Competition" Garden Hose,** size ¾-in., 50 ft. lengths with couplings, per length, $2 00. Standard grade guaranteed **Rubber Garden Hose,** ¾ in., 50 ft. lengths with couplings 3-ply, per ft., 7c; 4-ply per ft. 9c: 5 ply, per ft., 10c. **Lawn Sprinklers,** 25c. **Hose Reels,** 75c.

PIPE 100,000 ft Standard Pipe in good condition. We cut and thread to order. Write for special list.

BOILER FLUES With special threads and couplings. Can be used same as threaded pipe with calked joint greenhouse fittings at the end of run. Same strength as wrought iron pipe at half the price. All sizes.

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GREENHOUSE BOILERS Complete line of Locomotive Fire Box Boilers Kroeschell Greenhouse Boilers, Return Flue Boilers. Cast Iron Sectional Boilers, etc.

HARDWARE Everything in the line of Building Hardware, Wire and Wire Fencing, Bolts, Hatchets, Hammers, Axes—everything needed in the home, the field or the greenhouse.

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Be Sure and Write for Onr Latest Catalogue No. 47 To-day.

The greatest book of bargains ever issued.

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Completely Equipped with Up-To-Date Machinery for the MAKING OF MATERIAL FOR

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FROM A FULL SUPPLY OF THOROUGHLY SEASONED LUMBER.

Send your sketches to our draughtsmen for completion and suggestion. Permit us to figure your proposed work large or small. **We Guarantee Our Prices Will Save You Money.**

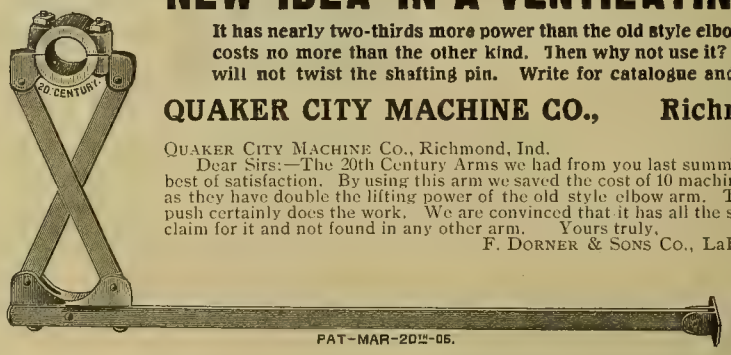
Foley Ventilating Apparatus is the Best.

Is simple in erecting. Is easiest of operation. It will last a life-time. Its price is the lowest. Will ventilate any size house. Prices and circulars on application.

Our 1908 Catalogue Greenhouse Material sent postpaid on request.

The FOLEY MFG. CO. Western Avenue 25th and 26th Sts. **CHICAGO.**

NEW IDEA IN A VENTILATING ARM



It has nearly two-thirds more power than the old style elbow arm. It costs no more than the other kind. Then why not use it? This arm will not twist the shafting pin. Write for catalogue and prices to

QUAKER CITY MACHINE CO., Richmond, Ind.

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Dear Sirs:—The 20th Century Arms we had from you last summer are giving the best of satisfaction. By using this arm we saved the cost of 10 machines on our range, as they have double the lifting power of the old style elbow arm. The pull and the push certainly does the work. We are convinced that it has all the strong points you claim for it and not found in any other arm. Yours truly,

F. DORNER & SONS CO., LaFayette, Ind.

For Best Results Advertisers should mail new advertisements and changes so as to reach us on Mondays.

GREENHOUSE GLASS

PRICES WAY DOWN! DON'T HESITATE! WRITE TO-DAY!

You have been waiting for just such a time as the present and unless all signs fail, you will make no mistake in buying for present and future needs. Tell us the sizes you use, and we will quote prices that mean business.

HOOKER'S GREENHOUSE WHITE

WHITE AS SNOW. READY FOR USE. TOUGH AS LEATHER.

Years of experience and study have produced this wonderful wearing white and you know it requires just as much time to put on a cheap paint as it does the best.

Half Barrels, (25 Gals.) per gal. $1.40. 5 Gallon Buckets, per gal. $1.50.

H. M. HOOKER COMPANY,

Long Distance Phone Monroe 4994.

120 to 128 W. Washington St., CHICAGO.

Ionia, Mich.

The visit of the florists of Lansing, Grand Rapids, and Muskegon to the city April 22, was a pleasant incident brought about through the enterprise of the Ionia Pottery Co. At about 4:30 p. m. the party came down town under the escort of President Fred Cutler, Jr., and Secretary Harvey Kidder, of the company, being taken to the plant. They were started in at the clay pile and shown through the entire institution, seeing for themselves how flower pots are made, from the clay in its natural state, until it is turned out a finished article to the shipping clerk, the famous Ionia flower pot. They made an inspection of all the departments— pressing, drying and burning in the modern kilns. Then through the large new warehouse, which at this time is not largely stocked owing to the extensive spring trade, but which is being put in shape for fall manufacture, now under way. After a visit to the shipping department they were taken upstairs where the veteran potter, Geo. Horseman, who has been with the company 30 years, was moulding by hand the big lawn vases and from there to the wire department.

The wire department is a new venture with a bright outlook. Here all kinds of wire frames, wire baskets, wire emblems, etc., are made, and although the company has not yet issued a catalogue covering the department, orders are pouring in from all over the country. Two months have been occupied so far in getting up the designs and patterns. But the work of supplying orders is now under way and several have already been filled. The institution has shown an increase in business so far this year, exceeding any other year in its history.

The visitors were surprised at the size and importance of the plant. Though every one of them had purchased and used thousands of the pots, to see them made was an innovation. Among them was the well known florist, Henry Smith, of Grand Rapids, who has four acres under glass and also looks after a 200 acre truck farm. The pottery is now employing 30 men and an additional building for the wire department it is expected will be built this summer. The visitors paid the Ionia flower pot many compliments, declaring it to be the best on the market.

NAMPA, IDAHO.—A. H. Behrman has purchased several lots in the Kurtz addition and intends building somewhat extensively. The flowers grown will probably be all handled by local dealers.

The James H. Rice Co.

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GREENHOUSE GLASS

A SPECIALTY.

Window Glass, Paint, Putty, etc.

Office and Warehouse: Corner of Michigan, St. Clair and Illinois Streets, CHICAGO.

SPRAGUE, SMITH CO.

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GREENHOUSE GLASS

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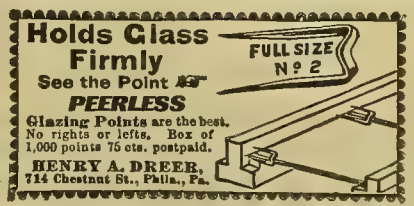
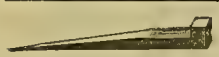
167-169 Randolph Street, CHICAGO.

Holds Glass Firmly
See the Point
PEERLESS
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER, 714 Chestnut St., Phila., Pa.





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Never Rust
GLAZING POINTS
Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, ⅜ and ½. 40c per lb.; by mail, 16c extra; 7 lbs. for $2 50; 15 lbs. for $5.00 by express. For sale by the trade.

RANDOLPH & McCLEMENTS, Successors to Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.

OTTAWA, ILL.—Joseph Redpath, an employe of Mrs. King of King's Flower Store, was found dead early in the morning recently in one of the greenhouses by a fellow employe. Deceased had suffered from acute indigestion and it is thought that this was the cause of death. He was an Englishman and came recently to Illinois from Auburn, N. Y.

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty, Lasts longer than putty. Easy to apply.

STENZEL GLASS CO.,

GREENHOUSE GLASS.

French and American "WHITE ROSE" Brand.

2 Hudson St., NEW YORK.

Louisiana Red Cypress

"THE WOOD THAT WON'T ROT."

There is a test which every florist can make on his greenhouse and hotbed material, i. e., the test of **Durability.**

Try Cypress, the wood that has been tested.

IT IS THE MOST DURABLE WOOD KNOWN. Ask about it at your local lumber yard or write

LOUISIANA RED CYPRESS CO. HIBERNIA BUILDING, **New Orleans, La.**

The Allied Trades

Descriptive particulars—with drawings or photographs, if possible—of any new apparatus or device which may prove helpful to the trade are solicited for this department.

Concrete Benches.

ED. AMERICAN FLORIST:—

With reference to J. C. Ahrensfeld's comments upon this subject, in a recent issue, I will endeavor to set him aright upon the several points which, he admits, are somewhat muddled. In the first place it matters not, as far as the durability is concerned, which system is employed, as either the one-piece or portable, if properly reinforced, will be equally as satisfactory.

We have had these benches in use for four years and they are harder today than when constructed. The point is a known fact and any one working in concrete knows full well that it does not assume its maximum strength until after a year or two old. Cement hardens only by contact with water and for this reason such construction becomes harder after water is freely applied. As to the best method of construction, if there is any possibility of being obliged to move the benches, I should certainly advocate the portable system. These benches, when constructed, are practically one continuous bench and differ only from the one piece construction in being composed of many parts.

As to concrete being too cold, will say that it is a better conductor of heat and cold than boards and if the house is warm, the concrete will be the same temperature. As to their crumbling away, there is no danger of this if good cement is secured. As far as we are concerned, it is immaterial to us if other florists resort to this method of construction or not. We have had four years' experience and are satisfied with the results and are confident that we will save money in the operation. What we have contributed to THE AMERICAN FLORIST has been purely for the benefit of others, believing that this method should be better known.

We have no forms or patterns for sale but will be very glad to show any one the necessary equipment for making portable concrete construction. We do not claim that our methods cannot be improved upon for there are a great many florists who possess mechanical ingenuity, that may be able to devise a superior system. We have given our knowledge in the matter to the trade without compensation and if any one is benefited thereby, we will be pleased.

ELMER D. SMITH.

THEY ARE PRODUCTIVE. Because of the wide glass, light framing and unobstructed eave, floods of unhindered light and sunshine reach the benches, producing unmatched growing results.

Their attractiveness, simplicity, great strength, durability and low cost of maintenance are other strong points.

Send for Catalog.

The ideal construction for private estates, parks, public institutions and florists' showrooms

U-BAR GREENHOUSES

PIERSON U-BAR CO.

DESIGNERS AND BUILDERS 1 MADISON AVE., NEW YORK.

LUMBER for Greenhouse Benches, Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.

We are in special position to furnish **"PECKY" CYPRESS;** everything in **PINE** and **HEMLOCK BUILDING LUMBER.** WRITE FOR PRICES.

Adam Schillo Lumber Co. Cor. Weed and Hawthorn Sts., CHICAGO. Tel. Lincoln 410 and 411.

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXX. **CHICAGO AND NEW YORK, MAY 9, 1908.** **No. 1040**

THE AMERICAN FLORIST

TWENTY-THIRD YEAR.

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Address all correspondence, subscriptions, etc., American Florist Co., 324 Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—FRANK H. TRAENDLY, New York, Pres.; W. N. RUDD, Morgan Park, Ill., Secy.; H. B. BEATTY, Pittsburg, Pa., Treas. Next meeting at Niagara Falls, N. Y., August, 1908.

THE NATIONAL FLOWER SHOW.

CHICAGO, November 6-15, 1908.

Wm. F. Kasting, Buffalo, N. Y., is chairman of The general committee in charge. Chairmen of Sub-committees follow:

EXECUTIVE AND FINANCE—Wm. F. Kasting, Buffalo, N. Y.

AMERICAN EXHIBITS—Ph. Breitmeyer, Detroit.

FOREIGN EXHIBITS—E. G. Hill, Richmond, Ind.

PREMIUM LIST—W. N. Rudd, Morgan Park, Ill.

ADVERTISING AND PUBLICITY—J. H. Burdett, 1411 First Nat'l Bank Bldg., Chicago.

LOCAL MANAGEMENT, PRIVILEGES AND CONSESSIONS—J. C. Vaughan, Chicago.

SPECIAL FEATURES—Otto G. Koenig, 6471 Florisant Ave., St. Louis, Mo.

RECEPTION—Aug. Poehlmann, Morton Grove, Ill.

AUDITING—J. A. Valentine, Denver, Colo.

TREASURER—I. C. Bertermann, Indianapolis, Ind.

The above chairmen have power to select their Various committees from the general committee of 50 or the members of the S. A. F. at large.

AMERICAN PEONY SOCIETY.

Fourth annual meeting at Ithaca, N. Y., June 1908. C. W. WARD, Queens, N. Y., Pres.; A. H. FEWKES, Newton Highlands, Mass., Sec'y.

The Tomb and the Rose.

The Tomb said to the Rose—
"Of tears the dawn bestows
What makest thou, Lovers' flower?"
The Rose said to the Tomb—
"What makest thou in thy gloom
With what falls there every hour?"

The Rose said—"Tomb so drear,
Of these flowers I make i' the sere
Perfume of sweetness rare."
The Tomb said—"Plaintive flower,
Of the souls come in my power
I fashion the angels fair."
—From Victor Hugo.

SUGGESTIONS FOR CUT FLOWER GROWERS.

Callas.

As the callas go out of flower reduce the water supply by degrees, and let the plants finish their growth. They then go naturally to rest and as the foliage turns color, preparatory to falling, let them dry quite out. Place them outside in the full eye of the sun and let them have a thorough baking. In an ordinary summer there is no need to turn the pots on their sides, as is sometimes done; the little rain that falls will not injure the bulbs or start them growing. But in localities where there is a very heavy rainfall, it may be advisable. At all events it can do no harm, provided they are again moved and set upright before the new growth starts. Otherwise the young stems would draw towards the light and get crooked. Potting the bulbs need not be delayed as long as is often done. They may be repotted at any time after they have had a good baking, and may then be stood level and pot thick, still in an open situation. If one good soaking of water is given after repotting the bulbs, no more will be needed until they begin to grow. There is no question that the outdoor summer culture, giving them a thorough ripening, is best for these useful plants.

Antirrhinums.

After the flowers are cut the antirrhinums throw out stocky little shoots from near the base of the stems and these make the best cuttings for next season's stock. The middle to the end of May is an excellent time to propogate these free flowering, useful plants, and, by using cuttings, one is sure of perpetuating the varieties needed, though, if no stock plants are at hand, they may be raised easily from seed. Grow plenty of bright colored types, clear yellows and deep reds being usually good sellers. No bottom heat is necessary for striking the cuttings, but they must be made from unripened though solid shoots and kept constantly and regularly moist. When rooted, pot up singly and, as soon as established, place them outside in plant protectors or frames in the full sun and keep them growing as gently as possible without starvation treatment. It is not usually necessary to repot them though if they cannot be benched in good time, say by the end of September, it is better to repot than to let the young plants get starved in the pots.

Freesias.

Growers who intend keeping their freesia bulbs over for another year will, if they followed the instructions previously given, have the plants all ripened off by now, and if the bulbs are good they will be the better of a thorough baking in the sun. There are many positions where a shelf or two could be rigged up, such as the sunny end of a span roofed house, and here the pots may be stood for another few weeks, taking no room that is valuable and needing no water. Any late pots that have the leaves still green must be watered a little, but dried off by degrees, and afterwards treated as noted. The earliest ripened bulbs should be chosen for the first potting, and these may be placed eight or nine in a 6-inch pot when ready. It does not pay to bother with small or weak bulbs; throw them away and procure new ones. But there is no reason, if proper care is taken after the flowers are cut, why some at least of the bulbs cannot be saved every year.

Coreopsis Grandiflora.

A good bed of fall sown seedlings of Coreopsis grandiflora will produce a great number of flowers, and if there is no stock on hand it will be well to purchase some now and plant it out at once. Select a comparatively shady position if possible, and a medium soil well enriched to obtain good flowers. The plants should be set out in beds about four or five feet wide to facilitate cutting, and the plants may be set in rows one foot apart each way. Cultivate them well in the early stages and see that they do not suffer from want of water when flowering freely, or the flowers will be small. Although a perennial, C. grandiflora is best propagated from seed and kept about two seasons. Sow a batch each spring and fall and throw away the old plants after flowering the second time. Stakes every six feet and a wire or cord run around the bed about two feet high will prevent the plants getting blown about when in flower.

Dahlias.

Pot roots of the cactus dahlias are usually the earliest to flower and the most free flowering all through. Where they are getting well advanced in growth the plants must be kept in quite a cool, light house, where the growth will be solid and not drawn or soft and when planted out will not suffer either from cold or bright sun. Plants from cuttings or seed, that are not sufficiently forward, may be given a little more heat and moisture and kept moving more freely. It is getting late for dividing up old roots, but there is no reason why this should not be a success if the divisions are kept moving right along. In all cases the aim of the grower, as hinted above, will be to produce growth that will not suffer later when put out. It is only time wasted to grow lanky, soft plants that have to start up again before flowering. Where dahlias have to be frequently cut, ample room should be left between the rows. These should be five feet apart and the plants at least 30 inches apart in the rows. Planted closer than this the plants get damaged in passing between the rows and nothing is gained. The soil should be light, rich and well drained and if of a sandy texture all the better. If possible, choose a somewhat sheltered position where early frosts do not strike the plants, as sometimes valuable cuts can be made late in the season if the plants escape the first visitation. Heavy watering is not advisable early in the season, but during July and August, when the growth is active and a number of flowers are forming, the soil must be kept moist or the flowers will be small and poor. Pinch any plants now that are inclined to run too tall, and again, if necessary, after planting out.

Gardenias.

The young plants from cuttings inserted early in the year will be making nice little stock in 2-inch pots. A shift to 4-inch will be in order now, and the plants may be pinched if any shoots seem to be taking an undue lead. The natural breaks, where flower buds form and are pinched out, are sometimes sufficient to keep the plants in track for planting out for cutting from; though when grown for pots it is usual to pinch the plants as well. Pot firmly in a sound, loamy compost with well decayed cow manure freely added and a good sprinkling of coarse sand. If the benches are ready, the plants may go out from the 2-inch pots, but we prefer the 6-inch stock as it is stronger and the roots take a firm hold of the soil more quickly. Given healthy stock with good active roots, gardenia growing on benches for cut flowers is simply a matter of keeping the growth moving freely right along, and to do this a brisk, moist and buoyant atmosphere is necessary, and, as mentioned in previous notes, plenty of ammonia in the atmosphere is a great help. The soil in the benches need not be more than five inches deep, as it is necessary that the roots take full possession of the whole of it before winter when they have to be kept a little on the dry side. Briefly, the young plants must be kept growing freely and all flowers pinched out until about September, when rather less atmospheric moisture is needed to consolidate or ripen the growth which will remain in a comparatively quiet state during early winter and will then answer readily to heat when applied to force the plants into flower. To keep the foliage clean, frequent spraying is needed, and this is another reason for keeping the soil on the benches thin. Much of the water runs off the smooth foliage down the stems to the roots, no matter how carefully the work is done, and if there was much unoccupied soil about the roots this would become waterlogged and sour. Old plants that have been flowering may be cut somewhat hard back now and started up again into growth, to be eventually treated as described for young plants. Keep the soil a little on the dry side for a week previous to cutting back and until the new growth is again getting well away. The pretty old Tabernæmontana coronaria, the double flowered form, thrives well planted out and treated as advised for gardenias and should prove a good seller if raised in sufficient quantity.

Sport of Rose Crimson Rambler.
Grown by Anton Schultheis, College Point, N. Y

A New Palm.

PTYCHORAPHIS SIEBERTIANA.

The genus ptychoraphis is exceptional among eastern palms in its elegance, the three or four species known, all of them Malayan, being as graceful as Cocos Weddelliana and Geonoma gracilis. P. Singaporensis and P. augusta, which are already in cultivation, although comparatively recent introductions, possess good decorative qualities and in this new species, which is named in compliment to Herr Siebert, the highly-esteemed director of the palm garden at Frankfort, we have a most promising garden palm. In the pose and form of the young plant there is a resemblance to Dæmonorops fissus, but there are no spines on the ptychoraphis. The stems are slender, in the case of mature plants probably tufted, with elegant arching leaves, the petioles clothed with small brownish scales, the leaflets regular, 10 inches long, three-fourths inch wide, tapering gradually to a long, thread-like point. When young they are copper-colored, changing with age to a rich green color. This fine palm has been introduced by Sander & Son, St. Albans, and it is likely to prove one of the best of this firm's many introductions.

THE ROSE.

NEVER allow any old flowers to remain on the benches. They are sure to attract thrips.

CONSTANT and heavy syringing robs the plants of a natural protection against diseases and insects and practical growers are beginning to take note of this.

THE beautiful rambler, Lady Gay, is becoming very popular in England as a market plant, realizing in some instances up to $6.50 per plant wholesale.

New Rambler Rose.

SPORT OF CRIMSON RAMBLER.

The new rambler rose, herewith illustrated and recently exhibited by Anton Schultheis, College Point, N. Y., before the New York Florists' Club, is a very attractive single. It somewhat resembles Newport Fairy, beside which it was shown, though the center of the petal is much lighter in color. Mr. Schultheis thinks very highly of it and it has received many words of commendation at the club meetings and those who have visited Mr. Schultheis' range.

Houses for American Beauty.

Growers of American Beauty are by no means entirely in agreement as to the size and style of house most suitable for the culture of this famous rose. Some think the connected houses of small or comparatively small size are more suitable than the extremely large houses being built, while many growers think the bigger the better. Others have various opinions as to the class of bench or bed most suitable for its growth. We would like to have the opinions of all growers of experience on this important question. It is not only important to growers, but greenhouse builders will also be interested and we trust that all who have ideas on the subject will state them freely and unreservedly for the benefit of those who may be seeking information. We publish herewith the opinions of two noted growers:

ED. AMERICAN FLORIST:—

In regard to houses for American Beauty I would say that my houses are all connected, 22 feet wide, gutters seven and one-half feet high, beds five feet, and walks two feet wide. We prefer these to small separate houses. Have had no experience with houses wider than 27 feet; these were also connected. These have all been very satisfactory and, situated as we are, where ground is limited, would certainly continue building connected houses with either three or four beds to a house. We prefer solid beds as we save the expense of replanting every year and also get a longer cutting season. About three years, we think, is the limit for American Beauty in solid beds.

ALFRED BURTON.

We have only the ordinary commercial, 20-foot houses in use on our plant, all of which are of the three-quarter span style, separated, by spaces varying from 16 to 20 feet. Taken for what it is worth, I should without hesitation say that I would have no other style of house than three-quarter span, isolated houses, connected by a cross house to give access from one to another. The length of house seems to make but little difference in the hands of a good grower, always provided there is sufficient head room to keep buds clear from the glass.

Personally I prefer raised benches, deeming them safer for use under any and all conditions. As to width of house, there are so many opinions that for one who has never had any wide ones, to express an opinion, would seem foolish; all I can do is to give you my personal ideas, you to take them for what they are worth.

From observation I should say that to make houses very wide and at the same time give the proper pitch to the roof, must of necessity make the height of ridge very great and thus make the necessary repairs very hard to make and expensive. That there is merit in the claim of wide house admirers, when they say the temperature can be kept more even, I do believe, but, all in all, for our future building, we propose to use a modification, and build about 36 feet wide on the three-quarter span style, raising the grade line, at an even rise of one inch to the foot, from front to back.

BENJAMIN DORRANCE.

Modern Methods of Rose Growing.

A paper read by E. Holmes, of Montrose, Mass., before the Gardeners' and Florists' Club of Boston, March 17.

Let us look for a moment at the rose growing industry of 20 years ago, that we may better appreciate the situation today. We had then such varieties as Gontier, Bennett, Bon Silene, Safrano, Catherine Mermet, and other good ones. It cannot be said that these have run out or have deteriorated. They have simply been superseded by better varieties. We had an illustration of this recently in the flowers of Safrano exhibited at the Boston show. At that time also we had the old style house, 100 feet long and about 18 wide, with wooden walls and benches built up high to bring the plants up to the light. Now we build glass walls and keep the plants nearer the ground.

The question might naturally be asked, to what can be attributed the advance in the quality of roses produced today over those of that period? The reply is first of all, the modern house. If I had to follow the rating given to flowers in the exhibitions, taking 100 as a total, I would give the modern house 40 points. The other 60 I would divide equally between, the use of grafted stock, improved methods of growing, and new and better varieties in cultivation today.

WHAT IS THE BEST HOUSE?

Taking these points in this order, what is the best house? And another question often asked is, what is the limit of size? We have a house 32x500 feet even span, continuous ventilation at the top on both sides, contaning five benches, which I like very much. It is a very easy house to build and maintain. The width could be increased to 34 or 36 feet at a slight additional cost, and the extra space obtained would be of great value for an extra bench or wider walks. It is an old saying that the best roses grow in the walks, for the more air and light the plants get, the better the results. We have another house 54x300 feet, which I like better, with the possible exception that it is not so easy to make repairs on a high roof as on a lower one. These large houses are easier to heat than the smaller ones. They catch every ray of sunlight in winter, fires can be banked earlier, and started up later than in the small houses. It is no experiment now, but it is a fact that, with the larger body of air, the temperature does not fluctuate as it does in a small house. We find that our large house runs evener on cold nights, with less trouble than smaller ones. With ventilation at the top on both sides and front ventilators, hinged at the bottom so that the air strikes upward instead of directly on the plants, the temperature in warm weather can be controlled in spite of the long stretch of roof. It costs a little more proportionately to build the larger house, for it must be made stronger and braced to withstand any gale that may blow. The steeper the pitch, the greater the resistance, and the large houses are triumphs of the builder's skill.

I think that 60 feet is wide enough for any rose house. The only limits to the length, are the size of the field and the purse of the builder. I believe that the largest houses produce the largest flowers, everything else being equal, and no man needs any better argument in favor of this type of house, than the fact that men like W. H. Elliott of Brighton and Robt. Montgomery of Natick, who are the most conservative, and at the same time the most progressive rose growers we have, after years of experience with large houses, erect larger ones.

GRAFTED VS. OWN-ROOT PLANTS.

Our next consideration is the practice of grafting, so common now in the place of using own-root plants. I cannot do better than recommend Montgomery's treatise on grafting, to anyone wanting the subject explained in a digestible manner. I might say, however, buy the best stocks obtainable. As soon as received, we unpack the stocks and bury them in a cool cellar away from frost; first a layer of loam, then one of stocks until all are covered, taking them out as required for potting. They can also be heeled in a cold greenhouse if there is room, and no cellar or shed is available. If no cold house is at command in which to start the stock, clean out part of a bench on the north side in the coldest part of the house and hang up burlap to keep out the sun, but not so as to exclude the air. Keep well damped down and syringed, being careful not to get the roots too wet.

The grafting case, if it has to be built in a rose house, should be on the north side or it will be difficult to keep the heat down as the season advances. Cheese cloth makes a good shade for the grafting case, and cloudy days are to be preferred to sunny ones for this operation. We prefer standing up to a table about the height of a potting bench when grafting. It is as comfortable as the position you must assume when sitting down to this work, and a man can work faster when he does not have to keep changing his position. A good man will graft from 150 to 175 an hour. It is important that the grafts should not be allowed to wilt, but should be placed in the case as quickly as possible, which should be as airtight as it can be made, and closed up at once. More plants are killed by improper treatment in the case than in any other way, and there is a good deal in knowing enough to let them alone for the first five days or so if the thermometer reads aright, and the plants look fresh and moist. If, however, the case should be too hot, or dry, or seem too full of moisture, I would not hesitate (with the ventilators in the house closed) to open the case for a few minutes and remedy the defect. It is important to keep the water out of the cut until it has healed thoroughly.

YOUNG STOCK.

We find when buying young stock of new varieties that we often get more than we pay for in the shape of red spider, etc. In this case we always dip small lots as soon as received in tobacco water, or syringe with whale oil soap to which a little nicotine has been added. I have seen roses successfully transplanted at any time of the year, but the earlier the better for young stock. It is simply a question of money and convenience, and on large places the planting covers several months.

Remarks written on watering are often misleading, for one soil will use up two or three times more water than another; so in other ways. Take Richmond for example. I have seen it cut down in the summer with splendid results, and thought that was the proper way to treat it after the first year. I have seen it left without pruning, standing to the top of the stakes, and also tied down, doing absolutely nothing. I have seen others tied down giving an abundance of magnificent flowers. All this goes to show that it is not so much how it is done, as who is doing it. The greatest discoveries of science and manufacturing are sometimes the result of an accident, and it is no less true of some secrets in rose growing today. The observant man, in addition to experimenting, will note every detail in the working of his place, and out of some miscalculation or disaster today, will possibly see the way to success later. All men make mistakes; the ones who make the least are the most successful.

SOIL.

We have used loam for planting after being piled up one or two years, and have also used it plowed and chopped up in the field one day, and in the house

A NEW PALM—PTYCHORAPHIS SIEBERTIANA.

Reproduced from the Gardeners' Chronicle.

planted the next without any different results. I would, however, prefer four to six inches of sod rotted and chopped up with cow manure. If this has been put together the previous fall, so much the better, for it is easier to plant in. On large places the old method of piling up soil ahead has given place to the horses and disc harrow in the spring. The large houses are easier to fill than the old style, where a man pushed a wheelbarrow 100 feet or more. A house up to 40 feet wide can easily be filled by removing glass or sash in the sides and driving teams alongside with the loam. Five or six men make a good gang for operating these houses when filling. With two or three men outdoors loading and unloading the carts, and three or four inside, placing, treading and leveling, good progress will be made. Before filling, all woodwork should be whitewashed, or receive a dusting of air slacked lime. We also use lime mixed with the soil for planting, and particularly in loam and manure for top dressing. It is a very good and cheap fertilizer and sweetener of the ground, and might be used a great deal more freely than it is. Before commencing to plant, if the weather is hot, we use a light shade of whiting, syringed on the glass. It is cheap, quick to apply, good for the men and plants, while the work is being done, and can be washed off with the hose if rain does not come in time to take it off.

I do not like a line for planting young stock, as it is in the way and takes too long to move around. We use a marker made of light strips of wood with pegs fastened on. One man can handle it, or two men, one on either side, may work quicker. Being the same width as the bench boards it cannot get out of line, and the distance in the row is obtained by following the end mark every time it is moved. It will make 20 holes every time it is moved and enables a bed to be carried through at once. Team work comes in to good advantage in planting where it is important to transfer the plants quickly. A good man should be detailed to pick out the stock, for it is useless to waste time on poor plants. It will take one or two men to pick out the plants and knock them out into flats, one with a wagon to cart to the house where they are to be planted, a couple to dig holes, two good men to plant, and one at least to pound down. Six or eight men working well together will plant 4,000 young plants in a day if the beds are already prepared. In planting it is well to grade the plants as they are set out of the flats, placing the largest ones in the back row and the smallest in the front. I would not leave too much dish around the plants, as with the frequent syringings necessary at this time, it collects too much water.

OLDER PLANTS.

In replanting one year or more old stock, we use no line or marker, but commence on one end of the house digging up, cleaning out old loam, throwing in new and resetting at one time. We do not like to do more than necessary of this, for it takes five men a month to go through 10,000 square feet of bench and thoroughly overhaul it, and costs $1,000. Three years seems to be about the limit of age for profit. It has been said that Richmond should be replanted every year; this is not necessary with us, and others report the same. A feature of Richmond is that while grafted stock makes a larger plant in the fall, giving one or two crops before the own-root plants come into bearing, in the middle of the winter the own-root stock is livelier than the grafted, and will throw up long shoots from the bottom four to six weeks earlier.

After planting, we give a thorough watering around the plant without wetting the whole bed, and after that we give no more water for from one to three weeks, as the case may require, but rely on syringing and cultivating to keep things moving. Keep the soil stirred once a week among newly planted stock. It can be done quicker than the weeds can be pulled out, which come if the soil is not scratched over, and is of incalculable benefit to the plants. As soon as the planting is finished, all left over plants can be planted in the field and, unless required, may be left there until just before the ground freezes in the fall, when they can be brought in and potted or planted thickly on a bench in a cool house, where they will make good plants for Easter or Memorial Day. If lifted about September 1 they will make acceptable plants in pots for Christmas. Liberty makes a splendid rose for this purpose. If established in pots in the summer and treated as a hybrid in early fall, it can be well flowered for Christmas.

TREATMENT OF SURPLUS PLANTS.

If needing room now for replanting, any healthy plants to be dug up, if potted, will be fine for Memorial Day. Last year we had 800 plants of Liberty in a house with Bride and Bridesmaid; they did well up to Christmas, after that they refused to work. About the first week of March we trimmed the weak wood out of them, and, as they grew, kept them pinched back until April 15. Between May 15 and June 15 we cut over 10,000 good flowers from these plants. About eight weeks before Christmas is late enough for the final pinching back for Christmas flowers. This method of holding back flowers is not so new as some may imagine, as it was practiced in the middle west, 20 years ago.

In regard to drying off plants to be carried over to another year, more harm is done by too much drying than otherwise. The beds will dry naturally in the heat of the summer; the wood should never shrivel and the foliage should be syringed enough to keep down spider. The summer treatment is where local conditions and soils call for different treatment.

Syringing is another operation which calls for discretion. Is it paradoxical when we read, "Do not let roses get soft," and "Do not let them get hard," in notes written on the subject? The softness to be avoided is of the foliage and young shoots caused by insufficient air, too much fire and syringing; the hardness to be guarded against is of the older wood caused by too low a temperature and not enough syringing. And this operation varies with the seasons. Commencing now with the increasing sun and still lots of fire heat at night, evaporation is rapid and heavy syringing is in order to keep the foliage clean and large. Special attention should be given to the ends of benches where pipes may be nearer the plants, and dry walks should be damped down every day. If a general syringing is not given every day, the plants should at least get a spraying through the bottom from every other walk. I believe in afternoon syringing in the summer time, especially for young and replanted stock. I would not do this later than four o'clock, not on cold or wet days, and would discontinue it as soon as the nights get cool. As the fall approaches, it must be done early in the morning, so that the plants can dry off before night, or mildew and black spot will soon make their appearance. In the winter when the plants will not dry, the syringings have to be cut down to about one a week, and even then some varieties have to be shaken to remove the surplus moisture, or they remain wet over night. At this time we rely on frequent damping down of the walks and boards, combined with spraying through the bottom of the plants, to keep the wood soft and induce it to break.

Disbudding is another detail which must be attended to at the right time. When the plants are growing fast, this should be gone over at least every other day.

MULCHING.

Mulching is another important matter; right now is the time to apply a coat if not already done, if good flowers are wanted for the next three months. I believe that September 1 is late enough to mulch for Christmas flowers. If applied later, when the days are shortening, it is difficult to dry the plants out and make them break properly. We apply a light dusting of bone flour, about 100 pounds to 2,000 square feet of bench surface, and then for the same space, from one half to three quarters of a cord of good cow manure chopped up with dry loam and a little lime. In a few weeks this becomes a part of the bed, as it will crumble and can be leveled down and is in good condition later to receive liquid manure. If topdressing has to be done later, I would lay it in ridges rather than blanket the whole bench with it. We find pails of wood or zinc the handiest things to use for applying top dressing. Here again, five or six men can work together to good advantage, and will cover about 5,000 square feet in a day.

CATTLEYA HYBRIDS JUST REPOTTED IN LEAF MOULD, AT ST. ALBANS, ENGLAND.

Fumigation must be attended to regularly, and the proprietary articles sold are cheaper in the end than the old fashioned tobacco stems. A little sulphur should always be kept on the pipes to keep down mildew, remembering that prevention is better than cure. When flowers are not selling well, the plants require particular attention, as poor stock is of no value in a falling market.

VENTILATION.

Ventilation is of the utmost importance in rose growing. Commencing now with the warm spring days approaching, a little air should be given early in the morning. Soon the temperature will begin to rise before 7 a. m. and if air has not been carried all night, the night man can put on a little on his last round. I like to anticipate the rise, and by frequently raising the ventilators a little, always keep ahead of the game, and, by this method, the houses never get so hot in the spring time and the plants are kept healthy and clean. It is important that the houses be kept clean at all times, with no muddy places or water standing in the walks, especially when the firing is reduced to a minimum.

The flowers should be cut as early as possible in hot weather and be placed at once in clean water. It is noticeable that every man's stamp is on his own products. A man handling roses in a store, can tell, without any distinguishing mark, who grew this lot, or where these flowers came from.

NEW VARIETIES.

In conclusion, a few words about the new varieties. It is the part of wisdom to go slow unless you know what they are. Descriptions are often misleading, and the only way to find out is by experience. Take No. 1 for instance. A friend writes me, I intend to plant 5,000 plants of this, and by the way, I have not heard of any fault which this rose has. No. 2 on the list he thinks enough of to put in 2,000 plants. I saw this exhibited some time ago and remarked to a friend that the flowers did not look perfect. He thought that this rose would produce a large percentage of deformed flowers. Speaking to another man who had seen the flowers, and asking his opinion, he said the flowers looked as if they had been fumigated. Take No. 3 which I picked out for a winner; looking over a large place recently, I had pointed out to me two plants growing on the end of a bench, and was asked why they did not grow like the others which were a standard kind, and growing luxuriantly. I could not tell why; they all looked exactly alike; the chances were in favor of the two plants doing nothing; the answer was, those are No. 3. I said things then which I will not repeat here, for I had ordered a few of that kind. Take No. 4 condemned by several good growers. I asked one large grower what he thought of it, and he said, I have ordered it and wish that I had not. The next man says, don't believe all he tells you.

I think that undoubtedly, when White Killarney comes on the market, if it proves to be a good shipper, it will be an acquisition, as it possesses the good growing qualities of its sister, Killarney. In seeking information, after asking several questions of a friend, I finally asked him one, and I think that he truthfully replied, "That's what I am trying to find out;" so with us all.

Hog Manure for Roses.

ED. AMERICAN FLORIST:—

I have a big pile of soil scraped from a spot where there was a hog pen for seven or eight years. Can I use this for roses? I intended to mix it with rose soil but my friends tell me it won't work. Can you assist me in this? J. L.

Unless too much is used it will be all right as the manure is very strong and dangerous in large quantities. We would advise you to use not more than one part in 20 at first and you can always add more as a top dressing if it seems to be needed. G.

CYMBIDIUM EBURNEUM.

ORCHID NOTES.

CATTLEYA SUPERBA needs more heat than most other cattleyas.

WATER calanthes freely when the roots are taking well to the new soil but not before.

ALWAYS keep Cattleya Dowiana aurea, the varieties of C. gigas and the hybrid C. Hardyana well up to the light.

PROPAGATE Dendrobium nobile and the hybrid forms now by cutting the stems and laying them on pans or boxes of moss.

A STUDY of the roots of orchids and the way they are working in the compost is an index as to the amount of watering needed.

VANDA COERULEA likes plenty of air and a cool, light house. The roots should be confined to small pots or baskets or the plants will not flower freely.

Orchids in Leaf Mould.

Partly, no doubt, owing to a scarcity of good peat, but probably more owing to the fine odontoglossums exhibited by the Belgian growers at the Temple and other shows of the Royal Horticultural Society, British growers went quite largely into the culture of orchids in leaf mould a few years ago. Where the culture was understood and where the right kind of leaf mould was used the plants did remarkably well, but in many cases the growers treated the plants much the same as they had been used to doing in peat and moss, and, in consequence, the leaf mould soon got into a wet, close condition, the roots failed and the health of the plants suffered.

The Belgian leaf mould is a very different substance to that gathered about British woods and gardens. It is a sharp, hard material in which the leaves have not rotted into a close mould but have hardened and broken up. It is also full of a kind of coarse grit that insures æration and allows of the free passage of water. As long as this was kept comparatively dry, there could not possibly be a better or more natural medium for orchid roots, and the odontoglossums referred to above as put up by the Belgian growers were among the finest examples of cultural skill that have ever been shown. The most generally successful among the growers were they who potted their plants in the genuine Belgian leaf mould and surfaced this with sphagnum moss to conserve the moisture rather than water the compost heavily. Others who used ordinary leaf mould and watered the plants in the usual way were not successful, but quite the opposite, and, for this reason, growing orchids in leaf mould never got much

beyond the experimental stage though when carried out properly it is good practice.

The illustration shows a house of cattleyas at Sander & Son's, St. Albans, England, making a good growth in leaf mould. Although we have no data on the subject doubtless this firm's Belgian connections enable it to obtain the best

A FAMOUS FRENCH GARDEN.

Partial View of Grounds Surrounding the Former Residence of Worth, the Noted Parisian Costumer.

class of leaf mould at first hand and this would in some measure account for the successful growth. But in this country where there is plenty of good swamp peat or fern root there is no need to trouble about leaf mould for cattleyas. The excellent growth made in the former material could not be improved upon and this makes a perfect root hold for cattleyas. Whether odontoglossums could be more successfully grown in leaf mould here or not remains to be proved. It is the general opinion that the heat of the summer is too great for these cool species to be satisfactory, but it must be remembered that years ago, the same thing was said about European countries where now some of the finest odontoglossums in the world are grown.

Cymbidiums.

Although a fairly large genus numerically, cymbidium is not a popular one, if we except a few well known species and hybrids. The flowers are attractive and extremely lasting, in one instance especially—the well known C. Lowianum—the flowers of which last for months on end if kept in a moderately cool house. One of the most charming of all is the species illustrated, C. eburneum, which is an early spring flowering plant of great merit. It bears large, handsome flowers, deliciously fragrant, the sepals pure ivory white, the petals and lips stained with yellow, making it most attractive. In the young stage C. eburneum has a distinctive pseudo-bulb, but with age the plant assumes a kind of distichous leaved stem and the flower spikes occur between the leaves. A native of the East Indies, it thrives well in a warm moist house.

C. giganteum and C. Lowianum are two species a good deal alike in habit, so much so, in fact that they cannot be distinguished when out of flower and the cool fernery, where, owing to defects in the heating system, we could not keep the temperature much above 40° on cold nights and which was comparatively shady owing to the vicinity of trees and buildings. Here the cymbidiums made a wonderfully free growth with fine healthy foliage and flowered every year most profusely. They were taken out of the house for decoration when in flower, and, owing to the large size of the plants, were not moved about much and often remained in living rooms for six weeks while in flower.

There is a hybrid between C. Lowianum and C. eburneum which was raised in England and christened C. eburneo-Lowianum. It is a very beautiful plant, with flowers having the white sepals and petals of C. eburneum and the wedge shaped crimson blotch on the lip as seen in C. Lowianum, which makes it very effective. The cross has been raised both ways and is becoming more plentiful owing to the strong growth and the ease with which it can be propagated.

These cymbidiums like a much more substantial compost than the majority of orchids and we have been most successful with a mixture of three parts good sound loam and the fourth part peat and chopped sphagnum moss. If some good sharp leaf mould can be obtained this is also a good addition, and the whole should be kept in good mechanical order by the addition of plenty of rough crocks and charcoal. When healthy, the plants extend very rapidly and soon become immense specimens, but when they once get into really bad order they may as well be thrown away, for they seldom recover to amount to much. While growing freely cymbidiums like plenty of water, both at the roots and in the atmosphere, and unless they get it the foliage soon gets overrun with insects and they cease to be satisfactory. When the growth is quiet, reduce the water supply considerably, but at no time is drying off, as practiced with dendrobiums and other deciduous orchids, necessary.

A Famous French Garden.

We are fortunate in having secured for publication views of the beautiful home and surroundings of Worth, the fashionable and artistic costumer of Paris, which, since his death, have passed into the hands of Jack Harris, formerly known as Chicago's most fashionable tailor. For years Mr. and Mrs. Harris conducted a successful business in Chicago, spending several months each year in the French capital. Last fall, on retiring from business, the Parisian home was bought. This is one of the most famous gardens in that country where the gardening art has been brought to so high a standard. The home and surroundings embrace an entire city block. Pansies, violets and other semi-hardy flowers bloom here all through the winter. Just outside of the bounds of our pictures are two greenhouses.

A FAMCUS FRENCH GARDEN.

Partial View of the Former Residence of Worth, the Noted Parisian Costumer.

STORE OF CHAS. A. DARDS, MADISON AVENUE, NEW YORK, AT EASTER.

THE RETAIL TRADE

KEEP out of the rut with design work. Customers like something original.

MAIDENHAIR FERN must be kept in a closed box where no air can reach it. The dark green fronds last better than the light.

A TELEGRAPHIC order recently received by the Memphis Floral Co., Memphis, Tenn., read as follows: "Express today, C. O. D., one yard carnations, funeral."

Chas. A. Dards, New York.

The accompanying illustration shows the interior of the store of Chas. A. Dards just at the beginning of the Easter rush. The store is located at Forty-fourth street and Madison avenue, New York, being but two blocks from the Grand Central station. Mr. Dards has long been a successful retailer, his store being noted for the good quality of the stock carried and a business policy of promptness and fair dealing. The whole field of the retailer is well covered, noteworthy being many fine wedding and dinner decorations in their respective seasons. In the illustration, baskets and boxes of various combinations of popular plants are shown with fine effect, though it falls short of doing justice to such a collection.

Notes on Window Boxes.

Nothing is so great an aid in breaking up the dull monotony of city and suburban streets as fine shade trees and window boxes. The shade trees are often supplied by the authorities, and public spirited citizens like to have window boxes as good as those of their neighbors to say nothing of the pleasure they take in the plants themselves. This window box filling and the looking after of the plants after they are filled is a lucrative part of the florists' business and any retailer or small grower who does not lay himself out to get some of it misses a chance safer and easier to make money at than holiday cut flower or plant trade. The class of people who like to see their windows neatly and effectively treated with plants is usually a class that is worth cultivating for other lines, and in few other ways has a florist a better chance to show what he can do in the way of tasteful and lasting plant arrangements.

There are places, of course, where rich owners want constant change in their window boxes and where a great deal of money is spent on plants for the purpose of keeping up a constant show of all the best plants in season. This means a lot of money and the number of such places is few, while most even of these have their own gardeners. The class of window box trade most generally profitable to the retailer is that which demands an effective display of flowering plants and vines followed in fall and winter by a few hardy evergreens and small conifers, and a display of bulbous flowers in the spring. The cost of this is not too great for people of fair income and the amount of money spent by hotel keepers and others is also very large. Florists should get after this trade and not be satisfied to turn out a box and then leave it, but make arrangements with the owners to have the care of such boxes all the year around.

The first detail in connection with this work is to provide a good class of soil. The space is small and, if good results are to be obtained, the soil must be rich enough to encourage and maintain a vigorous growth in the plants. Owing to the position of the boxes, feeding with animal manures or the ordinary manure water is out of the question. It is necessary then to have in the soil at first plenty of a good lasting artificial fertilizer such as bone dust or finely broken bone as well as something more stimulating like nitrate of soda or sulphate of ammonia. It will not do, of course, to run to the opposite extreme and make the soil so rich that plant roots will sicken in it. Make it good and keep it good all through the season by frequent applications of chemical or artificial manures and by careful attention to watering.

The small space in many boxes renders it absolutely necessary that watering must be light and frequent rather than heavy. Heavy waterings not only

swill away much of the feeding properties in the soil, but the surplus water runs down the walls and over the sills of windows below, which would not be tolerated. The very position of the boxes, high up often and fully exposed to sun and air, makes frequent attention to watering necessary, for if once they are allowed to get really dry the amount of water needed to thoroughly moisten them would be excessive. And when the soil is allowed to be sometimes very wet and at others perfectly dry, the action of the chemical manures is hindered. In most cases light spraying overhead is also necessary. It is always necessary until the plants are thoroughly established at least. In dusty streets this spraying is absolutely necessary or the plants would be one mass of dust in a short time. These details have not, of course, always to be attended to by the florist or his helpers, but he should always be prepared to instruct the owners or their janitors or servants what to do and when and how to do it.

Somewhat close planting is advisable for window boxes. The season of growth is so short that the plants have not time to fill out much and a display is looked for by owners right from the start. The grower has, in fact, to forget that he is a grower for the time being and bend his energies towards making a show regardless of the future of the plants. Vines of the vinca, tradescantia or thunbergia order should be good, well furnished plants that will fill up the front of the boxes well and hide most of the sides at the time they are set out. Geraniums, marguerites and other flowering plants should be either in flower or rapidly advancing for flower and coleuses, dracænas and other foliage plants should be bright, well furnished specimens with good leaves. Such plants create a good effect at the start and the customer is better pleased with a box that looks well, than one that promises great things in the future. To do this a certain amount of overcrowding is almost inevitable as the growth of the plants develops, but a little judicious pruning will put this right in the box while the vines are seldom too full.

With regard to what to plant in the boxes there is a great variety of plants to choose from. Good, well flowered geraniums are a great aid and these with vincas (green and variegated) and marguerites are quite indispensable. Unless there is a good stock of these on hand they should be obtained without delay. Ivy-leaved geraniums are also extremely useful and should be prepared in quantity. The old Tropæolum Canariense is a fine vine for training from the box up the sides of the window or other ways while Thunbergia alata, with its handsome deep green foliage and pretty orange or buff flowers with deep colored eye is a free flowering and excellent vine for trailing over the fronts. Abutilons, coleuses, fuchsias, dracænas, mignonette, dwarf and climbing nasturtiums, begonias, both flowering and foliage, and Cyperus alternifolius are all useful, while in some cases dwarfer plants, such as lobelias, achyranthes, sweet alyssum and similar subjects can be used with good effect. These by no means exhaust the list of suitable plants for the purpose and many fine combinations may be worked out with these and other subjects, the details of which must vary according to the price of the work and other circumstances.

Cape Jasmine Shipments.

It is something of a coincidence that just after the first shipment of jasmines north and east a norther should blow up and sweep over the whole west and southwest. This tender and much prized flower—among the most fragrant in the world—passed through Houston, Tex., from Alvin packed, in charge of the Wells Fargo Express Co. It was the first shipment of the season and was sent by C. W. Benson & Co. of Alvin to one of their regular customers, to be delivered at a point north of the Ohio river. The Wells Fargo Co. made special arrangements for handling these delicate flowers and the firm expects to handle millions of them this spring. The season for shipping them lasts only about six weeks, but during that time thousands of dollars worth are sent away from Alvin and Houston to lovers of flowers in the cities of other states.

The orders come from all parts of the middle states, on special dates, such as Decoration day, and events of a similar character. Through Mr. Benson it is learned that orders begin to come to the growers 10 days or more before the time for shipments, and when the date for starting arrives they are moved by hundreds of thousands. The express company has its schedules down so fine that the flowers reach the destination within an hour or so of the time they are wanted, and when received are in perfect condition for use, being as fresh and fragrant as when shipped.

It appears that the active workers and growers about Alvin and Houston have a monopoly of the jasmine, there being no other place that is regarded as a competitor. It might be a pardonable pride to say that Alvin fills orders that come from New York and Canada. The method of handling these flowers has been so satisfactory that the perishable feature is almost eliminated from the flower as a risk.—Houston Post.

HOOSICK FALLS, N. Y.—Arthur O. Curtice has purchased land at the corner of Wilder avenue and Snow street on which he will build greenhouses.

NEW LONDON, CONN.—S. J. Reuter & Son are busy from early in the morning until far after closing hours to keep up with the demand for their plants and cut flowers. The design department is busy filling funeral flower orders and the pot plants hardly arrive from Westerly, R. I., in time to meet the growing demands. There is little evidence of hard times at that store. The Easter trade was unusually large and rarely in the past has business kept up so nicely after the Eastertide rush. The greenhouses at Westerly are experiencing the same good business.

DESIGN BY LINDSAY THE FLORIST, BIRMINGHAM, ALA.

Composed of Callas, Roses, Carnations, Hyacinths, Lily of the Valley, Narcissi, etc.

To Be Done Now.

IN THE GREENHOUSES.

Bedding plants must now be fully exposed to light, air and sun, nearly approaching outside conditions.

Keep a sharp lookout for cattleya fly and pull the growths out on sight where the work of the insects is noted.

See that the soil in the pots in which young Begonia Gloire de Lorraine is growing is not allowed to case over.

Box or bench tuberoses and let them get well established before forcing.

Keep the grafted plants of roses well apart. If they grow into a tangle many will be broken out when they are moved.

Keep the soil stirred in the benches planted to young stock to admit air to the roots.

Spread out all plants as far as the room at command will allow, giving the best positions, of course, to plants advancing for flower.

Sow Chinese primulas for Christmas and New Year's flowering.

Pot up castor oil plants, thunbergias and other seedlings before they get overcrowded in the flats.

IN THE STORE.

No matter how good they are, artificial flowers look cheap in a florist's store and their use is not to be recommended.

Lady Gay has been a great success for Easter and is one of the most charming of the rambler roses.

The smaller, fine-leaved begonias are excellent for plant devices and are not sufficiently appreciated.

It is not necessary to turn the store into an information bureau but everyone connected with the establishment should be able to answer questions on the plants sold intelligently.

Don't have Easter specialties lying about; anything unsold should be stored away in a dark cupboard where they will keep fresh looking for another season.

Don't be too emphatic in telling customers to throw away plants that have lost their freshness. They are often valued for the giver, or some other associations.

OUTDOORS.

Sow a few radishes with carrots to mark the rows for early cleaning.

Herbaceous peonies may be moved now if absolutely necessary, but are better left until early autumn.

Finish pruning the gooseberries and apply a mulch of good manure.

Mulch all newly planted vines and do not leave them full length, as cutting back a little greatly eases the roots.

Head back all newly planted apple and pear trees if a good shapely head is desired.

The perennial lupins thrive well in limy soils where many flowers and trees fail.

A little bonemeal and nitrate of soda helps the bare places on the lawn.

Sow pole beans to hide unsightly places in the garden. They are ornamental even if the beans are not wanted.

Have the edges of the lawn well consolidated by frequent rolling before trimming them up for the season.

An Interesting Letter.

ED. AMERICAN FLORIST:—

Allow me to call your attention to a few things which have come to mind reading articles in the AMERICAN FLORIST. About Mr. Sims' speculation as to the origin of the early flowering sweet peas; he says, "I do not believe"—"A grower in England claims"—"but I believe a stray seed had in some way got among his Captain of the Blues." Unless we know for a certainty we can only believe what seems to us most probable. And to me it seems very easy, I might say natural, that early flowering varieties should appear under such circumstances. We may call them sports—just why I don't know, since sweet peas are grown from seed and the term sport is generally applied only when a change occurs in the same individual plant. For example: in the dwarf form of forget-me-not, one shoot grows up tall like the original—sports back. I have seen that and it was on one plant, no stray seed responsible for it, for I tore the tall part off and could see the parts were severed by splitting to the center of the one central stem. [The cases are hardly analagous. ED.]

Some enterprising gardeners sow celery early and it runs to bloom, partly because of what they do and partly what the seed grower has done already—sowed seed late in the summer or in the fall, because it will bloom and make seed anyway next year. Sow tall asters late and they will bloom when quite small. We have hollyhocks that bloom the first year, salvias that bloom early and carnations that do not bunch but shoot right up and bloom. So the phenomenon of early flowering is only an adaptation to surrounding conditions and the result of influences to which the plants have been subjected. This is not always desirable as in the case of the early flowering sweet pea. When head lettuce or cabbage does not head it is trouble and we know very well what causes it.

The Late Charles Smith.

For several years I had known of the talk about a sweet scented dahlia; particularly that Luther Burbank was working up a variety or race of them. I supposed it was like the verbena, of which the dark blue sorts smell sweet. So, when I smelled a small single dahlia, which I had grown from seed and had kept for its pleasing coloring, I was not greatly surprised. I have kept only one clump, thinking the variety useful to mix a few small flowers with a bouquet of the large heavy sorts. It has a distinct odor like that of German ten week stocks. I am thinking of taking some cuttings and grow enough to have a large bouquet for the convention. By the way the sweet scented dahlia is heralded, this should be worth the trouble. I had that variety four or five years ago; that I did not throw it away is merely luck.

Who is running the parks in America? The landscape architect? He considers the financial resources and lays his plans accordingly in the matter, like some doctors and lawyers in their cases. But he wants the case. The committee consists of business or professional men, shoe or hat dealers, druggists, editors or doctors. They consult the architect, take a trip to some park to look at it and buy things. Carolina poplars and sycamores were bought in Philadelphia for this town. And the excellence of the park is proved by what it has cost.

E. B.

Rose Capt. Aaron Ward.

The new rose Capt. Aaron Ward is a seedling of Richmond which pleased Capt. Ward when at the establishment of the E. G. Hill Co., Richmond, Ind., recently and was named in his honor. Capt. Ward is probably the most accomplished rosarian in the United States, having a splendid rose garden on Long Island which he personally superintends and cultivates. Pernet-Ducher, the well known French specialist in roses, two years ago named a magnificent hybrid tea for Mrs. Aaron Ward, a beautiful combination of cream and orange, which is destined to become one of the most popular of tea roses, and E. G. Hill is certain that the beautiful red hybrid tea admired by Capt. Ward will prove a worthy companion to M. Pernet's fine variety; it is a good double, has the reflexing form of flower noted in Richmond and is a beautiful shade of bright red, besides being an extremely strong grower.

OBITUARY.

Charles Smith.

Charles Smith, who for about 40 years has been identified with the cut flower and plant trade of New York, died at his home in Boundbrook, N. J., of pneumonia April 30. He was born in London, Eng., 63 years ago. When about 20 years old he came to this country and worked for a time as a private gardener, on estates in the vicinity of New York. In the early seventies he for a time conducted a retail store at Fifty-seventh street and Sixth avenue. Later, he abandoned the retail branch of the business and went into growing at Long Island City, where he remained until the early eighties, growing plants and cut flowers for the New York market. About 1881 he bought land at Woodside, L. I., and erected greenhouses which formed the nucleus of what is now a range of 30,000 square feet of glass, and where cut flowers are extensively grown. Two years ago he bought land and erected about 10,000 square feet of glass at Boundbrook, N. J., leaving the management of the Woodside range to one of his sons.

He was a member of the New York Cut Flower Exchange from its organization and six years ago he opened a stand in its market in the Coogan building, where a wholesale cut-flower business has since been conducted. Up to his final illness, which lasted but a week, Mr. Smith was an active man for his years, making frequent trips between his Boundbrook home and his New York interests. Though of an unassuming and retiring disposition, he was a man of fine character, straightforward and upright in his business dealings and devoted to his home and family. He was married in 1871 in New York to Miss Mary A. Crowe, a native of Arbroath, Scotland, who, with three sons and three daughters, survive him. The sons are: Frederick, Charles and Alexander; the daughters: Mrs. G. C. C. Schrader, Mrs. Theodore Erhard and Miss Alice Smith. The funeral and interment was at Boundbrook, on May 3, and was attended by a large delegation of New York florists, the following acting as pallbearers: Frank Millang, Victor Dorval, John Donaldson, Leon J. Bonnat, Chas. Beedsman and W. H. Kuebler.

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Auf Wiedersehen.

"Auf Wiedersehen"—but not good by,
She said to me—when we did part.
And ah! those words "Auf Wiedersehen"
What does it mean, "Auf Wiedersehen,"
Why not simply say "Good by?"
Yet words like these, "Auf Wiedersehen,"
Express more fondness than "Good by,"
"Good by" may mean—well, we must part,
Without a wish to meet again,
Where wish and hope the heart assures,
When we tell friends "Auf Wiedersehen."

YES, we say it again, hardy herbaceous perennials are in heavy demand.

THE area of glass insured against hail in Great Britain amounts to over 35,500,000 square feet.

FAR sighted growers realize that a great amount of time is wasted by the use of poor, worn-out or out-of-date tools.

SCREW PEGS that will not draw out of the soil look promising. They are made of wire of varying sizes for indoor and outdoor use by an English firm.

WM. R. SMITH, superintendent of the National Botanic Garden, Washington, D. C., is said to own the most complete collection of Robert Burns' works in the world.

PAPER POTS that slip upwards when the young plants are transplanted and form a protection against cutworms and other insects are meeting with favor in some places.

ARIZONA retailers found a difficulty in obtaining good lilies for Easter. Chicago shipped a great many but they arrived in some cases in bad shape while none were forthcoming from points further west.

THE American early flowering varieties of sweet peas have not, so far, proved of great value in England, possibly owing to climatic conditions, but growers are hopeful that they will do better when thoroughly acclimated.

THE Denver Post is offering many prizes to its readers for attractive grounds and yards, porches, window boxes and other decorative gardening effects. This paper also prints some excellent articles on gardening subjects.

WE are in receipt of the Proceedings of the Twenty-third Annual Convention of the Society of American Florists, held at Philadelphia, Pa., August 20-24, inclusive, containing in addition to the routine matter the excellent papers read at the meeting, together with the discussions on a great variety of live trade topics.

THE list of premiums for the joint show of the California State Floral Society and the Pacific Coast Horticultural Society is out and contains a varied schedule of good prizes for amateurs and trade growers. The show is to be held May 15-16 in the Lyric hall, Larkin street, San Francisco, and H. Plath, 510 Wyoming avenue, is manager.

THE great rose garden recently presented to the city of Paris by Jules Gravereaux, owner of the famous Bon Marche department store, is said to contain 11,000 varieties and it is the exhibition of new varieties under trial there this year at which E. G. Hill, of Richmond, Ind., has been requested by the municipality to officiate as judge of the novelties.

A Deserving Case.

We have received a communication from Michael Kelley, an Englishman, who met with an accident to his neck some years ago and this injury is developing into cancer. He is a gardener and florist of 20 years' standing, but, not being an American citizen, cannot be aided by local institutions. He wishes to go into a hospital for the removal of the cancer, but has no means and has asked for publicity for his case. His statements are testified to by a physician of standing, and also by the British vice-consul at San Diego, Calif. Mr. Kelley's address is General Delivery, San Diego, Calif., and we trust that those charitably inclined will do their best to aid their unfortunate brother gardener, as his case is a very deserving one.

National Flower Show.

About 40 members attended the meeting of the committee of 50 in the Art Institute, Chicago, March 26. Chairman W. F. Kasting presided and reports showing that great interest prevails in the show and that rapid progress is being made in preparing for it, were made by W. N. Rudd, chairman of the premiums committee; E. G. Hill, chairman of the foreign exhibits committee; Otto Koenig, chairman of the special features committee; Philip Breitmeyer, chairman of the American exhibits committee; and J. C. Vaughan, chairman of the local management committee. A report from the treasurer showed that a large number of the guarantors had paid a first assessment of 20 per cent on their subscriptions. Chairman Kasting appointed Albert T. Hey of Springfield, Ill., a member of the committee in place of the late P. J. Hauswirth. The secretary reported that 1,300 preliminary premium lists had been mailed, and more were on hand and ready to be sent to all who addressed a request to Room 1411 First National Bank building, Chicago. The American Carnation Society, the American Rose Society, the Chrysanthemum Society of America and the Horticultural Society of Chicago have offered their medals liberally as special prizes. W. N. Rudd, chairman of the premium committee, reported that $2,336 in special premiums has been offered by various private persons and firms, together with about $800 in medals and cups. The premium list offers a total of $11,023 in prizes.

Committees have been appointed by the various chairmen as follows: Executive and finance—W. F. Kasting (chairman), Philip Breitmeyer, E. G. Hill, W. N. Rudd, J. C. Vaughan, Otto Koenig, August Poehlmann, J. A. Valentine; American Exhibits—Philip Breitmeyer (chairman), Frank Traendly, George Asmus, S. S. Skidelsky, Elmer D. Smith, Robert Craig; Special features—Otto Koenig (chairman), Theodore Wirth, Leonard Kill, S. S. Skidelsky, Harry Papworth, J. F. Sullivan, W. L. Rock, A. J. Guttman, John Bertermann; Auditing—J. A. Valentine (chairman), E. B. George, Roy F. Wilcox, Otto Koenig: Local management—J. C. Vaughan (chairman), August Poehlmann, J. B. Deamud, W. N. Rudd, C. Cropp, Elmer D. Smith, J. E. Hauswirth; Exhibits, foreign—E. G. Hill (chairman), J. D. Eisele, Carl Cropp, E. B. George.

At a meeting of the executive committee held the following day Mr. Kasting appointed George Asmus chairman of the publicity committee. James H. Burdett was made permanent secretary and newspaper representative of the committee. The question of manager was discussed and the local management committee was authorized to engage one. It was determined, after a lengthy discussion, to give visiting florists, not members of the S. A. F., in good standing, the privilege of purchasing a season ticket to the National Flower Show for $1. Several amendments to the rules were proposed to the premium committee, the most important being that in all classes where it is deemed permissible, an entry fee of $1 be exacted from each exhibitor. J. H. BURDETT, Sec'y.

Adiantum Hybridum.

Emil Wohlert, of Swarthmore, Pa., makes a specialty of Adiantum hybridum, devoting his entire plant of 12,000 feet of glass to it. Mr. Wohlert cleaned up everything ready to cut for Easter week, and although prices have been less than last year, he has no complaint to make. The total cut to May 1, 1908, has been 300,000 fronds and these have sold at an average price of $12 per 1,000.

National Council of Horticulture.

The National Council of Horticulture has issued the eighth installment of its press service as follows: "Making a Flower Bed," "Dogwoods," "Egg Plant," and "Hedges." All florists should call the attention of the editors of their local newspapers to this excellent service, which may be had for the asking on application to J. H. Burdett, 1720 W. One Hundred and Fourth place, Chicago.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Every paid subscriber to the AMERICAN FLORIST for the year 1908 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—By A No. 1 good all around florist and gardener. Address
WM. KLOTZBSCH, 158 E. 19th St., Chicago.

Situation Wanted—By good grower of roses, 'mums or carnations; can give good references; state wages in first letter. GEORGE SPEER,
401 East Iron Ave., Salina, Kans.

Situation Wanted—By German, single; 14 years' experience in greenhouse culture of palms, cyclamens roses, carnations and general stock. Wants position on private or commercial place.
FRITZ BECKER, 291 Richmond Road
Stapleton, L. I., N. Y.

Situation Wanted—By experienced grower of roses carnations, 'mums and general stock; good propagator; capable of taking charge of section, or full charge of smaller place; single, American; references; state wages. Address
Key 527, care American Florist.

Situation Wanted—By an all-'round, reliable, trustworthy nurseryman; good propagator; worked in best Holland, English and American nurseries; nine years' experience; single age 23; state particulars and wages, please. Address
Key 528. care American Florist.

Situation Wanted—A No. 1 assistant gardener on private estate or public place; 8 years' experience in general greenhouse work and landscape; good recommendations; age 23 single; please state wages and particulars in first letter. Address
W. F. B., R. F. D. No. 2, Alexandria, Va.

Situation Wanted—As working foreman, Ohio, Indiana Illinois or Missouri preferred; 14 years' experience on wholesale and retail places; will produce results for you; good wages expected; will be disengaged June 15; married, 32 years old, one child. Key 529, care American Florist.

Situation Wanted—By good all around florist, single, A No. 1 cut flower grower, life experience, good worker and manager, can handle help to advantage, competent to take charge of up-to-date retail place; state wages, etc. Address
FLORIST, care of No. 236 S. Illinois St.,
Indianapolis Ind.

Help Wanted—A man to work in rose sections; state wages without board. Apply
COLE BROS., Peoria, Ill.

Help Wanted—At once young man in flower store; experienced preferred; no sleepers need apply. 595 W. Fullerton Ave., Chicago.

Help Wanted—A good grower of general greenhouse stock; must be able to do bedding; good wages; apply at once. BOEHRINGER BROS.,
325 Park Ave., Bay City, Mich.

Help Wanted—Young man as working foreman to take an interest in an established greenhouse business. Only small capital required. Correspondence invited. Address
Key 530, care American Florist.

Help Wanted—A first class rose grower to take entire charge of rose department in large greenhouse plant; must be a man who thoroughly understands his business; references required.
Key 522, care American Florist.

Help Wanted—The advertiser wants a thoroughly capable man to grow a general stock of greenhouse plants, including palms, ferns and bedding stock. Address with full particulars. W. W. SEEKINS, 109 W. Superior St. Duluth, Minn.

For Sale—27,000 feet of glass; filled with first-class stock; located in one of Chicago's suburbs; low price. Address FLORIST,
4016 N. Clark St., Chicago.

For Sale—Greenhouse establishment, built five years; 85,000 feet of glass, 15 acres of land; 100 miles from Chicago; within easy shipping distance of St. Louis and Chicago. Address
J. B DEAMUD CO., 51 Wabash Ave., Chicago.

For Sale—A bargain for a good florist stand and store opposite Woodland Cemetery; with full line of confectionery; also greenhouses of 10,000 feet of glass; offered after July 1 for $1,500. HENRY EICHOFF, 6818 Woodland Ave. S. E.,
Cleveland, O.

For Sale—Milwaukee offers a greenhouse establishment for growing for the wholesale market composed of 5 greenhouses, heated by hot water, 11 room residence; 1⅓ acres of ground. $3000 down balance in monthly installments. Inquire for details Box 775, Milwaukee, Wis.

For Sale—Greenhouses and stock; about 20,000 feet of glass, well stocked with all kinds of bedding plants, ferns, palms and cut flowers; for terms inquire of Mrs Hugo Book, College street, Worcester, Mass., or L. Midgley, Worcester Conservatories, Worcester, Mass.

For Sale—At sacrifice, good paying retail florist's business, consisting of two lots, 4 500 ft. of glass; houses well stocked with bedding plants and carnations; store with living rooms and 7-ft. basement, in very heart of thriving residence city of 10,000 inhabitants; 45 miles from Chicago. Give immediate possession. Price, $4,500; $2,000 cash and balance on time to suit purchaser.
Key 525, care American Florist.

Partner Wanted—Reliable florist with 20,000 carnation plants, good varieties, little cash, and capable of erecting greenhouse; or florist with 5,000 cash, more or less. Material now at greenhouses near Chicago; can become part owner of established modern greenhouse business Address
G. F. MORRIS 310 Ashland Block, Chicago.

SITUATION WANTED.

As foreman of large commercial or private place, wholesale or retail; life experience; German, married; fine references.
H. L. LAUSCHER, Abingdon, Va.

Rose Grower Wanted.

With not less than 10 years' experience and best references; good pay; state salary. Address
Key 521, care American Florist.

WANTED.

At the Topeka State Hospital, Topeka, Kans., a competent florist and landscape gardener; salary, $500 per annum with living. Only a thoroughly competent man need apply.
Inquire of the superintendent.

...WANTED...

All Florists using steam heat to send for our latest catalogue, which contains some very valuable information.
Address Key 512, care of American Florist.

Gardener Wanted.

We have a vacancy for a well informed young gardener of good character; salary to start $50 per month, with house, heat and light; applicants should send full particulars to
Key 531, care American Florist.

OPENINGS FOR SEEDSMEN.

Wanted two good bright men capable of earning $1,000 per year each, that are well versed in the seed business. One that has had a great deal of experience in garden seeds and some in field. Another that has had considerable experience in grass and field seeds and can take charge of shipping department and act as general foreman around warehouse. When answering, state your age, number of years experience and with whom.
Key 526, care American Florist.

Trade Directory for 1908

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1908, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 509 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

American Florist Company

324 Dearborn Street, CHICAGO, ILL., U. S. A.

Contains 509 Pages NOW READY. Price $3.00 Postpaid

FOR SPRING WEDDINGS.

Yellow Chrysanthemums Novelty of the Season, per 100, $3.00. | **Adiantum Croweanum** Strictly fancy, per 100, $1.25.

Better prepared than ever with Roses, Carnations, Lily of the Valley, Sweet Peas, Daisies, etc., all in large supply. Fine line of Baskets, Ribbons, Chiffons, etc.

A. L. RANDALL CO., Wholesale Florists, L.D. Phone Canal 1496. Private Exchange all Departments **Chicago**

HENRY M. ROBINSON & CO., Wholesale Commission Florists.

Hardy Cut Evergreens and Florists' Supplies

BRONZE GALAX, best quality...$8.50 per case, 10,000 **GREEN GALAX,** best quality.. $7.50 per case, 10,000
DAGGER AND FANCY FERNS.....$1.50 per 1,000

Laurel Festooning, Boxwood, Southern Wild Smilax, Sphagnum and Green Moss, Leucothoe Sprays, etc.

15 Providence St. and 9 Chapman Place, BOSTON, MASS.

Our Pastimes.

Announcement of coming contests or other events of interest to our bowling, shooting and sporting readers are solicited and will be given place in this column.

Address all correspondence for this department to A. F. Faulkner, 1133 Broadway, New York; Robt. Kift, 1725 Chestnut St., Philadelphia; or to the American Florist Co., Chicago.

Spring Poem.

'Tis spring, the gay, the glad, the gleeful spring!
The crocus kicks the covers from its bed;
The robin comes its madrigal to sing,
And folks have influenza in the head.
There is a haunting fragrance in the air
As though the earth the summer's scent distills:
And in the overcoat which now you wear
The mothball yet the little pocket fills.

Our hearts are filled with melody and song
At seeing the reviving trees and grass—
A voice within us, too, is calling strong
For vernal brew prepared of sassafras.
Across the fields the dandelions now
Prepare to stretch their golden belt with haste—
Inside the house, with calm, untroubled brow,
The paperhanger daubs the chairs with paste.

The glory of the hyacinth and pink,
The beauty of the larkspur and the phlox,
Within the grocer's window make us think
The seeds he sells are held in last year's box.
The turquoise sky is fair to look upon
And sends a hopeful message to the soul;
The grayness of the winter now is gone—
There but remains the bill for all the coal.

'Tis spring, the same, the dear, expansive spring!
The poet feels a rhapsody divine,
And fits his meter to the rhythmic swing
Of some one beating carpets on a line.
The iceman now emits his matin call;
The sweet girl graduate is growing wise—
She lets her cyclopedic essay fall
To read what bonnet-makers advertise.

W. D. N.

The Janitor's Mistake.

Charles Grundy, the colored janitor at the city building, has an undying love for flowers. He "stands in" with a florist who gives him all the fading buds in his greenhouse and Grundy carries them to the city building where he decorates the desks of the officials with the sweet scented flowers. The habit, says the Evansville, Ind., Courier, has earned for him the title of "city florist," which carries no extra pay with it save that of the good will he earns by his thoughtfulness for the men in the building.

Grundy recently walked into the mayor's office and deposited a big bunch of yellow flowers on the mayor's desk. Comptroller Nolan walked into the office a few minutes later and as he is dubbed "mayor" during the absence of Mr. Boehne from the city, at once decided that the flowers were for him. After looking the flaring yellow buds over he turned to Grundy and said:

"Grundy, have I done anything to make you sore?"

"No, siree." was the answer. "I am not sore at you, sir, and hope you don't feel sore at me."

"Well, then, Grundy, the letters N-o-l-a-n signify that the man who owns that name is Irish, some Irish. If you and the front end of the building leave here at the same time please don't get sore at me."

Grundy's eyes began to get big.

"And if you bring any more flowers around here leave the yellow boys somewhere else. The only place I like to see yellow is on money," continued the "mayor."

The official florist withdrew from the office and hunted up John Tinley, the white janitor and asked for an explanation. Tinley gave it to him in a hurry. Grundy didn't go back to the executive's office, but when Walter Wunderlich tried to bribe him to secure a half dozen yellow bouquets for St. Patrick's day he declared Wunderlich his arch enemy.

Meetings Next Week.

Baltimore, Md., May 11, 8 p. m.—Gardeners' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.

Buffalo, N. Y., May 12, 8 p. m.—Buffalo Florists' Club, 383 Ellicott street.

Chicago, May 13.—Gardeners' and Florists' Union No. 10615, 10-12 Clark street.

Cleveland, O., May 11, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit street.

New Orleans, La., May 10, 2 p. m.—Gardeners' Mutual Protective Association, 118 Exchange alley.

New York, May 11, 7:30 p. m.—New York Florists' Club, Murray Hill Lyceum, 34th street between Third and Lexington avenue.

New York, May 13, 4:30 p. m.—Horticultural Society of New York, American Institute rooms.

Omaha, Neb., May 14, 8 p. m.—Omaha Florists' Club, City Hall.

Pasadena, Calif., May 15, 8 p. m.—Pasadena Gardeners' Association, G. A. R. hall, East Colorado street.

San Francisco, Calif., May 15-16.—Pacific Coast Horticultural Society, Lyric hall, 513 Larkin street, spring exhibition.

Scranton, Pa., May 15, 7:30 p. m.—Scranton Florists' Club, Guernsey building.

St. Louis, Mo., May 14, 2 p. m.—St. Louis Florists' Club, Burlington building, Olive street.

Fancy and Dagger FERNS $1.75 per 1000

Discount on large orders.

New Crop Galax, Bronze or Green, $1.25 per 1000; 10,000, $7.50. **Wild Smilax,** 50-lb. case, $6.00.
Sphagnum Moss, large bales.....$1.25
Leucothoe Sprays.....$1.00 per 100; 1000, 7 50
Boxwood.....35c per bunch; 50 lbs.. 7,50

Florists in the Middle and Western States can save money by placing their fern orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,
WHOLESALE COMMISSION FLORISTS,
38-40 Broadway, All Phone Connections. **DETROIT, MICH**

THE KERVAN COMPANY,
113 West 28th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe, Ferns, Mosses and all Decorative Evergreens.

George Cotsonas & Co.

Wholesale and Retail Dealers in all kinds of
Evergreens.
Fancy and Dagger Ferns, Bronze and Green Galax,
Phone 1202 Mad. Sq.

Main Store. 50 W. 28th St., NEW YORK.

E. A. BEAVEN
Southern Wild Smilax,
Log Mosses,
Natural and Perpetuated—at Wholesale,
EVERGREEN, ALABAMA.

JOHN P. SCHERER,
Telephone 328 L Union.
636 Gardener St., UNION HILL, N. J.
SMILAX, FERNS, PALM LEAVES and all kinds of GREEN GOODS.

Sphagnum Moss and Cedar Poles.
Moss, 5 barrel bale, $1.25; 2 bales, $2.25; 5 bales $5.00; 10 bales, $9.50. **Poles,** 2-in. butt, 8 ft. long, $15.00 per 1000; 2½-in. butt, 10 to 12 ft. long, $22.50 per 1000; 1½-in. butt, 5 to 7 ft. long, $10.00 Cash.
H. R. AKERS, Chatsworth, N. J.

Killarney, Maids and Brides

Are in heavy crop now with us. Our

American Beauties

from solid benches have just come in with an unsurpassed crop of flowers. They were dormant all winter and show the advantages of the resting period. Our **Roses** are all from **grafted** stock — planted in solid benches. These produce much better flowers in warm weather as the roots have more soil to work on and don't dry out.

Our Immense Crop of Carnations

Is still on with prices down to $2.00 to $3.00 per hundred.

Bassett & Washburn,

GREENHOUSES,
HINSDALE, ILL.

Store, 76 Wabash Ave., CHICAGO.

Lawn Cultivation.

It is well to bear in mind that lawns require cultural assistance as well as any other garden crop. It is a much too common occurrence, in the stress and hurry of spring work, to overlook the top-dressing due to an impoverished lawn. We do not always realize that the constant mowing and sweeping of tidily-kept sward, cannot fail to deprive it of much natural nourishment, which should be periodically restored in a suitable form during early spring and autumn. On lawns, which have, for any reason, been comparatively neglected since autumn, no time should be lost before levelling up any inequalities in the turf, and carefully extracting all plantains and other coarse weeds or grasses. After rain the ground should be well and repeatedly rolled; first backwards and forwards from opposite sides, afterwards varying the process at right angles to the former course. In this way any parts of the surface soil which may have been loosened by frosts or worms will be effectively solidified, and the grass roots pressed firmly into position. A good top-dressing, consisting of sifted loam with a liberal addition of wood ashes and soot, may be spread over the plot, filling up all holes and forming an appreciable layer upon the entire area. Stable manure mixed with fine soil also makes an admirable surfacing.

Artificial manures are very useful on turf of all kinds, especially where well-decayed stable dung is not easily procurable. Superphosphate of lime and kainit may with advantage be mixed with the spring dressing at the rate of from 100 to 200 pounds to the acre. Where it is thought proper to encourage clover, a well-known authority recommends a dressing of from five to eight pounds of basic slag, and two to three pounds of kainit per 40 square yards, to be applied in November. Too much clover, however, is not desirable for ground upon which games are played, as it is somewhat slippery, especially in damp weather. The quickly acting stimulant, nitrate of soda, will have an excellent effect if well crushed and applied at the ratio of about 100 pounds to the acre in April. It is best given in two dressings, during showery weather if possible, with an interval of about a fortnight between each dressing. To facilitate an even distribution, the nitrate may be mixed with sifted soil. A word of caution may, however, be in season. It is, undoubtedly, a very unwise practice to apply nitrogenous salts to a starved lawn, if an adequate proportion of the other necessary plant foods are absent. Nitrate of soda is not the all-sufficing manure it is sometimes supposed to be; and when administered without first enriching the soil with the requisite basis of potash and phosphates, its exhaustive action is bound to have deleterious effects upon the vitality of the finer grasses. The unduly forced luxuriance, although gratifying to the eye, is not healthy growth, and is only bought at the expense of the enfeebled constitution of the turf.—Journal of Horticulture.

CONVENTION OF THE

American Association of Nurserymen

Milwaukee, Wis., June 10-12.

The official route between Chicago and Milwaukee selected by the Committee on Arrangements for this Convention is the

Chicago Milwaukee & St. Paul Railway

DEER PARK, ONT.—At the greenhouses of E. Grainger & Co., Yonge street, considerable activity is evident. Mr. Grainger has just finished a new greenhouse, 40x100 feet, the framework being entirely of steel, with automatic ventilating devices. The display of Easter lilies is remarkably fine.

"THE BUSIEST HOUSE IN CHICAGO."

J. B. DEAMUD CO.

Fancy Ferns
The very best in any quantity

Gladiolus, Sweet Peas, Peonies, Cape Jessamines and all other Cut Flowers. WE WANT YOUR ORDERS.

Long Distance Phone Central 3155.

51 Wabash Ave., Chicago.

Chicago.

DARK, COLD WEATHER AFFECTS SUPPLY.

The dark, cold weather of last week and this has materially shortened the supply of cut flowers. The fore part of last week saw big gluts on, with sales made at ridiculously low prices. Friday morning saw a radical change take place. Buyers found little in the line of carnations to select from, good red selling as high as $4 per 100. With the shortage on the local market the demand from the shipping trade began to swell; the cold, clouds and rain, being rather general, shut off the supply of retailers who operate glass of their own and forced them into the short market. Carnations were most noticeably affected. Roses, including American Beauty, were also affected, but the demand was not such as to affect prices materially. Bulbous stock had some outlet on Friday and Saturday, clearing up probably for the first time in many weeks. The expected larger supply of peonies has not materialized, it being understood that the unfavorable weather has materially reduced this season's crop. White daisies are plentiful, but few yellow are seen. Sweet peas are still good sale.

The J. D. Thompson Carnation Co., of Joliet, was placed in the hands of a receiver on Tuesday afternoon. This appears to be a suit to determine the management of the business, and in no way affects the retail concern operated under the name of Thompson, Florist. The business will be continued as usual with J. D. Thompson as manager under the receiver.

Geo. Reinberg has completed six of the twelve houses he is rebuilding this season and they are all ready for planting. Several hundred more orchids are about to go into the orchid house. These cattleyas Mr. Reinberg is convinced are a good thing to grow for this market as they have been continually in demand even during the glut of other stock.

All hands are getting ready for the spring overhauling at J. A. Budlong's. They do not believe here in planting stock out in the field until all danger of frost is past. In the meantime fine stock and big cuts are in order, and right now the summer American Beauty plants are the center of attraction.

Bassett & Washburn are busy replanting in the rose houses. Sixteen thousand American Beauty plants are going into two large houses, two other houses are being planted to grafted Killarney, one to Bride and another to Bridesmaid. This week the work of planting carnations in the field started.

The few fine white peonies seen this week at the Kennicott Bros. Co. were being sold at from $1 to $1.25 per dozen. E. E. Pieser, of this firm, says last year was a very light one with the early peonies brought in up to Decoration day, but adds that indications point to the crop this season being from 10 to 20 per cent below that.

Tulips in the garden in front of the conservatory at Washington park are very fine just now. Ed. Kanst is to be congratulated on selecting his varieties to flower simultaneously and make a grand display, which is evidently much appreciated by visitors.

The body of Wm. F. Gloede, the veteran florist and landscape gardener and father of Richard F. Gloede, who died at Evanston March 29, was taken from the vault to its last resting place in Graceland cemetery last Saturday with appropriate ceremonies at the grave.

Carnations are being planted in the field at Peter Reinberg's. In spite of the fact that roses are being largely replanted, big cuts are being made; 25,000 tea roses per day are being cut, including 5,000 Mrs. Marshall Field.

L. Baumann & Co. are now sending out a special folder calling the attention of the trade to their Decoration day supplies. This firm has just received a large shipment of imported pressed wreaths.

The Geo. Wittbold Co. is moving large quantities of hardy herbaceous stock. Vinca minor, or grave myrtle, is a popular thing, well grown here and much in demand.

N. C. Moore & Co., of Morton Grove, are going extensively into the business of growing pot plants. Some of their glass, however, will remain devoted to cut flowers.

W. N. Rudd has a fine assortment of bedding plants for Decoration day trade. He is planning to build another large commercial greenhouse this season.

Sinner Bros. have already planted their carnations in the field and are now thinning out their roses and planting young stock.

Florists' Club meeting at The Union restaurant, 111 E. Randolph street, Thursday evening, May 7, at 8 o'clock.

The J. B. Deamud Co. is receiving fine lilac in large quantities and it is said to be selling well.

A. Lange says he uses 10,000 select roses per day at his Madison street store.

Griffiths, the North End Florist, opened at 160 E. North avenue, Saturday.

Wietor Bros. have finishel planting their carnations in the field.

Frank Oechslin has received a carload of imported bay trees.

The E. F. Winterson Co. is meeting with a good advance sale of Decoration day supplies.

Visitor: W. W. Seekins, Duluth, Minn.

Kennicott Brothers Company,

WHOLESALE

CUT FLOWERS.

48=50 Wabash Ave.,

CHICAGO.

Red Peonies Now

All Colors in 10 Days

Price

5 Cents.

We will have anything in the line of

Cut Flowers and Greens

that you may want if anybody has at Chicago market prices on day of shipment.

KENNICOTT BROS. CO.

L. D. PHONE, CENTRAL 466.

48-50 Wabash Ave., CHICAGO.

E. F. WINTERSON CO., 45-47-49 Wabash Ave., Chicago

WHOLESALE CUT FLOWERS AND FLORISTS' SUPPLIES.

For Spring Weddings and Commencements

You will need **Fancy Long Stemmed Sweet Peas** and **Valley.** We have them. Also **All Cut Flowers** in good supply. All stock billed at Chicago market quotations. Send us your orders for **Ribbons, Chiffons, Fancy** and **Plain Baskets** for **your Spring Decorations, Weddings, etc.** We have a large stock

Order Now for Decoration Day Cemetery Vases, Green Moss, Metal Ruscus, Magnolia and Cycas Wreaths, Doves, Sheaves, Cycas Leaves, etc.

WE HAVE A FULL LINE OF ALL SEASONABLE SUPPLIES.

Zech & Mann
Wholesale Florists
Room 218, 51 Wabash Ave., CHICAGO
Telephone, Central 3284.

Vaughan & Sperry,
Wholesale Florists,
58 and 60 Wabash Ave., CHICAGO.
WRITE FOR SPECIAL PRICES.

Poehlmann Bros. Co.
Wholesale Growers of
and Dealers in **Cut Flowers**
All telegraph and telephone orders gvien prompt attention.
Greenhouses: MORTON GROVE, ILL.
35-37 Randolph St., CHICAGO.

Roses, Lilies, Violets, Carnations and other CUT FLOWERS of best quality

E. H. HUNT
SEND FOR PRICE LIST.
76 Wabash Avenue, CHICAGO.

Florists' Supplies AND **Novelties.**

J. A. BUDLONG
37-39 Randolph Street, CHICAGO.
Roses and Carnations A Specialty.....
WHOLESALE GROWER of **CUT FLOWERS**

Chas. W. McKellar
51 Wabash Ave.
CHICAGO.

ORCHIDS
A Specialty
Fancy Stock in VIOLETS VALLEY, ROSES, BEAUTIES, CARNATIONS and a full line of all Cut-Flowers, Greens, Wire-Work and FLORISTS' SUPPLIES.
Send for Complete Catalogue.

E. C. AMLING
THE LARGEST, BEST EQUIPPED, MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.
32, 34, 36 Randolph Street, CHICAGO.
L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, May 6.

Rose, Beauty, extra fancy		4 00
" " 24 to 30-in. stems,		3 00
" " 12 to 20-in. stems,	1 50@	2 00
" " Short stems		1 00
" Killarney	6 00@	12 00
" Bride, Maid Ivory Gate	4 00@	6 00
" Liberty, Richmond	4 00@	8 00
" Chatenay, Perle	4 00@	6 00
Carnations	1 50@	3 00
Violets	40@	50
Lilium Harrisii, per doz.,	1 00@	1 25
Callas, per doz.,	1 00@	1 25
Lily of the valley	2 00@	4 00
Gladiolus, per doz.,	1 50@	2 00
Peonies, per doz.,	50@	75
Snapdragon, per doz.,	50@	75
Sweet Peas	50@	2 00
Pansies	75@	1 50
Daffodils	2 00@	3 00
Tulips	2 00@	3 00
Iris, blue		5 00
" white & yellow		3 00
Daisies, white	75@	1 00
" yellow, per doz.	1 00@	2 00
Smilax, per doz		2 00
Asp. Plu. & Sprengeri, bunch		50
Asparagus strings, each		50
Adiantum, per 100	75@	1 00
Leucothoe sprays	60@	75
Ferns, per 1000		2 50
Galax, green, per 1000		1 00
" bronze, per 1000		1 00
Boxwood, per bunch		35

WEILAND AND RISCH
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30-inch stems..... 3.00 per doz.
24-inch stems. ..... 2.50 per doz.
20-inch stems..... 2.00 per doz.
15-inch stems..... 1.50 per doz.
12-inch stems..... 1.25 per doz.
Short stems..... 1.00 per doz.
Richmond, Liberty..... $4.00 to $ 8.00 per 100

WHITE

Bride, Ivory..... $4.00 to $ 6.00 per 100

PINK

Chatenay, Bridesmaid..... $4.00 to $ 6.00 per 100
Mrs. Marshall Field, Killarney, ... $6.00 to $10.00 per 100

LIGHT PINK

Uncle John, Golden Gate... $4.00 to $ 6.00 per 100

YELLOW

Perle.....$4.00 to $ 8.00 per 100

COPPER COLOR

Sunrise.....$4.00 to $ 8.00 per 100

Roses, our selection, $3.00 per 100.

Carnations,.....$ 1.50 to $ 2.50 per 100
Easter Lilies,..... 8.00 to 10.00 per 100
Extra fancy Asparagus Plumosus ..... 50c to $ .75 per bunch
Paper White, Romans, Daffodils .....$ 2.00 to $ 3.00 per 100

Violets..... $ 1.00 per 100
Tulips.....$ 2.00 to 4.00 per 100
Callas..... 8.00 to 10.00 per 100
Valley, fancy..... 2.00 to 4.00 per 100

PETER REINBERG, 51 Wabash Ave., Chicago.

Carnival at Havana.

The flower parade and carnival which took place in March at Havana, Cuba, must have been a very entertaining and interesting event. The Cuban Horticultural Society, under whose auspices a fine exhibition was held, had a valuable reunion, and we were interested in receiving from a correspondent a picture of the first certificate issued by this society and many photographs taken at the carnival showing the beauties of the country and the wonderful tropical vegetation. El Figaro printed some fine pictures of the carnival and show. Finely decorated vehicles, driven by lovely and superbly dressed women, grand exhibits of fruit, flowers and vegetables and a great display of canned fruit were among the principal attractions of a horticultural nature.

Co-operative Cut Flower Growers' Assn.

A meeting of the proposed Co-operative Cut Flower Growers' Association was held at the Fruit Auction Co. building corner of Franklin and Washington streets, New York, April 25, and was well attended by rose, violet, carnation and other growers, representing over a million feet of glass devoted to cut flower growing, all shippers to New York market. This association is being formed with the object of operating a salesroom in New York similar to those operated by commission men, but on a much larger scale; to employ a competent manager, salesmen, bookkeeper, etc., under the direction of a board of directors elected by its members. The details of incorporation have not been settled or the amount of capitalization decided upon, but is in the hands of a committee which will report at the next meeting.

It is not the mission of this association to try to fix any arbitrary price on stock but, by concentration and organized effort, to reduce the cost of selling. In all probability a supply department will be added. Composed as this company will be of regular shippers, with a salesroom second to none in the city and efficient management and fair dealing, it will prove to the buyer it is to his advantage to deal direct with the producer. Similar concerns as this are successfully operated in other lines of business, perishable goods included, and it is claimed that the ability of many of limited capital to combine under efficient management and without incurring liability beyond the amount of their stock subscription has been one of the chief sources of the tremendous growth of this country. No stronger argument is needed to demonstrate the superior money getting capabilities of the corporate form of business than the fact that it is universally used by successful business men and the cut flower growers seem to be waking up and falling in line with the march of progress. The next meeting of this association will be held in the same place Saturday, May 9, 2 p. m., when all cut flower growers for the New York market are invited to attend. No others will be admitted.

ONE WHO WAS THERE.

Frost and Snow Damage Crops.

Frost and snow did much damage to fruit and vegetation in nearly all states of the upper and central Mississippi valley in the 36 hours preceding May 1. The unexpected visit from winter is reported as far south as Texas and as far east as Pittsburg, Pa.

In Illinois, quinces, strawberries, currants, potatoes, sweet corn, and grapes suffered, but apples, peaches, and other fruits high above ground escaped serious damage.

Garden truck and grain were hurt in Texas, but fruit was not affected.

Oskaloosa, Ia., fruit growers are in doubt as to the extent of loss from the 27° drop in temperature there. Other Iowa points believe great damage has been the result.

Heavy, wet snow fell in the Cincinnati, O., region, delaying traffic and breaking the branches of trees. Cleveland dispatches state that the storm is general throughout Ohio and that should cold weather continue, fruit will be hurt. The recent warm spell brought out vegetation to an unusual extent.

The mercury fell 33° in Kentucky. Two inches of snow is reported from several cities.

Vegetables and fruits were slightly affected by frost in Kansas and Missouri.

Rain followed a 2-inch snow at Pittsburg and the temperature is two degrees above freezing. Unless it gets colder it is believed vegetation will escape injury.

Thousands of acres of garden products and hundreds of flower beds were ruined by frost in western Wisconsin and southern Minnesota. Fruit buds were killed and strawberry plants frozen at a loss of many thousands of dollars.

Too Hard to Pronounce.

A well-dressed man entered a florist's shop near the city hall, recently, says the Philadelphia Record, threw down a dollar, and said he wanted some flowers to take home. He was quite unsteady, evidently tapering off a spree, and the flowers were apparently intended as a domestic peace offering. The florist picked out a collection of hyacinths, and the caller started to leave, but at the door hesitated. "I say," he said, thickly, "what's these flowers called?" "Hyacinths," said the florist. The customer shook his head, and, as he walked back to the counter, said: "Gotter have something easier. Gimme a dozen roses."

FOR MAY AND JUNE WEDDINGS we offer extra select Lily of the Valley, Bride and Bridesmaid Roses, and of course a full line of all seasonable Cut Flowers and Greens. Try us. We have the stock and can take care of all orders.

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Phone Main 584.

Destroying the Trailing Arbutus.

Botanizing public school teachers and pupils, and also that class which picks wild flowers just for the sake of having them, are lumped together this spring by farmers who have patches of trailing arbutus in their woods, and neither botanizers nor despoilers will be able to secure much of the coveted flower this season, says the Pittsburg Gazette Times. The trailing arbutus is everywhere prized for its fragrant rose-colored or white flowers, which appear in early spring. If lovers of arbutus contented themselves with picking the flowers nobody would object, but the method of gathering followed for many years in this neighborhood has almost driven the flower out of existence.

The arbutus is a creeping plant, its joints throwing out roots which fasten to soil, to rocks, to rotten wood, to anything that furnishes the little claws a foothold. If the flowers were gathered by the stem like other flowers are plucked the plant would not be injured, but the stems are tough and a pull at them dislodges the roots, and so arbutus gatherers are never seen with bunches of flowers, but with long strands of the vines. A small party soon makes sad work of a patch of the plant.

Farmers are now protecting the birds among which they as boys went birdnesting; they are careful about allowing cattle and sheep to pasture in their woodlots, because the animals destroy so much young growth; they are learning to love flowers and, regretting the gradual disappearance of the trailing arbutus, they will treat botanizers and the reckless flower gatherer alike. Some farmers are thinking of putting up notices forbidding the gathering of trailing arbutus in their woods, but as the notices would attract attention to the existence of the plant on their grounds, they will content themselves with warning off trespassers who may discover the places where the arbutus grows.

Wholesale Flower Markets

BUFFALO, May 6.

Roses, American Beauty	3 00@30 00
" Bride, Bridesmaid, Meteor	4 00@10 00
Carnations	1 00@ 3 00
Lily of the valley	2 00@ 4 00
Smilax	15 00
Adiantum	50@ 1 50
Lilies	4 00@12 00
Galax, per 1000, $1 50	
Ferns, per 1000, 2 00	
Violets	40@ 75
Mignonette	2 00@ 4 00
Narcissus	2 00@ 3 00
Sweet peas	40@ 75
Hyacinths	2 00@ 3 00
Tulips	2 00@ 3 00
Daffodils	2 00@ 3 00
Asparagus Sprengeri, per bunch,	25 50
Asparagus plumosus, per bunch,	25@ 50

CINCINNATI, May 6.

Roses, Beauty, $1 00@$ 4 00	
" Bride, Bridesmaid	3 00@ 6 00
" Richmond	3 00@ 6 00
" Golden Gate	3 00@ 6 00
" Ivory	3 00@ 6 00
Carnations	1 00@ 3 00
Lily of the valley	2 00@ 3 00
Daisies	50
Callas	10 00
Harrisii	12 50
Dutch hyacinths	3 00@ 4 00
Narcissus	3 00
Smilax	12 50@15 00
Daffodils	2 00@ 3 00
Tulips	2 00@ 4 00
Asparagus plumosus and Sprengeri in bunches, per bunch, 25c	
Eastern Ferns, per 1000, $2 00	
Galax, Green and Bronze, $1 00	
Snapdragon, 75 per doz	

ST LOUIS, May 6.

Roses, Beauty, long stems	2 50@ 3 00
" " medium stems	1 50@ 2 50
" " short stems	4 00@10 00
" Bride	2 00@ 6 00
" Bridesmaid	2 00@ 6 00
" Chatenay, Richmond	2 00@ 8 00
" Killarney	2 00@ 6 00
Carnations, common	1 00@ 1 50
" best	2 00@ 3 00
Smilax	12 50
Asparagus Sprengeri	1 00@ 2 00
" plumosus, strings	25 00@40 00
" cut sprays	1 00@ 2 00
Ferns, fancy, per 1000, $2 25	
Lily of the valley	3 00
Callas	6 00@10 00
Sweet peas	20@ 75

MILWAUKEE, May 6.

Roses, Beauty, 75@ 3 00	
" Liberty, Chatenay	3 00@ 8 00
" Bride, Bridesmaid	3 00@ 6 00
" Meteor, Golden Gate	3 00@ 6 00
" Perle	4 00@ 6 00
Carnations	1 50@ 4 00
Smilax, $2 00 per doz.	
Asparagus, sprays	3 00
" Sprengeri	2 00@ 3 00
Lily of the valley	3 00
Adiantum	1 50
Common ferns, $2 00 per 1000	
Harrisii lilies $6 00@ 8 00 per 100	
Tulips	2 00
Daffodils	2 00
Sweet peas	50@ 1 00

400

Dracænas

For sale in 4-in. pots, 10c each.

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ST. JOHN, N. B.—McLean & Chartton state that the florists here report a good Easter trade. There were a few nights of hard frost followed by rain which kept a good many indoors that would probably have bought.

New York.

BUSINESS DULL.

Last week was extremely dull and even Saturday brought little or no relief. Prices were about what the buyers would offer, and there was a lot of stock that nobody wanted, which was finally lost. The weather has been cool and there is plenty of good stock coming in, but buyers are needed. Though there are weddings and social entertainments taking place, it now seems more fashionable to use spring blossoms than cut flowers. It is believed that after the discouragements of this season many growers will pull out old plants and begin their preparations for planting earlier than usual; that may reduce the surplus under which the market is groaning. In the meantime reports come in of new houses projected or being erected; wholesalers are preparing to refit, or move into better quarters, and the general tone is hopeful.

At John Condon's range, near Greenwood cemetery, Brooklyn, there are now ready for bedding out over 50,000 coleuses, 35,000 geraniums, and 100,000 alternantheras. In addition, there is a large stock of the plants most used in cemetery vases. Practically all of this large stock will be used in Greenwood, as Mr. Condon has charge of many lots there. Unless the cold snap is protracted, bedding out will begin at once.

Alexander Donaldson, a young man well known to those who frequent the New York Cut Flower Exchange, and a son of John Donaldson, of Elmhurst, was married at Grace church, in this city, April 29, at 5 p. m., to Miss Octavia Clapton, of Whitestone. There are many kind wishes for the future happiness and prosperity of this young couple.

The next monthly meeting of the Florists' Club will be held in the Grand Opera house, Twenty-third street and Eighth avenue, May 11, and now that the rush of work is about over, there should be a good attendance from all branches of the trade.

There is a rumor afloat that a parcel of Twenty-eighth street property will soon change hands, and that an enterprise of great importance in the cut flower trade will be located there. The property in question is between Sixth and Seventh avenues.

Alfred Kotmiller, a popular designer and decorator, who during the past season was with Thomas Young, Jr., in his Fifth avenue store, sailed for Europe last week for a vacation.

P. Bogart, a Sixth avenue retailer, had an extensive job of decorating the pillars of the immense St. Patrick's cathedral with laurel for the Catholic centennial.

John Weir's retail store, on Fulton street, Brooklyn, is one of the busiest places in that thriving borough, and few stores handle as many flowers.

Syracuse, N. Y.

The florists having had a rest since Easter, are now busy preparing for the spring plant trade. P. R. Quinlan & Co.'s force has been kept moving quite briskly since Easter, having several large weddings on, the past week, in town, as well as executing a fine order for wedding bouquets used in Oswego. Good spring stock seems to hold out well, plenty of hyacinths, daffodils, etc., being shown.

H. F. Bellamy, foreman for L. E. Marquisee, and Miss Lulu C. Andrews, were married Easter Monday. They have the best wishes of their many friends.

DEW.

JACKSONVILLE, FLA.—Mills, the Florist, did less business than usual at Easter and at prices not quite so good. Lilies were scarce and sold well both in pots and cut and pot azaleas, callas and hydrangeas were also good property. Business must have been better taking the city as a whole as there are now two more florists than last year.

Summer Beauties

We are now on with our crop of Summer Beauties. Fine color, stem and foliage—better than can be cut at this season from stock that has bloomed all winter.

CHOICE ROSES

A SPECIALLY HEAVY CUT OF

Maid, Bride and Richmond

CARNATIONS

FINEST QUALITY HEAVY SUPPLY

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Roses and Carnations A Specialty.....

WHOLESALE GROWER of CUT FLOWERS

Hardy Shrubs Under Glass at Kew.

Although some of our hardy shrubs have for many years been forced prematurely into bloom for the embellishment of the greenhouse or conservatory, their popularity has increased of late, and we now find a greater variety of subjects so treated than was at one time the case. At the end of February and early in March forced shrubs of different kinds contributed largely to the display in the large greenhouse (No. 4), and in the temperate house, quite large bushes of some of them serving to lighten up the latter structure in a remarkable manner.

Rosaceous plants are, as usual, strongly represented, particularly noticeable among them being Spirea arguta, which is one of the very best shrubby spiræas for the open air as well as for forcing. A second species, Spiræa prunifolia flore plena, has the leafless branches wreathed for some distance with clusters of pure white double blossoms, whose clearness of tint is intensified by contrast with the dark-colored bark, which, in some instances, is almost of a blackish hue.

That delightful member of the cherry family—Prunus pseudo-cerasus roseo plena—has very large double flowers of a delicate pinkish tint, while the dwarf-growing Prunus Japonica, known also by the specific name of Sinensis, has two charming double-flowered varieties, one pure white, and the other tinged with pink. In any selection, however limited, of plants for forcing, Prunus Japonica, as represented by one or other of its double forms, is certainly entitled to a place. Prunus triloba, with double pink flowers, varying in depth of coloring according to the amount of exposure they have received, is fully recognized as most desirable for forcing, and large numbers of it are grown every year for the purpose. The double peach, represented by a rich rose-colored form, is very conspicuous in the temperate house. Pyrus floribunda, which, when outdoors, has such bright coral-red buds, is under glass almost white, but is even then very pretty, and exceedingly floriferous. The last of the rosaceous plants to mention is an old and well known inhabitant of our gardens, yet it is not often employed for forcing, though it has been treated in this way at Kew for years. I allude to the ordinary double-flowered Kerria Japonica, whose blossoms, like little yellow roses, are borne in great profusion. The bright green of the bark is, indoors or out, a notable feature of this kerria.

Next in quantity to the rosaceæ comes the different members of the rhododendron family, with which the azaleas are now included. Rhododendron Cunningham's White, or Caucasicum album, is in some nurseries grown in large numbers for forcing. A group of it in No. 4 greenhouse shows its suitability for this mode of treatment. The deciduous Rhododendron (azalea) Sinensis, which, by the way, is better known as Azalea mollis, is represented by several kinds, varying in the tint of the flowers and in other respects. The rich orange-colored Anthony Koster is one of the best of all. In addition to these the small-flowered forms of Rhododendron

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(azalea) Indicum may, in many districts, be regarded as hardy shrubs. Especial mention may be made of R. obtusum, with salmon-red flowers, and its variety album, as well as one of the amœna hybrids, viz., Illuminator, with deep purplish-magneta colored blossoms.

Beside the above there were Viburnum Opulus sterile, the guelder rose or snowball tree, so striking and distinct from anything else; Jasminum primulinum, which in many places at least is more of a success under glass than it is in the open ground; lilacs, including that pure white and extremely floriferous Marie Legraye: Staphylea colchica, whose blossoms are agreeably scented; Cytisus præcox, and Cytisus scoparius Andreanus, two charming brooms either in or outdoors.

Wistaria Sinensis is, according to our nurserymen, becoming year by year more of a favorite for forcing, and this need not surprise anyone, as it supplies a welcome change in color, and when grown as standards in the contour of the plant also. Lastly, must be noted the forsythias, so soon to make an outdoor display. For medium-sized plants Forsythia intermedia can be recommended, while quite large bushes of Forsythia suspensa in the temperate house form masses of yellow flowers, and associated with dark-colored evergreens they stand out conspicuously.—Gardeners' Magazine.

Charles Millang. August Millang.
MILLANG BROS.
Wholesale Commission Florists,
41 West 28th Street, Telephones 3860-3861 Madison. New York.

Wholesale Flower Markets

NEW YORK May 6.

Roses, Beauty, special	12 00@15 00
" " fancy	8 00@10 00
" " Nos. 1 2 and 3	1 00@ 6 00
" Richmond	1 00@12 00
" Bride, Bridesmaid, Killarney	
Special	4 00@ 5 00
No. 1	1 00@ 2 00
No. 2	50
Carnations, fancy	2 00@ 3 00
" common	50@ 1 50
Lilies	50@ 2 00
Lily of the valley	1 00@ 2 00
Asparagus plumosus strings	25 00@40 00
" per doz. bunches	2 00@ 3 00
Smilax	8 00@10 00
Cattleyas	50 00@60 00
Gardenias	3 00@10 00
Callas.....per dozen 30@ 60	
Mignonette	1 00@ 3 00
Jonquils	50@ 75
Sweet peas	50@ 75
Tulips	50@ 75
Snapdragon	75@ 1 00
Stocks	50@ 1 00
Lilac ..per bunch 10@25	
Pansies	50

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Philadelphia.

QUIET DAYS ON THE MARKET.

The past week has been very quiet there seeming to be very little of importance in the way of decorating which was felt in the market. The weather has been favorable, the cold nights holding back the production and incidentally coating the leaves of many of the roses with mildew. All kinds of flowers are seen in quantity and prices rule low. Two dollars with few exceptions now buys the fancy carnations. American Beauty roses sell for $1.50 per dozen and tea roses are high at $8, except for a few long flowers of Liberty. Lower grades of roses sell very low, in quantity. Sweet peas are in good demand at from $3 to $7.50 per 1,000. Violets are down and out and were in fair demand up to the finish. Some very fine cattleyas are seen, 60 cents being the price. Easter lilies have been very plentiful and sold entirely at buyers' prices. Lily of the valley is still plentiful but it seems to be hard to get much over $2 for it. The bedding plant men are now very busy. It was astonishing to see how soon after the Easter stock was cleared out that the empty benches were filled with plants for bedding out.

THE FLORISTS' CLUB.

The interesting feature of the May meeting of the Florists' Club was Edwin Lonsdale's talk on schizanthuses and the hybridization of geraniums. Mr. Lonsdale has obtained by selection a new type of Schizanthus Wisetoniensis which he has named Compacta, a beautiful plant which he had on exhibition. He also spoke of a better type of Dryden geranium which he obtained by crossing it with a red seedling which invariably lacked stamens, but which seeded freely when pollinated from flowers of other varieties. The subject of the next meeting is co-operation of wholesalers and retailers in times of overproduction. Arthur Niessen will prepare a paper which will no doubt prove a valuable addition to the literature on this subject. Some very artistic patterns of pedestals, vases and window boxes of cement or concrete were also on view, showing a new handling of this material. A free smoker will be held after the June meeting which will no doubt draw a full house as the committee says it has material that will make the evening delightful for everyone.

NOTES.

The Henry F. Michell Co. has taken the bull by the horns and purchased a property, a landmark in this city; the old Tower Hall at 518 Market street, running back to Ludlow street, with numbers 511 and 513. This is a large property, having a front of 23 feet on Market street and a depth of 180 feet, with an additional space 47x60 feet in the rear. This building is five stories in height and will give them about 60 per cent more room than they have in their present location, where the business has grown to such proportions that every department has now only about half enough room. The lease on the property now occupied has over two years to run, but there is so much demand for space for 5 and 10-cent stores and 5-cent moving picture show buildings along Market street, from Ninth to Broad, which are gradually crowding out the legitimate business, that the old location can be leased promptly. H. F. Michell says his firm is beginning to feel the change in the different class of people which these places are attracting and in addition to the benefits derived from more room they hope to profit by getting away from the mob and think they will be able to carry their trade with them.

Robert Craig has several large houses filled with geraniums, cannas, lobelias and other vase and window box plants, which seem to have sprung from somewhere, almost over night. Two large houses of Otaheite oranges are in full bloom. Just outside the house a hive of bees has been placed and through a few panes of glass, removed, they are continually passing, working among the flowers, getting honey and pollenizing at the same time.

The Henry A. Dreer Co. is now in the midst of its spring rush and about four nights a week the men in the packing shed have to stay to work overtime in order to catch up with the orders and keep from getting behind. Mr. Ruppert, just back from a New York and Connecticut trip, reports a fine business, finding a great demand for herbaceous plants of which the firm has a very complete stock.

W. K. Harris has several large houses full of Crimson and Baby Rambler roses which will be just right in a week or so for planting out or for decorative work, as they are very full of buds. Mark Mills, the foreman, says they had a remarkable clean-up at Easter, not having a single salable plant left over, which is quite a record for the season of 1908.

John McIntyre has had a great week with blossoms, apple, lilac and dogwood. He handles these by the wagon load and seems to find sale for all he can get.

The Floral Exchange, Inc., has moved the city office to its new plant at North Wales. K.

Pittsburg.

PRICES VERY LOW.

A slight improvement was noted in the carnation market toward the end of the past week, although the rose situation remains about the same. Peonies have made their appearance, but are not much in demand, owing to the abundance of other stock on the market. Violets are done and lilies still as hard to move; on the whole prices are so low they are not worth quoting.

NOTES.

Wm. Hamilton resigned as superintendent of the Allegheny parks May 1. The following editorial from the Dispatch well voices the sentiments of all, especially those in the florists trade: "Regret will be general touching the resignation of Wm. Hamilton as superintendent of parks for Allegheny. Mr. Hamilton was the first park superintendent in that city and he was the last, for the North Side parks are now under the jurisdiction of the bureau of parks of the greater Pittsburg. Superintendent Hamilton endeared himself to thousands by his skill in horticulture before Pittsburg acquired a system of parks, and he maintained his place in the popular affections by his devotion to duty and his kindly humanity. While other men of ability were piling up private fortunes Superintendent Hamilton labored happily to bring pleasure to the multitude. He loved his work, he delighted in his vegetable creations, so he brought gladness to thousands while pleasing himself.

The Pittsburg Cut Flower Co. was the first to handle peonies this season, receiving some red ones early in the week.

The Pittsburg Florists Exchange is handling an immense lot of snapdragon which is a good seller at present.

J. B. Murdoch & Co. are having a strong run on a fine quality of lily of the valley.

L. I. Neff, Jr., has opened a stand in the Liberty market. J.

J. J. Harty & Company

Wholesale and Commission

.FLORISTS.

1312 G St., N. W., Washington, D. C.

Phone Connection Main 5011

Boston.

BUSINESS POOR.

The market has settled back again to the well worn rut of this disastrous season and no improvement is looked for until the fall business opens. Plans are being studied for a great curtailment of expenses with efforts to make the best of a sadly disastrous year. It is the small concerns of which there is a big majority engaged in this business, who suffer the most. Memorial day is the one celebration still remaining on the season's calendar, the occasion calling for a general remembrance of deceased friends. In this section the day is loyally followed out and this year should afford an excellent opportunity for the retailer. Stock in general bears a strong likeness to storage products and prices follow out the assumption. A few warm days have severely weakened rose stock and drawn the bulb season to a close. Carnations have suffered and their growers, who have felt the year more seriously than their friends in other lines of cultivation, have given up all hope of recovering their losses. There is no market for American Beauty of which there is a great collection of medium grade goods. Richmond has weakened under the weather; so has Killarney. Violets have passed out and sweet peas, orchids, lily of the valley and gardenias are taking their place. Hydrangeas are the only first class plants available and but little desire for them is apparent.

NOTES.

Henry M. Robinson & Co. have just received from the south a tremendous stock of fancy ferns, smilax and other greens, with which to supply their trade for Memorial day. This is the second day of importance in the year for this firm and additional facilities for handling the business are already well planned.

Wm. Hastings of the A. H. Hews Co., has left on his summer western trip, stopping first for a short time at Chicago where the company has established a distributing depot in charge of Martin Muldoon, who for several years has been connected with the home office.

H. A. Wheeler's orchid establishment is now gay with an unsurpassed crop of the finest cattleyas. The plant is devoted principally to the growing of cattleyas, rare specimens well worth inspecting.

Charles Evans of Waltham is distributing a novelty in Italian clover. It is most interesting and the plant has been very well received.

Visitor: Arthur Zirkman, of M. Rice & Co., Philadelphia, Pa. B.

Everything Seasonable.

PITTSBURG FLORISTS' EXCHANGE, —15— Diamond Sq., Pittsburg, Pa.

AMERICAN BEAUTIES
Lily of the Valley, Carnations and all Tea Roses,
In lots of one hundred to one thousand. Phone or wire us.
WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

GRAFTED AND OWN ROOT ROSES
KAISERIN, CARNOT, KILLARNEY, RICHMOND, LIBERTY, BRIDE and BRIDESMAID.
—Send For Prices—
W. H. ELLIOTT, BRIGHTON MASS.

Pittsburg Cut Flower Co.
(Limited)
WHOLESALE FLORISTS
222 Oliver Ave. PITTSBURG, PA.

CARNATIONS in quantity. Special prices on large orders.
ABSOLUTELY THE BEST POSSIBLE SERVICE.
W. E. McKissick
WHOLESALE FLORIST.
Business Hours 7 a.m. to 8 p.m. 1619-1621 Ranstead St., PHILADELPHIA, PA.

J. B. Murdoch & Co.
714 Penn Avenue,
PITTSBURG, PA.
All Seasonable Flowers.

SUPERIOR LILAC White and Purple. Double and Single.
Snowballs for Decoration Day.
JOHN W. McINTYRE,
1601 Ranstead St., PHILADELPHIA.

British Horticulture.

FROM THE BRITISH TRADE PAPERS.

NEW HYDRANGEAS.—The name of Lemoine of Nancy is known to everyone as a most successfuly hybridist, and the successes that have emanated from that establishment form a very long list. Of late years attention has been devoted to hydrangeas, and three new varieties are announced in the February catalogue just issued. They are said to be a selection from several thousand seedlings, the result of artificially crossing H. Otaksa monstrosa, H. Mariesii, H. Souvenir de Claire and H. rosea. From these a good number of plants were selected for further observation, and three varieties were ultimately chosen therefrom. They are Avalanche, described as the whitest of the hydrangeas; Fraicheur, enormous clusters, flowers medium, round, white, shaded rose tips greenish, eye mauve; La Lorraine, large corymbs and flowers, these last having the edges slightly toothed, in color soft rose, turning to bright rose.

A FLORIST'S PROFITS.—At Wandsworth county court, February 17, Henry John Crump, a Tooting florist, who sought to recover the value of a pad of roses and a pad of violets, said the two pads cost him 30 shillings ($6.50) at Covent Garden, and that he would have made £2 10s. ($12.50) profit on them. This, he explained, was December profit, and the price was as much for the making up as for the flowers. They had been entrusted to James Hughes, the defendant, carman and contractor, and his servant had lost them on the journey. His honor awarded plaintiff 23 shillings ($5.75) and costs.

A HINT ON ROSE PRUNING.—There is no harm done by allowing a few buds to push into growth at the top of the shoots before pruning is commenced. This is often an advantage. When the top growth commences the roots are also active, and owing to this after the pruning is done the dormant buds quickly develop into strong vigorous shoots. The end of March is quite early enough to commence pruning the hybrid perpetuals, to be followed by the hybrid teas leaving the teas to be dealt with in April.

WASHINGTON, D. C.—Alonzo Henrick died April 23, aged 75 years. Mr. Henrick was born in Copenhagen, Denmark, March 18, 1833. At an early age he came to this country and for the past 45 years has been a resident of the District of Columbia. He was appointed horticulturist at the government hospital in 1876 and, during his 32 years' service it is said, developed one of the finest vineyards and fruit orchards in the country.

Wholesale Flower Markets

PHILADELPHIA, May 6.

Roses, Tea	4 00@ 6 00
" extra	8 00@10 00
" Liberty	6 00@25 00
" Beauty, extra	20 00@25 00
" " first	10 00@15 00
Carnations	1 50@ 3 00
Lily of the valley	2 00@ 3 00
Asparagus, bunch	50 00
Smilax	15 00@20 00
Adiantum	1 00@ 1 50
Cattleyas	50 00@60 00
Lilium Harrisii	6 00@ 8 00
Mignonette	2 00@ 3 00
Sweet peas	50@ 75
Gardenias	15@ 25

PITTSBURG, May 6.

Roses, Beauty, specials	25 00@30 00
" " extras	15 00@20 00
" " No. 1	8 00@12 00
" " ordinary	4 00@ 8 00
" Bride, Bridesmaid	2 00@ 8 00
" Chatenay	2 00@ 8 00
" Richmond	3 00@10 00
" Perle	6 00@ 8 00
" Killarney	00@10 00
Carnations	1 50@ 3 00
Lily of the valley	3 00@ 4 00
Smilax	12 50@15 00
Asparagus, strings	50 00
" Sprengeri	3 00@ 4 00
Lilies	10 00@15 00
Adiantum	75@ 1 00
Cattleyas	75 00
Sweet peas	50@ 75
Candytuft 25c per bunch	
Snapdragon	3 00

BOSTON, May 6.

Roses, Beauty, best	20 00@25 00
" " medium	12 00@16 00
" " culls	6 00@12 00
" Bride, Bridesmaid	1 00@ 2 00
" Extra	4 00@ 8 00
" Liberty	8 00@12 00
Carnations	1 00@ 2 00
" Fancy	2 00@ 3 00
Smilax	8 00@12 00
Adiantum	75@ 1 00
Asparagus	35 00@ 0 00
Harrissi	10 00@12 00
Callas	8 00@12 00
Daffodils	1 00@ 2 00
Narcissus	2 00@ 3 00
Sweet peas	50@ 1 00

NASHVILLE, TENN.—Geny Bros. report Easter business 10 per cent better than last year but prices not quite so good. There was plenty of all stock and Easter lilies were in great demand.

Flowers for the Canadian Northwest.

The office of N. Stewart Dunlop of the C. P. R., in the Windsor station, Montreal, showed signs of a very early and beautiful spring recently, when every available spot was given over to the displaying of plants and flowers of every description known to be grown satisfactorily along the many lines of the Canadian Pacific.

Mr. Dunlop is just sending forth his eleventh annual greeting to flower lovers, who are also station agents, section bosses, or in any way connected with the road in such a position as to be able to keep a garden. Eleven years ago he first suggested the beautifying of stations on the C. P. R. by means of gardens or beds of flowers. There were few in those days to take interest. As long as the trains got through safely and on time, that was all that was necessary. They hardly thought of or realized the pleasure they would be giving themselves as well as travelers by having a neatly kept garden, even if it only possessed one bed with one variety of flowers.

Today Mr. Dunlop is sending forth all over the country reached by the C. P. R. 50,000 packages containing 29 varieties of seed each. Poppies, asters, carnations, mignonette will be scattered from coast to coast in one long, beautiful, sweet-smelling line. "During the past few months," said Mr. Dunlop, "I have had hundred of letters from people who received these packages of seeds, telling of the great pleasure they derived from them. The work has proved a blessing to thousands of employes of the company in the lonely districts of the west, where both they and their families have taken great interest in beautifying the stations with their garden work. This year we expect to have more railway gardens than ever before, and the result cannot but be both beneficial to the road and its employes, as well as a source of pleasure to travelers along the line."

PHILADELPHIA, PA.—James Doyle has been the victim of a swindler who ordered $10 worth of flowers, ostensibly for a church, where, on trying to collect his bill, Mr. Doyle found the flowers had not been delivered and nothing was known of the man who ordered them. The latter was arrested.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

London, Eng.

COMMISSIONS CARRIED OUT IN LONDON

or any part of Great Britain.

Messrs. WILLS & SEGAR will attend to any commissions from American florists for the supply of Cut Flowers, Birthday flowers, Bouquets, High Class Floral Designs, etc. to their clients who may be traveling in England.

WILLS & SEGAR, Court Florists to His Majesty, The King.
ROYAL EXOTIC NURSERY.
TELEGRAMS, FLOSCULO, LONDON. Onslow Crescent, South Kensington, LONDON, ENGLAND.

Philadelphia, Pa.

Robert Kift,

1725 Chestnut Street.

Prompt and Careful Attention given to all Mail and Telegraph orders.

Cleveland.

STOCK OVER PLENTIFUL.

Business the first part of the week slumped; stock was so plentiful, especially roses, that one of the wholesale houses took advantage of the overstocked market, and sent large boxes of flowers to all of its customers in the city. A genuine snow storm hit the city Thursday, the heaviest for the past 20 years, for this time of the year. The result was that stock shortened up wonderfully. It is gratifying to note that prices stiffened a little, too. Monday saw the market still shorter, particularly in carnations. Green goods are short; the demand for smilax exceeds the supply. The call for American Beauty roses is erratic. Southern peonies are beginning to arrive, the first were used at a wedding decoration last week.

NOTES.

The window decoration at Smith & Fetters' is very attractive, consisting of three immense hats, measuring 42 inches across; they are trimmed with fresh flowers and chiffon. The combinations are very artistic and effective, and are rather enticing to those interested in the popular "merry widow" hat; one is trimmed with double violets, American Beauty roses and adiantum, one with pink rambler roses and Asparagus plumosus and the other with calendulas and adiantum.

Miss Jane Eadie, of The Eadie Co., is in Sagertown, Pa., where she will stay for several weeks on account of ill health.

Wm. Greif of the Ohio Floral Co. was elected director in the municipal traction company.

Knoble Bros report a decided pick up in business during the past week.

J. H. Turnbull, Rocky River, is cutting some very fine callas. FORESTER.

HARTFORD, CONN.—The Connecticut Horticultural Society was entertained April 24, at its room in the county building by an illustrated talk on "Rose Culture" given by Carl Peterson, the manager of the Whiting greenhouses of West Hartford.

NORFOLK, W. VA.—Fifteen thousand people attended the 10 services held April 30, in the evangelical campaign, almost every worshiper bringing from one to five carnations or roses, making a grand total of fully 30,000 flowers received during the day and evening.

Detroit, Mich.

John Breitmeyer's Sons

Cor. Miami and Gratiot Aves.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Omaha, Neb.

Hess & Swoboda,

FLORISTS,

1415 Farnum St. TELEPHONES 1501 and L 1582

Kansas City, Mo.

Samuel Murray

...FLORIST...

1017 Broadway Coates House Conservatory
Both Phones 2670 Main.

Write, Telephone or Telegraph. All orders given prompt attention.

Los Angeles, Cal.

J. W. Wolfskill,

FLORIST,

Telegraph Orders a Specialty. 218 W. 4th St.

Boston, Mass.

HOUGHTON & CLARK,

FLORISTS

Telephone Connection. 396 Boylston St.

Seattle, Wash.

Woodland Seed & Floral Co.,

808 Second Avenue,

Will fill all orders for Cut Flowers, etc. for steamers for Japan and Alaska or any part of the Pacific coast. A. L. AABLING, Gen. Mgr.

Louisville, Ky.

JACOB SCHULZ,

644 FOURTH AVENUE.

Cut Flowers of BEST QUALITY in season, delivered promptly to any address.
Write, Telegraph or Telephone
Cumberland and Home Phones 223 and 984

Nashville, Tenn.

Joy Floral Co.,

610 CHURCH STREET.

"I CANNOT abide to see men throw away their tools the minute the clock begins to strike, as if they took no pleasure in their work, and were afraid o' doing a stroke too much. The very grindstone'll go on turning a bit after you loose it."—George Eliot.

Brooklyn, N. Y.

Robert G. Wilson

Fulton St. and Greene Ave.

Greenhouses: Short Hills, N. J.

—Deliveries in—

Greater New York, Long Island and New Jersey.

Trade orders from all parts of the country filled for delivery at residence, steamer, hotel, or theater on wholesale basis. Satisfaction guaranteed. Wire or telephone.

Evansville, Ind.

THE

Wm. Blackman Floral Co.

402 MAIN STREET.

Prompt attention given to all mail, telephone and telegraph orders.

Galveston, Tex.

Mrs. M. A. Hansen

—FLORIST—

Special attention to Telegraph or Telephone orders. 'Phone 1912.

St. Paul, Minn.

HOLM & OLSON,

ST. PAUL.

THE LEADING FLORISTS OF THE NORTHWEST
Orders will be well cared for anywhere in MINNESOTA AND THE DAKOTAS.

Rochester, N. Y.

J. B. KELLER SONS,

FLORISTS,

25 Clinton Avenue, N.

Rochester Phone 506. Long Dis. Bell Phone 3189.

Washington, D. C.

Blackistone

14th and H Streets.

New Orleans

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. **VIRGIN,** —838— CANAL ST.

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address: "Daniels, Denver."

Chicago.
Established in 1857.

Wittbold FLORIST

1657-1659 Buckingham Place,
L. D. Phone 558 Lake View.
Send us your retail orders.
WE HAVE THE BEST FACILITIES IN THE CITY

San Francisco, Calif.
J. B. Boland Co.
Successors to Sievers & Boland.
FLORISTS,
47-49 Geary Street.

Cleveland, O.
The Cleveland Cut Flower Co.
Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

New York.
MYER, FLORIST,
609-611 MADISON AVE.
Phone 5297 Plaza.

GUDE BROS. CO. FLORISTS 1214 F ST. N.W. WASHINGTON, D.C.
WASHINGTON D. C.
—
Gude's.

St. Louis, Mo.
WRITE, WIRE OR PHONE YOUR ORDERS TO
YOUNGS,
1406 Olive Street.
Regular discount allowed on all orders, either Plants or Cut Flowers.
Phones Bell, Main 2306. Kinloch, Central 4981.

Dayton, O.
Matthews,
—FLORIST—
16 W. 3rd Street.
Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones

Chicago.
HAUSWIRTH FLORIST
M. C. and J. E. Hauswirth.
Auditorium Annex.
Mail, telegraph or telephone orders filled promptly in best style.

Atlanta, Ga.
ATLANTA FLORAL CO.
41 PEACHTREE STREET.

ASPARAGUS, BOSTONS, AZALEAS.
Plumosus Nanus, 2½-in., $3.50 per 100, $30.00 per 1000; 3-in., 6c; 3½-in., 10c; 4-in., 12c; 5-in., 20c; 6-in., 30c. Comorensis, 2-in., 2c; 2½-in., 3c; 3½-in., 6c. Sprengeri, 2½-in., 3c; 3½-in., 8c; 4-in., 10c.
Bostons, 2½-in., 4c; 3-in., 8c; 6-in., 40c; 7-in., 65c; 8-in., $1.00 to $1.50; 10-in. $1.50 to $2.00.
Azaleas. We are now booking orders for Easter delivery. Our stock is the best in the west.
Phones Bell, Forest 1453. Kinloch, Delmar 474 L.
J. W. DUNFORD, Kingshighway and Page Bld., Greenhouses at Clayton, Mo. **St. Louis, Mo.**

Cut Flowers or Designs
Will be delivered for the Trade on Wire or Mail. Orders in Best Qualities and Prices.

St. Louis, Mo.
Fred C. Weber,
FLORIST,
Established 1878. Bell, Lindell 676. 4320-4328 Olive St.

A sign like this in your window will draw good business now.

Steamship Sailings.
WEEK ENDING MAY 16.

May 12, Krnprnzsn Cecilie, N. Y.-Brem.
May 12, Kaiser Wilhelm II, Brem.-N. Y.
May 13, Roma, New York-Naples.
May 13, Friesland, Liverpool-Philadel.
May 13, Mauretania, N. Y.-Liverpool.
May 13, Majestic, N. Y.-Southampton.
May 13, Teutonic, Southampton-N. Y.
May 13, Potsdam, N. Y.-Rotterdam
May 14, Pannonia, N. Y.-Trieste.
May 14, La Lorraine, N. Y.-Havre.
May 14, Southwark, Liverpool-Montreal.
May 14, Hellig Olav, N. Y.-Copenhagen.
May 14, C. F. Tietgen, Copenhagen-N. Y.
May 14, Baltic, New York-Liverpool.
May 14, Arabic, Liverpool-New York.
May 14, Corsican, Liverpool-Montreal.
May 14, Sardinian, Montreal-London.
May 14, Sicilian, London-Montreal.
May 14, Bluecher, N. Y.-Hamburg.
May 14, Deutschland, Hamburg-N. Y.
May 14, Neckar, Genoa-New York.
May 14, Main, New York-Bremen.
May 14, Frankfurt, Bremen-Baltimore.
May 15, Venezia, Naples-New York.
May 15, Marquette, Phila.-Antwerp.
May 15, Tunisian, Montreal-Liverpool.
May 16, New York, N. Y.-Southampton.
May 16, Philadelphia, S'th'mpt'n-N. Y.
May 16, Merion, Phila.-Liverpool.
May 16, Caronia, N. Y.-Liverpool.
May 16, La Savoie, Havre-New York.
May 16, Kensington, Montreal-Liverpool.
May 16, Canopic, Boston-Naples.
May 16, Furnessia, N. Y.-Glasgow.
May 16, New Amsterdam, Rot'd'm-N. Y.
May 16, Fried. der Grosse, N. Y.-Genoa.
May 16, Vaderland, N. Y.-Antwerp.
May 16, Kroonland, Antwerp-N. Y.

Kansas City, Mo.
WILLIAM L. ROCK Flower Co.,
Will carefully execute orders for Kansas City and any town in
Missouri, Kansas or Oklahoma.

Milwaukee, Wis.
C. C. Pollworth Co.
Will take proper care of your orders in **WISCONSIN.**

Indianapolis, Ind.
Bertermann Bros. Co.
FLORISTS
.....241 Massachusetts Ave.

Albany, N. Y.
EYRES
Flowers or Design Work.
DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.
11 NORTH PEARL STREET,

Denver, Colo.
The Park ...Floral Co.
J. A. VALENTINE, President.

M. A. Bowe
IN HEART OF NEW YORK CITY.
Phone, 2270 38th St. 1294 Broadway, N. Y.
Our Motto—THE GOLDEN RULE.

Kansas City, Mo.
GEO. M. KELLOGG,
906 Grand Avenue,
KANSAS CITY and PLEASANT HILL, MO.
Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

Buffalo, N. Y.
Palmer's
J. Palmer & Son, 304 Main St.

The Seed Trade.

American Seed Trade Association.

Geo. S. Green, Chicago, Pres.; M. H. Duryea, New York, First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-sixth annual convention, June 23 to 25, at Hotel Ponchartrain, Detroit, Mich.

Congressional Seedsmen.

PUBLIC PAYS SALARIES AND SUPPLIES SEEDS.

If the current custom of indiscriminate distribution shall indefinitely continue, if this congressional comedy shall drift into a continuous performance, we shall ultimately be driven to the mournful admission that we are not statesmen, but seedsmen; and it will be in order for some distinguished seedsman, some sainted hero of a score of memorable distributions, some legislative knight upon whose shield is blazoned a radish in its glory or a turnip in repose, to arise in his place with becoming gravity and move, Mr. Chairman that the American eagle be taken from the mace and supplanted by a package of vegetable seed as the supreme emblem of the genius, the character, and the principal occupation of American statesmanship.—*Morris Sheppard, of Texas, in House of Representatives.*

ALL varieties of field seed corn are well sold out.

STOCKS of Caladium esculentum and tuberose are well worked down.

INDICATIONS already point to a shortage in sweet peas for next season.

THE counter trade in seeds is now declining and the plant demand increasing.

DETROIT, MICH.—Lem W. Bowen is starting this week for a short trip to Europe, returning about July 20.

PHILADELPHIA, PA.—The Henry F. Michell Co. has purchased the 5-story building known as Tower Hall at 518 Market street and will move to that location.

STATE authorities everywhere are waxing active in pushing violators of fertilizer laws. Are your brands all registered and do they stand the analysis as branded?

JOHN J. DAVIS, of the etomological department of the experiment station at Urbana, Ill., is investigating the ravages of the onion maggot in the Chicago onion set districts.

PEA stocks have, in the main, proved sufficient for the trade and in a few cases there will be some lots carried over; the drop in Alaska prices showed this. Nott's Excelsior is well sold up.

CHICAGO.—W. W. Barnard returned Tuesday from Petersburg, Fla., whither he was called two weeks ago by the illness of a relative.—Grass seed contract prices on the board of trade May 5 were the same as last week.—G. C. Eldering, Overveen, Holland, and Wm. Hagemann, New York, were visitors.

SACRAMENTO, CALIF., April 24.—State Horticultural Commissioner Jeffrey, at the request of the secretary of the interior, today ordered an indefinite quarantine on all cotton seed shipped into California. [It would seem that possible injurious seed (in this case suspected of boll weevil) may be stopped even without the use of H. R. 13835.—Ed.]

Braslan Seed Growers' Co.

Growers for the Wholesale Trade Only.

SAN JOSE, CAL.

An Excited Bean Market.

The disfavor with which canned goods as a class came to be regarded by the public, evidently does not apply in any way to canned beans. One concern alone is said to be putting out at the present time 200 carloads of this product per week, while another corporation has engaged $85,000 worth of sign board space to exploit its product, in one section of the country alone. Western farmers in bean districts are now receiving $2.20 per bushel for any fair quality of pea or medium beans, while grocers, jobbers and others are selling imported white beans of all kinds, sizes, and varieties, shipped from the great ports of the world, Hamburg, Antwerp, the Mediterranean and the Black sea, all under name of "hand picked pea beans." Prices are going up and the demand is greater than the supply. It would appear that the millions of consumers who have been buying canned goods of many kinds have pondered over the problem as to the one safest canned food and have all decided on beans. As Charles Heath (with the Albert Dickinson Co., Chicago), a Massachusetts-raised man, suggests the Boston idea may have, as is perfectly natural and consistent, permeated the whole country and transformed all people into "bean eaters."

New and Rare Tulips.

W. J. Eldering & Son, Overveen, Haarlem, Holland, are offering this year a considerable number of new and rare tulips, described as follows:

SINGLE VARIETIES.

Brilliant Star, large bright orange scarlet, with black base, very desirable for early forcing.

Flamingo, a sport of White Hawk, light and dark rose, merging together.

Golden Queen, golden yellow; the largest yellow flower.

Grace Darling, a dark nasturtium red of beautiful shape.

Golden Lion, orange and yellow, a very distinct and attractive variety.

Joost Van Vondel, rose, a most beautiful soft rose, with the enormous size and fine shape of the white variety.

King of the Scarlets, the best of all scarlets beyond a doubt, meriting the name.

La Riante, a splendid variety, shaded rosy white and of fine shape.

Maes, a large dark scarlet flower, desirable for early forcing.

Primrose Queen, a sport of La Reine, yellow and white running together.

Princess Helene, snow white, a very large flower, forcing early.

Rose La Reine, a sport of La Reine, very delicate rose.

Queen of the Netherlands, rose, grand flower of great merit.

DOUBLE VARIETIES.

Anna Rooze, an elegant dark rose, highly recommended.

El Toreador, red, broad yellow orange border, with all the good qualities of Tournesol.

Golden King, this is the pure yellow Tournesol.

Lord Rosebery, the earliest of all, lovely rose.

Princess Beatrice, a very charming flower of a fine rose shade.

Purity, a pure white, shaped like a peony, very large flower and early forcer, grand novelty.

Rose d'Amour, rosy and white, a charming variety.

Schoonoord, the pure white Murillo, with all the merits of that popular variety.

Thearose (Brimstone), soft orange yellow with a fine rosy shaded edge, a sport of Murillo.

Seedsmen's Hearing on Proposed Seed Bill

We present herewith a summary of the views on the proposed seed bill, H. R. 13835, expressed by seedsmen at the public hearing before the Committee on Interstate and Foreign Commerce, Washington, D. C., April 21:

President Green opened the hearing with a general address explaining the great difficulty of working under the original bill and asking that action on the same be deferred until the next session, giving the seed trade full opportunity to assist in amending this or preparing such new bill as might be practical.

Chas. Dickinson protested that Section 5 provided for a guarantee which it would be unsafe to give unless the working margins in the business were greatly increased to cover such risk. "In what way," he said, "the business which has been conducted for years on margins of 2 per cent or less, as has been the case in field and grass seeds, can be changed to a guarantee given with safety, I do not know."

F. W. Bruggerhof in a letter read by H. W. Wood, submitted that all reference to vegetable and flower seeds and bulbs should be entirely eliminated, adding that the proviso of the bill as to the purity percentage, would make the cost of many seeds prohibitory. He believed that since many seedsmen handle over 5,000 varieties of seed from all parts of the earth, in doing which a reasonable percentage of accidents must occur, a discrimination must be made between wilful and accidental violation of any proposed law. Further, regarding grass seeds and clovers, which require 30 to 40 days for a complete test of germination, it would be very difficult to comply with the conditions which the law imposes, during the active selling season.

H. W. Wood, regarding Section 6, said: "It seems to me that seeds imported into this country ought to be inspected at the port of entry and if found adulterated or to contain noxious weeds, a bond should be required, but I think they should be passed upon at the time, and the bill should so provide. Again, I think a report should be made

(CONTINUED ON PAGE 792.)

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Seedsmen's Hearing on Proposed Seed Bill

CONTINUED FROM PAGE 790.

to the seedsman within a reasonable time, as to whether these seeds will be rejected, otherwise making it very difficult for the seedsman to know when he would get possession of his seeds, if at all, or if in time for the season's planting. If a law is desired simply to correct abuses, legitimate seedsmen are with it heart and soul to make a practicable law. No crop guarantee should be given because of hybridizing from wind, insects, and tendency of varieties to revert."

Walter P. Stokes held that leading vegetable seeds should not be included in the law because many kinds of vegetable seeds could not be told apart. "I have never known a case in 25 years where a man bought cauliflower seed and received turnip seed." He referred also to the necessity of selling cabbage of the best type seed of 65 per cent germination following a poor seed producing season. He held further that in reporting abuses in low germination of vegetable seeds, as had been done in the report in the former hearings, there should be some evidence that the seeds were sent out by the seedsman who is held responsible for them in the year in question, and that they have not been carried over for two or more years by some irresponsible grocer dealer.

Jerome B. Rice explained the difficulty of growing, rogueing and handling seed pea stocks.

Alex. Forbes, of Peter Henderson & Co., felt that good work might be done with some regulations that would apply to seeds distinguishable in the grain, but on seeds that are not distinguishable in the grain no regulations should be worked out except from the standpoint of germination. On this basis clovers and grasses are mostly distinguishable in the grains. But few vegetable seeds can be so distinguished. I cannot see the advantage in having a law to guarantee the purity of seeds which cannot be distinguished by sample." As to guarantee, many of the finest seeds bought by American seedsmen from Europe cannot be secured with any guarantee or any warranty and it seems hardly fair to expect American seedsmen to do what the seedsmen of no other land have been asked to do. Mr. Forbes added, "I am here to denounce adulterants in grass seeds and say that it is a blot on the seed trade, and I believe those who have done it ought to be shown up, but I am advised that this disreputable class of seed handlers can be numbered on the fingers of one hand." Mr. Forbes mentioned an incident where a grocer had carried over packets of seeds for 10 years and still offered them to planters. He objected to the gathering of sample packets from such lots and making the statement that these are fair samples of what the seedsmen in America are selling, and publishing such statements in the newspapers. Again, the farmer grows a field that he knows is full of weeds, and he harvests thistle, dock and other weeds with the grasses in his field, threshing, sacking and offering for sale. That farmer has the right to sell such seed to his dealer or his neighbor if he will buy it. If the seedsman is to be held responsible, the farmer should be made to bear his share of the burden. This would apply also to the Department of Agriculture itself, said Mr. Forbes. They are large seed merchants and yet they have made mistakes of that kind. They sent out a flat onion calling it Maule's Prizetaker, doing great damage to Mr. Maule.

Curt Nye Smith, representing Jos. Breck & Sons, said the report which the committee made to the house stated that the seeds had been deliberately adulterated and that the bill was strict as to the deliberate and wilful adulteration, but, continued Mr. Smith, "the bill as presented does not represent to the seedsman the meaning of the words as stated in the report which accompanied it. It is part of my duty here to say that this bill or any bill that will prevent the intentional misbranding or adulteration of seeds will meet with the entire approval of the Boston trade. But this bill makes it possible to stop an honest man's business in ways that he cannot possibly prevent. Under this law, two varieties of lily bulbs that cannot be told apart, if mixed by accident on the voyage or in the customhouse, would make the seedsman liable under the law."

Congressman Townsend of Michigan, of the house committee, said here, "I hope there is a chance for me to learn yet, as I said before, in the practice of criminal law I have never discovered a law where intent was not necessary in order to constitute a crime. Mr. Mann suggested that if one man shoots another down that is sufficient to convict him. I never heard of that doctrine before."

Mr. Smith made the further objection that by the terms of this act the seedsman can have his property taken from him by the government. He said, in comparing this law with the pure food law, "the latter has every chemical possibility for chemical reaction to determine the exact conditions of products and the very worth of the bill is due to the fact that there cannot be adulteration of food without the intent being present. We cannot measure seeds with the same measure with which we measure food products."

S. F. Willard: "I wish to add a little emphasis to the standing of the seedsmen as merchants. The statement has been made here that two-thirds or three-fourths of the seed business is done with the same customers year after year and in my experience I know this is true. Now this could not be maintained except on merit and I wish to make the statement that the great bulk of the seed business is done on a high plane and that the errors complained of in framing this law are confined to small purchasers and possibly the dead seed question is of very small dimensions, but I want to say that these things do not represent to any extent the transactions between seedsmen and market gardeners, large planters of seed. They occur in small packages and in that it has not been with intent to profit by deception but is an error and unintentional, for, if it was intentional, it would be done where the greatest pecuniary gain would come, in the large trades. We have to draw from a wide area for our supply and I believe it is a fair statement that this business is done very largely upon honor, because the results show it. I believe that the matter, so far as it relates to garden and vegetable seeds, should be omitted from the bill because I feel that it is not important and it is likely to prove an objection and will have no good practical effect among seed buyers.

Chas. N. Page.—It has been mentioned at this hearing that seed dealers objected to a regulative law in the matter of noxious weeds and adulterants. Three years ago when president of the American Seed Trade Association I made a trip to Washington for discussion with Secretary Wilson and Messrs. Brown and Pieters, to see if a law could not be enacted to keep trefoil and other noxious weed seeds out of the country. I was told at that time it was impossible except by a high tariff and that congress would not enact tariff laws. This same matter was discussed by our association that year. We are a unit in wanting a law to prevent the importation of adulterants or low grade seeds.

The comments of E. V. Hallock and J. C. Vaughan will be summarized in our next issue.

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Vaughan's Seed Store: 214 tubs laurel trees, 68 cases plants.

McHutchison & Co.: 136 tubs laurel trees, seven cases plants.

Wadley & Smythe: 55 pkgs. plants.

H. F. Darrow: 39 cases plants.

C. F. Meyer: 37 cases plants, four tubs laurel trees.

P. M. Einsman: 12 tubs laurel trees.

J. Roehrs & Co.: 12 tubs laurel trees.

A. Rolker & Sons: nine cases plants.

John Dunn: three cases plants.

Botanical Gardens: three cases plants.

J. M. Thorburn & Co.: three bags garden seed.

P. Henderson & Co.: 50 bags grass seed.

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Ourown, certificate at R. B. S.
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Sunray, giganteum variety, fine. Full list of varieties sent on application.

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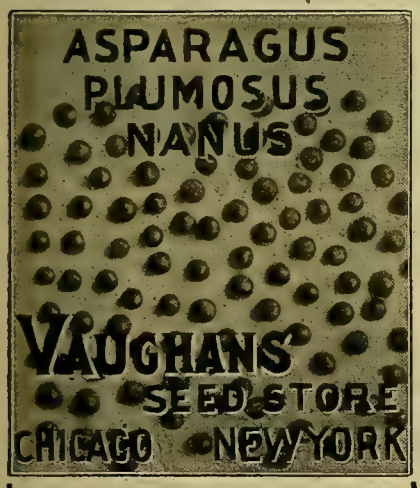

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SHANDON, S. C.—The Ladies' Flower Association is taking up the question of improving the two acres of land on Wheat street, which were given to the town by the Columbia Land and Investment Co., for park purposes. There is a spring on the place which supplies about 10 gallons of water per minute and plenty of shade. The land is rolling and is covered with quantities of wild flowers and sweet shrubs; so it is in every way a most attractive subject for the ladies to take hold of. The president appointed a committee, consisting of Mrs. D. P. Duncan, Mrs. Jno. E. Lawson and Mrs. H. A. Taylor, to consider the question and report to the next meeting.

NEW CANNAS 1908

Rosea Gigantea. This beautiful variety has extra large flowers which are borne in such abundance that the mass of color on each plant is amazing. Single petals are 2½ inches across; color, a deep rich rose, almost a coral carmine. Plants make a vigorous growth, producing unusually fine clumps of green foliage. Height, 4 feet. (A great favorite with visitors to our trial grounds.) Strong plants, **$2.00** each, prepaid; **$18.00** per doz., by express, not prepaid.

Gladio-Flora. Remarkable for the unusual shape of the flowers which look like large Gladiolus. Petals are not long, but short and rounded and so wide they overlap each other, thus giving a very attractive appearance to the flowers. Color is crimson, changing to carmine rose with an uneven edge of gold to each petal. Height, 3¾ feet. Price, strong plants, **$2.00** each, prepaid; **$18.00** per doz., by express, not prepaid.

Meteor. Meteor is a vigorous grower with healthy green foliage. It is highly valued because of its magnificent flowers, fully four inches across, and abundance of bloom. Color is a deep crimson, very rich; each plant usually throws up five to six trusses of buds which continue blooming luxuriantly all summer through. Price, plants of dormant roots, **75c** each, postpaid; **$6.00** per doz., by express, not prepaid.

NEW CANNAS OF SPECIAL MERIT.

William Saunders. (1907) The flowers are large, of splendid form and are borne very freely in immense clusters. The color is a deep rich shining scarlet lightly dappled with crimson. Foliage is a rich bronze. Height, 3½ to 4 feet. We believe that Wm. Saunders is decidedly the most perfect Canna of this type that has been introduced. Those who tried Wm. Saunders in 1907 say it cannot be excelled. We offer plants only: **60c** each, postpaid; **$5.00** per doz., **$35.00** per 100, by express, not prepaid.

60 other varieties. Send for our list and prices.

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CANNAS

Austria, Allemania, Alsace, Bouvier, Capt. Drugeon, C. Henderson, J. D. Eisele, Florence Vaughan, Kate Gray, Pres. Viger, Pennsylvania, Pres. Meyer, Souv. de Ant. Crozy, $2.50 per 100; $20.00 per 1000. David Harum, $4.00 per 100; $35.00 per 1000. Egandale (3-in. pots only), $5.00 per 100 King Humbert, the king of all Cannas, an extra large stock from strong 4-in. pots, $25.00 per 100.

Boston Ferns, Scottii, Elegantissima and Whitmanii, we have many thousand to offer from 2¼- to 4-in. at rock bottom prices. Can offer special bargains in R. C. **Beacon Carnations.** Write us for special prices.

W. W. COLES, Kokomo, Ind

PROVIDENCE, R. I.—Burglars got into the premises of Johnston Bros., April 24, and stole four overcoats, value $62.

Asparagus Plumosus Nanus Seed

$2.00 per 1000, Cash.

NEW CROP Highest Germination.

DRAKE POINT GREENHOUSES

YALAHA, FLORIDA.

Western Headquarters For

Finest Cold Storage Valley Pips.

$14.00 per 1000; $1.75 per 100.
Every case guaranteed.

Fancy Cut Valley Always on Hand.

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American Association of Nurserymen.
J. W. Hill, Des Moines, Ia., President; C. M. Hobbs, Bridgeport, Ind., Vice-President; George C Seager, Rochester, N. Y., Sec'y
Thirty-third annual convention to be held at Milwaukee, Wis., June 10-12, 1908.

SPICELAND, IND.—Mercer Brown pronounced the fruit prospects as the best he ever saw.

ALBANY, N. Y.—Considerable improvements have been carried out and are under way at Washington park.

VISITED CHICAGO: W. Van Kleef, Jr., of W. Van Kleef & Sons, Boskoop, Holland; John T. Withers, Jersey City, N. J.

THE double flowered almond is fine in Washington park, Chicago, this week, and attracts much attention from visitors.

"CLIMBING ROSES," is the title of an illustrated pamphlet by Wm. C. Barry which may be had on application to Ellwanger & Barry, Rochester, N. Y.

BATAVIA, N. Y.—Nelson Bogue has offered to beautify the Court House park by planting about 1,000 plants and shrubs entirely at his own expense.

A CIRCULAR recently issued by the Bureau of Plant Industry entitled "The Treatment of Damping-Off in Coniferous Seedlings," by Perley Spaulding, should be interesting to all growers of nursery stock.

LOUISIANA, MO.—Stark Bros.' Nurseries and Orchards Co. presented the public library with a number of shade trees and ornamental shrubs, which have been planted in front of the building. C. M. Stark arranged the planting.

LARGER foreign purchases of apple cider will be made by Great Britain, according to a statement of the Canadian commercial agent at Manchester. The cause is a poor apple harvest in Devonshire last fall and the increasing consumption of apple cider.

FREMONT, O.—At the request of many leading citizens the city council has passed an ordinance which will prevent the ruin of many beautiful shade trees in the future. The ordinance provides that trees cannot be trimmed, cut or pruned and cannot be moved unless permission is first secured from the board of service and the applicant has satisfied the board that he is capable of doing the work.

SANTA ANA, CALIF.—Two thousand acres in the Verdugo Canon, south of San Juan Hot Springs, twelve miles from San Juan Capistrano, and on the Trabuco forest reserve, have been laid off by forest-service men as the site for a forest experimental station. It is expected that the forest officials in time will establish a nursery in the Verdugo for the purpose of raising trees for planting on the reserve.

BOBBINK & ATKINS,
Rutherford, N. J.,
Bay Trees, Palms, Buxus, Azalea indica, Rhododendrons, Evergreens, Herbaceous Plants, Roses, Trained Fruit Trees, Greenhouse Grape Vines. Ask for catalogue.

FALMOUTH, MASS.—H. V. Lawrence has planted up his lot adjoining his place on Locust street with choice shrubs and hardy flowers, making a fine display.

THE following circulars have been issued by the forest service of the Department of Agriculture: "Suggestions to Woodlot Owners in the Ohio Valley Region"; "The Relation of Southern Appalachian Mountains to the Development of Water Power"; "Forest Planting on the Northern Prairies"; "The Analysis and Grading of Creosotes"; "Practical Forestry on a Spruce Tract in Maine"; "Tests of Vehicle and Implement Woods."

Iris Kaempferi.

ED. AMERICAN FLORIST:—

Five years ago I planted this iris in a black clay loam. The position is open, fairly moist and not over shaded. Two years ago it was top dressed with chicken manure and last year the plants were given sheep manure. They make a good growth but do not flower. Can you tell me the reason? G. M.

Replying to "G. M." regarding the non-flowering of Iris Kaempferi I have grown some 75 or 80 varieties of this species of iris and sometimes 500 or 600 plants of a single variety and I have yet to see a single plant that has failed to bloom with me amongst all the thousands I have yearly grown, now for quite a number of years. I think "G. M." must have got hold of some worthless or spurious stock. If he will send me a plant I shall be pleased to give same a fair examination and trial and will gladly report results through your columns. From the information supplied I see no fault as regards soil, situation or culture. Some of your readers may not have been so fortunate as myself in the growing and flowering of these fascinating plants and may give "G. M." the desired information.

HERBERT GREENSMITH.

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Surplus Shipping List
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Send for one. Low prices. Fine stock.
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OAKS and MAPLES.
PINES and HEMLOCKS.
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A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.
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AZALEAS (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.
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Price list free on demand.

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CATALOGUES AND PRICE LISTS FREE ON APPLICATION.....
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AMERICAN EVERBLOOMING HYDRANGEA
(H. Arborescens Sterilis.) Strong plants from pots for planting in nursery during May and June. These plants with us make 2 to 4 feet growth, with abundant bloom, the first season. Price: $8.00 per 100; $75.00 per 1000.
THE E. Y. TEAS CO., Centerville, Ind.

BOX TREES.
Beautiful shapely plants in fine condition and in nice green tubs.

PYRAMIDAL.

	Each	Per Pr.
2½-ft high	$ 2.00	$ 3.75
3 -ft high	2.50	5.00
3½-ft high	3.00	6.00
4 -ft high	$ 4.00	$ 7.00
5 -ft high	7.00	13.00
6 -ft high	8.00	15.00

STANDARD OR TREE SHAPED BOX.
Full, compact, well shaped.

	Each	Per Pr.
24-inch clear stem, crown 18 to 20 inches	$ 2.50	$ 4.50
24-inch clear stem, crown 24 inches	3.50	7.00
18-inch clear stem, crown 34 inches	4.50	8.00
24-inch clear stem, crown 34 inches	6.00	10.00

GLOBE SHAPED BOX TREES.

	Each	Per Pr.
12-inch diameter Globes, ¾-inch clear stem	$ 1.50	$ 2.50
18-inch diameter Globes, ¾-inch clear stem	2.00	3.50

BABY BOX TREES, 12 - 18-in. Stem.
Crown 10-inch diameter.....75c each; $8.00 per dozen.
Prices include trees planted in nice, new green tubs. Order at once.
Vaughan's Seed Store, 84-86 Randolph St. CHICAGO. 14 Barclay St., NEW YORK.
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Hardy Phlox.

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We are Headquarters for these. More than one hundred and fifty thousand one year old field grown plants now in pots.

Collection of Choice Standard Phloxes,

Aquillon (Tall). Bright Tyrian Rose with crimson-red eye.
Andreas Hoffer (Medium). An early and continuous pure white.
Bouquet Fleuri (Dwarf). Pure white with crimson-carmine eye; free-flowering; each branch a perfect bouquet.
Bridesmaid (Tall). White, with large crimson-carmine centre.
Beranger (Dwarf). Ground color white, delicately suffused with rosy pink and distinct amaranth-red eye.
Bacchante (Tall). Tyrian rose with crimson-carmine eye.
Clara Benz (Dwarf). Lovely carmine rose, with deeper eye.
Champs Elysee (Medium). A very bright rosy magenta of an effective shade.
Eclaireur (Tall). Brilliant rosy magenta with large lighter halo; an excellent variety.
Eugene Danzanvillier (Tall). Lilac, shading white toward the edges; large white centre.
Esclarmonde (Tall). Lilac marked with white; aniline-red eye.
Graff von Ungerer (Tall). Large flower; white suffused throughout with rosy lilac and dark crimson centre.
H. O. Wijers (Tall). Pure white, with crimson-carmine eye.
Henry Murger (Tall). White, with crimson-carmine centre.
Inspector Peiker (Tall). Purplish mauve, washed with white.
Jeanne d'Arc (Tall). A late-flowering pure white.
La Vague (Medium). Pure mauve with aniline-red eye; one of the best Phlox in our collection.
Otto Thalacker (Dwarf). Tyrian rose with red eye and light halo.
Obergartner Wittig (Medium). Bright magenta, with crimson-carmine eye; large flower and truss; the best of its type.
Pantheon (Tall). Bright carmine rose.
Pecheur d'Islande (Tall). Crimson red, suffused with cochineal-red and carmine-red eye.
Pacha (Dwarf). Deep rose pink suffused with solferino-red and carmine-purple eye.
Professor Schlieman (Tall). Pure mauve with crimson-carmine eye; an effective late flowering variety.
Papillon (Medium). Bright violet purple, marked with white.
R. P. Struthers (Tall). Rosy carmine with claret-red eye; one of the best Phlox in cultivation.
Sunshine (Dwarf). Large flower, aniline-red with crimson-red eye and light halo.
Thebaide (Dwarf). Carmine lake with brighter shadings and aniline-red eye.
Von Goethe (Tall). Tyrian rose, suffused with carmine lake and carmine-red eye.

Price choice standard varieties: Strong, one-year-old field-grown plants, 75c. per doz.; $5.00 per 100; $40.00 per 1,000.

New and Rare Hardy Phloxes

	Pr 100	Pr 1000
Albion. A variety which originated with us several years since. It is a remarkably strong, vigorous grower, producing very large panicles of pure white flowers with a faint aniline-red eye. An excellent sort for massing	$6.00	$50.00
B. Comte (Tall). A glowing reddish or French purple; one of the finest dark-colored varieties	6.00	50.00
Coquelicot (Dwarf). A fine pure scarlet with crimson-red eye	6.00	50.00
Etna (Medium). Crim.-red suffused with fiery-red; cherry-red eye	6.00	50.00
F. G. von Lassburg (Tall). The finest white in cultivation; the individual flowers being fully double the size of any other variety, pure in color; a strong, clean, vigorous grower	10.00	90.00
Hermine (Dwarf). The dwarfest variety in our collection, never exceeding ten inches in height; pure white flowers of good size; early; unequalled for bordering; a perfect little gem	6.00	50.00
Inspector Elpel (Tall). Tender rose, with bright crimson-carmine eye	6.00	50.00
Jules Cambon (Medium). Very large, reddish purple, with exceptionally large pure white centre; the brightest and most distinct of this type	10.00	90.00
Le Mahdi (Tall). Reddish violet with darker eye	6.00	50.00
Mrs. Jenkins (Tall). An early-flowering, pure white, forming an immense panicle; one of the best	10.00	90.00
Michael Cervantes (Tall). Pure white with pure red eye; large flower	6.00	50.00
Selma (Tall). Large flower, pale rose mauve, with distinct claret-red eye	10.00	90.00
Vesuvius (Medium). Bright pure red, with French-purple eye; rich and gay	6.00	50.00

JAPANESE ANEMONES

Not the winter killed or dried up cellared stock so often seen, but established growing plants from three inch pots which will flower early and continuously, one of the most valuable subjects to plant for late summer and fall cut flowers. We offer the following choice varieties:

	per doz;	per 100;	per 1000
Japonica, Rosy red,	$ .85	$6.00	$50.00
" Alba. Pure white,	.85	6.00	50.00
" Elegantissima. Semi-double satiny rose	1.25	8.00	70.00
" Lord Ardilaun. Large single white,	1.25	8.00	70.00
" Prince Henry. Double deep rich pink,	1.25	8.00	70.00
" Queen Charlotte. Large double silvery pink,	.85	6.00	50.00
" Rosea Superba. Delicate silvery rose,	.85	6.00	50.00
" Whirlwind. Large semi-double white,	.85	6.00	50.00

Japanese Iris—Iris Kaempferi. The stock which we offer is of our own growing, not newly imported, therefore absolutely free of mixtures. We offer twenty distinct varieties and recommend these as a valuable early summer flower.
Named Varieties Strong Roots, $1.50 per doz.; $10 per 100; $75 per 1,000
Choice Mixture Strong Roots 0.85 per doz.; $6 per 100; $50 per 1,000

Tritoma Pfitzeri—The Everblooming Red-Hot Poker or Flame Flower. We have a good supply of this flowering variety which is so valuable as a decorative cut flower for late summer and fall use. We offer strong roots, $1.00 per dozen; $7.00 per 100; $60.00 per 1,000.

Tritoma Pfitzeri.

HENRY A. DREER, 714 Chestnut St., PHILADELPHIA, PA.

Dormant Roses

Two-Year-Old No. 1 Stock.

	Per 100
American Beauty, bench grown	$10.00
La France, budded	15.00
Frau K. Druschki, budded	15.00
Soleil d'Or, budded	15.00
Paul Neyron, budded	15.00
Hermosa, strong, own roots	12.00
General Jacqueminot, budded	11.00
Magna Charta, budded	11.00
Mad. G. Luizet, budded	11.00
Perle des Blanches, budded	11.00
Mrs. Sharman Crawford, budded	15.00

	Per 100.
Mad. Plantier, own roots	10.00
Memorial Roses, 5 kinds, own roots	10.00
Rugosa Roses, Red and White	12.00
Moss Roses, White, Pink and Red, budded	12.00
Prairie Queen, own roots	10.00
Baltimore Belle, own roots	10.00
Standard Baby Ramblers, 4 ft.	50.00
Half Standard Baby Ramblers, 3 ft.	50.00
Standard Dorothy Perkins, 8-10 ft.	Each $1.50
Standard Crimson Rambler, 8-10 ft.	Each 1.50

VINES.

	Per 100
Ampelopsis Quinquefolia, 3 yr.	15.00
Aristolochia Sipho, 3 yr.	25.00
Honeysuckle Belgica, 3 yr.	25.00
Honeysuckle Heckrotti, 3 yr.	25.00
Honeysuckle Scarlet Trumpet, 2 yr.	12.00
Matrimony Vines, 3 yr.	10.00
Ampelopsis Veitchii, 3-4 ft.	15.00
Ampelopsis Veitchii, 2-3 ft.	12.00
Ampelopsis Veitchii, 18-24 in.	10.00
Clematis Jackmanni, 2 yr. pot grown	20.00
Clematis Henryii, 2 yr. pot grown	20.00
Clematis Gipsy Queen, 2 yr. pot grown	25.00
Clematis Gipsy Queen, 3 yr. field grown	25.00
Clematis Ville de Lyon, pot grown	20.00
Clematis Ville de Lyon, 3 yr. field grown	25.00

	Per 100
Clematis Beauty of Worchester, 2 yr. pot grown	30.00
Clematis Montana Rubens	Each $1.00

PERENNIALS AND SHRUBS.

Tritoma Pfitzerii	10.00
German Iris, 15 named kinds	6.00
Japan Iris, imported clumps, 13 sorts	15.00
Astilbe Davidii, Mt. Blanc, and Lemoines New Rose	$2.00 per doz.
Dielytra Spectabilis	7.00
Hydrangea Snowball, 3 yr.	Doz., $5.00
Magnolia Hallcana, 3 ft.	Each $1.25
Lilac Chas. X and Marie Legray, pot grown, each	50c
Robinia Rosea, 3 ft.	25.00

CARNATIONS—Rooted Cuttings.

	Per 100	Per 1000
Afterglow, 2-in. pots	$12.00	$100.00
Andrew Carnegie, 2-in. pots	12.00	100.00
Defiance	12.00	100.00
Sarah Hill, 2-in. pots	12.00	100.00
White Enchantress	6.00	55.00

	Per 100	Per 1000
Red Riding Hood, from soil	5.00	40.00
Winsor, from soil	6.00	45.00
Mrs. Patten, from soil	2.50	20.00
Prosperity, sand	2.50	20.00

VAUGHAN'S SEED STORE, 84-86 Randolph Street, CHICAGO
14 Barclay Street, NEW YORK.

Greenhouses and Nurseries: Western Springs, Ill.

Strictly First-Class PLANTS

ON OWN ROOTS

2½-pots to line out.

ROSE PLANTS

$2.50 per 100
$25.00 per 1000
Baby Rambler
Clothilde Soupert
Dorothy Perkins
Mme. A. Chatenay
Crimson Rambler

$3.00 per 100
$30.00 per 1000
Black Prince
Mme. Masson
Richmond
Kaiserin
Paul Neyron

$2.75 per 100
$27.50 per 1000
Hermosa
Maman Cochet
Malmaison
Etoile de Lyon
Helen Gould
Lady Gay
M. Neil
Notting
Meteor
White Maman

$3.50 per 100
$35.00 per 1000
Etoile de France
Gen. McArthur
Mme. J. Guillemot
Mrs. J. Laing

Helen Good
$5.00 per 100

J. B. Clark
$8.00 per 100

C. M. NIUFFER, Springfield, O.

60,000 Grafted Roses

	Per 100
Chatenay, Killarney, Richmond, Liberty, La France, in rose pots	$15.00
3½-inch pots	18.00
Bride, Bridesmaid, Golden Gate, Kaiserin, in rose pots	10.00
3½-inch pots	15.00

OWN ROOT ROSES.

3-inch pots.....$7.00 and $9.00 per 100

Orders received for early delivery.

50,000 Verbenas in bud and bloom.

Also good varieties of **COLEUS.**

J. L. DILLON, Bloomsburg, Pa.

Alaska-Yukon-Pacific Exposition.

ED. AMERICAN FLORIST:—

On behalf of the Alaska-Yukon-Pacific exposition, April 8, 1907, I invited the American Association of Nurserymen to hold its 1909 convention in Seattle during the time of the exposition. This invitation is again extended and I sincerely hope that at its next meeting it will decide to do so. The exposition will open June 1 and close October 15, 1909, and low railroad rates will be in force from all parts to Seattle. In the case of transcontinental tariffs it is likely the railroads will adopt the same policy as prevailed during the Lewis and Clark centennial exposition at Portland, Ore., and establish validating offices at other points on the Pacific coast as well as the exposition city, so that eastern visitors may come by one road and return by another.

KAISERIN

	Per 100	Per 1000
Strong young plants in 2 1-2-inch pots	$4.50	$40.00

Bench Plants of American Beauties

$6.00 per 100; $50.00 per 1000. Now ready for shipment.

	Per 100	Per 1000
MAID, BRIDE, RICHMOND and CHATENAY	$3.00	$25.00

BASSETT & WASHBURN,

76 Wabash Avenue, CHICAGO.

VINCA MINOR

(GRAVE MYRTLE)

2-inch, $3.00 per 100; $25.00 per 1000. 2½-inch, strong, $3.50 per 100; $30.00 per 1000

HYDRANGEAS

Fine plants, well flowered, good value in each size; from 25 cents to $4.00 each.

ARAUCARIAS.

We have a specially fine lot of Araucarias—the plants at $1.00 each are extra value for the money.

4-inch.....50 cents each
5 " .....75 " "
6 " .....$1.00 each

KENTIAS

		Per doz.
Kentia Belmoreana,	5-in.	$ 7.20
" "	5-in. strong	9.00
" "	6-in.	12.00
" "	6-in. strong	15.00
" Forsteriana,	5-in.	7.20
" "	5-in. strong	9.00
" "	6-in.	12.00
" "	6-in. strong	15.00

ROSES IN POTS AND OUTDOOR.

Prairie Queen, 3 to 5 feet, 15 to 35c each. Per 100
Ramblers, Crimson, 2 feet, 15c.
" Baby, 3½-inch pots .....$ 6.00
Sweet Brier, 2 to 3 feet, 10c to 25c each.
1 Lot Hybrid Perpetual, 5-inch, asst. varieties, pot grown 15.00

ROSES.

Brides, 3-in. pots	3c
Maids, 3-in. pots	3c
Chatenay, 3-in. pots	3c
Baby Ramblers, 3-in. pots	6c
Uncle John, 1-year-old in flower and bud, 6-in.	15c
Chatenay, 1-year-old, in flower and bud, 6-in.	15c
Hardy hybrid perpetuals, $30 per 100; $4 per doz.	

	Per doz.	Per 100
Asparagus Plumosus, 3-inch	.75	$ 6.00
" **Sprengeri,** 4-inch	1.25	10.00

DAHLIAS.

These are large field clumps.

Cactus.	Per doz.
Mrs. A. Beck, rich, salmon, twisted petals, scarlet reflex	$1.00
Charles Woodbridge, bright crimson	1.00
Miss A. Nightingale, bright red, shading to golden yellow at center	1.00
Kriemhilde, pink, shading to white at center	1.50
Countess of Lonsdale, a peculiar blending of salmon, pink and amber	1.50
F. Bartels, bright scarlet	1.00
Decorative.	
Zulu, black maroon	1.00
C. W. Bruton, a fine yellow, tall grower	1.50
Oban, rosy lavender	1.00
Iridescent, vivid red, tipped with blue	1.00
Sylvia, pink, white to center	1.50
Mrs. Geo. Reed, purple, with white tint	1.00
Show Dahlias.	
A. D. Livoni, a pure quilled pink	1.50
Cameliaflora, pure white dwarf	1.00
Single Dahlias.	
J. Cowan, a fine scarlet	1.50
John Downie, crimson	1.50
Sunningdale, blush white	1.00
Mixed Colors.	
Good varieties, all colors	.75
" " mixed yellow	.75

Perennial Clumps from Field.

12c per clump except where specified.

Iris Germanica, all colors under name, 10c.
" Kaempferi, blue, tall, 10c.
Bachelor's Buttons, yellow, 2 feet, 10c.
Campanula, assorted.
Chrysanthemum Uliginosum, 3 feet.
" Shasta Daisy.
Coreopsis Lanceolata.
Day Lily, 5 feet.
Gaillardia.
Golden Glow (or Rudbeckia), 8c.
Lychnis Chalcedonica.
Delphinium or Larkspur.
Phlox, all colors, under name.
Pentstemon, assorted.
Polemonium Cæruleum (Jacob's Ladder).
Physostegia Speciosa, grand, mixed.
Yucca Filamentosa (Adam's Needle), 25c.

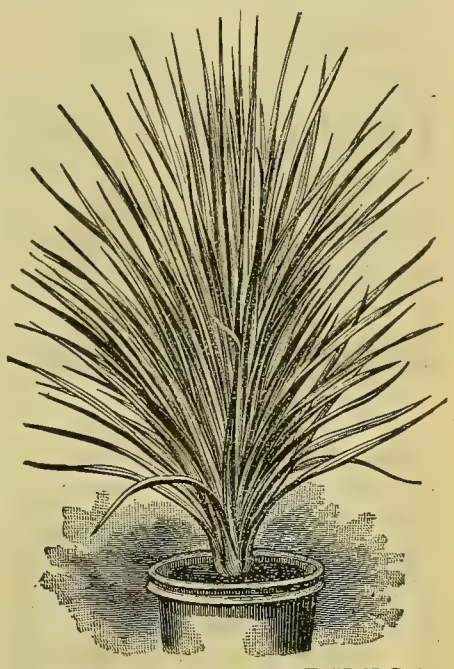
MISCELLANEOUS LOT OF BULBS.

	Per 100
Gladiolus, mixed	$1.00
Amaryllis Formosissima	5.00
Zephyranthes Alba	2.00
" Rosea	2.00
Pancratium, Spider Lily	5.00
Ismene Calathina, 1st size	6.00
" " 2nd size	4.00
" " bulblets	2.00
Tritoma Hybrids, asst. 1 year old, largest size	4.00
Tritoma Hybrids, small size	2.00

Cycas Revoluta.

4-inch .....25 cents each
5 " .....35 " "
6 " .....50 " "
7 " .....75c to $1.00 each
8 " .....$1.25 to $1.50 "

If we do not confine ourselves to the exact size of pot specified, we shall see that stock of good value for the money is sent on every order.



DRACÆNA INDIVISA.

This most useful plant is always in great demand in spring. Better secure your stock now. Fine plants in the following sizes and prices:

			Per doz	Per 100
Dracaena	Indivisa,	4-in.	$ 2.00	$12.00
"	"	5-inch	3.00	20.00
"	"	6-inch	6.00	40.00
"	"	7-inch	9.00	

Perennials in Pots, One Year Old.	Per 100
Dianthus, Sweet William, 5-inch pots	$10.00
Coreopsis Lanceolata, 5-inch pots	8.00
Campanula, asst., 6-inch pots	12.00

Perennials, last fall's sowing from cold frames

Hollyhocks, double, white, pink and red.
Aquilegia Canadensis and N. Grandiflora.
Gaillardia grandiflora superba.
Myosotis semperflorens (forget-me-not).
Delphinium Chinensis also alba.
Digitalis Glox.
Shasta daisy, pansies, daisy or bellis, $2 per 100.

Perennials in pots.

Coreopsis lanceolata, 5-in.	10c
Campanula in variety, 5-in.	12c
Campanula in variety, 6-in.	15c
Campanula in variety, bud and bloom, 6-in	35c
Sweet William, 5-in.	12c
Lychnis C., 3½-in.	5c
Ampelopsis Veitchii, 2-in.,	$2.50 per 100

The GEO. WITTBOLD CO., 1657 Buckingham Place, Chicago

Seattle will be able to accommodate comfortably all the visitors who attend the exposition, and, by the time it opens, the living accommodations will have more than doubled. There are in course of construction, or contemplated, hotels sufficient to take care of as many more persons as can be taken care of now. The price and variety of accommodations vary to meet all demands, and the exposition management will see that reasonable rates are charged. Besides the wonders of the exposition, Seattle will offer many other attractions. Its beautiful Puget sound, its wonderful lakes and snowcapped mountains will give the visitor a great scenic treat. There are many places of interest in and about Seattle, namely: Puget sound navy yard, where there are always many warships; Fort Lawton, a regimental military post; United States assay office, where more than $156,000,000 worth of gold has been received since 1898; Alki Point, a popular summer resort; 20 public parks in the city and bordering on the sound and the lakes. There are also many delightful side trips that can be made within a few hours or a day's journey. The ride across the country is in itself worth the trip.

HENRY E. REED.

TOLEDO, O.—As a measure to partially relieve the unemployed Bulgarians living on the east side, a co-operative gardening plan has been adopted. Forty acres of land located on Navarre avenue have been rented. Tools and seed have been furnished by interested persons, and it is expected that many of the aliens will be thus assisted.

ORCHIDS.

We advise the Growers and Private Places that our Importations will begin to arrive in a few weeks time and we will have the following: C. gigas, C. gigas Sanderiana, C. Mendelii, C. Schroederae, C. Trianae, C. Gaskelliana, C. Percivaliana C. aurea, Miltonia vexillaria, C. Mossiae. C. speciosissima, C. labiata and others. We guarantee that our plants will be extra fine with no disease or Cattleya fly and will quote the Lowest Prices in America.

ORDONEZ BROS., MADISON, N. J.

ORCHIDS.

Arrived in superb contition fine importations of Dendrobium formosum giganteum, D. Wardianum. These are elegant plants.

To arrive April 15, large importations C. gigas Sanderiana, C. labiata, C. Trianæ. A trial order will prove we carry the best stock that can be secured.

CARRILLO & BALDWIN,
Orchid Growers and Importers,
SECAUCUS, NEW JERSEY.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World.

SANDER, St. Albans, England.

NEW YORK OFFICE: Room 1, 235 Broadway. **T. MELLSTROM Agent.**

Imported Orchids

JUST TO HAND. Lælia Purpurata, Cattleya Intermedia, Cattleya Mossiæ.

JULIUS ROEHRS CO.,
The Orchid Nurseries, RUTHERFORD, N. J.

ROBERT CRAIG CO.

WELL GROWN YOUNG **ROSES**
and Novelties in Decorative Plants.
Market and 49th Sts., Philadelphia, Pa.

AMERICAN BEAUTIES

Good strong A No. 1 stock,
2¼-in. $5.00 per 100; $45.00 per 1000.
References from unknown parties.

The Lamborn Floral Co.,
Rosemont Greenhouses.
ALLIANCE, - OHIO.

CATTLEYA TRIANÆ

JUST AT HAND,

In perfect condition, a large shipment of this profitable orchid. We offer these in cases containing about 40 plants, aggregating 450 and more bulbs, at $55.00 per case.

Cattleya Labiata

in fine shape, in cases of 400 bulbs, at $55.00.

Cattleya Mossiae

in fine condition, in cases of 40 plants, $55.00 per case.

All subject to being unsold when ordered.

LAGER & HURRELL,
Orchid Growers and Importers,
SUMMIT, NEW JERSEY.

ROSES. ROSES.

Mrs. Potter Palmer 2½-in. strong, $15.00 per 100; $125.00 per 1000; 2000 or more $115.00 per 1000. 3½-in. $18.00 per 100; $150.00 per 1000.

Cardinal 2½-inch $6.00 per 100; $55.00 per 1000. 3½-inch $8.00 per 100; $75,00 per 1000.

Maids, Brides, Richmond, Sunrise, Uncle John, 2½-in. strong stuff, $4.50 per 100; $40.00 per 1000.

3½-in. Maids, Brides, Richmond, Kaiserin, ready May 20th, $6.50 per 100; $60.00 per 1000.

Benched Beauties, cut back, $6.50 per 100; $55.00 per 1000.
Benched Teas, " " $5.50 per 100; $50.00 per 1000.

CARNATIONS

Rooted Cuttings Beacon and Winsor, May 10th, $40.00 per 1000.
Chrysanthemums, best list of commercial varieties. See classified ad. page 806
Snapdragon, Pink and yellow, clear colors, 2⅝-in. $4.00.
6-in. **Plumosus** $20.00 per 100

POEHLMANN BROS. CO., Morton Grove, Ill.

Cannas

	Per 100
C. Henderson, 8 vars., my selection, 3-in. pots	$3.50
Alternantheras, red and yellow	2.00
Coleus, 10 vars., 2¼-in. pots	2.00
Centaurea Gymnocarpa	2.00
Pansy Seed, new crop, Giant-flowering, oz., $4.00.	

Geraniums

	Per 100
S. A. Nutt and 4 other vars., 3½-in. pots	$4.00
S. A. Nutt, 2½-in. pots	3.00
Seedling Petunias, from double seed, 2½-in. pots	2,50
Asp Plumosus, 2¼-in. pots	2.00
Asp. Sprengeri, 2¼-in. pots	2.00
Primroses, 8 vars., July 10	2.00

—CASH—

JOS. H. CUNNINGHAM, Delaware, O.

St. Louis.

DEPARTMENT STORES SLASH PRICES.

The weather the past week has been wretched, continual rain and cold and nothing doing. There is one consoling fact, that the price on good stock has stiffened, and anything good in carnations is bringing two cents. The rose market, perhaps, is not quite so crowded, but the absence of demand makes prices low. Quite a few roses are arriving mildewed. Sweet peas are normal in the absence of violets. A great many of the retail stores are complaining at the inroad made by the department stores into the plant trade. The low prices of geraniums and other plants sold by the department stores is generally condemned, as the sale of these plants is used in a great measure solely as a bait to sell their other goods, and thus, through these methods, the legitimate florist has to suffer. Surely the growers of these plants should get together and reason among themselves and keep the trade in its legitimate channels. Of course the grower can fight these low prices, but the florist who has to purchase his plants has a hard road to travel.

A meeting of the executive committee of the Horticultural Society took place last week. Over $1,500 in prizes was subscribed in addition to the Shaw prizes, for the flower show to be given the first week in November. The location of the hall has not yet been decided.

Dominic Bova, during the glut, purchased heavily for the store on Franklin avenue, and also the floral display made by the Red Bud Floral Co., at the Union market. They give special bargain days under the management of Mr. Bova, the head of the firm.

The society ladies are very busy preparing for their floral booth at the Charity carnival May 16, to be given at Forest Park Highlands.

Grimm & Gorley had a very fine display of decorative plants at the Columbian club for a recent event.

The Bentzen Floral Co. is making a fine display of plants, including geraniums and ferns. W. F.

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA.

ROSES.

	Per 100
K. A. Victoria, 2½-in.	$ 3.50
Richmond, Chatenay, Bon Silene, 2½-in	2.50
Geranium, Mme. Salleroi, 2¼-in.	2.50
Vinca Variegated, 2½-in.	2.50
White Dahlia, pot or bench, 3-in.	8.00

HARRY HEINL, W. Toledo, O.

Always mention The American Florist when you order stock. : : : :

Rose Plants

From 2½-inch Pots.

	Per 100	Per 1000
Bride	$3.00	$25.00
Bridesmaid	3.00	25.00
Uncle John	3.00	25.00
Ivory	3.00	25.00
Chatenay	3.00	25.00
Sunrise	4.00	35.00
Perle	4.00	35.00
Kate Moulton	5.00	40.00
Richmond	4.00	35.00
Killarney	5.00	40.00

CARNATIONS

Well Rooted Cuttings. Ready for Shipment.

	Per 100	Per 1000
PINK		
Lawson	$1.50	$12.50
Enchantress	2.00	15.00
WHITE		
White Lawson	2.00	15.00
RED		
Robt. Craig	2.50	20.00

Bench Plants Richmond and Perle.....$4.00 $35.00
American Beauty..... 6.00 50.00

PETER REINBERG

51 Wabash Ave., CHICAGO.

DORMANT CELLARED STOCK.

In Prime Condition; Ready for Prompt Shipment.

ROSES, Strong, 2-year. Field grown.

Crimson Rambler	$ 8 00 per 100
Dorothy Perkins	8.00 per 100
Baby Rambler	10.00 per 100

CLEMATIS, Strong, 2-years. Field grown. No. 1 grade.

Jackmanii, Henryi, Ramona } $14.00 per 100

	Per 100
Akebia Quinata, 4 - 6 ft	$ 10.00
English Ivy, strong, field grown	6 00
Wistaria Chinese White, 2 - 3-ft. heavy clumps	25.00
Wistaria, Chinese Purple, 12 - 18-in. heavy clumps	12.00

Also the following not dug, but can be shipped promptly. Per 100

Arbor Vitae American, 4 - 5-ft	$ 20.00
Arbor Vitae American, 3 - 4 ft	15.00
Irish Juniper, 18 to 24 inches	9.00
Norway Spruce, 3 to 4 feet	12.00

$100.00 per 1000

——SEND FOR LIST——

JACKSON & PERKINS COMPANY

NURSERYMEN AND FLORISTS—Wholesale Only.

Newark, New York.

NEW YORK.—L. Boehmer & Co., florists, have incorporated with capital stock $25,000. The directors are Vivian L. Outerbridge, Ethel Morrow and Bernard J. Tracey.

BALTIMORE, MD.—The Gardeners' Club held a meeting and exhibition in its clubroom, St. Paul and Franklin streets, April 27. The exhibitors were mostly out-of-town florists, with the exception of John Cook, who exhibited his new rose, My Maryland. Prof. J. N. Corbett, of Washington, D. C., gave an interesting talk on the proper treatment of soil in raising flowers and fruit.

ROSES. STRONG, CLEAN STOCK.

Grafted Killarney, Richmond, Brides, and Maids $12.00 per 100; $110.00 per 1000. Own-root Brides, Maids, Gates, Ivory, Perle, Killarney and Richmond $6.00 per 100; $55.00 per 1000.
All from 3½-in pots.

P. R. QUINLAN, SYRACUSE, N. Y.

ROCHESTER, N. Y.—The Livonia Floral Society of the Methodist church has just issued schedules for its tenth annual flower show to be held in Prettyjohns Opera House, August 13 and 14.

ROSES

On own Roots, Summer Grown, Winter Rested, Strong and Healthy.

Hybrid Perpetuals.

	2½-in. 100	2½-in. 1,000	4-in. 100
American Beauty	$6.00	.....	....
Anna de Diesbach	3.00	30.00	6.00
Ball of Snow	3.00	30.00	
Captain Christy	3.50	35.00	
Coquette des Alpes	3.00	30.00	8.00
Dinsmore			7.00
Francois Levet	3.50	30.00	8.00
General Jacqueminot			8.00
Giant of Battles	3.50	30.00	8.00
Gloire Lyonnaise	3.50	30.00	8.00
Hugh Dickson	8.00	75.00	15.00
John Hopper	4.00	35.00	7.00
La Reine	3.50	30.00	8.00
Madame Masson			6.00
Madame Plantier	3.00	30.00	6.00
Magna Charta			7.00
Margaret Dickson	4.00	40.00	7.00
Mrs. John Laing	3.50	35.00	6.00
Paul Neyron	3.50	30.00	6.00
Prince Camille de Rohan			7.00
Roger Lambelin	3.50	30.00	
Ulrich Brunner	5.00	40.00	
Vick's Caprice	3.50	30.00	8.00

Polyanthas, Etc.

Anny Muller (Pink Baby Rambler)	5.00	45.00	15.00
Clothilde Soupert	3.00	27.50	8.00
Mme. Norbert Levavasseur (Crimson Baby (Rambler)	2.50	25.00	7.00
Hermosa (Bourbon)	2.75	27.50	8.00
Souv. de la Malmaison (Bourbon)	3.00	27.50	7.00
Conrad F. Meyer (Hybrid Rugosa)	4.00	40.00	
Gruss an Teplitz (Hybrid Bengal)	2.75	27.50	
Moss, red, pink, and white	4.00	40.00	10.00

Hardy Climbers.

Baltimore Belle	2.50	25.00	7.00
Climbing Clothilde Soupert	2.50	25.00	
Crimson Rambler	2.50	25.00	
Debutante	2.50	25.00	8.00
Dorothy Perkins	2.50	25.00	7.00
Hiawatha	2.75	27.50	8.00
Lady Gay	2.75	27.50	
Philadelphia Rambler	2.50	25.00	
Pink Rambler (Euphrosyne)	3.00	25.00	7.00
Prairie Queen	2.50	25.00	7.00
South Orange Perfection	2.50	25.00	8.00
Sweetheart	2.50	25.00	8.00
Tennessee Belle	2.50	25.00	7.00
Universal Favorite	2.50	25.00	8.00
Yellow Rambler (Aglaia)	2.50	25.00	
White Rambler (Thalia)	2.50	25.00	
Wichuraiana (Memorial)	2.50	25.00	

Hybrid Teas.

Antoine Rivoire	2.75	27.50	7.00
Antoine Verdier	2.50	25.00	
Beauty of Stapleford	2.50	25.00	
Bessie Brown	2.75	27.50	7.00
Cherry Ripe	3.50	35.00	
Etoile de France	3.50	35.00	
Kaiserin Augusta Victoria	3.00	30.00	
KAISERIN GOLDIFOLIA	20.00	175.00	50.00
La Detroit	2.75	27.50	
Mlle. Helene Gambier	2.75	27.50	8.00
Rosalind Orr English	3.00	30.00	8.00
Souv. de Pres. Carnot	3.50	30.00	8.00
Striped La France	3.00	27.50	8.00
Wellesley	3.50	30.00	8.00
White La France	3.00	27.50	8.00

Teas.

Bougere	2.50	22.50	8.00
Christine de Noue	2.75	27.50	
Devoniensis	2.50	25.00	
Duchesse de Brabant	2.50	22.50	
Etoile de Lyon	3.00	27.50	
Mme. de Watteville	2.75	27.50	8.00
Mme. Lambard	2.75	27.50	8.00
Mme. Welche	2.75	27.50	
Mlle. Cecile Berthod	2.50	25.00	
Mlle. Francisca Kruger	2.50	25.00	
Maman Cochet (Pink)	3.00	27.50	8.00
Marie Guillot	2.50	25.00	
Marie Louise	2.50	22.50	8.00
Souv. de Pierre Notting	2.75	27.50	
Sunrise	4.00	35.00	7.00
Sunset	3.50	35.00	9.00
The Queen	2.50	25.00	
White Bougere	2.75	27.50	
White Maman Cochet	3.00	27.50	8.00

Climbing T., H. T. and N.

Climbing Devoniensis	3.00	25.00	
Climbing Kaiserin	3.00	27.50	
Empress of China	2.50	25.00	8.00
Mme. Wagram	3.00	30.00	8.00
Marechal Niel	3.50	30.00	12.50
Mary Washington	2.50	25.00	8.00

Vinca Variegata.

R. C., 90c per 100; $7.50 per 1,000; 2½-in., $2.25 per 100; $20.00 per 1,000. All extra fine.

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO

GEO. A. KUHL,

Wholesale grower of plants at
PEKIN, ILLINOIS
—OFFERS—

CHRYSANTHEMUMS

If you want some extra early try **Robt. Halliday,** yellow, and **Willowbrook** and **Kalb** for whites. We have 3 varieties of pink; 8 of yellow: 10 of white, all good ones. R. C. $1,50: 2½-in. pots at $2.50 per 100.

Fine Smilax at $2.50. Specially low prices for soft wooded plants. Ask for our list.

ROSES.

1000 extra fine **Killarneys**. Ask for our complete rose list. Stock will please you.

Cannas, 3- and 3½-in.
Coleus. Red, yellow, and mixed. R. C. and 2-in.
Geraniums, 2½-, 3- and 4-in. red, white pink and salmon.

FERNS.

Our stock is fine, we grow 50,000 annually.

HYDRANGEAS.

A lot of 3-in. at $10.00 per 100. 6- and 7-in. pots, fine for Decoration Day at 50c, 75c and $1.00 each.

Baby Ramblers, in 4-in- 25c., 5-in. 40c.
Souperts, in 3-in. 15c., 4-in. 20c
Crimson Ramblers, 6-in. $1,00; 3-year-old roots.
Dormant Ramblers, Crimson, white, and yellow 3-year-old $5.00 a dozen.
Clematis, 3-year, $6.00 per doz.

SPECIAL GERANIUMS.

15,000 in 2½-, 3- 3½- 4- and 5-in. pots. 10,000 **Asters** in flats and 2-in. pots. 5000 **Smilax** in 2-in. pots.

A FEW GOOD THINGS YOU WANT.

Asparagus Sprengeri, 2-in., $2,50 per 100; 3-in, $5.00 per 100. Seedlings, $1.00 per 100.
Geraniums, Nutt, Doyle, Perkins, Ricard, Grant, La Favorite, R. C., $1.25; 2-in. pots, $2.00; 3-in., $4.00 per 100; Trego, Viaud, Castellane, Poitevine, Jaulin, R. C., $1.50; 2-in. pots, $2.50; 3-in., $5.00 per 100. Mme. Salleroi, 2-in. $3.00 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100; 3-in., $5.00 per 100.
Boston Ferns, 5-in., 30c each.
Vinca Var., 2-inch, $2.00 per 100.
Dracena Indivisa, 2-in., $3.00; 3-in., $5.00 per 100.
Gladiolus Bulbs, light colors, $1.00 per 100.
Rex Begonia, $5.00 per 100.
Coleus, Cigar Plant, Verbena, Heliotrope, Scarlet Sage, Bonfire, Alternanthera, red and yellow, 2-in- pots. $2.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the express companies properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J

Dracæna Indivisa.

Fine stock for Hanging Baskets.

Strong plants from 3-inch pots, $6.00 per 100; $50.00 per 1000; 250 at 1000 rate.

VICK & HILL CO.

P. O. Box 613, Rochester, N. Y.

ROOTED CUTTINGS. Prepaid per 100. Heliotrope Alternanthera 50c; Coleus, Ageratum, 60c; Salvia, 85c. **Fuchsia,** 5 fine kinds, 2-in. $1,50 per 100.
SHIPPENSBURG FLORAL CO. Shippensburg, Pa

SILVERHILL, ALA.—The Southern Alabama Plantation Co. has been incorporated with $50,000 capital stock by P. C. Pearson, Oscar Johnson, O. F. E. Winberg and others.

FERNS. FERNS.

2¼-inch	Boston and Piersoni, extra strong	$ 3.00 per 100;	$ 25.00 per 1000
3 -inch	" " " " "	6.00 per 100;	55.00 per 1000
5 -inch	" " " " "	25.00 per 100;	
6 -inch	" " " " "	35.00 per 100;	
2¼-inch	Scotti and Elegantissima, extra strong	4.00 per 100;	35.00 per 1000
3 -inch	" " " "	8.00 per 100;	75.00 per 1000
2¼-inch	Asparagus Plumosus " "	3.00 per 100;	25.00 per 1000
4 -inch	" " " "	8.00 per 100;	75.00 per 1000
2¼-inch	" Sprengeri, " "	2.25 per 100;	
3 -inch	" " " "	5.00 per 100;	
4 -inch	" " " "	8.00 per 100;	

Hardy Plants Get our prices on Seedlings transplanted and field-grown. We have a very fine assortment of undivided clumps.

See our offerings of Bedding plants among the classified advertisements.

THE MOSBÆK GREENHOUSE CO., ONARGA, ILL.

PALMS.

Areca Lutescens, Cocos Weddelliana
Kentia Belmoreana, Kentia Forsteriana

HOME GROWN

WRITE FOR PRICES

Joseph Heacock Company, Wyncote, Pa.

Cycas Stems

NEW STOCK ALL SIZES

Prices:

VAUGHAN'S SEED STORE,

CHICAGO, 84-86 Randolph St. NEW YORK, 14 Barclay St.

Neph. Whitmani

2¼-inch....................$ 5.00 per 100
3½-inch.................... 25.00 per 100

Boston Ferns 2¼-inch, $3.00 per 100.

Henry H. Barrows & Son, WHITMAN. MASS.

..BOSTON FERNS..

3-in pots, $1.00 per doz.; $7.00 per 100.
4-in pots. 1.50 per doz.; 10.00 per 100.
5-in pots, 4.00 per doz.; 25.00 per 100.

WHITMANI FERNS

3-in pots, $1.00 per doz.; $7.00 per 100.
4-in pots, 1.50 per doz.; 10.00 per 100.
—Cash please—

Muskogee Garnation Co., Muskogee, Okla.

FOR SALE.

Four large specimens Latania Borbonica Palms, 12-feet high and spread, in large cypress boxes. Also six (6) smaller ones in boxes. Make me an offer. Can be shipped at once by freight.

JOHN RALPH, Saratoga, N. Y.

Kentia Forsteriana

MADE UP PLANTS.

Fine, Clean, A1 Stock.

8-in. pot, 3 to 4 ft. high........$2.00 each
10-in. pot, 4 to 5 ft. high........ 4.00 each
10-in. pot, 5 to 6 ft. high........ 6.00 each
12-in. pot, 5 to 7 ft. high........ 8.00 each

HEISS, Florist,

112 S. Main St., DAYTON, O.

FIRST-CLASS STOCK.

100,000 Geraniums, most in bud and bloom, 8 varieties, strong 3-in., $4.00 per 100; $35.00 per 1000. Strong 3½-, 4-in. $5.00 per 100; $45. per 1000 Well grown set apart stock in bud and bloom.
Vinca Variegata, 3½- and 4-in. $6.00 per 100.
M. Verbenas, Lobelia, trailing and compacta, **Ageratum,** blue. all in bud and bloom. **Salvia,** Bonfire and Spl. **Coleus,** 12 varieties, strong. 2-inch $1.50 per 100; $14.00 per 1000; Strong 3-in. $2.50 per 100.
Begonia Vernon and **Cannas,** strong. 3-in. in bud and bloom, $4.00 per 100;
German Ivy, Dreer's single fringed **Petunias,** in bloom, strong 3-in, $2-50 per 100.
Heliotrope, bushy, 3-in. $3.00 per 100.

Cash. **Satisfaction Guaranteed.** Extras added to help pay expressage.

WM. S. HERZOG, Morris Plains, N. J.

Sprengeri, 2-in. 2c **Swainsona alba,** 2-in., 2c, **Heliotrope,** 2-in. 2c. **Feverfew,** 2-in., 2c. **Coleus,** 2-in, 2c. **Feverfew,** nice young plants, 75c per 100. single **Hollyhock,** field, $2.50 per 100. 2-in. **Stock** 2c. Stock **Princess Alice, Cuphea, Alternanthera,** red and yellow, **Vinca Variegata, Fuchsia, Artillery Plant,** 2-in. 2c. **Forget-me-nots** and **Double Daisies,** $2.50 per 1000. **Pansies** in bud, $3.00 per 1000. **Ivy Geranium,** 2-in. 2½c.

Rooted Cuttings prepaid per 100: **Flowering Begonias,** $1.25 per 100; **Paris Daisies,** yellow and white, $1.00 per 100; Alexandra $1.25 **Petunia,** double, 10 kinds $1.00; **Swainsona Alba,** $1.00. **Cuphea,** 75c. **Fuchsia,** 5 kinds. $1.25 **Vinca Variegata,** 90c. **Alternanthera,** 3 kinds, 50c. **Coleus,** 10 kinds, **Ageratum,** White, Inimitable, 60c. **Salvia,** Bonfire, 90c. **Feverfew,** Gem, $1.00. **Parlor Ivy,** 75c.

Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

Minneapolis.

CUT FLOWERS SCARCE.

Stock in general was very scarce the past week, roses and carnations being about the only thing on the market, and not nearly enough of them could be secured. The demand was heavy for general cut flowers and funeral work; there are no weddings or social events to warrant the use of anything in an elaborate decoration. The weather has been so cold that there has not been much done in planting, but, evidently, this will not be a year for the hardy nurseryman, as winter jumped so suddenly into spring and, Easter being so late, not much attention was paid to the hardy stock.

NOTES.

The Minneapolis Floral Co. has the front of its establishment decorated with rows of fine boxwood, pyramid, standard, and fancy shapes. This firm is displaying the largest line of iron vases ever seen in this city, ranging from two feet to seven feet high, and expects a large shipment of bay trees a little later on in the spring.

Rice Bros. find stock as scarce as the majority; they are shipping in some very good Spanish irises.

R. A. Latham has just received a shipment of first class bay trees and boxwood. M.

AUBURN, ILL.—Harry Boyd will in the near future begin the erection of greenhouses on his ranch south of town. His intention is to conduct the greenhouse business on a large scale.

LARGEST STOCK OF ALL

Belgian Plants

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

LOUIS VAN HOUTTE, PERE,

GHENT, BELGIUM.

..BOSTON FERNS..

2-inch, 3c; 2½-inch, 4c; 3-inch, 6c; 4-inch, 10c.

Asparagus plumosus, 2-inch, 3c.
Asparagus Sprengeri, 3-inch, 4c; 5-inch, 10c.

Chatogue Greenhouses,

MOBILE, ALA.

10,000 Cannas.

Fine strong plants in 2½ and 3 in.. $5.00 per 100, $40.00 per 1000, in following varieties:

Mme. Crozy,	America,
Egandale,	Mlle. Berat,
Florence Vaughan,	Beaute Poitevine,
Queen Charlotte,	Souv. d' Antoine Crozy,
A. Bouvier,	Philadelphia,
Burbank,	Allemania,
E. Campbell,	Elizabeth Hass,
Austria, Italia,	Mrs. Wm. F. Kasting,
Partenope,	Senator Viger.

Fine 5-in. Hydrangeas in bloom, $35 per 100

A large stock of **GERANIUMS** and **ROSES**, in variety, for immediate delivery.

C. H. FREY, 1133 O St., Lincoln, Neb.

Now is the time to place your orders for

Begonia Gloire de Lorraine, Cyclamen and Poinsettias.

I am well equipped to supply the above in any quantity at the following prices:

Begonia Gloire de Lorraine, 2½ in. pots (leaf cuttings), **$15** per 100; **$140** per 1000.
Cyclamen, per 100, 2½ in., **$5**; 3 in., **$7**; 4 in., **$15**; 5 in., **$20.**
Poinsettias, 2½ in., **$5** per 100; **$45** per 1000.

Satisfaction guaranteed.

S. S. SKIDELSKY

1741 N. 18th St., Philadelphia, Pa.

OECHSLIN'S FERNS.

BOSTON FERNS.

Nice bushy plants.	Per doz.
7-in. pots	9 00
8-in. "	12 00

Nephrolepis Whitmani
9 in. pots, $2.00 each.

FERNS FOR DISHES.

Six leading varieties.
Strong bushy plants.

	Per 100	Per 1000
2-inch pots	$ 3 00	$ 25 00
	Per doz.	Per 100
3-inch pots	$ 0 75	$ 6 00

Cyrtomium Falcatum.

Holly Fern. Strong plants.

	Per doz.	Per 100
4½-in. pots	$ 2 00	$15 00
5-in "	3 00	25 00
6-in "	5 00	

Dracena Indivisa

Fine plants for Baskets and Vases.

Strong 4½ in. pot plants, per dozen $2.50; per 100 $20.00.

6-in. 50c; 7-in. 75c.

Fern Hanging Baskets.

Anna Foster

Well grown and drooping, $2.00 each.

Pteris Wimsetti and Ouvrardi

Strong and bushy, 4½-in. pots, $2.00 per doz.; $15.00 per 100.

Asparagus Plumosus.

Strong bushy plants, ready to shift.

	Per doz.	Per 100
4½-in. pots	$ 1 50	$ 12 00
5 in. " 3 in a pot	3 00	20 00
6-in. " 3 "	6 00	

Asparagus Sprengeri.

Strong plants, fine for Hanging Baskets.
4-in. pots $1.50 per doz.; $12 00 per 100.
6-in. pots, 3.00 per doz.; 25.00 per 100.

Aspargus Sprengeri Baskets
12 and 14-in. $1.50 and $2.00 each.

Cocos Weddelliana

3-in. pots.....per doz. $2.50; per 100 $20.00
5-in. " ...4 in a pot, 75c each; $9.00 per doz.

Pandanus Veitchii

Strong and well colored.

5 in. pots	$1.00 each.
5½-in. pots	1.25 each
6-in. pots	1.50 each

Primula Obconica Grandiflora Rosea.

STRONG PLANTS.

4-in. pots, strong plants in bloom.....$1.50 per doz.; 12.00 per 100

TERMS STRICTLY CASH WITH ORDERS.

FRANK OECHSLIN, 2572 West Adams Street, **Chicago, Ill.**

Formerly GARFIELD PARK FLOWER CO.

Extra Fancy Carnation Blooms

Shipped direct to all points. Special attention to telegraph orders. Give us a trial and be convinced.

J. D. THOMPSON CARNATION CO., Joliet, Ill.

CARNATIONS

READY MAY 11th. Per 1000

White Perfection.....$20.00
Pink Imperial..... 30.00
Winsor..... 40.00
Enchantress and J. Haines..... 10.00

GERANIUMS

Ready May 4th; S. A. Nutt, Poitevine, Ricard Viaud, Castellane and Perkins at $10.00 per 1000.

Asparagus Plumosus, ready for 3-inch now at $30.00 per 1000.
Asparagus Sprengeri and **Smilax,** ready June 1st at $15.00 per 1000.

ALBERT M. HERR,
Lancaster, Pa.

CARNATIONS

Rooted Cuttings. Healthy stock.

	Per 100	1000
Winsor, Helen M. Gould Beacon	$6.00	$50.00
White Enchantress	7.00	60.00
Melody, Victory	4.00	
Enchantress, Lady Bountiful, Red Lawson, Variegated Lawson, White Lawson, Daheim	3.00	25.00
Mrs. T. W. Lawson, Boston Market	2 00	15.00

Send for Catalogue.

WOOD BROTHERS
FISHKILL, N. Y.

JOHN E. HAINES,

BETHLEHEM, PA.,

is the place to order rooted cuttings of the following varieties for 1908.

	Per 100	Per 1000
John E. Haines, red	$6.00	$50.00
Imperial, variegated	6.00	50.00
Pink, Pink	6.00	50.00
Enchantress, Light pink	6.00	50.00

Afterglow

Strong Rooted Cuttings now ready,
$12.00 per 100; $100 per 1000.

R. WITTERSTAETTER,
(Originator)
Station F. CINCINNATI, O.

Jensen & Dekema

CARNATION SPECIALISTS

674 W. Foster Ave., CHICAGO.

Boundbrook, N. J.

In honor of Governor Fort, A. C. Zvolanek has named a new variety of sweet pea that he is cultivating. Being a great admirer of the governor, he decided that either one of his two new varieties should bear his name and be so registered officially. Mr. Zvolanek has recently received a report concerning the trials of his peas at the University College gardens, Reading, England. Among other interesting data the report says: "There was not one really late sweet pea in the whole trial."

Thomas Young, Jr., will build several new greenhouses this season.

ROCHESTER, N. Y.—Geo. T. Boucher says his Easter trade this season was even better than that of last year, in spite of hard times generally.

CARNATIONS ROOTED CUTTINGS.

Aristocrat	Per 100. $ 5 00	Enchantress	Per 100. $ 2 00
Winsor	" 5 00	Lady Bountiful	" 2 00
Perfection (White)	" 2 75	Victory	" 2 75

Rose Pink Enchantress, $2.75 per 100.

SALVIA ZURICH. The Ever-blooming Salvia. Rooted cuttings, $1.75 per 100; 2-in. $3 00 per 100.
The Salvia Zurich was first introduced by us.

PERENNIAL GARDENS CO., Toledo, Ohio.

Rex Begonias

Ready to Hand Over the Counter.

Will not have to be kept in stock for a few weeks to become salable, but will sell on sight. We get duplicate orders; no complaints.

Flowering varieties, Carnot, Thurstoni, Olbia, Metallica, Rubra, etc., 2½-in., strong, $4.00 per 100. $ 6.00 buys 100, assorted, from 3 and 3½-in. pots. $10.00 buys 100, assorted, from 4-in. pots.

Fancy Coleus, 2½-in., stroug, $2.50 per 100.

HERMS FLORAL CO.,
713 Chillicothe St, PORTSMOUTH, OHIO.

FOR THE TRADE. Per 100

Chrysanthemums 20 good com. varieties, 2¼-inch according to variety	$2 00$	3.00
Cannas, 10 good French varieties, moss-rooted		5.00
Vinca, variegated and green 4-in, 10.00; 3-in.		5.00
Cobeas, 3-inch		5.00
Coleus, about 15 best bedding varieties 3- and 2-inch	$3.00	2.00
Salvias, Ragueneau, St. Louis, Bonfire 3- and 2½-in	$5.00	3.00
Smilax, 3- and 2 in	$3.00	2.00
Alyssum, 2-in		2.00
Ageratum, dwarf blue, 2½-in		3.00
Verbenas 2½- and 2-in. in bloom	$3.00	2.00
German Ivy, 2½-in		2.50

SCHMALZL & HEMBREIKER,
West End Greenhouses. Lincoln, Ill.

Alternantheras.

Strong rooted cuttings. P. Major (red), A. Nana (yellow), 50c per 100; $4.00 per 1000.

J. W. Davis & Co.
2900 Brady St., Davenport, Iowa.

Alternantheras.

Strong rooted cuttings, red and yellow, 50c per 100, or $4.00 per 1000.

DAVIS BROS., Morrison, Ill.

Yellow Alternantheras

equal to 2-in. 70c per 100; $5.00 per 1000. **Coleus.** 2½-in. strong $2.00 per 100; $18.00 per 1000; 5000 for $75.00. **Salvias** $1.00 per 100; $8.00 per 1000.

Express prepaid on all rooted cuttings.

C. HUMFELD, Clay Center, Kas.

Geraniums!

S. A. Nutt, large and well-grown plants, in bud and bloom, $7.00 per 100; in large or small quantities, out of 3½ in. pots. Cash.

STEPHEN CHASE, Nashua, N. H.

Plants from 2½-in. Pots at 50c per doz., $3.00 per 100.

Acalypha, Asparagus Sprengeri, Abutilon Savitzi, dwarf Alyssum, Ageratums, Princess Pauline, Inimitable, Blue Perfection, Bouvardia Humboldtii, Feverfew Little Gem, Heliotropes, dark blue and white, Fuchsias, 4 varieties, Gazania Splendens, Cupheas, double Petunias, Lobelia Emperor William, variegated Ice-plant, variegated Glechoma, Salvias, Zurich, Bonfire, Hydrangea Otaksa and Thos. Hogg; Rosemary, variegated Periwinkle; Geranium, Mrs. Parker; Moschosma riparium, Impatens Sultani and Holstii, Swainsona alba, white Moonflower, Forget-me-not, Saxifraga sarmentosa, Parlor Ivy, Umbrella Plants, Ferns.

Carnations, Robt. Craig, Elbon, Gov. Wolcott, Boston Market, Flora Hill, Enchantress. These are strong bushy plants and have been kept in cold frames four weeks. 2½-in. pots $3.00 per 100. Rooted cuttings from soil, $2.00 per 100; Robt. Craig, Elbon, Gov. Wolcott, Flora Hill, Boston Market.

Dracaena indivisa, Asparagus Plumosus and **Sprengeri,** seedlings from flats at $1.00 per 100.

Clematis, large flowering varieties, 2-year-old plants, red, purple and white, $3.00 per dozen. Clematis paniculata, 4-in. pots, $1.50 per dozen, $10.00 per 100; 3-in. pots, $5.00 per 100.

Honeysuckle, Halleana and Red Trumpet, strong plants, $1.50 per dozen, $10.00 per 100.

Ampelopsis Veitchii, 4-in. pots, 2-year-old plants, $1.50 per dozen, $10.00 per 100; 3-in. pots, $5.00 per 100.

Ivy, hardy English, 4-in. pots, $1.50 per dozen $10.00 per 100; 3-in. pots, $5.00 per 100.

Cash with order please.

C. EISELE, 11th and Westmoreland Sts **PHILADELPHIA, PA.**

GERANIUMS

Fine stocky plants in bud and bloon, Nutt, J. Viaud, Ricard, M. Cheveliere, M. Jaulin, Dryden, Perkins, Hill, 2¼-in. $3.00; 3-in. $5.00; 4-in. $8.00; 5-in. $25.00 per 100.

Pansies.

Extra fine strain in bud and bloom, $2.00 per 100; $18.00 per 1000.

Coleus.

Assorted rooted cuttings 75c per 100; 2¼-inch $2.50 per 100.

Cash or C. O. D.

W. J. & M. S. VESEY,
Fort Wayne, Ind.

GERANIUMS.

One of the best things in the market, the **American Beauty** Geranium, a clear bright cerise just about the color of a good Pink Lawson carnation. The habit is very pleasing, rather dwarf and very stocky. It is a common thing to see 4 to 6 large bunches of flowers on a plant in a 3 to 5-in. pot. Clusters average 4 to 5 inches in diameter. It is a very free bloomer; we think it is freer than any we grow and we grow a great many Geraniums. We grow 8 to 10 varieties. Stock of American Beauty is extra fine but limited as to quantity.

We offer you

2-in Pot Plants at	$ 6.00	per 100
3-in. " " "	10.00	"
4-in. " " "	18.00	"
5-in. " " "	25.00	"

the 4- and 5-in. pots are very stocky and bushy; have 3 to 5 large flowers on now.

OFFERLE & SCHAAL, Erie, Pa.

GERANIUMS

Good strong stock From 2-in. pots.

	Per 100	1000
Centaure, Double Genl Grant, El Chid, Miss Kendall, S. A. Nutt, Granville, Jacquerie, Mrs E. G Hill, etc	$ 2 00	$ 18 50
Alph. Ricard, Berthe de Presilly Jean de la Brete, Alice of Vincennes, etc	3 00	25 00
Double Dryden, E. H. Trego, Peter Henderson, Telegraph etc	$ 4 00	$ 35 00
Eugene Sue, Mrs. Lawrence, Paul Crampel, Mistral, Jean Oberlee, Col Thomas, etc	6 00	50 00
Rose, Nutmeg, Oak leaved and Balm	2 00	

SPECIAL OFFER:

We have about 10,000 extra good strong plants, little lots of a kind, the odds and ends of the seasons accumulation, single and double, which we offer as long as they last at $15.00 per 1000; $8.00 for 500, not less than 500 at this price. These would make good Decoration Day stock.

S. A. Nutt, Double Genl. Grant, La Pilote, Granville, and other good bedding kinds, from 3-in pots, $3.50 per 100.

PELARGONIUMS In good variety 3-inch pots, $1.50 per dozen, $6.00 per 100.

DAHLIA ROOTS Whole field clumps at $5.00 per 100 and up. Send for list.

HARDY CHRYSANTHEMUMS A splendid collection of 75 of the very best varieties, small flowered or Button kinds, $2.00 per 100; large flowered or Aster flowered, $3.00 per 100.

DAHLIA PLANTS From 2-in. pots ready for shipment, at $2.00 per 100 and up. We will send 1000 in 20 good varieties, our selection for $18.50

	Per 100
Ageratum, Stella Gurney	$2 00
Begonia, Vernon White and Rose	2.00
" Gracilis White and Rose	2.00
" Rex, 2-in. pots	2.00
Cuphea, Cigar plant	2.00
Coleus, Verschaffeltii, Golden Bedder, and other kinds	2.00
Fuchsias, Black Prince and Minnesota	2.00
Lieutenant Muritz, White and Rose Phenomenal	2.50
Hardy English Ivy, extra strong, $15.00 per 1000	2.00
Nymphea Odorata Gigantea, Water lily	3.50
Hollyhocks, strong 3-in. pot plants, dbl. white, pink, red and yellow	$3.00
Hardy Phlox, Andreas Hoffer	2.00
Ivy Leaved Geraniums, 6 good kinds $25.00 per 1000	$3.00
Lobelia, Crystal Palace Gem	2.00
Lobelia, Kathleen Mallard, 2-in	3.00
Lavender, 2½-in. pots, strong	3.00
Swainsona alba	2.00
Tradescantia, dark variegated	2.00
Verbena red, white purple and pink	2.00
Rubber Plants, Ficus elastica, per doz	2 00

Visitors always welcome. Cash with order.

R. Vincent, Jr. & Sons Co., WHITE MARSH, Balto Co., MD.

CHRYSANTHEMUMS.

Monrovia, October Sunshine, F. A. Cobbold, Mrs. T. W. Pockett, Col. Appleton, Nellie Pockett, Cheltoni, Lady Hopetoun, White Coombes, Ben Wells and others now ready at $3.00 per 100, $25.00 per 1000; 2¼-in. pots.

If your stock is run down try some of mine and see the difference next fall. Lots of the new singles now ready.

You got my 'mum list, of course?

CHARLES H. TOTTY, Madison, N. J.

Chrysanthemums . . .

	Per 100
WHITE—	
W. H. Chadwick	$2 00
White Bonnaffon	1 50
October Frost	1 50
Estelle	1 50
Clementine Touset	1 50
Ivory	1.50
Geo. S. Kalb	1.50
Jeanne Nonin	1 50
YELLOW—	
Golden Chadwick	$2 00
Major Bonnaffon	1 50
October Sunshine	1 50
Golden Wedding	1.50
Monrovia	1 50
PINK—	
Dr. Enguehard	1 50
Glory of Pacific	1 50

Satisfaction Guaranteed.

A. F. LONGREN, Des Plaines, Ill.

Chrysanthemums

FOR EVERY PURPOSE.

A partial list with prices appeared in previous issue.

ELMER D. SMITH & CO.,

Successors to Nathan Smith & Son,

ADRIAN, MICH.

BLOOMINGTON, ILL.—The Minier Plant Co. was recently organized for the purpose of growing plants, cut flowers, etc.

OWENSBORO, KY.—The Nanz Floral Co. has announced that it will give away to the owners of corner lots, flowers to be planted in the triangle at corners between the sidewalks and the curb. These flowers will be given to any owner who will call for them and agree to care for them after they are planted. Before a lot owner can secure the flowers it will be necessary to secure an order from Mayor O'Bryan.

SANTA BARBARA, CALIF.—Uncle Sam's fighting tars of the battle-ship fleet were spectators of a battle on Ocean boulevard here April 27. It was a battle in which flowers served as the only ammunition, and it ceased only when the ammunition gave out and the "powder monkeys"—scores of pretty girls, who passed out the bouquets from the grandstands—were exhausted. The floral conflict followed a flower parade in which were vehicles of every description, but of which a description was impossible because of the manner in which they were completely hidden by blossoms.

Everybody Talks About It!

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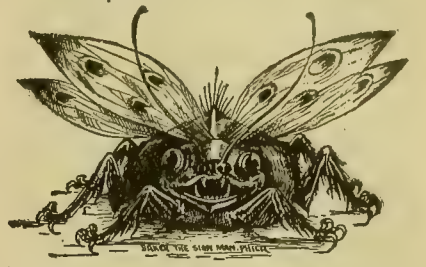
A Prosperous Florist Is Never Idle.



An immense stock of bedding plants is now ready. Every hole and corner full for immediate shipment.

Geraniums, S. A. Nutt, John Doyle and some pink, 4 in. pots, $7.00 per 100.

Ageratum, dwarf, best blue, 4 in., $7.00 per 100; 3 in., $4.00 per 100.

Begonia Vernon, newest strain, flowers as dark as blood; seeds gathered by myself from specimen plants in Zurich, Switzerland, during my trip to Europe; 4-in. pots, $10.00 per 100; 3-in., $7.00 per 100.

Begonia Erfordi, true; this is one of the best pink varieties known; it is a sight to see a bed of them in bloom; nothing but a mass of flowers. This plant decorates the flower beds of aristocratic people in England, Germany, Switzerland and Paris. Price: 4-in., $10.00 per 100; 3-in., $7.00 per 100.

Scarlet Sage or **Salvia,** Clara Bedman or Bonfire. Ours is the true genuine variety so much admired in all the capitals of Europe and America. Deep red, medium tall varieties; free bloomers. Seeds of these famous varieties were gathered by myself in Zurich Switzerland, the home of the Salvias. Price: 4-in., $10.00 per 100; 3-in., $7.00 per 100. Have 5,000 of these to offer.

	Per 100
Nasturtiums, dwarf, all shades, 3-in. pots	$5.00
Heliotropes, 4-in. pots	7.00
Fuchsias, best varieties, 4-in. pots	10.00
Cosmos Grandiflora, white, red or pink, 3 plants in a 3 in. pot	5.00
Cannas, French, best varieties, about 12 different, distinct varieties by name, 4-in. pots	$7.00 to 8.00
Cobea Scandens, nicely staked up, 4 in., 10c	
Petunias, California Giant, 3-in. pots	5 00
Inimitable or dwarf, 2½-in	3.00
Verbenas, all shades 2½-in	3.00
Phlox Drummondi, 2½ to 3-in., Grandiflora varieties	3.00
English or **Hardy Ivy,** 3 feet high, 4-in., 12c	
German or **Parlor Ivy,** 2½-in	3.00
Centaurea Gymnocarpa or **Dusty Miller,** 2½-in	3.00
Cuphea or **Cigar Plant,** 2½-in	3.00
Lobelia, dwarf or trailing, 2½in. (Crystal Palace)	3.00
Sweet Alyssum, Carpet of Snow or Little Gem, 2½-in	3.00
Vinca Variegata or **Perriwinkle,** 4 in	10.00
2½-in	4.00
Coleus, Queen Victoria, Golden Bedder, Verschaffelti, 2½-in	3.00
Fancy varieties	4 00
Tradescantia, 2½-in	3.00

Rose Bushes, imported from Europe last fall, 3 feet high, Paul Neyron, Mrs. John Laing, Magna Charta, Jacqueminot, 6 in. pots, 35c; Baby Rambler, 5½-in., 35c.

Clematis, the true Jackmani, 6-in. pots, 3 feet, 35c to 40c.

Kentia Belmoreana, 5¼-in. pots, 20 to 25 in. high, 40c to 50c; 4-in. pots, 20-in. high, 35c; 6-in., just received from Europe, **Belmoreana** and **Forsteriana,** $1.00 each.

Araucaria Excelsa Glauca, spring importation, 90c; have only specimen plants left, 7-in. pots, 6 years old, 5 tiers, 25, 30, 35 to 40 in. high, the same in width, $1.50, $1.75, $2.00, $2.50, $3.00 to $4.00 each. **Robusta Compacta,** the same.

Have just received from steamer, May 1, from Antwerp, a big consignment of about 5,000 **Araucaria Excelsa,** of all sizes. Plants with 3 tiers, 8 to 10 in. high, 40c; 10, 12 to 14 in., 50c; larger sizes, 60c to 75c.

All goods must travel at purchaser's risk only. Cash with order, please.

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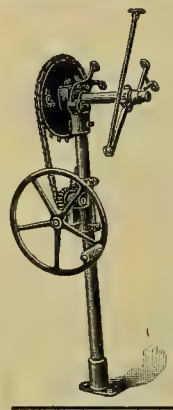

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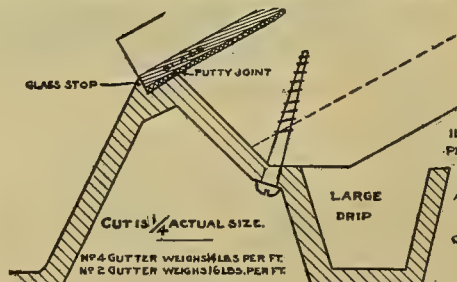

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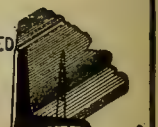

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Achyranthes, red and yellow, 2¼-in., 2¼c. Cuttings rooted, 60c per 100; fine. Hammerschmidt & Clark, Medina, O.

AGERATUMS.

Ageratum, Little Blue Star, true dwarf, R. C., 75c per 100; 2¼-in., $2 per 100; $18 per 1,000. Mosbæk Greenhouses, Onarga, Ill.

Ageratums, blue, bud and bloom, $1.50 per 100; $14 per 1,000. Wm. S. Herzog, Morris Plains, N. J.

Ageratum, white, 2¼-in., 2¼c; fine. Hammerschmidt & Clark, Medina, O.

Ageratum, dwarf blue, 2½-in., $3 per 100. West End Greenhouses, Lincoln, Ill.

Ageratums, 60c per 100. Shippensburg (Pa.) Floral Co.

ALTERNANTHERAS.

Alternantheras, four of the best, R. C., 50c per 100; 2¼-in., $2 per 100; $18 per 1,000. Mosbæk Greenhouse Co., Onarga,, Ill.

Alternantheras, red and yellow, R. C., 50c per 100; $4 per 1,000. J. W. Davis & Co., Davenport, Iowa.

Alternantheras, yellow, equal to 2-in., 70c per 100; $5 per 1,000. C. Humfeld, Clay Center, Kans.

Alternantheras, R. C., red and yellow, 50c per 100; $4 per 1,000. Davis Bros., Morrison, Ill.

Alternantheras, red and yellow, 2-in. $2 per 100. Geo. M. Emmans, Newton, N. J.

Alternantheras, 3 kinds, 50c. Byer Bros., Chambersburg, Pa.

Alternantheras, 50c per 100. Shippensburg (Pa.) Floral Co.

Alternantheras, red and yellow, $2 per 100. Jos. H. Cunningham, Delaware, O.

ALYSSUMS.

Alyssum, giant and dwarf, 2¼-in., $2.25 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Alyssum, 2-in., $2 per 100. West End Greenhouses, Lincoln, Ill.

AMPELOPSIS.

Ampelopsis, quinquefolia, 3-yr., $15 per 100. Ampelopsis Veitchii, 3 to 4 ft., $15 per 100; 2 to 3 ft., $12; 18 to 24 ins., $10. Vaughan's Seed Store, Chicago and New York.

Ampelopsis Veitchii, 4-in., 2-yr., $1.50 per doz.; $10 per 100; 3-in., $5 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

ARAUCARIAS.

Araucarias, 4-in., 50c each; 5-in., 75c; 6-in., $1. G. Wittbold, 1657 Buckingham Pl., Chicago.

Araucarias. L. Van Houtte, Ghent, Belgium.

ASPARAGUS.

Asparagus plumosus, 2½-in., $3.50 per 100; $30 per 1,000; 3-in., 6c; 3½-in., 10c; 4-in., 12c; 5-in., 20c; 6-in., 30c. Comorensis, 2-in., 2c; 2½-in., 3c; 3½-in., 6c. Sprengeri, 2½-in., 3c; 3½-in., 8c; 4-in., 10c. J. W. Dunford, Clayton, Mo.

Asparagus plumosus, 4½-in., $1.50 per doz.; $12 per 100; 5-in., 3 in. pot, $3 per doz.; $20 per 100; 6-in., 3 in. pot, $6 per doz. Sprengeri, 4½-in., $1.50 per doz.: $12 per 100. Frank Oechslin, 2572 W. Adams St., Chicago.

Asparagus plumosus and Sprengeri, fine 2-in., $3; 3-in., $5. Sprengeri, 3½-in., $6; 4-in., $7. Good big values. W. H. Gullett & Sons, Lincoln, Ill.

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Asparagus plumosus, ready for 3-in., $30 per 1,000. Sprengeri, $15 per 1,000. A. M. Herr, Lancaster, Pa.

Asparagus plumosus, 2-in., $2.75 per 100; $25 per 1,000; seedlings, $1.25 per 100; $9 per 1,000. Wm. F. Kasting Co., Buffalo, N. Y., or Erie Floral Co., Erie, Pa.

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Azaleas. Jacs Smits, Ltd., Naarden, Holland.

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Bay trees. W. & T. Smith Co., Geneva, N. Y.

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CHRYSANTHEMUM PRICE LIST.

	R. C. per 100	R. C. per 1000	2½-in. per 100	2½-in. per 1000
WHITE				
Earliest White. Oct. Frost.....	$ 3.00	$25.00	$ 4.00	$ 35.00
Virginia Poehlmann	10.00	80.00	12.00	100.00
Kalb	2.00	18.00	3.00	25.00
Robinson	2.00	18.00	3.00	25.00
C. Touset	2.00	18.00	3.00	25.00
Alice Byron	2.00	18.00	3.00	25.00
White Bonnaffon..	2.00	18.00	3.00	25.00
Timothy Eaton ...	2.00	18.00	3.00	25.00
W. H. Chadwick..	2.00	18.00	3.00	25.00
Jeannie Nonin ...	2.00	18.00	3.00	25.00
Merry Christmas.	2.00	18.00	3.00	25.00
Garza, single pompon	3.00	....	4.00	....
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Monrovia, earliest.	3.00	25.00	4.00	35.00
Halliday	2.00	18.00	3.00	25.00
Col. Appleton ...	2.00	18.00	3.00	25.00
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Golden Chadwick..	2.00	18.00	3.00	25.00
Golden Wedding ..	2.00	18.00	3.00	25.00
PINK				
Rosiere	2.00	18.00	3.00	25.00
McNiece	2.00	18.00	3.00	25.00
Dr. Enguehard ..	2.00	18.00	3.00	25.00
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Intensity	2.00	18.00	3.00	25.00
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Maud Dean	1.[illegible]	W. H. Chadwick.	2.00
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Appleton	1.50	C. Touset	1.50
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Coleus, 12 best standard sorts, strong, 2½-in., $2.50 per 100. Cannas, Egandale, Chas. Henderson, Burbank, Pennsylvania, 3-in. pots, $5 per 100. C. H. Green, Fremont, Neb.

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FERNS.

Ferns, Elegantissima, 2¼-in., $6 per 100; 3½-in., $15 per 100; 6-in., 50c each; 8-in., $1 and $1.50 each; 10-in., $2 each. Whitmani, 2¼-in., $6 per 100; 3½-in., $15 per 100; 6-in., 50c and 75c each; 8-in., $1.50 each; 10-in., $2 each. Scotti, 6-in., 50c each. Boston, 2¼-in., $4 per 100; 6-in., 50c each; 8-in., $1 each. Small ferns for pans, $4 per 100; $30 per 1,000. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Scotti, Elegantissima, Whitmani, 2¼-in. W. W. Coles, Kokomo, Ind.

If you do not find what you need in our Ready Reference Department, write us about it.

Ferns for dishes, 6 vars., 2-in., $3 per 100; $25 per 1,000; 3-in., 75c per doz.; $6 per 100. Boston, 7-in., $9 per doz.; 8-in., $12 per doz. Whitmani, 9-in., $2 each. Anna Foster, for baskets, $2 each. Pteris Wimsetti and Ouvrardi, 4½-in., $2 per doz.; $15 per 100. Cyrtomium falcatum, 4½-in., $2 per doz.; $15 per 100; 5-in., $3 per doz.; $25 per 100; 6-in., $5 per doz. Frank Oechslin, 2572 W. Adams St., Chicago.

Ferns, Boston, 3-in., $1 per doz; $7 per 100; 4-in., $1.50 per doz.; $10 per 100; 5-in., $4 per doz.; $25 per 100. Whitmani, 3-in., $1 per doz.; $7 per 100; 4-in., $1.50 per doz.; $10 per 100. Muskogee Carnation Co., Muskogee, Okla.

Ferns, Boston, 2½-in., 4c; 3-in., 8c; 4-in., 15c; 5-in., 25c; 6-in., 40c; 7-in., 65c; 8-in., $1 to $1.50; 10-in., $1.50 to $2. J. W. Dunford, Clayton, Mo.

Ferns, Boston, 2-in., 3c; 2½-in., 4c; 3-in., 6c; 4-in., 10c. Chatogue Greenhouses, Mobile, Ala.

Ferns, Whitmani, 2¼-in., $5 per 100; 3½-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Son, Whitman, Mass.

Ferns, Scotti, 5-in., 18c. Wagner Park Conservatories, Sidney, O.

Ferns, Boston, 5-in., 30c each. Geo. M. Emmans, Newton, N. J.

FEVERFEW.

Feverfew, 2¼-in., $2.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Feverfew, young plants, 75c per 100. Byer Bros., Chambersburg, Pa.

FUCHSIAS.

Fuchsias, 5 kinds, 2-in., $1.50 per 100. Shippensburg (Pa.) Floral Co.

GAILLARDIAS.

Gaillardias, 3-in., $4 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

GERANIUMS.

Geraniums, 2-in. pots, Centaure, Dbl. Gen. Grant, El Cid, Miss Kendell, Nutt, Granville, Jacquerie, Mrs. E. G. Hill, etc., $2 per 100; $18.50 per 1,000. A. Ricard, B. de Presilly, Jean de la Brete, Alice of Vincennes, etc., $3 per 100; $25 per 1,000. Dbl. Dryden, E. H. Trego, Henderson, Telegraph, $4 per 100; $35 per 1,000. Eugene Sue, Mrs. Lawrence, Paul Campbell, Minstrel, Jean Oberlee, Col. Thomas, $6 per 100; $50 per 1,000. Rose, Nutmeg, Oak Leaved and Balm, $2 per 100. S. A. Nutt, Dbl. Grant, La Pilote, Granville, etc., 3-in., $3.50 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

100,000 GERANIUMS ready for delivery at special April prices. S. A. Nutt (in quantity), Beaute Poitevine, Jean Viaud, Francis Perkins, Peter Henderson, Mme. Buchner. Large top cuttings, well rooted, ready for 2½-in. pots, $1.50 per 100; $12.50 per 1,000. The above named varieties, short stout plants from the bench, will make fine 5-in. stock for Decoration Day, packed light, $5 per 100. Cash.
THE W. T. BUCKLEY CO.,
Springfield, Ill.

Geraniums, Jean Viaud, Heteranthe, A. H. Trego, M. de Castellane, Granville (pink single), in bud, 3-in., strong and bushy, $5 per 100; $40 per 1,000. Memphis Floral Co., Memphis, Tenn.

Geraniums, in bud and bloom, Nutt, Viaud, Ricard, M. Cheveliere, M. Jaulin, Dryden, Perkins, Hill, 2¼-in., $3; 3-in., $5; 4-in., $8; 5-in., $25 per 100. W. J. & M. S. Vesey, Fort Wayne, Ind.

Geraniums, Nutt, Doyle, Perkins, Ricard, Grant, La Favorite, R. C., $1.25; 2-in., $2; 3-in., $4 per 100. Trego, Viaud, Castellane, Poitevine, Jaulin, R. C., $1.50; 2-in., $2.50; 3-in., $5 per 100. Geo. Emmans, Newton, N. J.

Geraniums, most in bud and bloom, 8 vars., 3-in., $4 per 100; $35 per 1,000; 3½ and 4-in., $5 per 100; $45 per 1,000. Wm. S. Herzog, Morris Plains, N. J.

Geraniums, ivy, in variety, 2¼-in., $3; 3-in., $6 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Geraniums, splendid 4-in. plants, Ricard, Viaud, Heteranthe, Perkins, etc., $7. W. H. Gullett & Sons, Lincoln, Ill.

Geraniums, leading varieties, extra strong 2½-in., $2.50 per 100; 4-in., strong, $7 per 100. E. R. Tauch, Marquette, Mich.

Geraniums, 3½-in., 5c; Nutt, Winch, La Favorite, Bliss, Wonder, George. Hammerschmidt & Clark, Medina, O.

Geraniums, standard varieties, 2¼-in., $2.50 per 100; also Mme. Salleroi, $2.50. Mosbæk Greenhouse Co., Onarga, Ill.

Geraniums, Nutt and 4 other vars., 3½-in., $4 per 100; 2½-in., $3. Jos. H. Cunningham, Delaware, O.

Geraniums, ivy, 2-in., 2½c. Byer Bros., Chambersburg, Pa.

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Geraniums, 2½, 3 and 4-in., all colors. Geo. A. Kuhl, Pekin, Ill.

Geraniums, S. A. Nutt, bud and bloom, $7 per 100; 3½-in. Stephen Chase, Nashua, N. H.

Geraniums. James Vick's Sons, Rochester, N.Y.

GLADIOLI.

Gladiolus bulbs, over 15,000 bushels harvested. Groff's hybrid and other strains and named varieties of exceptional merit. Write for 1907 illustrated catalogue. Arthur Cowee, Gladiolus Specialist, Meadowvale Farm, Berlin, N. Y.

Gladiolus, Hyacinthus candicans, spotted callas, oxalis, cinnamon vine, German Iris, lilies. E. S. Miller, Wading River, N. Y.

Gladiolus America, $6.50 per 100; $60 per 1,000. Write for prices on other stock. Cushman Gladiolus Co., Sylvania, O.

Gladiolus bulbs, $1 per 100. Geo. M. Emmans, Newton, N. J.

Gladiolus Lemoinei and Nanceianus. V. Lemoine & Son, Nancy, France.

GLOXINIAS.

Gloxinias. L. Van Houtte, Pere, Ghent, Belgium.

GREENS.

Greens, dagger and fancy ferns, $1.75 per 1,000. Bronze and green galax, $1.25 per 1,000. Leucothoe sprays, $1 per 100; $7.50 per 1,000. Sphagnum moss, per bale, $1.25. Boxwood bunches, 35c; 50 lbs., $7.50. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit.

Greens, bronze galax, $8.50 per case of 10,000; green, $7.50. Dagger and fancy ferns, $1.50 per 1,000. Laurel festooning, boxwood, southern wild smilax, sphagnum moss and green moss, leucothoe sprays, etc. H. M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, cut palmetto and cycas leaves, galax leucothoe, ferns, mosses, etc. Kervan Co., 113 W. 28th St., New York.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 53 W. 28th St., New York.

Greens, smilax, ferns, palm leaves, etc., John P. Scherer, Union Hill, N. J.

Greens, southern wild smilax. E. A. Beaven, Evergreen, Ala.

HARDY PERENNIALS.

Perennials, last fall sowing from cold frames: Hollyhocks, dbl., white, pink and red; Aquillegia canadensis and N. grandiflora; Gaillardia grandiflora superba; Myosotis semperflorens; Delphinium Chinensis, also alba; Digitalis Glox. Shasta daisy, pansies, daisy or bellis, $2 per 100. Perennials in pots; Coreopsis lanceolata, 5-in., 10c; campanula in variety, 5-in., 12c; 6-in., 15c; 6-in., bud and bloom, 35c. Sweet william, 5-in., 12c. Lychinis Chal., 3½-in., 5c. Ampelopsis Veitchii, 2-in., $2.50 per 100. Dianthus, sweet william, 5-in., $10 per 100. Coreopsis lanceolata, 5-in., $8 per 100. Campanula, asst., 6-in., $12 per 100. Clumps from field, 12c per clump except where specified: Iris Germanica, all colors under name, 10c; Kæmpferi, blue, tall, 10c; bachelor's buttons, yellow, 2 feet, 10c; campanula, asst.; Chrysanthemum uliginosum, 3 ft.; Chrysanthemum Shasta daisy; Coreopsis lanceolata; day lily, 5 feet; gaillardia; Golden Glow, 8c; Lychnis Chalcedonica, delphinium or larkspur; phlox, all colors, named; pentstemons, asst.; Polemonium cœruleum; Physostegia speciosa; grand mixed; Yucca filamentosa, 25c. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Perennials, Tritoma Pfitzerii, $10 per 100; German Iris, 15 named kinds, $6; Japan iris, imported clumps, 13 sorts, $15. Astilbe Davidii, Mt. Blanc and Lemoine's New Rose, $2 per doz. Vaughan's Seed Store, Chicago and New York.

Hardy plants. Get our prices for field-grown stock. We have one of the finest assortments of undivided clumps, also in seedlings and transplanted. Ask for descriptive list. Mosbæk Greenhouse Co., Onarga, Ill.

Hardy phlox, fall cuttings, $2; 2¼-in., $2.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Moonvines, 2½-in., $5 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

HELIOTROPES.

Heliotrope, 3-in., $3 per 100. Wm. S. Herzog, Morris Plains, N. J.

Heliotrope, four of the best, 2¼-in., $2.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Heliotrope. Geo. M. Emmans, Newton, N. J.

HOLLYHOCKS.

Hollyhocks, double in six separate colors. Also the Allegheny or Everblooming strain in mixed colors, field-grown plants, $3 per 100 for either strain. Dahlias and hardy plants. Catalogue. W. W. Wilmore, Box 382 Denver, Colo.

Hollyhocks, 3-in., double, white, pink, red, yellow, $3 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Hollyhocks, single, field-grown, $2.50 per 100. Byer Bros., Chambersburg, Pa.

Hollyhocks, double, separate colors, $2.25 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

HONEYSUCKLES.

Honeysuckles, Belgica, 3-yr., $25 per 100. Heckrotti, 3-yr., $25 per 100. Scarlet Trumpet, 2-yr., $12 per 100. Vaughan's Seed Store, Chicago and New York.

Honeysuckles, Halliana and Red Trumpet, $1.50 per doz.; $10 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

HYDRANGEAS.

Hydrangea Otaksa Monstrosa, 4-in. pots, $6 per 100; 5-in., $2 per doz.; $15 per 100; 10-in., fine large plants, $1 each. All above are pot grown. A few hundred in 6-in. pots, potted in September, 4 to 6 flowering shoots, 20c each. Cash. E. Fryer, Johnstown, Pa.

Hydrangeas, Otaksa and Thos. Hogg, 6-in., 3 to 4 flowering stems, $5 per doz.; $40 per 100; 7-in., 5 to 6 flowering stems, $8 per doz.; $75 per 100. Vaughan's Seed Store, Chicago and New York.

Hydrangeas, American everblooming. Fine plants from pots for lining out, $8 per 100; $75 per 1,000. The E. Y. Teas Co., Centerville, Ind.

Hydrangeas, 3-in., $10 per 100; 6 and 7-in., 50c, 75c and $1 each. Geo. A. Kuhl, Pekin, Ill.

Hydrangeas, 25c to $4 each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Hydrangea Snowball, 3-yr., $5 per doz. Vaughan's Seed Store, Chicago and New York.

Hydrangeas, W. & T. Smith Co., Geneva, N. Y.

IVIES.

Ivy, English, 4-in., $1.50 per doz.; $10 per 100; 3-in., $5 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

English ivy, hardy, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Ivy, German, 2½-in., $2.50 per 100. West End Greenhouses, Lincoln, Ill.

Ivy, German, 2¼-in., $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Ivy, German, 3-in., $2.50 per 100. Wm. S. Herzog, Morris Plains, N. J.

Ivy, German, 2¼-in., 2c. Hammerschmidt & Clark, Medina, O.

LILACS.

Lilac Chas. X, and Marie Legray, pot-grown, 50c each. Vaughan's Seed Store, Chicago and New York.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

From Storage.

Lily of the valley, for forcing, $11 per 1,000. W. C. Beckert, Pittsburg, N. S., Pa.

Lily of the valley, pips, cold storage. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley, cold storage pips, $14 per 1,000; $1.75 per 100. H. N. Bruns, 1407-11 W. Madison St., Chicago.

LOBELIAS.

Lobelias, Crystal Palace Gem, $2 per 100; Kathleen Mallard, 2-in., $3 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Lobelias, trailing and compacta, 2¼-in., $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Lobelias, trailing and compacta, bud and bloom, $1.50 per 100; $14 per 1,000. Wm. S. Herzog, Morris Plains, N. J.

MOSS.

Sphagnum moss, 5 barrel bale, $1.25; 2 bales, $2.25; 5 bales, $5; 10 bales, $9.50. H. R. Akers, Chatsworth, N. J.

Sphagnum moss in burlap or wired bales. Write for prices. Vaughan's Seed Store, Chicago and New York.

MUSHROOM SPAWN.

Mushroom. Spawn. Johnson's Improved. Johnson's Ltd., 44 Bedford Row, London, W. C., England.

Mushroom spawn. English and pure culture. Weeber & Don. 114 Chambers St., New York.

Mushroom spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock, trees and shrubs, price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

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Nursery stock, Akebia quinata, 4 to 6 ft., $10 per 100. English ivy, field-grown, $6 per 100. Wistaria, Chinese white, 2 to 3 ft., heavy clumps, $25 per 100; Chinese purple, 12 to 18 ins., $12 per 100. Arbor-vitæ, American, 4 to 5 ft. $20; 3 to 4 ft., $15 per 100. Irish Juniper, 18 to 24 ins., $9 per 100. Norway spruce, 3 to 4 ft., $12 per 100; $100 per 1,000. Jackson & Perkins, Newark, N. Y.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, large trees, oaks, maples, pines and hemlock. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, arbor-vitæ (Thuya occidentalis) 3 to 4 ft., 4 to 5 ft trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock fruit and shade trees, shrubs, evergreens. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. Storrs & Harrison, Painesville, O.

ORANGES.

Oranges, Kinkan. P. J. Berckmans Co., Augusta, Ga.

ORCHIDS.

Orchids in superb condition. Cattleya Mossiæ, C. Schroederæ, Lælia anceps, Epidendrum vitellinum, etc. Lager & Hurrell, Summit, N. J.

Orchids, C. Trianæ, C. Percivaliana, C. speciosissima, C. Gaskelliana, Oncidium Kramerianum. Ordonez Bros., Madison, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England. New York office, room 1, 235 Broadway.

Orchids, choice assorted flowering, established, $12 per doz. Wm. Mathews, West View Greenhouses, Utica, N. Y.

Orchids, Lælia purpurata, Cattleya intermedia, C. Mossiæ. Julius Roehrs, Rutherford, N. J.

Orchids, ready in April and May. Carillo & Baldwin, Secaucus, N. J.

PALMS.

Palms, Kentia Bel., 5-in., $7.20 per doz.; 5-in., strong, $9; 6-in., $12; 6-in., strong, $15; Forsteriana, 5-in., $7.20 per doz.; 5-in., strong, $9; 6-in., $12; 6-in., strong, $15. Cycas revoluta, 4-in., 25c each; 5-in., 35c; 6-in., 50c; 7-in., 75c to $1; 8-in., $1.25 to $1.50. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Palms. Cocos Weddelliana, 3-in., $2.50 per doz.; $20 per 100; 5-in., 4-in pot, 75c each; $9 per doz. Frank Oechslin, 2572 W. Adams St., Chicago.

Palms, Kentia Fors., made-up plants, 8-in., 3 to 4 ft., $2 each; 10-in., 4 to 5 ft., $4; 10-in., 5 to 6 ft., $6; 12-in., 5 to 12 ft., $8. J. B. Heiss, 112 S. Main St., Dayton, O.

Palms, Areca lutescens, Cocos Weddelliana, Kentia Bel. and Fors., home-grown. Jos. Heacock Co., Wyncote, Pa.

Palms, Latania, 8-in., $1.75; 10-in., $2.50. Phoenix, 7-in., 38 ins. high, $1.50; 8-in., $2.50. Areca. 5-in., 50c; 6-in., $1. Wagner Park Conservatories, Sidney, O.

Latania Borbonica, from 2-in., 3 leaves, $3 per 100. The Perennial Gardens Co., Toledo, O.

Palms. P. J. Berckmans Co., Augusta, Ga.

Palms. L. Van Houtte, Pere, Ghent, Belgium.

PANDANUS.

Pandanus Veitchii, 5-in., $1 each; 5½-in., $1.25; 6-in., $1.50. Frank Oechslin, 2572 W. Adams St., Chicago.

PANSIES.

Pansies, a mixture of the finest strains of exhibition stock obtainable in Germany and America. Seed bought direct from the growers. Good, strong, frame grown plants, 75c per 100; $6 per 1,000. N. E. Beck, Massillon, Ohio.

Pansies, from cold frame, strong, in bud, 2nd size, 75c per 100; $5 per 1,000. F. A. Baller, Bloomington, Ill.

Pansies, in bud, $3 per 1,000. Byer Bros., Chambersburg, Pa.

Pansies, bud and bloom, $2 per 100; $18 per 1,000. W. J. & M. S. Vesey, Ft. Wayne, Ind.

PELARGONIUMS.

Pelargoniums, 3-in., $1.50 per doz.; $6 per 100. R. Vincent, Jr. & Sons, White Marsh, Md.

PEONIES.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Wholesale peony list for fall 1908 is now ready. J. F. Rosenfield, West Point, Neb.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies, leading vars. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunia Berkshire, R. C., $2.50 per 100; $20 per 1,000. S. S. Skidelsky, 1731 No. 18th St., Philadelphia.

Petunias, seedlings from dbl. seed, 2½-in., $2.50 per 100. Jos. H. Cunningham, Delaware, O.

Petunias, Dreer's single fringed, in bloom, 3-in., $2.50 per 100. Wm. S. Herzog, Morris Plains, N. J.

Petunias, double fringed in bud and bloom, 2½-in., ready for 4-in., $2.50 per 100. The Krueger Bros. Co., Toledo, O.

Petunias, dbl., 10 kinds. R. C., $1. Byer Bros., Chambersburg, Pa.

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POINSETTIAS.

Poinsettias, good, strong stock. $4 per 100. The Krueger Bros. Co., Toledo, O.

PRIMULAS.

Primula obconica grandi. rosea, 4-in., $1.50 per doz.; $12 per 100. Frank Oechslin, 2572 W. Adams St., Chicago.

Primroses, 8 vars., $2 per 100. Jos. H. Cunningham, Delaware, O.

RHODODENDRONS.

Rhododendrons. W. & T. Smith, Geneva, N. Y.

Rhododendrons. Jacs Smits, Naarden, Holland.

ROSES.

Roses, dormant, 2-year-old, No. 1 stock: Am. Beauty, $10 per 100. La France, Frau K. Druschki, Soliel d'Or, Paul Neyron, $15 per 100. Hermosa, $12 per 100. Gen. Jacq., Magna Charta, Mme. G. Luizet, Perle des Blanches, $11 per 100. Mrs. Sharman Crawford, $15 per 100. Mrs. Plantier, Memorial roses, 5 kinds, $10 per 100. Rugosa, red and white; moss white, pink and red, budded, $12 per 100. Prairie Queen, Baltimore Belle, $10 per 100. Standard Baby Rambler, 4 ft., half standard Baby Ramblers, 3 ft., $50 per 100. Standard Dorothy Perkins, 8 to 10 ft., $1.50 each. Standard Crimson Rambler, 8 to 10 ft., $1.50 each. Vaughan's Seed Store, Chicago and N. Y.

Roses, $2.50 per 100; $25 per 1,000; Baby Rambler, C. Soupert, D. Perkins, Mme. A. Chatenay, C. Rambler; $2.75 per 100; $27.50 per 1,000: Hermosa, Maman Cochet, Malmaison, Etoile de Lyon, Helen Gould, Lady Gay, M. Niel, Notting, Meteor, White Maman; $3 per 100; $30 per 1,000; Black Prince, Mme. Masson, Richmond, Kaiserin, Paul Neyron, $3.50 per 100; $35 per 1,000; Etoile de France, Gen. McArthur, Mrs. J. Laing. Helen Good, $5 per 100. J. B. Clark, $8 per 100. C. M. Niuffer, Springfield, O.

Roses. Mrs. Potter Palmer, 2½-in., $15 per 100; $125 per 1,000; 2,000 or more, $115 per 1,000; 3½-in., $18 per 100; $150 per 1,000. Cardinal, 2½-in., $6 per 100; $55 per 1,000; 3½-in., $8 per 100; $75 per 1,000. Maid, Bride, Richmond, Sunrise, Uncle John, 2½-in., $4.50 per 100; $40 per 1,000; 3½-in., Maid, Bride. Richmond, Kaiserin, ready May 20, $6.50 per 100; $60 per 1,000. Benched Beauties, cut back, $6.50 per 100; $55 per 1,000; teas, $5.50 per 100; $50 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, in pots and outdoor: Prairie Queen, 3 to 5 ft., 15c to 35c each. Crimson Rambler, 2 ft., 15c. Baby Rambler, 3½-in., $6 per 100. Sweet briar, 2 to 3 ft., 10c to 25c each. One lot of hybrid perpetual, 5-in., asst., pot-grown, $15 per 100: Bride, Maid, Chatenay, 3-in., 3c. Baby Rambler, 3-in., 6c. Uncle John and Chatenay, 1-yr., in flower and bud, 6-in., 15c. Hybrid perpetuals, $30 per 100; $4 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

YOUNG ROSE STOCK.

	Per 100	Per 1,000
Kaiserin, 3½-in.	$5.00	$45.00
Kaiserin, 3-in.	4.50	40.00
Kaiserin, 2½-in.	3.50	30.00
Maids, 2½-in.	3.00	25.00
Brides, 2½-in.	3.00	25.00
Richmond, 2½-in.	3.00	25.00
Kate Moulton, 2½-in.	3.00	25.00

WIETOR BROS., 51 Wabash Ave., Chicago.

Roses, 2½-in., Bride, Maid, Uncle John, Ivory, Chatenay, $3 per 100; $25 per 1,000. Sunrise, Perle, $4 per 100; $35 per 1,000. Kate Moulton, Richmond. $5 per 100; $40 per 1,000. Killarney, $4 per 100; $35 per 1,000. Bench plants: Am. Beauty, $6 per 100; $50 per 1,000. Perle and Richmond, $4 per 100; $35 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Roses, grafted, Chatenay, Killarney, Richmond, Liberty, La France, in rose pots, $15 per 100; 3½-in., $18 per 100. Brides, Maids, Golden Gate, Kaiserin, rose pots, $10 per 100; 3½-in., $15 per 100. Own root: 3-in., $9 and $7 per 100. J. L. Dillon, Bloomsburg, Pa.

ROSES! ROSES! Bride, Maid, Golden Gate, Richmond, 2½-in., $3 per 100; $25 per 1000; 3-in., $5. Fine clean plants. W. H. Gullett & Sons, Lincoln, Ill.

Roses, grafted Killarney, Richmond, Bride and Maid, $12 per 100; $110 per 1,000. Own roots: Bride, Maid, G. Gate, Ivory, Perle, Killarney, Richmond, $6 per 100; $55 per 1,000; all from 3½-in. P. R. Quinlan, Syracuse, N. Y.

Roses, Kaiserin, 2½-in., $4.50 per 100; $40 per 1,000. Bench plants: Am. Beauty, $6 per 100; $50 per 1,000. Maid, Bride, Richmond and Chatenay, $3 per 100; $25 per 1,000. Bassett & Washburn, 76 Wabash Ave., Chicago.

Roses, Baby Rambler, 4-in., 25c; 5-in., 40c. Soupert, 3-in., 15c; 4-in., 20c. Crimson Rambler, 6-in., $1. Dormant Ramblers, crimson, white and yellow, 3-yr., $5 per doz. 1,000 Killarney, fine. Geo. A. Kuhl, Pekin, Ill.

Roses, Bride, Maid, Richmond, Chatenay, 2-in. stock, strong plants, $12 per 1,000. Kaiserin Victoria, 2-in., $2 per 100. All plants guaranteed. Gus. Schlegel, Butler, Pa.

American Beauties, rooted cuttings, $3 per 100; $25 per 1,000; 2¼-in., $6 per 100; $50 per 1,000. J. F. Wilcox, Council Bluffs, Iowa.

Roses, all the leading varieties. For prices and varieties, see large adv. in this issue. Leedle Floral Co., Springfield, O.

Roses, 2-yr., field-grown, Crimson Rambler, Dorothy Perkins, $8 per 100; Baby Rambler, $10. Jackson & Perkins, Newark, N. Y.

Roses, grafted and own root, Kaiserin, Carnot, Killarney, Richmond, Liberty, Bride and Bridesmaid. W. H. Elliott, Brighton, Mass.

Rose Tausendschon, 3-in., 10 for $1.50; $12 per 100; $100 per 1,000. Dingee & Conard Co., West Grove, Pa.

Roses, American Beauty, bushes; bench plants, $6 per 100; $55 per 1,000. Wietor Bros., 51 Wabash Ave., Chicago.

Rose Newport Fairy. Julius Roehrs Co., Rutherford, N. J.

Roses, Am. Beauty, 2¼-in., $5 per 100; $45 per 1000. Lamborn Floral Co., Alliance, O.

Roses. W. & T. Smith Co., Geneva, N. Y.

Roses. James Vick's Sons, Rochester, N. Y.

SALVIAS.

Salvia Zurich, ever-blooming type absolutely true, 2-in., $1 for 25; $3, 100; $25, 1,000. Rooted cuttings, $1.75, 100; $15, 1,000. J. L. Schiller, 929 Prouty Ave., Toledo, O.

Salvia Zurich, in bud and bloom, 3-in., $4 per 100; 2-in., $2.50 per 100; R. C., $1.25 per 100. The Krueger Bros. Co., Toledo, O.

Salvia Bonfire and splendens, $1.50 per 100; $14 per 1,000. Wm. S. Herzog, Morris Plains, N. J.

Stevia, strong rooted cuttings, $1 per 100; postpaid. Wallace Hornaday Co., Lawton, Okla.

Salvia Bonfire and Splendens, R. C., 75c per 100; $6 per 1,000. A. N. Pierson, Cromwell, Conn.

Salvia splendens, 2½-in., strong from seed, $1.50 per 100. Dwight Greenhouses, Dwight, Ill.

Salvias, in 5 standard varieties, 2¼-in., $2 per 100. Mosbæk Greenhouse Co., Onarga. Ill.

Salvias, 3, 2½ and 2-in., $5, $3, $2 per 100. West End Greenhouses, Lincoln, Ill.

Salvias, R. C., $1 per 100; $8 per 1,000. S. D. Brant, Clay Center, Kans.

Salvia Zurich, R. C., $1.75 per 100; 2-in., $3. Perennial Gardens Co., Toledo, O.

Salvia Bonfire, 90c. Byer Bros., Chambersburg, Pa.

Salvias, $1 per 100; $8 per 1,000. C. Humfeld, Clay Center, Kans.

Salvias, rooted cuttings, $1 per 100, by mail. Wallace Hornaday Co., Lawton, Okla.

SEEDS.

Seeds, Primula obconica, the type, ⅛ oz., 50c; tr. pkt., 15c; grandiflora, mixed, 1-16 oz., $1; tr. pkt., 25c; fimbriata, 1-32 oz., $1; tr. pkt., 50c; Bright rose, 1-32 oz., $1; tr. pkt., 25c; Kermesina, 1-32 oz., $2; tr. pkt., 50c; white, 1-32 oz., $1; tr. pkt., 25c; gigantea rosea, 1-32 oz., $3; tr. pkt., 50c; gigantea Kermesina, tr. pkt., 35c. Vaughan's Seed Store, Chicago and New York.

Seeds, bean, beet, cabbage, carrot, kohl rabi, leek, lettuce, onion, pea, radish, spinach, turnip, swede, aster, balsam, begonia, carnation, cineraria, gloxinia, larkspur, nasturtium, pansy, petunia, phlox, primula, scabious, stock, verbena, zinnia, etc. Giant pansy, $5 per oz.; $1.50 per ¼ oz.; 75c per 1-16 oz. Henry Mette, Quedlinburg, Germany.

Seeds. Primula obconica grandi, blood red, blue, carmine, pink, purple, violet, white, compacta, gigantea, fringed mixed, hybrids, separate, tr. pkt., 50c; 6 pkts., $2.50. O. V. Zangen, Hoboken, N. J.

Seeds, cyclamen, Mont Blanc, Baroness Burdett-Coutts, Crimson King, Duke of Connaught, Prince of Wales, Princess May, Rosy Morn, Picturatum, Dame Blanch, Duke of Fife, Brilliant. Primula Sinensis. St. George's Nursery Co., Harlington, Middlesex, England.

Seeds, Asparagus plumosus nanus, and robustus, $2 per 1,000. J. M. Thorburn & Co., 33 Barclay St., New York.

If you do not find what you need in our Ready Reference Department, write us about it.

Seeds, Asparagus plumosus nanus, 50c per 100; $3 per 1,000; $12.75 per 5,000. Asp. Sprengeri, 15c per 100; 65c per 1,000; $3 per 5,000. H. H. Berger & Co., 70 Warren St., New York.

Seeds, Asparagus plumosus nanus, northern greenhouse grown, per 100 seeds, 60c; 250 seeds, $1; 1,000 seeds, $3. Vaughan's Seed Store, Chicago and New York.

Seeds, verbena, mammoth, colors or mixed, ¼ oz., 30c; oz., $1. Salvia splendens, ¼ oz., 35c; oz., $1.25; Bonfire, ¼ oz., 75c; oz., $2.50. W. C. Beckert, Pittsburg, N. S., Pa.

Seeds. Tomato. the Don, Cauliflower. First and Best, Onion Ailsa Craig. Lettuce, Ideal. Mignonette, N. Y. Market. Weeber & Don, 114 Chambers St., New York.

Seeds. Lawn grass in bulk or pkts. Dickinson's Evergreen and Pine Tree brands. Albert Dickinson Co., Chicago and Minneapolis.

Seeds. Asparagus plumosus nanus, new crop, highest germination, $2 per 1,000. Drake Point Greenhouses, Yalaha, Fla.

Seed, pansy, giant flowering, $4 per oz. Jos. H. Cunningham, Delaware, O.

Seeds of all kinds. H. E. Fiske Seed Co., 12 and 13 Faneuil Hall Sq., Boston, Mass.

Seeds, sweet peas. Anton C. Zvonlanek, Bound Brook, N. J.

Seeds, peas, beans and garden seeds. Leonard Seed Co., Chicago.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds, pansy, 1,000 seeds, mixed, 25c; 1 oz., $2.25. H. Wrede, Luneburg, Germany.

Seeds, flower and vegetable. James Vick's Sons, Rochester, N. Y.

Seed potatoes, Red River stock. Onion sets, Vaughan's Seed Store, Chicago.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Seeds, all kinds. St. Louis Seed Co., 784-786 N. 4th St., St. Louis.

Contract Growers.

Seeds, onion, lettuce, sweet peas and other California specialties. C. C. Morse & Co., 48 to 56 Jackson St., San Francisco, Calif.

Seeds, bean, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, cabbage and cauliflower, Hjalmer Hartman & Co., Stormgade, Copenhagen; 31 Barclay St., New York.

Seeds, lettuce, onion, sweet pea, aster, cosmos, mignonette, verbena. Waldo Rohnert, Gilroy, Calif.

Seeds, growers for the wholesale trade only. Braslan Seed Grower's Co., San Jose, Calif.

Seeds, peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seed beans. F. L. Hogue, Carpinteria, Calif. Grower for the wholesale trade only.

Seeds, garden peas and beans. Rogers Bros., Alpena, Mich.

SMILAX.

Smilax, nice stocky plants from fall, $3 per 1000; 2000 for $5; 5000 for $10; by mail, 50c per 100. F. A. Baller, Bloomington, Ill.

Smilax. fine plants ready for 2¼-in. pots, $4 per 1000; 50c per 100. Smith & Young Co., Stanton Ave., Indianapolis, Ind.

Smilax, 3 and 2-in., $3 and $2 per 100. West End Greenhouses, Lincoln, Ill.

Smilax, $2.50. Geo. A. Kuhl, Pekin, Ill.

SNAPDRAGONS.

Snapdragons, pink and yellow, 2½-in., $4 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

SPIREAS.

Spirea Gladstone, extra nice plants for Easter, 6-in pots, 35c each. Memphis Floral Co., Memphis, Tenn.

Spireas. Jacs Smits, Ltd., Naarden, Holland.

SWAINSONAS.

Swanisona alba, R. C., $1; 2-in., 2c. Byer Bros., Chambersburg, Pa.

Swainsona alba, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

VEGETABLE PLANTS.

Vegetable plants, cabbage: Wakefield, L. J. Second Early, Early Flat Dutch, Early Summer, Winningstadt, and other late vars., $1 per 1,000; $8.50 per 10,000. Beet: Eclipse, Crosby's and Egyptian, 25c per 100; $1.25 per 1,000. Lettuce: Boston Market, Tennis Ball, Big Boston, Grand Rapids, 20c per 100; $1 per 1,000. Celery: White Plume, G. S. Blanching, 20c per 100; $1 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

500,000 Yellow Jersey sweet potato; 500,000 early tomato and 300,000 early cabbage plants, now ready, 30c per 100; $2 per 1,000. Cash. Mrs. Edward Hayden, Greenview, Ill.

Thousands of early cabbage and tomato plants, now ready to ship. The best early varieties at $1.25 per 1,000. Sweet potato plants, 4 varieties ready May 10, at $1.50 per 1,000. Price list free. S. J. McMichael, Findlay, O.

Tomato plants, Ponderosa and Stone, 2-in., 1c; $9 per 1,000. M. Fenton, West Newton, Pa.

Wakefield cabbage plants, ready for the field, 20c per 100. Dwight Greenhouses, Dwight, Ill.

Horse radish sets, $3 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

VERBENAS.

Verbenas, mammoth, fine large plants from soil, 60c per 100; $4 per 1,000. Hill Top Greenhouses, 15 Gray Ave., Utica, N. Y.

Verbenas, red white, purple and pink, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Verbenas, mammoth, bud and bloom, $1.50 per 100; $14 per 1,000. W. S. Herzog, Morris Plains, N. J.

Verbenas, mixed and separate colors, 2¼-in., $2.25 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Verbenas, 2½ and 2-in., in bloom, $3 and $2 per 100. West End Greenhouses, Lincoln, Ill.

Verbenas, in bud and bloom. J. L. Dillon, Bloomsburg, Pa.

Verbenas. Geo. M. Emmans, Newton, N. J.

VINCAS.

Vinca minor, 2-in., $3 per 100; $25 per 1,000; 2½-in., $3.50 per 100; $30 per 1,000. G. Wittbold Co., 1657 Buckingham Pl., Chicago.

Vinca variegata, R. C., 90c per 100; $7.50 per 1,000; 2½-in., $2.25 per 100; $20 per 1,000. Leedle Floral Co., Springfield, O.

Vinca variegated, strong, vigorous plants, 2¼-in., $2; 4-in., $10; 5-in., $15 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Vinca variegata, 3½ and 4-in., $6 per 100. Wm. S. Herzog, Morris Plains, N. J.

Myrtle, Vinca minor, 2¼-in., 3-in., and field-grown, $2.25, $3 and $5 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Vinca var., 2½-in., $3; 3-in., $5. W. H. Gullett & Sons, Lincoln, Ill.

Vinca var., 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

Vinca, variegated and green, 4-in., $10; 3-in., $5 per 100. West End Greenhouses, Lincoln, Ill.

VIOLETS.

Gov. Herrick violets, strong layers, well rooted, $7 per 1,000. George Corbett, Station K, Cincinnati, O.

Violets, California, rooted runners and divisions, $1 per 100; $8 per 1,000. Wallace Hornaday Co., Lawton, Okla.

Well rooted violet divisions of California violets for sale at $6 per 1,000. Cash please. C. L. Van Meter, Monticello, Iowa.

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Commission Dealers.

Allen, J. K., 106 W. 20th St., New York.

Amling, E. C., 32-36 Randolph St., Chicago.

Berning, H. G., 1402 Pine St., St. Louis.

Buffalo Cut Flower Co., 468 Washington St., Buffalo, N. Y.

Cleary's Horticultural Co., 62 Vesey St., N. Y.

Deamud, J. B. Co., 51 Wabash Ave., Chicago.

Ford Bros., 48 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., N. Y.

Guttman, Alex. J., 43 W. 28th St., New York.

Harty & Co., 1312 G St., N. W. Washington.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kennicott Bros. Co., 48-50 Wabash, Chicago.

Kuehn, C. A., 1122 Pine St., St. Louis.

Langjahr, Alfred H., 55 W. 28th St., N. Y.

McCullough's Sons Co., J. M., 316 Walnut St., Cincinnati, O.

McIntyre, John, 1601 Ranstead St., Philadelphia.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

McKissick, W. E., 1619-1621 Ranstead St., Philadelphia.

Michigan Cut Flower Exchange, 30-40 Broadway, Detroit, Mich.

Millang Bros., 41 W. 28th St., New York.

Murdoch, J. B. & Co., 714 Penn Ave., Pittsburg, Pa.

Niessen Co., Leo, 1208 Arch St., Philadelphia.

N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.

Perkins & Nelson, 57 W. 26th St., New York.

Pittsburg Cut Flower Co., Ltd., 222 Oliver Ave., Pittsburg, Pa.

Pittsburg Florists' Exchange, 217-223 Diamond St., Pittsburg, Pa.

Pollworth, C. C. Co., Milwaukee, Wis.

Randall, A. L. Co., 19 Randolph St., Chicago.

Raynor, John I., 49 W. 28th St., New York.

Rice Bros., 128 N. 6th St., Minneapolis, Minn.

Robinson, Henry M. & Co., 11-15 Province St., Boston.

Seligman, John, 56 W. 26th St., New York.

Sheridan, Walter F., 39 W. 28th St., New York.

Smith & Co., W. C., 1316 Pine St., St. Louis.

Traendly & Schenck, 44 W. 28th St., N. Y.

Vaughan & Sperry, 58-60 Wabash Ave., Chicago.

Welch Bros., 226 Devonshire St., Boston.

Winterson, E. F. Co., 45-49 Wabash, Chicago.

Young, A. L. & Co., 54 W. 28th St., N. Y.

Young, John, 51 W. 28th St., New York.

Young & Nugent, 42 W. 28th St., New York.

Zech & Mann, 51 Wabash Ave., Chicago.

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Growers.

Bassett & Washburn, 76-78 Wabash, Chicago.

Benthey & Coatsworth Co., The, 35 Randolph St., Chicago.

Bruns, H. N., 1409-11 W. Madison St., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Elliott, W. H., Brighton, Mass.

Hill, The E. G. Co., Richmond, Ind.

Jensen & Dekema, 674 W. Foster Ave., Chicago.

Joy Floral Co., 601 Church St., Nashville, Tenn.

Muskogee Carnation Co., Muskogee, Okla.

Peacock Dahlia Farms, Atco, N. J.

Poehlmann Bros. Co., 35-37 Randolph, Chicago.

Reinberg, Peter, 51 Wabash Ave., Chicago.

Weiland & Olinger, 128 E. 3rd St., Cincinnati, O.

Weiland & Risch, 59 Wabash Ave., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

Wittbold, Geo. Co., 1657 Buckingham Pl., Chicago.

Woodrow, Samuel A., 53 W. 30th St., N. Y.

RETAIL CUT FLOWERS.

Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree St.

Albany, N. Y.—H. G. Eyers, 11 N. Pearl St.

Boston—Houghton & Clark, 396 Boyleston St.

Brooklyn, N. Y.—Robt. G. Wilson, Fulton St. and Green Ave.

Buffalo, N. Y.—Palmer's.

Chicago—Hauswirth Florist, Auditorium Annex.

Chicago—Wittbold, Florist, 1657 Buckingham Place.

Dayton, O.—Mathews, 16 W. 3rd St.

Denver, Colo.—Daniels & Fisher.

Denver, Colo.—The Park Floral Co.

Detroit, Mich.—John Breitmeyer's Sons, cor. Miami and Gratiot Aves.

Evansville, Ind.—The Blackman Floral Co., 402 Main St.

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Indianapolis, Ind.—Bertermann Bros. Co., 241 Mass. Ave.

Kansas City, Mo.—Geo. M. Kellogg, 906 Grand Ave.; also Pleasant Hill, Mo.

Kansas City, Mo.—Samuel Murray, Coates House Co., 1017 Broadway.

London, Eng.—Wills & Segar, Onslow Crescent, So. Kensington.

Los Angeles, Calif.—J. W. Wolfskill, 218 W. 4th St.

Louisville, Ky.—J. Schultz, 644 4th Ave.

New Orleans, La.—U. J. Virgin, 833 Canal St.

New York—M. A. Bowe, 1294 Broadway.

Omaha, Neb.—Hess & Swoboda, 1415 Farnam St.

Philadelphia, Pa.—Robt. Kift, 1725 Chestnut St.

Rochester, N. Y.—J. B. Keller Sons, 25 Clinton St.

St. Louis, Mo.—Fred C. Weber, 4320-28 Olive St.

St. Louis, Mo.—Young's, 1406 Olive St.

St. Paul, Minn.—Holm & Olson.

San Francisco, Calif.—J. B. Boland Co., 47-49 Geary St.

Seattle, Wash.—Woodland Seed & Floral Co., 808 2nd Ave.

Terre Haute, Ind.—Jno. G. Heinl & Son.

Washington, D. C.—Z. D. Blackistone, 14th and H Sts., N. W.

Washington, D. C.—A. Gude & Bro., 1214 F St.

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Artificial poinsettias. J. Schroeder, 2253 Ontario St., Cleveland, O.

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Boilers, corrugated, firebox and sectional greenhouse heating. Hitchings & Co., 1170 Broadway, New York.

Boilers, improved greenhouse boilers, made of best material; shell firebox sheets and heads of steel; water space all around (front, sides and back). Kroeschell Bros. Co., 45 Erie St., Chicago.

Boilers, the Superior improved internal fired boiler. Made in 10 sizes to heat from 2,000 to 6,500 feet of 4-in. pipe. Superior Machine and Boiler Works, 125-133 W. Superior St., Chicago.

Boilers, Myers & Co., 1122 Betz Bldg., Philadelphia.

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Boilers, boilers of high grade for greenhouses. Steam or hot water. Giblin & Co., Utica, N. Y.

Boilers, steel return tubular, steam or water. Johnston Heating Co., 138 E. 31st St., N. Y.

Boilers, water tube steam boilers. King Construction Co., North Tonawanda, N. Y.

Economy hot water heater. Thomas & Smith, 24 So. Carpenter St., Chicago.

Boilers, S. A. Jacobs & Sons, 1365 N. Flushing Ave., Brooklyn, N. Y.

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Cut flower boxes. Send for prices. Edwards Folding Box Co., Philadelphia, Pa.

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Building material, hotbed sash, cypress, unglazed, 95c each; in doz. lots, 90c; glazed, $1.65 each; doz. lots, $1.60. Pine sash, unglazed, 90c; doz. lots, 85c; glazed, $1.60; doz. lot, $1.55 each. Building hardware, wire and wire fencing bolts, hatchets, hammers, etc. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Building material, cypress sash bars. Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pipe fittings, and all supplies needed in new or reconstruction work. Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Building material, lumber for greenhouse benches, shiplap, drop siding, sheeting flooring, white cedar posts, etc. We are in special position to furnish "Pecky Cypress;" everything in pine and hemlock building lumber. Adam Schillo Lumber Co., cor. Weed and Hawthorn Sts., Chicago.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouses and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress, semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 113 Blackhawk St., Chicago.

Building and propagating sands, fire brick and fire clay. Portland cement, hard wall plaster. Garden City Sand Co., Security Bldg., Chicago.

Building material for U-bar greenhouses. Pierson U-bar Co., Metropolitan Bldg., 4th Ave. and 23rd St., New York.

Building material of all kinds. S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Building material of all kinds. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn.

Greenhouse material, Louisiana red cypress. Louisiana Red Cypress Co., Hibernia Bldg., New Orleans.

FERTILIZERS.

Sheep manure (Wizard brand), $1.75 per 100 lbs.; $8 per 500 lbs.; $15 per 1,000 lbs.; $30 per ton. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Dried and ground SHEEP MANURE, Nature's product unadulterated. For particulars address Natural Guano Co., Aurora, Ill.

Wizard brand pulverized sheep manure, large barrel, $4. The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

Ichthemic guano, in tins and bags. Fame's fertilizer, in tins and bags. Wm. Colchester & Co., Ipswich, England.

GLASS.

Glass, greenhouse all sizes. H. M. Hooker Co., 120-128 W. Washington St., Chicago.

Glass importers and jobbers; greenhouse glass a specialty. Window glass. James H. Rice, corner Michigan, St. Clair and Illinois Sts., Chicago.

Glass, greenhouse glass a specialty; also window glass. Sprague, Smith & Co., 167-9 Randolph St., Chicago.

Glass. French and American "White Rose." Stenzel Glass Co., 2 Hudson St., New York.

Glass. High grade, double thick, greenhouse glass. Lord & Burnham, 1133 Broadway, N. Y.

Glass, all sizes. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn, N. Y.

Glass of all sizes. S. Jacobs & Sons, 1365 N. Flushing Ave., Brooklyn, N. Y.

Glass of all kinds and sizes. Sharp, Partridge & Co., 22nd and Lumber Sts., Chicago.

GLAZING POINTS.

Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Siebert's zinc never-rust glazing points, 2 sizes, ⅝ and ⅞, 40c per lb.; 16c extra by mail; 7 lbs., $2.50; 15 lbs., $5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburg, Pa.

Glazing points, Lord & Burnham special glazing nails (points). Lord & Burnham Co., 1133 Broadway, New York.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of greenhouses for private estates, institutions, parks, etc. Pierson U-bar Co., Metropolitan Bldg., 4th Ave. and 23rd St., New York.

Greenhouse construction, builders of every type of greenhouses, the most modern designs. Hitchings & Co., 1170 Broadway, N. Y.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 113 Blackhawk St., Chicago.

Greenhouse construction of all kinds and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Greenhouse construction, builder of private or commercial greenhouses. Frank Van Assche, Fulton and Rose Ave. and Dwight St., Jersey City, N. J.

Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction, builders of modern greenhouses. Myers & Co., 1122 Betz Bldg., Philadelphia.

Greenhouse construction and equipment. King Construction Co., North Tonawanda, N. Y.

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Gutters. Garland's gutters will keep snow and ice off your glass. A sample of our gutters is on exhibition at Chicago Flower Growers' Market. Geo. M. Garland, Des Plaines, Ill.

Gutters, cast-iron. Lord & Burnham Improved V-shaped gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, New York.

Gutters. Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

HOSE.

Hose, garden, ¾-in., 4c per ft. Competition garden hose, ¾-in., 50 ft. lengths with couplings, $2. Standard grade, ¾-in., 50 ft., lengths with couplings, 3 ply. 7c per ft.; 4 ply, 9c; 5 ply, 10c. Hose reels, 75c each. Sprinklers, 25c. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Hose, 50-ft. lengths, ¾-in., 8½c; for heavy work, 12½c. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn, N. Y.

"SHOWERMAKER," $1. Jos. Kopcsay, So. Bend, Ind.

INSECTICIDES.

To-Bak-Ine products, liquid and fumigating compound. E. H. Hunt, general agent, 76-78 Wabash Ave., Chicago.

Fresh tobacco stems; 50c per 100 lbs.; $10 per ton. Scharff Bros., Van Wert, O.

Insecticides, tobacco paper, 24 sheets, 75c; 144, $3.50; 288, $6.50; 1,728, $35.10. Nicofume liquid, pint $1.50; ½ gal., $5.50 gal., $10.50; 5 gals., $47.25. The Kentucky Tob. Product Co., Louisville, Ky.

Insecticides. Carman's Antipest insecticide and fungicide, $1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Fumigating supplies, vaporizing pans for tobacco extract, improved. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Tobacco stems, bales 500 lbs., $1.50. W. C. Beckert, Allegheny, Pa.

Insecticides. Nicotcide Bug Killer, the best bug killer and bloom saver. P. R. Palethorpe Co., Owensboro, Ky.

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Pots, red standards, full size and wide bottoms. Detroit Flower Pot Mfg., 490 Harvard St., Detroit, Mich.

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Paper flower pots, 500,000. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

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Pots, standard, all sizes. A. F. Kohr, 1521 Leavitt St., Chicago.

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Ventilators. The Advance Ventilating Apparatus. Write for estimates and circulars. The Advance Co., Richmond, Ind.

TROY, O.—L. A. Thomas reports better business than he has had in years.

WHITMAN, MASS.—Maurice L. Belcher is a voluntary petitioner in bankruptcy with liabilities $967, assets $40.

NASHUA, N. H.—The weather during March and April has been very favorable for retail trade. Stephen Chase makes a specialty of shipping geraniums out of 3½-inch pots. He puts out a very fine plant and is making large shipments at the present time.—B.

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For the Garden, Orchard and Greenhouse

Non-poisonous and harmless to vegetation.

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FAIRFIELD, CONN.—Geo. H. Smith is developing his greenhouse business and has considerably increased his glass, besides going in largely for all kinds of vegetable plants.

ALLEGHENY, PA.—G. & J. W. Ludwig report considerable decrease in Easter sales at prices less than those of last year. Carnations and roses sold best as cut flowers.

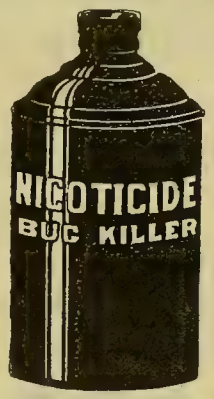
PEORIA, ILL.—James C. Murray reports larger Easter sales than last year at better prices. Carnations were scarce and sold at high prices, and the sales on flowering plants were above the average.

CHEYENNE, WYO.—Chas. F. Swayger, for a number of years general landscape gardener of the Union Pacific, has resigned his position with the road to take charge of the landscape gardening at Fort D. A. Russell.

SOUTH HAVEN, MICH.—Trade has not been very brisk here all winter but is picking up a little. W. A. Hartman has not been well all winter and has been obliged to go away for a while; he is visiting his sister in New York.

PALM BEACH, FLA.—Foster & Foster have had a good business this season, but it practically ends in April. Prices held the same as usual with everything equal to the demand. Roses, violets and lily of the valley were in greatest demand.

GAINESVILLE, FLA.—Extensive preparations are being made here for the entertainment of the members of the State Horticultural Society, which will convene in annual session in this city from May 12-15. This event is anticipated with a great deal of interest, as it will bring together 200 or more of the best growers in the state, representing every section and every class of horticulture.



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FLORIST SPECIALTIES 100 lbs., $1.75; 500 lbs., $8.00; 1,000 lbs., $15.00. Ton, 2,000 lbs., $30.00.

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PEORIA, ILL.—For the first time in nine years James Cole, the pioneer florist of the state, came down town April 24. The occasion was a Masonic parade in which James Nelson Cole, Jr., aged 22, took part. He is said to be the youngest thirty-second degree mason in the world.

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No Water Tank==

INSURING CONSTANT, DIRECT SUPPLY.

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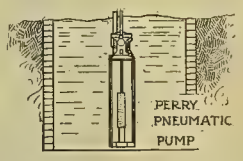
Send for descriptive matter and information blanks. We will be pleased to give estimates on a system for your particular needs.



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Old Colony Building, CHICAGO.

Red Bank, N. J.

The Monmouth County Horticultural Society held its regular monthly meeting at Red Men's hall May 1. A delegation of members of the Elberon Horticultural Society were visitors and joined the society. The president of the Elberon society, Henry Wood, made a very flattering speech about our society and suggested that the two societies should cooperate in the fall show which was promptly accepted. It was then decided that the twelfth annual chrysanthemum show should be held in the Frick Lyceum November 4-5 in conjunction with the Elberon society. The secretary was ordered to have the preliminary schedule printed at once. The lectures for the remaining year are as follows: June 5, Geo. A. Steele, "Shrubs"; September 4, Wm. Turner, "Stove Plants"; October 2, N. Butterbach, "Melon Culture Under Glass"; November 6, J. C. Hale, "Evergreens"; December 4, H. A. Kettel, "Bulbs." B.

Orange, N. J.

The regular monthly meeting of the New Jersey Floricultural Society was held May 1. The floral display consisted of orchids from the well known houses of Lager and Hurrell, of Summit. Dendrobium Dalhousianum., Oncidium varicosum Rogersi, Cypripediums Rothschildianum and Curtisi exquisitum, and Cattleyas Mendelii and Mossiae. Thomas Jones of Short Hills showed Cattleya gigas Sanderiana and Joseph A. Manda of West Orange, Dendrobium Bronckartianum (flowering for the first time in America), Lælia elegans Schilleranium and Oncidium Marshallianum, besides the usual contributions from private estates. The address of the evening was by J. B. Davis upon "Cartography Applied to Landscape Work," illustrated by many maps and pictures from the speaker's collection. It was decided to dispense with meetings during the summer months. J. B. D.

HEMPSTEAD, L. I.—Geo. Williams, of 152 Henry street, formerly employed as landscape gardener and utility man on the Kernochan estate, The Meadows, was found dead April 28, under a shed on the Hempstead Manor property, by some workmen. A common sash cord was found around his neck and fastened to a beam in the shed. Williams had, apparently, been dead some hours when found. He was about 55 years of age and leaves a widow and grown-up children.

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Hoquiam, Wash.

This is one of the spots where we never lack for moisture. On Grays Harbor, 12 miles from the Pacific, every low cloud that drifts over the land from the water spills a part of its contents. The soil here in the city is reclaimed tide lands, a heavy, mucky, rich soil, and all vegetation thrives in it. The holly is fine; rhododendrons are showing color; English ivy grows rampant. Primula veris is in its glory. It does not get very warm here, and some things that require heat will not do well. The nights are cool. It does not get very cold in the winter. The native trees are spruce and fir. The deciduous varieties planted here are coming into leaf. Lilacs are nearly open. Tulips are in bloom. No greenhouse flowers are grown here. I have seen a few carnations in a store, mostly Enchantress, shipped in from Tacoma or Seattle. T.

LA FAYETTE, IND.—F. Dorner & Sons Co. have appointed Mrs. C. M. Kerlin as agent in Delphi.

BUTTE, MONT.—Horace Cheeseman, representing Vaughan's Seed Store, Chicago and New York, was a visitor this week. Trade was good generally, he reports, but an occasional town he referred to as "the hardest proposition he ever tackled," evidently "confronted by a condition." He proposes to tackle the mormons next.

Florists' Refrigerators

Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCrayRefrigerator Co. 760 Mill Street, KENDALLVILLE, IND.

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Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florists' Supplies.

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Sample free. For sale by dealers.

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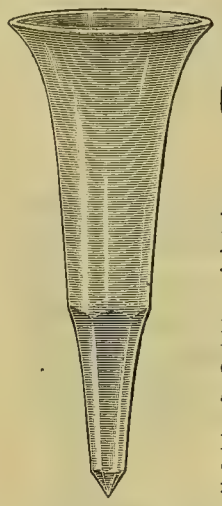

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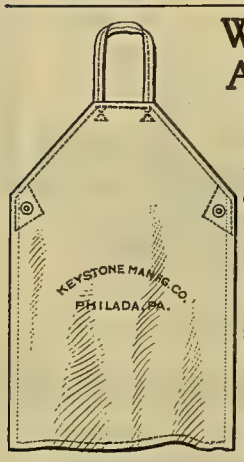

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CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
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Columbus, O.

TRADE VERY BRISK.

Trade still continues very brisk, but rainy and cool weather has put a damper on the call for outside work for the present. Most of the growers have their carnations planted out now, and most of the young spring stock is potted off and in shape for the spring sales. Geraniums are in 3 and 4-inch pots and looking fine. Hanging baskets are being planted now, in order to give them a start before being purchased by customers. Roses, carnations and sweet peas are the principal cut flowers now. Violets are very poor, and bulbous stock gone, leaving very little variety to select from.

NOTES.

The Florists' Club was entertained April 29 at the establishment of Mr. Hessnauer, on South Front street. A business meeting was held first, after which baked beans and other delicacies were served. The club gives its first annual ball Monday evening. It is expected that fully 100 couples will attend. The committee on arrangements is composed of Jas. McKellar, chairman, Jacob Reichert, Wm. Metzmeier, Geo. Bauman and Albert Hills. The hall will be prettily decorated for the occasion. CARL.

NEW BEDFORD, MASS.—A committee from the Horticultural Society, with representatives of the Farmers' club and Teachers' association, held a conference April 9 in Y. M. C. A. building to discuss the wholesale slaughter of wild flowers and ways to prevent it. Some plans were considered and the interest of other societies that were invited to the conference and did not send delegates will be sought again before the next meeting of the Horticultural Society. There was a good deal of interest shown in the movement by those who attended the meeting, and the plants which it is sought to preserve are the trailing arbutus, mountain laurel and fringed gentian.

THE KELLER POTTERY COMPANY,
Manufacturers of FLORISTS' RED STANDARD POTS.
Azalea Pots, Bulb and Fern Pans, Etc.
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Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address

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6 -in flower pots,	20.00		

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OF FINELY PREPARED CLAY.
Process and catalogue sent on request.
The Peters & Reed Pottery Co, ZANESVILLE, OHIO.

Standard Flower Pots
Porosity and Strength Unsurpassed.
Write for Prices.
A. F. KOHR,
1521 Leavitt Street, CHICAGO.

Always mention The American Florist when you order stock. : : : :

GREENHOUSE GLASS

PRICES WAY DOWN! DON'T HESITATE! WRITE TO-DAY!

You have been waiting for just such a time as the present and unless all signs fail, you will make no mistake in buying for present and future needs. Tell us the sizes you use, and we will quote prices that mean business.

HOOKER'S GREENHOUSE WHITE

WHITE AS SNOW. Ready For Use. TOUGH AS LEATHER

Years of experience and study have produced this wonderful wearing white and you know it requires just as much time to put on a cheap paint as it does the best.

Half Barrels, (25 Gals.) per gal. $1.40. 5 Gal. Buckets, per gal. $1.50

ANSBACHER'S

PARIS GREEN,

ABSOLUTELY PURE

NET WEIGHT PACKAGES. LOWEST PRICES.

H. M. HOOKER COMPANY,

Long Distance Phone Monroe 4994.

120 to 128 W. Washington St., CHICAGO.

Buffalo.

TRADE FAIR.

Changeable weather from almost a summer temperature to a cold rain, followed by about six inches of snow, have been the variations here the past week. Trade has been fair. Weddings, waiving all weather conditions, have been numerous, giving all plenty of work. Greenhouse men are more than busy now getting things in readiness for spring work.

NOTES.

Chas. H. Sandiford read a very interesting paper before the Y. M. C. A. on "Small Gardens and What To Grow." It was very interesting and instructive to the home man. We expect a good paper from Mr. Sandiford very soon at the club.

The Buffalo Cut Flower Co. has removed to 495 Washington street, the home of the wholesaler, where D. B. Long started and was succeeded by W. F. Kasting. We wish the firm the success of the former occupants.

J. H. Rebstock has vacated his Main street store temporarily and is now located at his Elmwood avenue store. He will be in a new location in the near future.

The Florists' Bowling Club, which is separate from the B. F. C. Club, bowled in Niagara Falls last week, covering themselves with glory.

S. A. Anderson and wife are on a fishing trip in Michigan.

Visitors: Walter Mott, and L. G. Colyn, of Holland. BISON.

Memphis, Tenn.

TRADE SATISFACTORY.

Easter trade was better than last year; for the first time there were plenty of pot lilies to go around and some to spare, but all used in the following week. Hydrangeas all cleaned up and the demand for American Beauty roses was better than at any previous Easter for the past 10 years. On the whole a very satisfactory Easter. The demand and sale of geraniums this year has been good. We account for it in the excellent blooming stock; people bought them for the full handsome double blooms on the plants, one firm selling over 25,000 plants.

NOTES.

The East End Floral Co. is no more, attachments being issued in April by local tradesmen, the stock not covered by chattel mortgage will be sold May 11.

A local drug firm that backed the enterprise is said to be out $6,000, secured by some decorative palms, horse and wagon and uncollected accounts. Chas. Hammer, the active spirit of the defunct floral company, contemplates opening a florist stand in a new soda water and confectionery store in a week or 10 days. H.

The James H. Rice Co.

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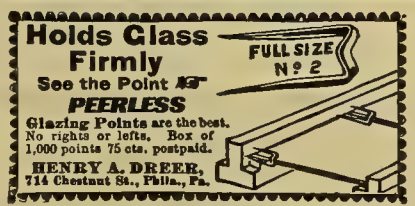
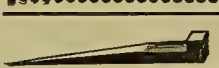
167-169 Randolph Street, CHICAGO.





SIEBERT'S ZINC GLAZING POINTS

Never Rust

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, ⅝ and ¾. 40c per lb.; by mail, 16c extra; 7 lbs. for $2.50; 15 lbs. for $5.00 by express. For sale by the trade.

RANDOLPH & McCLEMENTS, Successors to Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty, Lasts longer than putty. Easy to apply.

STENZEL GLASS CO.,

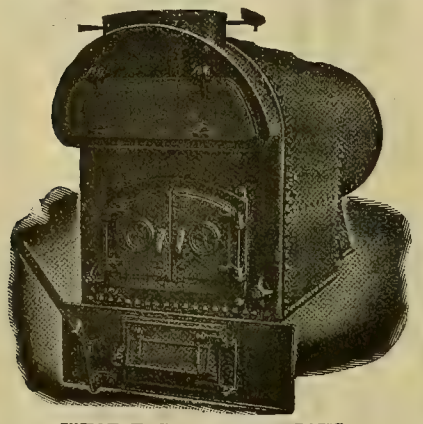
GREENHOUSE GLASS.

French and American "WHITE ROSE" Brand.

2 Hudson St., NEW YORK.

STEEL RETURN TUBULAR

Steam BOILERS Water



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Gentlemen —The internally fired steel boilers which you installed last fall are giving us great satisfaction. They heat very quickly and are very economical. We are exceedingly well pleased with them and they have more than met our expectations. Very truly yours, F. R. PIERSON CO.

Johnston Heating Co., 138 East 31st. St. NEW YORK CITY
Write for catalogue and prices.

SAVE

FUEL, WATER, REPAIRS

HOW?

By Installing a

MOREHEAD TRAP

Write us for a 30 days' trial. We will place a trap in your heating system and will abide by your decision whether it pays or not. We know once you install a MOREHEAD you will never be without one—Investigate it.

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1047 Grand River Avenue
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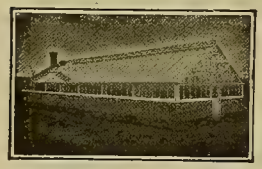


Modern Greenhouses

HEATING **BOILERS.**

1122 Betz Bldg., PHILA., PA.

Tarrytown, N. Y.

The monthly meeting of the Tarrytown Horticultural Society was held on April 24, President Angus in the chair. Three new nominations to membership were received. James Stuart, Mamaroneck, and Wm. Brown, Ossining, were elected active members of the society. We are glad to say that donations to our prize fund are still coming; and, to date, five silver cups are offered for the November exhibition.

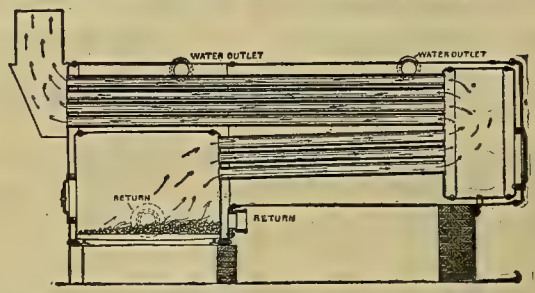
James W. Smith's prize for the best two flowering plants was won by Thomas Oitckinson, gardener to Henry Siegel, Mamaroneck, with a large pelargonium in fine bloom and a calceolaria; both were well grown specimens. The feature of the evening was the talk on "Water Gardens," given by Charles H. Tibbits. Mr. Tibbits is connected with the park department of White Plains, and has had very satisfactory results with aquatic plants. He kept his hearers listening with pleasure to his remarks. Subjects for next meeting will be "Shrubs," and "Hardy Perennials."

L. A. M.

THE SUPERIOR

Return Flue Fire Box Boiler.

Ask the man that knows. The names are yours for the asking of them.



12 of these were bought and used by one grower 6 by another grower.

This boiler has given better satisfaction than any other boiler on the market
MADE IN EIGHT SIZES FOR HOT WATER.
Send for new catalogue and list of growers that are using this boiler.

Superior Machine and Boiler Works, 125 W. Superior St., CHICAGO.

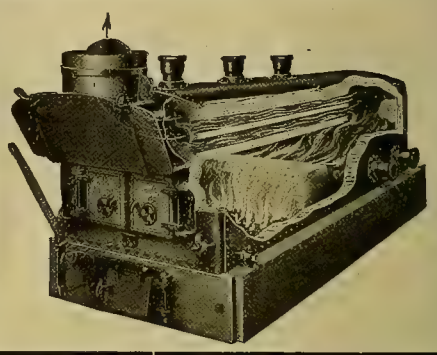
The KROESCHELL BOILER

IS THE ONLY PERFECT
HOT WATER BOILER.
(NOT CAST IRON)

Has water in front, sides, top and a water back.

Made in 15 sizes, heating 6,000 to 50,000 square feet of glass to 60° at 15° below zero.

Prices and catalogue on application.



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We Invite All Greenhouse Owners to investigate our

IMPROVED METHOD OF

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Our COMPOUND Vacuum System requires SMALLER STEAM mains and connections, secures BETTER CIRCULATION in distant parts of the system.

And is More FLEXIBLE, ECONOMICAL in fuel, and will give you better SATISFACTION than any other steam or hot water system on the market.

Also have a simple HEAT REGULATION that is easily connected with it if desired.

Write for catalogue and investigate. Don't take our word alone for it.

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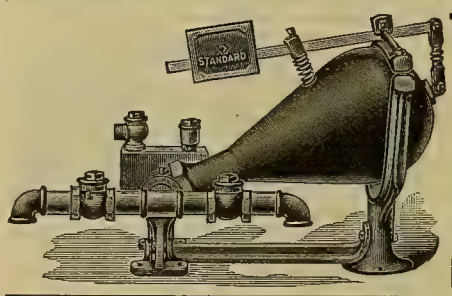


The Standard Steam Trap

Has established a record far above that that of any other trap for Florists; being very simple, durable and easily taken care of.

Catalogues of the **Trap, Duplex Gutter,** and **Standard Ventilating Machinery,** mailed free upon application.

E. HIPPARD, Youngstown, O.

JERSEY CITY, N. J.—Daniel Cole surprised many of his friends recently by marrying Miss Anna May Baumann and he and his young bride will take up their residence in the Bergen section after a brief wedding tour.

MEXICO CITY.—The annual flower parade and floral fiesta, which took place here April 26, was one of the most brilliant events of its kind ever witnessed in this city. President Diaz and representatives of high society participated.

Toronto.

BUSINESS AND PRICES POOR.

Business at present is not much to brag of; excepting a little funeral work and an odd wedding there is not much doing, consequently stock of all varieties has accumulated to very large proportions. The horse show which is now on does not prove the large factor to business that it has heretofore and the florists with but few exceptions did not even decorate their windows for the occasion. Roses predominate and were never better or more plentiful. American Beauty, Richmond, Killarney and Bridesmaid are a pleasure to behold, very creditable to the growers but finding little sale. Carnations are the same and if wanted in quantities can be had at unreasonably low figures. All stock meets the same fate and although the wholesale list is published few adhere to it. A few very well grown flowering plants are still seen but are not much in demand. Baby Rambler roses have been good sellers; well grown and nicely arranged they have outsold other varieties of plants.

NOTES.

W. Wilson of Niagara Falls, Ont., has been appointed park commissioner of this city, succeeding John Chambers, who resigned some months ago. A number of local men applied for the position, but the strong support of the newspapers was responsible for Mr. Wilson's selection. He has had considerable experience at Queen Victoria park and has plenty of opportunity here in the large park system of this city to prove his worth.

J. S. Simmons won first prize at the horse show for his delivery wagon. This is one of his best mediums of advertisement and his wagons are always up-to-date. He had a nicely decorated window for the occasion which was also given first prize.

A freight car which was being loaded with lilies and palms by Grobba & Wandrey was run into by a shunting engine doing considerable damage to the contents.

Frank Duffert had a splendid lot of lilacs, possibly the best ever grown in this section; they met with a ready sale.

The Bedford Park Floral Co. is busy replanting some of the rose benches and expects to have an early crop this year.

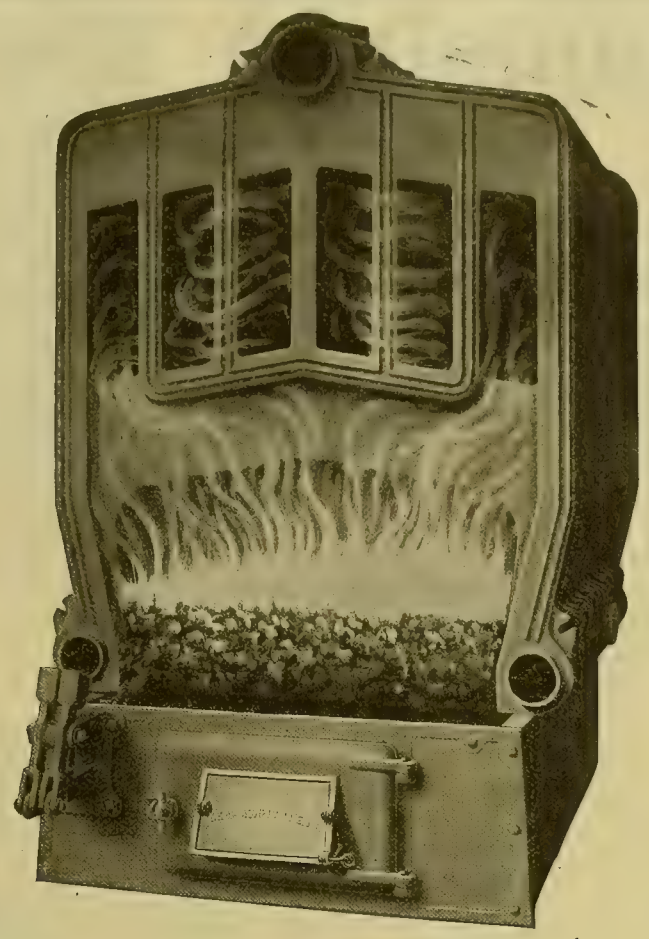
H. G. D.

Albany, N. Y.

The bureau of parks of the city will erect a new greenhouse for palms and other foliage plants on New Scotland avenue. The proposed house will be 30 feet by 60 feet. In addition to this there will be erected also this summer a propagating house 10 feet by 60 feet. The bureau will also install a new Hitchings boiler of the latest type to replace another boiler worn out in service.

At the present time the parks are busy places. The gardener, John J. Walsh, has had a gang of men out planting trees in different parts of the city. The men have planted 45 oriental plane trees in Beaver park and 45 other trees of different varieties will also be planted in the same park. The men have also planted a large number of maple trees along Western avenue, Hudson avenue, and Yates street. Forty tons of soluble ground bone were received by the bureau during the last days of April and men are engaged in spreading the same upon the lawns and other places in the various parks of the city.

The common council at its last meeting in April passed an ordinance appropriating the sum of $150,000 for a new park in parts of the Twelfth and Thirteenth wards. It is expected that work upon this new pleasure ground will be begun immediately. The bureau of parks has also secured plants of about 75 new varieties of chrysanthemums for exhibition at the annual show in October in the lake house, Washington park.



Once Across the "Burnham" the Fire Travels.

Note the extra depth of the "Burnham" fire pot and the great heat-absorbing capacity of those deep fire channels, one for each section, extending entirely across the fire box. See the way the blaze first rises into these channels and is drawn along in them to their ends, then into the side flues. All fire surfaces are completely water surrounded.

Get it firmly fixed in your mind that the water returned from the steam or hot water system comes in direct contact with the hottest part of the boiler, reheating water instantly.

57 sizes—Burns hard or soft coal.

Send for New Catalog.

LORD AND BURNHAM CO.,

Main Office: 1133 Broadway, NEW YORK.

BOSTON: 819 Tremont Bldg. PHILADELPHIA: 1215 Filbert St.

The members of the Florists' Club met on April 30 in Eyres' greenhouses and inspected his stock which is in charge of Chas. Sanders, foreman.

R. D.

Rochester, N. Y.

Geo. B. Hart is handling some very fine antirrhinums grown by the Wm. Scott Co. of Corfu, N. Y. It is the very best strain of antirrhinum that we have ever seen, and sells readily. We think that it would pay some of our local growers to grow a quantity of this useful flower. It is very easy to handle and grow. Spring struck plants, kept from flowering, can be planted on the bench in September, in a house suitable for carnations, and will bloom profusely all winter.

The worst blizzard of the season struck this city April 30. Luckily the temperature did not go below the freezing point, but the snowfall was six inches. Great damage was done to the electric light and telephone wires. We have not learned of any damage being done to any glass in this vicinity.

Alfred Vick of Mt. Carmel, Conn., died April 28 and was buried April 30. Mr. Vick was the elder brother of Edward H. and Fred W. Vick, of this city.

F. W.

LAWRENCE, KANS.—C. M. & S. E. Luther report Easter business good.

Louisiana Red Cypress

"THE WOOD THAT WON'T ROT."

There is a test which every florist can make on his greenhouse and hotbed material, i. e., the test of **Durability.**

Try Cypress, the wood that has been tested.

IT IS THE MOST DURABLE WOOD KNOWN. Ask about it at your local lumber yard or write

LOUISIANA RED CYPRESS CO. HIBERNIA BUILDING, **New Orleans, La.**

The Allied Trades

Descriptive particulars—with drawings or photographs, if possible—of any new apparatus or device which may prove helpful to the trade are solicited for this department.

Tile Benches.

There seems to be much interest shown by growers all over the country in some permanent bench material to take the place of wood. It is evident that a permanent bench that can be easily put up is what is called for. Tile bottom floors used on various kinds of frame work have been used successfully for years and I want to state, through the columns of the AMERICAN FLORIST, my experience with tile bottoms. I am using tile, replacing the wooden bottoms as fast as they rot out. The tile I use is specially made for the floor or bottom. It is two inches thick, 12 inches wide and two feet long. I secure this tile and split it myself, and support the same on a wooden frame of 2x6. At the joints of the tile I run a coat of mortar to keep the drip off of the wooden support. The tile make a nice level surface. The drainage is perfect and my plants are very thrifty.

Tile has been known or acknowledged for years as one of the best materials for growing plants on. I have just been shown a circular issued by the Camp Conduit Co., an Ohio firm, showing a tile for the floor the same as I am now using, but I note that they also make a tile post and cross support upon which they place the bottom or floor tile. Judging from the experience I have had in splitting and setting the floor tile, I am quite certain that its claim that two ordinary skilled common laborers can erect from 700 to 1,000 square feet of bench, including the splitting of the floor tile, in a day, is correct. Even though it should take a little longer, yet the cost of erecting the bench is so low that the bench should meet with great favor among growers. These people say they will be glad to send a circular to anyone interested, or give them any information about tile construction.

I have noticed a few articles recently on cement bench construction, but from what I can learn it is rather expensive, and it is hard to secure the proper drainage. There is also objection to the one-piece bench on account of not being able to make any changes after the bench is once in place. I am very much interested in any article on the bench subject, and I hope that there may be a general discussion.

EDMUND SCHWERDTFEGER.

THE FOLEY MFG. CO.

CHICAGO.

Completely Equipped with Up-To-Date Machinery for the MAKING OF MATERIAL FOR

GREENHOUSE CONSTRUCTION

FROM A FULL SUPPLY OF THOROUGHLY SEASONED LUMBER.

Send your sketches to our draughtsmen for completion and suggestion. Permit us to figure your proposed work large or small. **We Guarantee Our Prices Will Save You Money.**

Foley Ventilating Apparatus is the Best.

Is simple in erecting. Is easiest of operation. It will last a life-time. Its price is the lowest. Will ventilate any size house. Prices and circulars on application.

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LUMBER

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We are in special position to furnish **"PECKY" CYPRESS;** everything in **PINE** and **HEMLOCK BUILDING LUMBER.** WRITE FOR PRICES.

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U-BAR GREENHOUSES

ARE THE IDEAL HOUSES FOR PRIVATE ESTATES, PARKS, INSTITUTIONS AND FLORISTS' SHOWROOMS.

PIERSON U-BAR COMPANY

Send for catalog. 1 MADISON AVE. NEW YORK

INDIANAPOLIS, IND.—Notice of change of name from the B. K. & B. Floral Co., to Chas. Knopf Floral Co., was given in Wayne circuit court April 22.

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXX. CHICAGO AND NEW YORK, MAY 16, 1908. No. 1041

THE AMERICAN FLORIST

TWENTY-THIRD YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—FRANK H. TRAENDLY, New York, Pres.; W. N. RUDD, Morgan Park, Ill., Secy.; H. B. BEATTY, Pittsburg, Pa., Treas. Next meeting at Niagara Falls, N. Y., August, 1908.

THE NATIONAL FLOWER SHOW.

CHICAGO, November 6-15, 1908.

Wm. F. Kasting, Buffalo, N. Y., is chairman of The general committee in charge. Chairmen of Sub-committees follow:

EXECUTIVE AND FINANCE—Wm. F. Kasting, Buffalo, N. Y.
AMERICAN EXHIBITS—Ph. Breitmeyer, Detroit.
FOREIGN EXHIBITS—E. G. Hill, Richmond, Ind.
PREMIUM LIST—W. N. Rudd, Morgan Park, Ill.
ADVERTISING AND PUBLICITY—J. H. Burdett, 1411 First Nat'l Bank Bldg., Chicago.
LOCAL MANAGEMENT, PRIVILEGES AND CONSESSIONS—J. C. Vaughan, Chicago.
SPECIAL FEATURES—Otto G. Koenig, 6471 Florisant Ave., St. Louis, Mo.
RECEPTION—Aug. Poehlmann, Morton Grove, Ill.
AUDITING—J. A. Valentine, Denver, Colo.
TREASURER—I. C. Bertermann, Indianapolis, Ind.

The above chairmen have power to select their Various committees from the general committee of 50 or the members of the S. A. F. at large.

THE AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Annual convention at the twin cities, St Paul and Minneapolis, Minn., August 11-14, 1908. JOHN F. COWELL, Buffalo, N. Y., president: F. L. MULFORD, Harrisburg, Pa., secretary-treasurer.

AMERICAN PEONY SOCIETY.

Fourth annual meeting at Ithaca, N. Y., June 1908. C. W. WARD, Queens, N. Y., Pres.; A. H. FEWKES, Newton Highlands, Mass., Sec'y.

SECRETARY FEWKES of the American Peony Society advises us that the date of the annual meeting and exhibition at Ithaca, N. Y., depends upon weather conditions there and that so far no date has been decided upon.

SUGGESTIONS FOR PLANT GROWERS.

Fuchsias.

These should be placed in their flowering pots now, and as they make a considerable amount of growth between now and flowering time, a fairly large shift should be allowed. Young plants in 3-inch pots should be given 6-inch or 7-inch pots and a substantial compost, to which may be added a good proportion of horn shavings, bone dust or some lasting fertilizer. From now on is is impossible to keep fuchsias too cool in the ordinary greenhouse, and only the lightest of shading should be given just to keep the foliage from being injured. Pot firmly and, when staging the plants give them ample room, as they will grow rapidly. The most desirable form for a fuchsia is the pryamidal, which most varieties assume naturally if allowed to do so, but this is a matter for the individual grower to consider. If he has a call for plants in bush form, then these must be pinched regularly until this is attained. For the pyramid it is only necessary to keep the plants growing in a good light and pinch out the flowers as they form until about six weeks before they are needed in flower. Water freely when the roots are working well and keep an eye lifting for white fly.

Caladiums.

To bring out the fine coloring of the fancy-leaved caladiums to the full a light house and almost full exposure to the sun is needed. The development of the leaves is checked by inferior root action or lack of moisture in the atmosphere and allowing the flowers to develop and form seed is also against them. The ideal cultural atmosphere is one where the strongest rays of the sun are broken up by an open lath blind and where plenty of moisture is held in solution, thus doing away with the necessity of spraying or syringing. The sun ensures a brisk buoyant temperature and sufficient fire heat at night to prevent the temperature dropping below 60° should be allowed. A lot of moisture is needed by the roots to keep the large showy leaves in good condition and feeding is also necessary for, unlike many foliage plants, the best varieties of caladiums must have considerable manurial support to bring out their exquisite coloring. This high, intensive culture is best for exhibition plants and without it success is, to say the least, doubtful, but small plants good enough for the ordinary market or decorative purposes can be had by giving less room in the pots and feeding less. Although such plants will not produce such fine, handsome leaves, yet the foliage they do carry will be harder and better able to stand the vicissitudes of shipping and being kept about in retailers' windows. Quite nice little specimens may be produced in 5-inch pots or even less and, during the summer months, when flowering plants are scarce, they are extremely useful. Never let the flowers form or the growth of the foliage is checked.

Chrysanthemums.

The earliest struck cuttings for pot chrysanthemums will have been potted up and they must be kept growing gently in a cool light frame on a bottom of ashes or similar material. This class of stock must be potted firmly to induce a solid growth and the plants should be pinched when about three inches high to produce the requisite number of breaks. More cuttings may be inserted of suitable varieties and these should have the points pinched out directly they are rooted and be potted into the 2-inch size. Practically outdoor conditions are needed as soon as the plants are potted, though they must be protected from frost. Every few weeks the plants must be sorted over and given a fresh stand. If they have the soil cased over on the surface let this be loosened up to admit air, and if they are rooting through the bottom it is a sign they need repotting. At this second potting the plants must be stood on tile or some other hard substance that they cannot root into. Plants potted early for standards will probably in many cases have reached the desired height. When they have, pinch out the point and young shoots will soon be produced to form the heads. Old plants to be trained flat must be shaken out and repotted, using a size smaller pot and giving the best compost obtainable.

Select the requisite number of shoots and bend them in the required direction, tying these down to stakes when they are sufficiently strong. A plant protector or outside, where covering material may be thrown over at night if necessary, is the best place for all these plants now, as it is important to keep the growth hard and vigorous from the start. Watch closely for green fly and if any is seen in the points of the shoots dust a little tobacco powder in them to keep it in check. Avoid overwatering, as this causes a yellow tinge to the leaves and such leaves drop later, while it is advisable for pot plants to maintain the foliage in good condition right to the bottom.

Begonia Gloire De Lorranie.

The young plants will not in some cases be growing very rapidly as yet, but do all that is possible to keep them on the move by breaking the crust that forms on the surface of the soil, and thus admit plenty of air to the roots. Plants from leaf cuttings grow more shapely than those raised from stems, but, if due care is taken in pinching later, cuttings may yet be struck and will make nice little stock for Christmas. Keep them going all the time with a gentle heat and abundant atmospheric moisture. The young stock that is growing freely now in the smallest sized pots may be given a shift into pots only slightly larger, removing practically all of the old soil and giving light sandy compost. Keep the strongest and best rooted specimens by themselves, as they will grow more rapidly than the weaker stock and need more water. Maintain a brisk growing temperature and shade the plants from bright sunlight. As soon as possible put the old plants into shape a little, removing weak and soft shoots, and repot, shaking away a good deal of the old soil and placing them in pots a size smaller than they have been growing in to be again shifted into their flowering pots later.

Rubber Plants.

Where there are large old stock plants of Ficus elastica or F. pandurata, good specimens can be quickly produced by ringing and mossing the growing points, now. The plants may be taken off of various sizes from five to eight good leaves being the handiest. Wherever it is decided to take the plant off, ring the bark completely around, taking a ring about half an inch or less. Have some sand and sphagnum moss ready and tie moderately firm all around about two inches above and below the point of ringing and about two inches thick. Keep this constantly moist by syringing daily, or otherwise. If allowed to get dry the plants, even if they root, will likely lose their foliage later, but if the moss is kept always wet from the start practically every one will root and root quickly. When the young growing points of the roots can be seen through the moss the plants may be cut off and potted into 3-inch or 4-inch pots and kept rather close and moist until well established. While propagation in very large numbers cannot be carried on this way, yet a few old plants will produce quite a number of good useful young ones and if such are not grown it will pay to plant out a few in some bench or corner where they may be left undisturbed.

The Great Ghent Quinquennial Exposition.

The famous Societe d'Agriculture et de Botanique de Gand has just celebrated its one hundredth year of existence by holding one of the very finest of its shows in the great casino at Ghent. The show was formally opened April 25 by King Leopold, who examined the exhibits for two or three hours and conversed with some of the leading horticulturists of the day. The preceding week, however, had been one of hard work for the officials and exhibitors, as the wretchedly cold and boisterous weather impeded

The Great Ghent Quinquennial Exposition.
Monument of Comte Oswald De Kerchove.

not only the progress of the staging and arrangement, but was also responsible for the backward state of some of the flowering trees, shrubs and bulbous plants. There were 760 classes in the schedule and nearly every one of them found an exhibitor, so that one may form some idea of the magnitude of the undertaking that confronted the 200 judges who conducted their labors in 32 sections on the Friday preceding the opening.

The illustration (Fig. 1) shows the great casino, seen from the garden as it appeared some time ago before the lake was filled in. The interior of the annex was arranged with much art and care to produce the excellent landscape effect shown in Fig. 3. There was only one shadow over the exhibition and that was the absence of the revered Comte de Kerchove de Denterghem, whose name and personality have been associated with the great Ghent quinquennials for so many years past. A man of gigantic proportions, keen intellect and unbounded love of horticulture, his death a year or two ago came as a great blow not only to the Belgian horticulturist but to the whole of horticultural Europe. His memory, however, will always be green and visitors to Ghent in future will recall his services to horticulture when they glance at the magnificent statue and monument that has been erected in his honor close to the railway station in the Place du Comte de Flandres. This monument is well shown in the accompanying illustration.

Another interesting feature of the centenary exhibition was a replica in the grand annex of the first exhibition and the building in which it was held 100 years ago. "In Frascati," the sign over the door, was about 35 feet long and less than 20 feet wide, and contained specimens of plants that were shown on the first occasion, as well as a refreshment bar, a charcoal brazier for pipe lights, the original medals granted to prize winners and other curiosities. The exhibition now covers three or four acres of ground, so that one may safely say that Belgian horticulture has made immense strides during the past 100 years.

Coming to the exhibits the first thing that strikes one is the excellent style and arrangement of the various groups. Effect, effect—that seems to be the great thing, and anything like the inartistic staging one is accustomed to see at many English shows is nowhere to be seen. Not that the plants or specimens are better grown by any means, but the way in which they are displayed appears to make otherwise ordinary specimens of good culture appear to be monuments of the gardener's skill. New Holland plants were made to set off the sloping, moss-covered foreground to a panorama of mountain scenery painted on canvas at the back. The plants themselves were nothing remarkable, only the skill with which they were presented to the public. Fig. 3 gives a view of magnificent specimen azaleas arranged apparently in an endless vista—an effect caused by another panoramic painting at the extreme end of the annex. This extreme end is very natural and anyone who had not actually seen the show would easily imagine the horse chestnuts, lake, poplars, sloping banks and winding walks to be a reality. Yet one can scarcely distinguish that the canvas started from the front edge of the sloping bank.

Taking the exhibition as a whole, the most striking groups of plants were azaleas, crotons, palms, cycads, pandanus, anthuriums, hippeastrums, orchids, and New Holland plants. The azaleas (Fig. 4) were simply superb specimens such as can only be produced in Belgian gardens. Many of them were from four feet to six feet across and so literally smothered in blossom that the leaves were completely hidden from view. Crotons were present in magnificent array—huge pyramidal or bushy specimens that must have taken years to grow. Without their brilliant colors the great hall would have looked dull indeed. And banking them up as a background came the palms, cycads and pandanus, while in great glowing groups in the center were splendid specimens of Anthurium Scherzerianum in numerous varieties and A. Andreanum with large spathes of crimson or cream.

From England the two most remarkable collections of plants came from Capt. Holford, the well-known Gloucestershire amateur, and Messrs. Ker, nurserymen of Liverpool. Capt. Holford staged a magnificent collection of about 300 orchids in great variety, which attracted universal attention owing to the excellent way in which they had been arranged, and because every plant was a specimen of the very best cultivation. In addition to the orchids Capt. Holford also had a splendid group of hippeastrums

whose huge bulbs, fat scapes and large, well-shaped flowers bore ample testimony to the skill of his gardener. The hippeastrums shown by Messrs. Ker were equally magnificent and being shown in the competitive classes secured five first prizes, including a couple of gold medals. Hippeastrums are not yet popular plants on the continent, but they may become so after the displays from England.

Orchids generally were more extensively shown than we have seen them on previous occasions, and there is no doubt their culture is being extended considerably in Europe. Odontoglossums, cattleyas, lælias, miltonias, oncidiums and cypripediums were in great variety. The piece de resistance, however, amongst orchids—indeed, in the whole show, was the unique exhibit of M. Vuylsteke, of Loochristi, which consisted of 100 plants of the most magnificent varieties of spotted Odontoglossum crispum. The value of the exhibit was simply enormous, and £1,000 ($5,000) for some specimens was considered to be rather a low figure. Certainly the experts never had such a treat in their lives. It would be futile to describe the varieties in detail, but it may be said that as a rule the ground color was almost a pure white, and the blotches were large and either bright purple, maroon or chocolate and many clearly defined other shades for which names want finding.

Other groups worthy of mention were American carnations, shown for the first time, a few bromeliads, at one time so popular in Belgium, and a few groups of zonal pelargoniums, forced trees and shrubs, cinerarias, etc.

One must not forget the New Holland and Cape plants, of which there were some really fine examples. The acacias have done duty at the Ghent quinquennials on many previous occasions, but they are still as popular as ever, and one would regret the disappearance of their golden forms. A few heaths were evident—one, a very fine bush about eight feet high of E. caffra, being particularly noticeable, as it was beautifully flowered from base to apex. In the grounds were numerous exhibits of greenhouses, boilers, lights, frames, horticultural sundries, etc., while specimens of plant evolution and interbreeding, as well as plans of gardens, etc., were to be found in some of the corridors of the casino. On the whole, the exhibition, although singularly poor in really new plants, was the finest exhibition of horticultural skill that has ever been held in Ghent, and it will live in the memory of those who saw it for many years to come. W.

THE GREAT GHENT QUINQUENNIAL EXPOSITION.

Fig. 3—One of the Azalea Displays.

Society of American Florists.

THE QUESTION OF PLANT REGISTRATION.

So much matter has been published of late upon this subject, so much sharp criticism made, and so many have evidently failed to appreciate the purpose of plant registration that it seems desirable that the position of the society upon this point, as understood by its officers, should be made plain.

Many of the recent writers seem to confuse the registration of a name with a certificate of merit. The writer's idea of the matter is that the act of registry has to do mainly with the ownership of the name, and in this connection the value of the plant is of no importance.

The registry of a name is an announcement to the public that a certain person has selected that name for a variety of some class of plants, and equitably vests the ownership of that name in the person registering it, always provided that some other person has not previously selected the same name for a variety of plant of the same class. The value of the plant to which he proposes to apply the name does not enter into the proposition at all. The publication of an application for registry is notice to the public at large, and the main purpose of making such publication is to cause anyone having knowledge that the same name had previously been used for a variety of the same class of plants, to make that fact known.

The duplication of names, the writer ventures to assert, has been in ninety-nine cases out of one hundred, a matter of oversight or error and not an intentional deception, and while there have been many cases, since the society first started to register varieties, in which application has been made to register a name previously used for another plant of the same class, the writer does not believe that there has been a single instance in which, when the facts were brought out by the publication of the application, the duplicate name has not been promptly withdrawn and never subsequently made use of by the originator in any way. Everyone will recall numerous instances of this kind during the past few years.

We are not, of course, at this time discussing plant names from the point of euphony or utility. Setting this question aside, the only matters in which the horticulturist is interested regarding the name of a plant is, first, that it shall not be a name which has previously been applied to another variety of the same ciass; second, that it shall not be a new name applied to a plant which has previously been given another name. The present system of registry which should comprise a scrutiny of names previously registered by this society and a publication in all trade papers, followed by a publication in the annual report of the society, would seem to be about as far as it is feasible to go in guarding against the first error and has, the writer believes, proved very efficacious so far.

THE GREAT GHENT QUINQUENNIAL EXPOSITION.

Fig. 4.—In the Palace of Azaleas.

When the time comes that the society has ample funds at hand, has greenhouses of sufficient extent and growing grounds to supplement them, and has in its employ and under its control a corps of expert growers and plantsmen and a large collection of growing specimens, as well as a complete herbarium, it will then be in position to investigate matters pertaining to the identity of plants with a reasonable possibility of certainty in the results; but to undertake such investigations, attempt to do such work and assume to pronounce authoritatively upon such subjects now, will inevitably lead it into error; its work will be discredited and more harm will be done in the long run than any possible good which may be accomplished.

The publication of these applications for registry has brought cases of renaming to light in the past and will do so in the future. It is, of course, desirable and is the intent of the society to require full information as to the origin of plants for which registry application is made, and to require a reasonable description of the same, so there are not likely to be many cases in which a second use of the same name will escape the sharp eyes of the many shrewd plantsmen who read the trade papers.

While registry is made after waiting a reasonable interval subsequent to publication, yet there is nothing to prevent complaints being filed at a later date, and while the writer is inclined to think that a registry once made and entered must stand unless properly withdrawn, yet, in case of a proved error, in which the person making the registry refuses to withdraw it, it would be the duty of the secretary to make public in the press and to print in the annual volume in connection with the registry, a full statement of the facts.

It is accepted in all matters of plant naming that priority of publication establishes the name. Registry by the S. A. F. fixes and records the date at which each name is selected, provides a way to authoritatively settle disputes in subsequent years, and gives notice to all persons subsequently desiring to name plants of the same class, that the name in question has been used and is to be avoided.

The foregoing sets forth, as far as the writer understands it, the present intent of plant registry by this society. Further than this, under present conditions, it does not seem either feasible or desirable to go. The submission of all applications for registry to the nomenclature committee has been suggested. It might be well to state that the society at the present time has no nomenclature committee, and it would seem a matter of great difficulty to get a committee of this kind, which would have to consist of men of great knowledge and be provided with facilities for growing, comparing and testing varieties. It would seem, I repeat, a matter of great difficulty to get such a committee, who would undertake and carry out the vast amount of work which it has been suggested should be loaded upon its shoulders, as the members could be given no adequate compensation for their services.

Another question would be the long delay which would occur before any plant could be registered, and also the hostility of the introducers, which would surely follow any attempt to put burdensome restrictions upon them.

W. N. RUDD, Secy.

THE GREAT GHENT QUINQUENNIAL EXPOSITION.

Fig. 1.—The Casino from the Garden.

THE GREAT GHENT QUINQUENNIAL EXPOSITION.

Fig. 2—"In Frascati" Replica of Exhibition of 1808.

Forcing Tree Peonies.

In the long list of hardy plants there are few subjects that can compare with the Moutan peony as regards easy culture, and the manner in which it adapts itself to flowering in pots, says a correspondent of the Gardeners' Chronicle in its issue of May 2. I doubt if there is any other plant having flowers of equal beauty that can be had in bloom so early in the year by gentle forcing. Undoubtedly there is a great future before it for forcing purposes, and I see no reason why it cannot be retarded in a manner similar to that which proves successful in the case of many other hardy subjects. Some of our leading nurserymen offer them in pots at reasonable prices already prepared for early flowering, but by many growers their value in this direction is overlooked.

With generous treatment they will live for years, and keep increasing in size. I have had plants in 16-inch pots with 20 magnificent flowers open at one time, and these easily obtained early in February, the flowers being little less in size than those developed in the open; ample foliage appears before the flowers expand, thereby increasing the utility of the plant for decorative purposes.

Plants growing in the open may be lifted and gently forced, October and November being the best months for their transference to pots, and when potted they should be placed in a cool peach house. Plants, however, treated in this way seldom flower again for two seasons following. A temperature of 55° to 60° is necessary to flower them by the month of February.

Established plants may be brought into flower at the present time with little artificial heat, but a cold frame or cool house should be allotted them after flowering is over. By so doing a check is avoided, and flower-buds are formed early for the succeeding season's display. When the weather is warm, the plants should be placed outside and exposed to full sunshine.

PORTLAND, ORE.—Improvements at Halladay park are now under consideration and propagating houses are to be erected in Columbia park. Preparations for the rose festival are well advanced and this promises to be a great event.

Chicago Parks in Early May.

WASHINGTON PARK.

The principal attraction at Washington park, Chicago, just now is the flower garden in front of the large conservatories where there are 30,000 tulips in 22 of the best and showiest bedding varieties in full beauty. Thousands of visitors thronged this part of the park on Sunday last and were enthusiastic and loud in their praises of the excellent show put up. The frost of the previous night, according to E. Kanst, had taken a little of the color out of the flowers but they were very bright and beautiful even at that, the yellows, dark reds and pure whites being especially admired. The varieties have been well chosen to flower simultaneously and the show is certainly a gorgeous one, well set off by the deep green of the fresh young grass and the varied tints of the young foliage on the trees and shrubs around.

TULIP KEIZERSKROON, IN WASHINGTON PARK, CHICAGO.

In the conservatories there is a fine display of flowering plants while the palms and foliage plants in the rotundas look well. Among the showiest of the flowering plants is a fine batch of calceolarias in varied and good colors, well grown and flowered. There are also some excellent hydrangeas and still a fine lot of azaleas and cinerarias left. Coleuses are quite a feature in one of the connecting houses and here also the fine collection of succulent plants obtains a good deal of attention from visitors. The quaint looking old Bowiea volubilis, with its long twining stems is also interesting and a number of fine old plants of genista in the back are very showy now. Many other flowering plants are at their best and the display is a very bright and effective one. In a hasty look through the propagating houses we thought that the bedding and other stock never looked better. The geraniums are fine stocky plants in all leading varieties and just coming into fine flower. There is an immense stock of cannas, coleuses, alternantheras and the many other plants that are used in the large beds all in fine shape, while a batch of fuchsias, young vigorous plants, naturally grown, are considerably above the average. Ferns in great variety, palms and all the many fine foliage plants needed for the embellishment of the conservatories and various offices are coming along in grand style and the whole place is in excellent order.

LINCOLN PARK.

In Lincoln park there are many grand varieties of tulips used, but the varieties are not flowering simultaneously and this gives rather a patchy effect. That grand variety, Kiezerskroon, is in perfect condition and its fine appearance under such untoward weather conditions as we have had this season should render it very popular another season. King of the Yellows is a most telling color, finer than Yellow Prince, but slightly later. The old Vermilion Brilliant is in grand shape here, also La Reine (white), which is well displayed around the fountain in the center of the garden. Some large mixed beds are also very fine and the beds of Coleur Cardinal will be grand in a few days should the weather improve. This is a deep colored tulip of great promise. Other white varieties are White Swan and White Hawk, but they are too late for use with the other varieties noted. Some hyacinth beds nearer the conservatories are pretty, but the alterations have apparently thrown surface water here and the flowers are not as good as they otherwise would have been. Altogether about 50,000 bulbs were planted, and it is a great pity the weather has been so bad that visitors could not enjoy them as fully as in other years.

In the conservatories there is a bright and beautiful display of all the popular flowering plants, the splendid lot of pelargoniums being now in full beauty. Azaleas are still flowering freely, also the stellata forms of cineraria. Fuchsia syringæflora is among the out of the way plants seldom seen. It is flowering here freely in large loose heads of pinkish flowers, totally distinct from the florists' varieties. The ferns and palms are in fine shape, fresh and green looking, and the various ferneries are well arranged. Alois Frey is more careful than some others in naming his plants correctly, and the interest to the general public is greatly increased. Calceolarias are especially fine here, the plants large and well flowered, of various and good colors and an excellent strain. Among the stove plants there are fine specimen anthuriums and a nice variety of crotons, acalyphas, coleuses and various others. The whole are well arranged and decidedly worth a visit.

Easily first in the esteem of the general public are the orchids. Just now there is a varied and interesting lot of plants in flower and among those noted in a hurried look around were fine forms of Cattleya Mossiæ, C. Mendelii, C. Skinneri and Skinneri alba and the charming little C. citrina. The Mossiæs are good, well marked varieties and the plants finely flowered. Odontoglossum citrosmum is very well done and besides the type we noticed grand spikes of the variety roseum. The showy Lælia purpurata is in good order, also the quaint little Leptotes bicolor. To those interested in botanical species the singular Bulbophyllum barbigerum, with its almost lifelike flowers, always in motion, will appeal. It is perhaps the most singular and quaint in all this wonderful family of plants. The seldom seen Cyrtopodium Andersoni is in flower here also many fine dendrobes, including D. superbum.

TULIP COTTAGE MAID, IN WASHINGTON PARK, CHICAGO.

D. primulinum and several hybrids of the D. Vannerianum type. In the growing quarters the cattleyas look remarkably well, while the dendrobiums are making excellent roots and growth. We noticed a nice plant of the pure white variety of Coelgyne cristata flowering in the house devoted to this and the Mexican lælias. There is a grand lot of bedding and other stock coming on in the propagating houses, the geraniums looking exceptionally well, while ferns, foliage plants of all kinds and palms are in the best of condition.

ESTABLISHMENT OF A. N. PIERSON, CROMWELL, CONN.
No. 2 Range of 300,000 Square Feet.

WITH THE GROWERS

A. N. Pierson, Cromwell, Conn.

Connecticut has been called "the land of steady habits" and in the generally accepted meaning of that phrase, industry and thrift are synonymous with steady habits. The two ranges, comprising 700,000 square feet of glass, of A. N. Pierson, at Cromwell, are fine object lessons of study and intelligent effort, along the lines of commercial horticulture.

Though the illustrations, herewith shown, give an idea of the work being carried on, it was impossible to secure a photograph that adequately illustrates range No. 1, in which there are 400,000 square feet of glass, though it does show a sea of glass stretching away to both right and left. In No. 1 are located the palm houses, a very large area in roses and the rose grafting house; the forcing houses for lily of the valley and other stock and the bedding plant department. with a great variety of general stock. Here also are located the offices, such a business requiring commodious office room, and the cold storage plant, where the temperature is kept right by the automatic system, which starts the ammonia pump whenever the temperature rises to a certain point. A feature of the heating of this range is that there is both a steam and hot water system, which run parallel in all the houses. Both are operated in cold weather, with the usual adjustments to suit varying conditions. In the comparatively mild weather of spring the hot water is shut off and what heat is required is furnished by steam. At No. 1 range there are five hot water boilers and seven steam boilers, one of the latter furnishing power for the various machines about the place, and another being used as an economizer. A blower drives the smoke from the other furnaces through the economizer and the heat that would otherwise be lost is utilized and there is one less furnace to fire. Two other large blowers are used for forced draft on the furnaces; soft coal is burned and there is always an advance supply so large as to make the matter of a coal famine an impossibility. All the boilers are of large capacity, several being 150 h. p.

Leading features of the place at this date, May 7, are the great stocks of rose, chrysanthemum and bedding plants, from which daily shipments are made, and a large stock of plants coming on for Decoration day bloom. Houses that were filled with lilies are now in stocks, spireas, candytuft, etc. This stock will be succeeded by chrysanthemums, of which about 100,000 plants will be grown for flowers. It is estimated that a total of 450,000 chrysanthemums will be propagated by the close of the season. Last season 245,000 young chrysanthemums were sold, exclusive of those used for home planting. The rose grafting house is a very interesting feature of the range. One hundred and sixty-two thousand plants have been grafted this season, comprising, largely, Killarney, Bride, Bridesmaid and Richmond.

As must necessarily be the case in a range which is so successfully conducted, everything is vigorously pushed. Since Easter a rose house 40x400 feet, has been planted, with a fair proportion of the following varieties: White Killarney, Mrs. Jardine, My Maryland, Enchantress, Queen Beatrice and Mrs. Potter Palmer. White Killarney is well thought of and about 4,000 plants will be grown this season. Rhea Reid is also being planted. Of Killarney there are now on the place over 25,000 flowering plants, and of Bridesmaid there is one house alone that holds 5,000. There are four 300-foot houses of American Beauty and five 200-foot houses of Richmond. For lily of the valley, there is a 275-foot forcing house, of average width, and in the season when it is most in demand other space is utilized. The pips are forced on benches running the length of the house, and the average planting per day in the course of the year is 5,000 pips. Though great numbers of pips are imported and placed in cold storage there is also a home supply. On Mr. Pierson's large farm there is six or eight acres devoted to the culture of lily of the valley. There are successive spring plantings of the stock pips, each planting being given three years' growth, when they are dug in the fall and placed in cold storage. Some bloom is cut from this outdoor stock but that is merely incidental and not the main object.

Of the many interesting features of this place none is more noteworthy than the immense number of young plants that are successfully propagated, packed and shipped to all sections of the country, reaching their destinations with but a minimum of breakage and loss. Last year an order was filled for a well-known firm of Dallas, Tex., consisting of 15,000 grafted rose plants, and in the whole lot the breakage did not amount to 100 plants. In one day of this season there were shipments aggregating 32,000 coleuses and though that day was a record one, it illustrates the capacity for propagating and shipping stock. In the management of this great business Mr. Pierson is ably assisted by his son, Wallace Pierson. He has the personal supervision of range No. 2, which is located some distance from range No. 1, and has an area of 300,000 square feet. It is at this range that the chrysanthemums are propagated. There is also an extensive area in roses and carnations at range No. 2. Last year 170,000 carnation plants were propagated and 100,000

ESTABLISHMENT OF A. N. PIERSON, CROMWELL, CONN.
House of Coleuses.

were sold as young stock, leaving a surplus for home planting. Carnation, as well as rose planting, is now being pushed. Noteworthy items in this work are the planting of 15,000 Winsor and 10,000 White Perfection for home flowering. In range No. 2, in addition to the 17 houses 300 feet long and ranging in width from 18 to 40 feet, there is an asparagus house

ESTABLISHMENT OF A. N. PIERSON, CROMWELL, CONN.
Grafting House Showing Frames and Young Stock.

560 feet long and of average width, the string capacity for A. plumosus nanus being 22 feet. Great quantities of A. Sprengeri are also grown in this house.

At range No. 1 ferns are grown in variety. Adiantum Farleyense being very noticeable. It has been the aim in this sketch to deal with the stocks that are most extensively handled, but there are important features that have not been mentioned in detail. As will be seen from the illustration of the large palm house, there is a great stock of palms, all the leading commercial varieties being cultivated. Orchids, pandanus, Ficus elastica, F. pandurata and many other foliage and ornamental plants are grown. In a building near the heart of range No. 1 the offices are located, including the private office of Mr. Pierson. Four bookkeepers are employed and there is an order and a shipping clerk, with assistants. The packing, shipping and storage rooms are located in the same building. Concrete vats have recently been constructed for the cut flowers and by a simple, yet ingenious arrangement of perforated and bottomless jars, and pipes around the vats, fresh water constantly circulates about the stems of the cut stock.

Throughout the range, as fast as the necessity arises for new benches, they are being constructed of concrete and in repairing and refitting it is also being used wherever it will do the most good. At the present time the working force of the place consists of 200 persons. In this is included a number of mechanics, as there are machine, blacksmith and carpenter shops, and a sawmill, but little work going outside that can be conveniently handled on the place. About 50 neat cottages have from time to time been erected; as Cromwell is not a large town and as a matter of convenience for the help, it became practically a necessity to build comfortable dwelling houses. Going away from the roar and bustle of a great city, it was restful and refreshing to look on the green fields and noble shade trees of Cromwell, as well as its many handsome homes and grounds; but doubly interesting to those of us who are interested in flowers and plants is this great enterprise, which in a comparatively quiet and secluded spot, has been brought up to a high standard of perfection by the indomitable energy of a man still vigorous in mind and body.

Poehlmann Bros. Co., Morton Grove, Ill.

No addition to the glass structures was made at the great plant of Poehlmann Bros Co., at Morton Grove, Ill., last year, but a most imposing and useful structure, comprising under one roof offices, cut flower rooms, refrigerator plant, packing rooms and shed, was erected, which forms a fine finish to the A plant. We were especially interested in the cool room facilities. There are four rooms, each 18x20 feet. The inner or cooler structure is kept around 26° and here are stored the bulk of the stock of 600,000 lily of the valley pips which the firm handles to enable it to keep up its cut of 1,500 or so of flowers daily. The next room can also be kept at the same temperature if desired, or kept slightly warmer for the storage of cut flowers. The other two rooms are also used for cut flower storage and are excellently fitted for the purpose, the temperature being kept around 36° to 40° according to the flowers. The ice-machine is run by an electric motor, the power for which is generated on the place. A capital flat for the use of the foreman has been built on the upper floor, thus enabling him to live close to his work, a very important point.

The excellent stock grown on this place is so well known that one hardly needs to describe it. Everything is in the pink of condition, from the immense carnation range to the grand benches of roses and downwards. The American Beauty houses are just now very interesting. The cut was not particularly heavy at the time of our visit, but there were numbers of shoots just budding and hundreds of others coming on. The plants are remarkably clean and healthy and cutting will be very heavy within the next few weeks. The young stock in both plants is in excellent order. There are about 125,000 young American Beauty plants in the A plant in various stages, some just rooted, others in small pots and the earliest batches in 3-inch, but all equally healthy and promising in appearance. Add to this somewhere around half a million young carnations in all the best and most popular market varieties, besides chrysanthemums, apparently innumerable, and some idea of the extent of this firm's trade in young plants can be formed. The increase in this branch of the trade has been brought about by the policy of the firm, for only what is good enough to plant on its own benches is good enough for its customers.

The carnation range here has been frequently described and we have never seen it in better condition than now. Beacon and Victory grown side by side here formed an excellent opportunity to compare the two. As seen here Victory has slightly the advantage in color, but Beacon is more free. On one plant we counted the stubs from which 14 flowers had already been taken, and the plants, apparently, were not set any wider apart than those of Victory. Both are grand varieties without a doubt and will long be in the money making class. Toreador

ESTABLISHMENT OF A. N. PIERSON, CROMWELL, CONN.
Palm House 67x240 Feet.

looks like a glorified Prosperity, its flowers large and very showy. White Enchantress, White Perfection and other popular kinds, including some fine benches of Winsor, were also noted in the best of condition. Chrysanthemum propagation is being rapidly pushed, the stock plants and cuttings looking hard and full of vigor.

The Easter lilies are grand this time. Heavy cuts are being taken from L. multiflorum and there were very large lots of L. giganteum grown for Easter. A heavy shipping trade in pot plants is done here around Easter, special cases being made to carry 20 plants, and August Poehlmann says that L. giganteum is the best variety for this purpose. L. multiflorum showing a disposition to give way at the tips of the leaves. Besides those noted there are other large lots of plants just breaking through the soil as a constant succession of this flower is kept up here the year around. Poehlmann's lily of the valley is famous and looks remarkably well; it is grown in quantity in low narrow houses and a heavy cut is taken daily.

The roses at B plant are in grand shape, splendid growth being made on all the popular varieties. Cardinal is very fine here, large handsome flowers, of a pretty deep red, being produced on long stems with heavy deep green foliage. The plants are both one and two year-old and the older plants look even better than the young ones. Mrs. Potter Palmer is proving an excellent variety, its deep pink flowers being very popular. Richmond is grand here, so are Bride and Bridesmaid, bench after bench showing the same rude health and producing grand flowers and stems. It would be impossible to find a more even and excellent lot of roses than are here in this immense range of houses. There is not an insect to be seen, or a sign of mildew, while the great healthy shoots coming up from the base of the plants in all directions give promise of great things later. The young stock, both grafted and on its own roots, looks just as healthy and vigorous, and here again immense numbers are grown. We were much interested to note that compressed air is used to dislodge the old leaves from the plants, thus saving the labor of hand-picking or the danger of using the hose. The hose, in fact, is used but the water is first blown out of the system and the air is driven in, the ordinary water faucets being used. Another interesting point is "cooking" the manure here. Perforated steam pipes are laid in the chambers where the manure is thrown for steeping, this ensuring that all the fertilizing elements are well soaked out of it. This seeps through and screens itself as it falls into a large vat-like structure from which it is pumped to the houses as required. These are only a few of the interesting points about this splendidly equipped and up-to-date plant. A look around it is quite an education and each time we visit it we leave with more admiration for the excellent manner in which it is conducted.

LYNN, MASS.—A. B. Madison, a florist, left his coat in the dressing room at St. Stephen's church, and while he was absent for a short time somebody stole his gold watch and chain. The police are attempting to recover the stolen jewelry.

ORCHID NOTES.

THE yellow lycastes are frequently seen now, and these old-time favorites are worth attention.

SOME of the best growers of dendrobiums give the plants practically outdoor treatment in summer.

THE hybrid phaiuses, when they become sufficiently plentiful, should prove useful to cut flower growers.

The Most Useful of the Cattleyas.

Abstract of a paper read by Geo. McClure, Jr., at the Buffalo Florists' Club, May 10.

The cattleya is an American orchid found growing from Mexico to South Brazil. Nearly all of the labiate cattleyas are natives of northern South America, while the others are chiefly from south Brazil. The idea generally prevails that cattleyas, and in fact all orchids are difficult to cultivate. This idea is entirely without foundation, being induced by the common belief that there is something uncanny or mysterious about orchids. The cattleya, or orchid is a very natural plant and will respond to natural treatment as readily as most of our common plants. While it would be a mistake to say that the culture of a great many varieties in the same greenhouse would be easily accomplished, yet a little study and observation would enable any enthusiastic amateur to secure excellent results, with the well known cattleyas. Greenhouses specially built for cattleyas are not necessary; any light greenhouse, which is not too high, will prove suitable. The plants need not occupy valuable space on the benches, but may be suspended from the roofs of greenhouses devoted to a mixed collection of plants, where a temperature of from 60° to 65° is maintained, and in this way will prove an acceptable by-product.

HOUSES FOR CATTLEYAS.

If a greenhouse is to be built for the express purpose of raising cattleyas, it should be designed as low as possible. If the greenhouse is narrow and built to accommodate two stages, the direction at which it is built is of no consequence, but if the house is high, with three stages and two walks, it should, if possible, run north and south, so that both sides have the benefit of equal light in the winter, which is very essential. The central bench in a 3-bench house is usually broad and should be raised in the middle for economy of space. The rasing of the plants in the center stage would shade half of the plants in the winter, if the house ran east and west.

The matter of shading is an important one; with a small collection, in a small greenhouse, lath frames could be made about the size of hot bed sash, or just large enough to reach from the ridge of the house to the eaves. The rough laths of the plasterers could be used, if strict economy is desired; otherwise planed lumber would be more desirable, as it could be painted and be more sightly and durable. The laths should be spaced according to their width; there should be as much light as shadow. Laths wider than one and one-half inches should not be used. The

CATTLEYA TRIANÆ.

frames should be merely laid on the glass but not fixed to the house, as they should be removed in the evening and on all dull days. During the early spring when such a shade would be too heavy, a temporary shade may be secured by spraying the glass with a lime wash to which a little salt has been added. This shading can be easily removed with a hose, when the lath shading is to be used. No shade should be used in the dull winter months.

CULTURE.

The failure which so often attends the raising of cattleyas is nearly always due to ignorance of the conditions under which the plants grow in a state of nature. Every one knows that there is a wet and dry season in the tropics and many believe that the dry season is more rigorous than it really is. Although the rains cease, the condensing of the moisture in the humid atmosphere of the tropics, results in a heavy dew, which sustains plant life during the resting season. This condition is quite different from that of a greenhouse in the winter, where excessive firing dries up the atmospheric moisture and causes the pseudo-bulbs to shrivel and the plant to lose its vitality. The pseudo-bulbs should never be allowed to shrivel. Water should be given occasionally during the resting season and the plants should be syringed lightly on all bright days. The resting season of the cattleya begins after the flowering period, or after the growth is matured, at which time the temperature should be kept several degrees lower if possible.

COMPOST.

As a rule cattleyas should be repotted every two years, and topdressed every alternate year. The best material for this purpose is orchid peat or osmunda fiber, the roots of the royal fern. It is well to insist on getting young peat from the dealer. It should be of a brownish color. When the peat is old it is very wiry and black and is not suitable. No other potting material is needed for cattleyas. The majority of orchid raisers use a mixture of peat and sphagnum moss, but the moss soon decays and causes the roots to rot, especially when the watering is done in a careless manner.

Sphagnum may be used with peat when the latter is very old and wiry. The advantage in using peat is that it does not decay as rapidly as other materials. Before using the peat, it should be chopped with an axe or hay cutter. It should not be chopped very fine and the fine particles should not be thrown away, but should be mixed with the rough, open parts of the peat.

POTTING AND TOPDRESSING.

Although cattleyas are strictly epiphytic in a state of nature, yet, under cultivation, they grow better in pots than on either blocks or baskets. Baskets are useful and are preferred by some, but the system of mounting cattleyas on blocks or cork bark is very injurious and will ultimately kill the plants. No matter how strong the plants may have been, nor how well they may have succeeded for the first year or two, they will soon dwindle away and die. Mount the plants in half pots, or what are known as azalea pots. Make the hole in the bottom at least twice as large as the potter has made it and cover it with one large crock, no more. The old system of using a high pot and filling it up with small crocks merely furnishes a safe retreat for cockroaches, snails and woodlice, the principle enemies of cattleyas. Set the stems of the plants well above the rim of the pot, and ram the peat firmly around the roots. Test the firmness of the potting by holding the potted plant up by the leaves. It should not disturb the plant. The potting should take place just before the new growth commences, and while the roots are fairly dry. After the plants have been potted, water should be withheld for several days in order to allow the injured roots to heal. Water sparingly at first. In topdressing the plants, remove as much of the old peat as possible without injuring the roots, and work a good coating of finely chopped peat over the surface.

FERTILIZERS.

Manurial fertilizers for cattleyas should be studiously avoided, especially when sphagnum moss has been used with the potting material, as it causes too rapid decomposition, with the consequent decay of roots. However, with the system here advocated it is well to use what is known as the Cookson formula, which is as follows: Three ounces potassium nitrate; two ounces ammoniam phosphate, dissolved in three gallons of water. Use one liquid ounce of this solution to every gallon of water applied. If this fertilizer is used once each week during the growing season, the plants will be much benefited.

CATTLEYA LABIATA.

THE BEST KINDS FOR SUCCESSION.

By a careful selection of species and varieties a constant succession of bloom may be maintained. The excellent lasting qualities of the cattleya blooms enable one species to remain in bloom until another begins. The first to bloom is C. Trianæ and its varieties. It is a native of the United States of Columbia and is pre-eminently the best in the genus. It has many distinct varieties, which range from pure white to rose purple. C. Trianæ begins to bloom in early January and lasts until March. C. Schroederæ, which resembles C. Trianæ in size of bloom and habit of growth, is sometimes referred to as a variety of C. Trianæ. It is lighter in color than C. Trianæ and blooms a little later. It is also a native of the United States of Columbia and is invaluable, as it is the only cattleya obtainable in quantity to succeed C. Trianæ in time of flowering. It blooms from March to April.

The next cattleya of importance in the order of flowering is C. Mossiæ, a Venezuelan species, which is in its prime from April to May. It is a very prolific bloomer and for this reason it does not last long in cultivation, but with ordinary treatment it will last long enough to amply repay all care and expenditure.

C. maxima, a very distinct plant from Ecuador, blooms at various times during the winter months. Its lilac flowers and lip, lined with purple, are very freely produced. It is of easy culture and should find a place in every collection.

C. Mendelii blooms from the end of April to early June and is an excellent orchid, though seldom offered in quantity.

C. Warneri, a fine species from south Brazil, blooms during May and June. This species has been called a geographical form of C. labiata, as it is almost identical in color and markings. It differs only in time of flowering, as C. labiata blooms in the fall.

C. citrina, which also blooms during May and June, is a most distinct cattleya, commonly called the tulip orchid from the fact that its three petals, which form the outer envelope of the flower, and the two petals which form part of the second series of three, never open as fully as they do in the other cattleyas, and in this way they resemble yellow tulips. The flowers are lemon yellow and the crest of the lip is white. It has a

strong odor of citron, hence the specific name. The whole plant has a pendant habit and can never be raised any other way. Its foliage and pseudo-bulbs are glaucous. It is a native of the high altitudes of Mexico and it cannot be raised with a high degree of success except in a cool house. The price of this interesting orchid is very low and one or two plants can be raised in the coldest part of the cattleya house during the winter, and hung under a tree in a moist place during the summer. In this way it may be kept in health for several years. The fleshy flowers last a long time and one blossom will perfume an entire greenhouse.

During the months of June and July a number of fine cattleyas bloom. One of the best of these is C. Warscewiczii, (gigas) and its variety Sanderiana. It is a native of Venezuela, and produces more flowers to the spike than any other of the large lipped cattleyas. The flowers are large and beautifully marked. It is easily recognized by the two yellow eyes or blotches at the base of the labellum. This species should have a very decided period of rest in order to produce flowers in quantity.

CATTLEYA PERCIVALIANA.

C. Hardyana, one of the most valuable of the cattleyas, also blooms during June and July. It is a natural hybrid between C. Warscewiczii Sanderiana and C. Dowiana aurea, and is of course found in the same localities as the parents, but in limited quantities, and for this reason and its beauty it is highly prized.

Another fine cattleya, which blooms during June and July, is C. Dowiana and its variety aurea. The species is from Costa Rica and the variety is from the United States of Columbia and it usually blooms a little later than the species. The two forms are very much alike. The petals and sepals are nankeen yellow, and the lip is very large, crimson purple and beautifully lined with gold. They are more expensive than most of the cattleyas, but furnish a pleasing break to the prevailing pink and purple shades of the other species. They may be grown in the coolest part of the East Indian house or possibly in the warmest corner of the cattleya house, as they require a higher temperature than the other cattleyas.

A very fine cattleya from Guatemala, C. Skinneri, appears in June and July and sometimes a little earlier. Its purple flowers are produced in great abundance, and as the plant is very cheap and beautiful, it is a welcome addition to every collection.

Another cattleya of the two-leaved section blooming during June and July, is C. Schilleriana. It is a little gem from south Brazil. Its flowers are fleshy and lasting, and are of a dull purplish hue, with a little pink in the lip.

C. Eldorado is a beautiful Brazilian species and, as its name suggests, has considerable yellow in the lip. It blooms during July and August.

One of the cattleyas of the first rank blooms during August and September, C. Gaskelliana, and it is from Venezuela. Its petals are narrower than most of the large-flowered cattleyas, but its lip is large and beautiful. It might be called the best summer flowering cattleya.

During these months, August and September, C. granulosa also blooms. It is a Guatemalan species, and is very distinct; its fleshy flowers are characteristic of the two-leaved section to which it belongs. Its lip is very striking, white with small purple papillæ. Its sepals and petals are yellowish green and the flowers remain in good condition for over one month.

In October the well known C. Loddigesii and its variety Harrisoniana appear. They are almost alike, belong to the two-leaved class and are natives of Brazil. Their pink and white flowers are borne on rather long spikes, and they are among the best of their class.

During the months of October and November, two of the finest cattleyas make their appearance, C. labiata and C. Bowringeana. These two are found in every collection. C. labiata is the type of the labiate or large lipped group, and C. Bowringeana might be taken as the type of the two-leaved group, as it is commoner than any other of the small flowered species.

C. labiata, one of the best of the cattleyas, begins to bloom in October and continues during November. It is of easy culture and can be obtained in large quantities at very low prices. It is a native of Brazil, and is sometimes sold under the name of C. labiata vera to distinguish it from others of the labiate class, of which it is the type.

C. Bowringeana is a native of Honduras and much resembles the Guatemalan species, C. Skinneri, already mentioned. Its flowers are rose purple, with a lighter throat, and many are produced on each spike. It is perhaps the best of the two-leaved class.

The cattleya house during the last month of the year is made bright by one of the most beautiful of all cattleyas, C. Percivaliana. Its flowers are a little smaller than the other species of the labiate section, but its extremely beautiful lip more than makes up for this slight disadvantage.

Phlox Drummondi.

The brilliantly-colored varieties of Phlox Drummondi may be said to have taken the place of the verbena in the flower garden, says The Gardeners' Magazine, though even now they are probably less commonly grown than almost any of the well-known bedding annuals. The reason for this lack of popularity is probably not far to seek, for they want the best possible cultivation if they are to be really a success, thin, weedy, straggling plants—the result of letting them take their chance with other annuals—giving no satisfaction whatever. I once heard someone remark that Shirley poppies would grow on a dust-heap, a remark which was verbally true, though no experienced grower would be satisfied with the result. So with Phlox Drummondi. Few annuals give a greater variety of brilliant colors, salmon-rose, pink, deep crimson, bright scarlet, violet, yellow, blush white, pure white, etc., while some have dark eyes, some white, and some none at all.

Though a somewhat fragile plant, even when well grown, it is not nearly so much injured by summer storms as many of the summer flowers are, and, though it may be beaten down, and the blossoms splashed with mud, yet it soon recovers, and, given a renewal of bright weather, and a judicious watering to clean the flowers and foliage, it will show little trace of the rough treatment it has received after a few days. Some sorts grow only six inches in height, while others grow a foot or more, and lend themselves to very effective table decoration if suitably arranged, an operation which calls for a good deal of judgment.

These phloxes are only half-hardy annuals, and should be treated accordingly. To get them in bloom before the summer is too far advanced—and lateness of coming into flower is rather a drawback with many of the bedding annuals—they should be sown in gentle heat in light, rich soil in March, pricked off in boxes as soon as they are large enough to handle, and kept in a moderately cool house. If one has not a house at one's disposal, or cannot spare room, they may be sown in a cold frame at the end of March, and treated in the same way. In either case they should never be allowed to become stunted, either in the seed pan, or after being pricked out, for they never recover from it. The essential principle is to keep them growing straight on under the best conditions from the time the seedlings are up until they are put in their summer quarters. They should be hardened off gradually, not being set in full sunshine outdoors until their foliage has become thoroughly inured to the dry air. It is recommended to pinch out the central shoot when the plants are three or four inches high to induce a bushy growth and prolong the flowering season.

NASHVILLE, ILL.— Horticulturists of this county who have been puzzled at the damage inflicted on orchards in this vicinity recently have had the matter explained by Colonel J. W. Stanton of Richview, treasurer of the State Horticultural Society, says the Decatur Herald. Foliage and embryonic fruit were killed and appeared as if nipped by a heavy frost or intense heat. Colonel Stanton says that southern Illinois has been struck by the fag end of the storms from the southwest and that this damage was caused by electric currents, borne in the winds against the trees.

THE RETAIL TRADE

With the Chicago Retailers.

There was a decided slump in business just after Easter and all felt it more or less, but this has passed with the majority of the better class retailers, who are now doing a nice business. There is plenty of stock of a varied order and the prices are low with the exception of good carnations, which on some days have been quite firm. Peonies are a great help to retailers now and though possibly some of the earlier southern stock has not been quite first rate there are some very nice flowers to be had. Despite the dismal prophecies of some wholesalers as to the prospects we see no reason why the local grown peonies should not be good. The frosts so far have not interfered with their development and the comparatively cold weather has rendered the growth hard, so, unless something untoward happens, they should be at least as good as usual.

Cape jasmines are selling well and their low price causes surprise to many customers who confuse them with the gardenias from under glass that they have been paying more money for. They are a great help in making up cheap boxes and in decorations where a quantity of flowers is called for. Good yellow flowers are not overplentiful, as the bulb stock from under glass is getting over and daffodils outside have been rather badly battered by the recent storms. Gladioli are coming in fine and there is still a large number of good roses to be had. Funeral work is moving briskly and we hear from several retailers of good orders booked for coming weddings. Plant trade is still brisk, especially in the moderately good flowering stock. There are fine rhododendrons, hydrangeas and ferns shown and these move freely at good prices. One prominent retailer said that he finds an increasing demand as the season goes on for really good stock and that his customers seem not to mind what they pay provided they get what they want. Unfortunately this is not the case everywhere and some are complaining that patrons, being educated by some of the cheap and nasty business methods of department stores and street corner barkers, take a good deal of pleasing. Still, there is a good, bustling activity in the stores on fine days that augurs well and some of the kickers are apt to forget the bad effect that the miserable weather of the first weeks in May had on trade.

While nothing especially striking is being shown there are a few things worthy of note. The Eaton Flower Shop is displaying excellent plants and we saw here the finest gladioli of the season so far, also some splendid violets for so late in the season. The ferns are wonderfully fresh and healthy looking and Charles Balluff, as usual, has excellent displays in his windows. A. Lange is reaping the benefit of treating his customers well in regard to his $1 boxes of flowers. His two stores when we called were crowded and the window in the permanent store was finely decorated. Fleischman is showing grand hydrangeas and some noble pyramid and standard boys adorn this fine store. Harry Rowe has some excellent flowers shown in fine china vases of openwork pattern and is busy with funeral and wedding orders. John Mangel is showing good orchids and other first class cut flower stock and plants. At Hauswirth's fine plants in variety are shown as well as all the best stock in cut flowers. Gardenia plants are a specialty here and are used for cutting from as well.

HOUSE OF LILY OF THE VALLEY AT H. N. BRUNS', CHICAGO.

To Be Done Now.

IN THE GREENHOUSES.

Look out for red spider in American Beauty rose and take measures to destroy it at once.

Keep the young fuchsias regularly pinched and do not allow them to flower yet.

Keep seedling and other dahlias in a good clear light and allow plenty of air to prepare them for planting later.

Feed and water the old carnation benches freely now as they are probably quite full of roots and soon dry out.

Keep after the violet propagation until finished and do not allow the plants to lie about after being prepared.

Spray the young smilax regularly and keep insects in check and let it make a good bottom before starting up the strings.

Good winter flowering geraniums may be produced from cuttings rooted now.

Keep Phœnix Rœbelenii and similar palms away from the walks where they are constantly being rubbed by passers by.

Avoid feeding herbaceous calceolarias heavily while in flower.

IN THE STORE.

American Beauty roses and lilac sounds a peculiar mixture but they are very telling in funeral work.

The beautiful rambler rose, Lady Gay, makes a grand show in a colored straw basket of the same tint as its flowers.

Artificial green is best now for very sunny windows, but it must be good.

White lilac and pale mauve rhododendrons were recently noted used together and they made a fine combination.

Avoid showy and heavily flowered vases or flower pots, plain green or dull colored ones look much better.

A striking contrast is all right in ribbons and plants but a poor match in the same color is bad.

OUTDOORS.

Finish up all hardy herbaceous stock planting and pot up seedling stock at once.

Protect the young leaves and growths of the eremuri or the appearance of the plants will be spoilt.

Set out seedling plants of Brussels sprouts, cauliflower and late cabbage.

Fine stock of pentstemons and phloxes for next year may be produced by striking the young shoots now appearing and a little thinning will not harm the plants.

Thin out seedling poppies, cornflowers and other hardy annuals before they get too thick and crowd each other.

Look carefully after the asters for water if dry weather sets in and also for cutworms that are very destructive to newly planted stock.

Have protective material of all kinds ready to hand to guard against sudden severe frosts.

OBITUARY.

August L. Ehrle.

We regret to have to report the death of August L. Ehrle, at Carlstadt, N. J., April 28. Mr. Ehrle had been employed by the Julius Roehrs Co., Rutherford, in the orchid department, for 12 years. Beginning when only a boy, the love of orchids grew upon him, until these charming flowers became a part of his existence. Mr. Ehrle contracted a severe cold in his throat 12 months ago, which caused his untimely death. Being of a genial nature he was loved by all who knew him. He was 26 years old. He leaves a wife, who has the sympathy of all his friends. A.

Thomas Green.

Thomas Green, 87 years old, for 31 years a resident of Joplin, Mo., died at his home, 2127 Ivy street, at 12:45 p. m. May 3. For years Mr. Green owned the only florist establishment in Joplin, on the corner of Third street and Byers avenue. The greenhouse has since been razed.

He was born in Manchester, England, in 1821, and received his education in that country. In 1867, following the close of the civil war, he came to the United States. Shortly before coming to America Mr. Green married Miss Caroline Hathaway Taylor, on the Isle of Man. Miss Taylor was a relative of Shakespeare's wife and a relative of Benjamin Hathaway. Ten years later he came to Joplin. In the early pioneer days he purchased property in what is now the western residence district of Joplin. A few years later he started his flower gardens, and as these prospered opened a greenhouse, where he raised early vegetables. Before many years had passed the glass houses extended over the entire half block between Second and Third streets on Byers avenue. Here Mr. Green lived until five years ago, when he sold the establishment and erected a home in South Joplin. His first wife died about 10 years ago. He married a second time, and this wife, who survives him, was Mrs. Eliza Lillison of Eldorado Springs, Mo.

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GRANITE chippings are said to cause high color in flowers if used in pots or borders.

NEW YORK papers are noting the fact (?) that geraniums are suffering a lack of popularity, their place being taken by hyacinths.

THE idea of "honoring the best mother that ever lived—your own," by wearing a white carnation was the occasion of a large number of these being sold, May 10, at Pittsburg.

DAHLIAS continue growing in popularity.

SEVERE FROST may occur in the middle west as late as May 25.

LATH HOUSES are gaining favor for the growth of many plants during the summer months.

SURPLUSES of bedding stock should be offered promptly, as some kinds are running short now.

SOOT.—Answering "G." we wish to state that soot is an excellent fertilizer either indoors or outdoors.

GREENHOUSE BENCHES should be thoroughly cleansed and whitewashed before they are refilled with soil.

THE dated yellow address label on your paper shows when the subscription expires. Please renew promptly.

PLANS for changes in and additions to greenhouses and heating arrangements should be completed at once and the materials ordered without delay.

ROSES, chrysanthemums and other young stock ready for planting soon depreciate in quality at this season and surpluses should be disposed of quickly.

DECORATION DAY, falling on Saturday this year, will be an unusually busy occasion for florists in many places and preparations should be forwarded accordingly.

THE liberal premiums offered for competition at the National Flower Show, to be held at Chicago next November, are attracting the attention of foreign exhibitors.

FLORISTS in northern cities are complaining seriously of the continued cold and unseasonable weather, which requires constant firing and consequent coal expense, while plant trade has hardly begun.

J. D. CARMODY, who recently visited Panama, was on his return called upon by the citizens of Evansville, Ind., to deliver an address on his trip. This highly interesting address was duly given and now appears in pamphlet form.

WE have received the preliminary schedule of the eighth annual exhibition of the New Haven County, Conn., Horticultural Society, to be held November 10-12. A good list of classes is given but the value of the premiums is not yet decided. Walter Koella, 58 Bishop street, New Haven, is secretary.

SECRETARY RUDD of the Society of American Florists is making a vigorous campaign for new members. A little slip printed in red attached to most of the matter leaving his office these days reads as follows: "Say, what's the matter with your getting one new member for the S. A. F. now?"

Behind the Times.

One of our regular advertisers writes as follows: "I am all sold out in many lines and many readers of your paper are bothering me now about stock they ought to have ordered two months ago."

Mothers' Day.

The "Mothers' day" proposition seems to have been taken up with spirit in Lincoln, Neb. We have several letters from prominent florists in the city and these point out that there was hardly a white flower to be had for love or money late on May 10. The custom of wearing a white flower in honor of the wearer's mother appeals to every man and every manly boy and we hope to see the idea extended. The idea in Lincoln appears to have originated with the secretary of the Young Men's Christian Association and Mayor Brown issued a proclamation recommending it. Senator Burkett introduced a resolution in congress concerning the celebration of the day as a national holiday but it did not meet with a very good reception.

American Rose Society.

JUNE SHOW AT NEW YORK.

A conference was held in New York last week relative to the June show of outdoor and other roses. This meeting decided the date to be in the middle or last week in June. President Simpson and others of the American Rose Society and the committee of the New York Horticultural Society attended this meeting. There has been a strong inclination at all gatherings hitherto to emphasize the desirability of the June exhibitions and this year it is now proposed to carry it into effect. "A rose for every home; a bush for every garden." At the time of the year when this motto can be brought to the eyes of a larger gathering than at any other period of the year, the American Rose Society invites the attention of all its members to this affair, requesting especially growers of outdoor roses of any and all varieties to be on hand and furthermore would be more than pleased to receive the support of any friends in the way of prizes for this show. A word to growers: Remember that this is a popular show thrown open to thousands of people who, at this season of the year, gather for miles from the most populous suburban district in all America—and this means cultivating business. So we want the rosarians of New Jersey, all of New York, Connecticut, Massachusetts, Pennsylvania and Maryland with as many from Ohio and further west as practical to send on what they can. We want the rich men's estates with their wealth of beauty and their educated gardeners to lend a hand and contribute of the glory of the products of "the leafy month of June" to the coming rose show next month.

BENJAMIN HAMMOND, Sec'y.

Meetings Next Week.

Boston, Mass., May 19.—Gardeners' and Florists' Club of Boston, Horticultural Hall.

Denver, Colo., May 22, 8 p. m.—Denver Floral Club, 323 Charles block.

Des Moines, Ia., May 19, 8 p. m.—Des Moines Florists' Club, Iowa Seed Co.'s store.

Detroit, Mich., May 20, 8 p. m.—Detroit Florists' Club, 38 Broadway.

Grand Rapids, Mich., May 18.—Grand Rapids Gardeners' and Florists' Club, Board of Trade rooms, Pearl street.

Hamilton, Ont., May 19, 8 p. m.—Hamilton Gardeners' and Florists' Club, office of member.

Hartford, Conn., May 22, 8 p. m.—The Connecticut Horticultural Society.

Montreal, Que., May 18.—Montreal Gardeners' and Florists' Club, Alexandria rooms, 404 St. Catherine street.

New Orleans, La., May 21, 8 p. m.—New Orleans Horticultural Society, 125 St. Charles street.

Newport, R. I., May 20.—Newport Horticultural Society.

Providence, R. I., May 18, 8 p. m.—Florists and Gardeners' Club of Rhode Island, 96 Westminster street.

Salt Lake City, Utah, May 19.—Salt Lake Florists' Club, Huddart Floral Co., 114 East Second South street.

Seattle, Wash., May 19.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.

Toronto, Ont., May 19, 8 p. m.—Toronto Gardeners' and Florists' Association, St. George's hall, Elm street.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Every paid subscriber to the AMERICAN FLORIST for the year 1908 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—Young man, 22 years of age 2 years' experience in florist store and greenhouse Key 538, care American Florist.

Situation Wanted—German, married, age 31, twelve years' experience in Europe, five in U. S.; wishes position as assistant; sober, good worker; state wages. Key 534, care American Florist.

Situation Wanted—By practical all around florist; age 29 years, married, capable of taking charge of either greenhouses or store; life experience; first-class references given. Address H. E. M., 405 Palmer St., Kokomo, Ind.

Situation Wanted—Single young man strictly temperate several years experience in greenhouse also in growing fruits and vegetables outside; would like to hear from private place or institution. Key 533, care American Florist.

Situation Wanted—Married man, 28 years old, life experience in general stock roses, carnations and 'mums, desires position at good sized place; state wages and full particulars in first letter. Address Key 535, care American Florist.

Situation Wanted—By young German; good designer and decorator; Wisconsin or other western state preferred; steady and reliable; good references. J. S., care American Florist. 1133 Broadway, New York.

Situation Wanted—By a first-class German florist, designer and decorator; London and New York experience; best references; state in first letter, wages and particulars. Address Key 537, care American Florist.

Situation Wanted—By experienced grower of roses carnations, 'mums and general stock; good propagator; capable of taking charge of section, or full charge of smaller place; single, American; references; state wages. Address Key 527, care American Florist.

Situation Wanted—By an all-'round, reliable, trustworthy nurseryman; good propagator; worked in best Holland, English and American nurseries; nine years' experience; single age 23; state particulars and wages, please. Address Key 528 care American Florist.

Situation Wanted—As working foreman as grower of roses carnations, 'mums, violets, bulbs and general stock; has a thorough knowledge of the business in all branches; has 40 years' experience in England and America; age 54 single. GEO. MORRIS, Hudson, N. Y.

Situation Wanted—A No. 1 assistant gardener on private estate or public place; 8 years' experience in general greenhouse work and landscape; good recommendations; age 23 single; please state wages and particulars in first letter. Address W. F. B., R. F. D. No. 2, Alexandria, Va.

Situation Wanted—As working foreman, Ohio, Indiana Illinois or Missouri preferred; 14 years' experience on wholesale and retail places; will produce results for you; good wages expected; will be disengaged June 15; married, 32 years old, one child. Key 529, care American Florist.

Situation Wanted—Working foreman and manager, 35 years of age, German single, hustler strictly sober, intelligent good education, 22 years' practical and theoretical experience in roses, carnations, ferns, 'mums, violets bulbs, bedding plants, fancy Xmas and Easter plants, design, decorating, landscape; good references as working foreman; disengaged June 1; good wages expected. Key 501, care American Florist.

Situation Wanted—As working foreman in commercial or private place by good practical experienced grower and propagater of roses, carnations, 'mums, all cut flowers and every line of pot and bedding plants; designer, decorator, landscape gardening, vegetable grower, etc.; sober, steady, not afraid to work; 29 years' experience in America and Germany; German, married age 43, best of references, please state particulars in first letter. Address Key 532, care American Florist.

Help Wanted—A rose grower at once; wages $15.00 per week. WM. DITTMANN, New Castle, Ind.

Help Wanted—A man to work in rose sections; state wages without board. Apply COLE BROS., Peoria, Ill.

Help Wanted—Chrysanthemum grower; must be thoroughly familiar with the work and come well recommended; state salary in first letter. THE J. M. GASSER COMPANY, 1035 Prospect Ave., Cleveland Ohio.

Help Wanted—Good reliable grower to take full charge of one house each roses carnations and violets; 25 000 feet of glass; give reference; state wages without board. J. A. KELLER Florist, Lexington, Ky.

Help Wanted—Young man as working foreman to take an interest in an established greenhouse business. Only small capital required. Correspondence invited. Address Key 530 care American Florist.

Help Wanted—Gardener to take charge of grounds, garden and greehouses (private place); married man with small family; address with references and stating wages wanted. ELLIOTT NURSERY CO. Pittsburg, Pa.

Help Wanted—Experienced gardener for private place. Permanent position; wages $25 per month with room and board. If suited will pay more. Must know vegetables, trees and shrubs; care of one cow. Single man preferred; send references MEHL & MUSKOFF, 23 Euclid Bldg., St. Louis, Mo.

Help Wanted—Plantsman with experience in potting and watering; must be careful and painstaking; please send with application, copy of references from former employer; also state age, nationality and full particulars; wages to start $12.00 per week. Address J. A. PETERSON, 3132 McHenry Ave., Westwood, Cincinnati, O.

Help Wanted—A young man as farm manager, who has had experience in seed-growing and the growing of bulbs, hardy perennials, etc.; a good opportunity for a man who is willing to start in a reasonable way with a view to future development and advancement. Give full particulars, naming references and previous experience. Address P. O. Box 330, Richmond Va.

For Sale—An elegant 8-foot florists' refrigerator; good as new; will sacrifice if sold soon. E. J. PERRY, Greensburg, Pa.

For Sale—27 000 feet of glass; filled with first-class stock; located in one of Chicago's suburbs; low price. Address FLORIST, 4016 N. Clark St., Chicago.

For Sale—A bargain for a good florist stand and store opposite Woodland Cemetery; with full line of confectionery; also greenhouses of 10 000 feet of glass; offered after July 1 for $1 500. HENRY EICHOFF 6818 Woodland Ave. S. E., Cleveland O.

For Sale—First-class greenhouse establishment with residence and barn located in Milwaukee for $12,000;—$5000 down, balance on terms to suit you. Address Box 775, Milwaukee, Wis.

For Sale—Greenhouse establishment, built five years; 85,000 feet of glass, 15 acres of land; 100 miles from Chicago; within easy shipping distance of St. Louis and Chicago. Address J. B. DEAMUD Co., 51 Wabash Ave., Chicago.

For Sale—Greenhouses and stock; about 20,000 feet of glass, well stocked with all kinds of bedding plants, ferns, palms and cut flowers; for terms inquire of Mrs. Hugo Book, College street, Worcester, Mass., or L. Midgley, Worcester Conservatories, Worcester, Mass.

For Sale—At sacrifice, good paying retail florist's business, consisting of two lots, 4 500 ft. of glass; houses well stocked with bedding plants and carnations; store with living rooms and 7-ft. basement, in very heart of thriving residence city of 10,000 inhabitants; 45 miles from Chicago. Give immediate possession. Price, $4,500; $2,000 cash and balance on time to suit purchaser. Key 525 care American Florist.

Partner Wanted—Reliable florist with 20,000 carnation plants, good varieties, little cash and capable of erecting greenhouse; or florist with 5,000 cash, more or less. Material now at greenhouses near Chicago; can become part owner of established modern greenhouse business. Address G. F. MORRIS 310 Ashland Block, Chicago.

Gardener Wanted

We have a vacancy for a well informed young gardener of good character; salary to start $50 per month, with house, heat and light; applicants should send full particulars to **Key 531, care American Florist.**

OPENINGS FOR SEEDSMEN.

Wanted two good bright men capable of earning $1,000 per year each, that are well versed in the seed business. One that has had a great deal of experience in garden seeds and some in field. Another that has had considerable experience in grass and field seeds and can take charge of shipping department and act as general foreman around warehouse. When answering, state your age, number of years experience and with whom. **Key 526, care American Florist.**

Nicholson's Dictionary of Gardening.

FOUR VOLUMES, $20.00.

An Excellent Work of Reference.

Key 539, care American Florist.

Trade Directory for 1908

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1908, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 509 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

American Florist Company

324 Dearborn Street, CHICAGO, ILL., U. S. A.

Contains 509 Pages NOW READY. Price $3.00 Postpaid

HENRY M. ROBINSON & CO.

15 Province St., 9 Chapman Place, BOSTON, MASS. TELEPHONE: 2618-2619 Main.

New Crop Hardy Dagger Ferns, Extra Fine Quality, **$2.00 per 1000**
Bronze and Green Galax, $1.00 per 1000; $7.50 per case 10,000; Bronze, $8.50
Bouquet Green, $7.00 per 100 lbs. Boxwood, $18 per 100 lbs.
Sphagnum Moss, Laurel Festooning and Leucothoe Sprays

MEMORIAL DAY
FLORISTS' SUPPLIES

of all kinds, such as Milkweed, Cape Flowers, Immortelles, Cycas Leaves, Ribons, Cut Wire and Wire Designs and all kinds of letters.

Order Early—Owing to the late spring the supply of **Ferns** will be limited.

CUT FLOWERS FOR MEMORIAL DAY

We have **Roses** (all kinds).
Carnations, Lilies. Spireas.
Stocks, Cantytuft, Lilacs.

IN ANY QUANTITY.
Sprengeri, Plumosus, Adiantum.

Orchids, Gardenias, Valley (special only), **Sweet Peas.**
Marguerites, Farleyense.

Henry M. Robinson & Co., Boston, Mass.
Order from Us. No Disappointments. Satisfaction Guaranteed.

JOHN P. SCHERER,

Telephone 328 L Union.
636 Gardener St., UNION HILL, N. J.
SMILAX, FERNS, PALM LEAVES and all kinds of GREEN GOODS.

Fancy and Dagger FERNS $1.75 per 1000

Discount on large orders.

New Crop Galax, Bronze or Green, $1.25 per 1000: 10,000, $7.50. **Wild Smilax,** 50-lb case, $6.00.
Sphagnum Moss, large bales.....$1.25
Leucothoe Sprays.....$1.00 per 100; 1000, 7 50
Boxwood.....35c per bunch; 50 lbs.. 7,50

Florists in the Middle and Western States can save money by placing their fern orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,
WHOLESALE COMMISSION FLORISTS,
38-40 Broadway, All Phone Connections. **DETROIT, MICH**

St. Louis.

STOCK SHORTENED UP.

The weather all last week was wretched, raining and continued cold, which put an entire damper on all business. It was hard to move stock at any price. Saturday, however, came a welcome change; prices stiffened and everything was cleaned up at good prices. Sunday saw the retailers fighting for stock, and good carnation stock was sold at three cents. The supply seemed to have been suddenly cut off and from now to Memorial day there is likely to be a shortage. Peonies are selling at four and five cents. Cape jasmine is selling at 50 cents per 100. Quite a little demand was caused for white carnations on Sunday, this being Mothers' day, a fad which it seems will grow. A white carnation in remembrance of mother seems to have caught on and will become quite a factor in trade as regards white carnations for that day. Hardy ferns are in much earlier than last year, and selling at $1.50 per 1,000; also wild adiantum, at $2.50 per 1,000.

NOTES.

The Horticultural Society has offered its services to the society ladies engaged at the charity carnival. It has offered to erect a tastefully decorated floral booth and to donate cut flowers to be sold by the ladies at their various booths. F. C. Weber, Geo. Waldbart, Otto G. Koenig and other florists have promised decorations.

All the plant dealers complained last week of the very unseasonable weather, buyers being scarce and afraid to plant out on account of cold weather.

Ostertag Bros. will be very busy this week. They have the reception to be given by the musicians, who have their convention this week. W. F.

Special Offer for 10 Days

Nice fancy **FERNS** 85c per 1000. Good **Dagger Ferns** $1.00 per 1000. New crop **Dagger Ferns,** $1.50 per 1000. **Galax,** Green and Bronze $1.00 per 1000: case lots, 10,000, $7.50. 50-lb. cases **Wild Smilax** $6.00. **Leucothoe Sprays,** bronze or green, 40c per 100. **Ground Pine,** 5c per lb. or 5c per yd. **Pine** and **Laurel Wreaths,** for decoration use: Pine, $1.50 per doz., Laurel, $2.50 and $3.00 per doz. Send your order early for your decoration use. **Laurel Festooning,** 4c., 5c. and 6c. per yard; made daily fresh from the woods. **Boxwood,** No. 1 quality $8.00 percase, 50lb. Telegraph Office, New Salem, Mass. L.D. Phone Conn's.

CROWL FERN CO., Millington, Mass.

E. A. BEAVEN

Southern Wild Smilax,
Log Mosses,
Natural and Perpetuated—at Wholesale,
EVERGREEN, ALABAMA.

George Cotsonas & Co.

Wholesale and Retail Dealers in all kinds of
Evergreens.

Fancy and Dagger Ferns, Bronze and Green Galax
Phone 1202 Mad. Sq.
Main Store, 50 W. 28th St., **NEW YORK.**

THE KERVAN COMPANY,
113 West 28th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe, Ferns, Mosses and all Decorative Evergreens.

AM. BEAUTIES

Killarney, Kaiserin, Richmond, Brides, Maids and Perles.

All planted in solid benches and the roses are grafted plants. At this time of year they produce much better flowers and stronger stems as the roots have more soil to work on. Give us a trial order and compare our stock with others.

Our Immense Crop of Carnations Is Still On

with prices down to $2.00 to $3.00 per hundred.

Bassett & Washburn,

GREENHOUSES, HINSDALE, ILL.

Store, 76 Wabash Ave., CHICAGO.

London.

Red and white roses sold well for St. George's day but the snowy, wet weather was against trade. General Jacqueminot is still the best seller, though Liberty goes fairly well at 35 cents to $1 per dozen. The need of a good white rose is sadly felt.

The thirty-second annual show of the National Auricula Society was held in connection with the Royal Horticultural Society's meeting April 28. James Douglas, the veteran grower, was first throughout, a great tribute to his well-known skill. Certificates and medals were awarded to several varieties. Cutbush & Sons exhibited St. Louis and Victory carnations and were awarded a Banksian medal. Paul, of Waltham Cross, had grand pot and climbing roses and W. H. Page had among other flowers fine Lilium Formosum. He considers it the best of the longiflorums. C. F. Waters showed 29 varieties of carnations arranged with Asparagus Sprengeri. H. Cannell & Sons, Swanley, Kent, had a fine display of zonal geraniums for which they were awarded a silver Banksian medal. Arabie (bright scarlet), Campania (salmon), Caronia (bright pink), Cenic (delicate flesh), Clevedon (orange), Cymric (purple self), Lady Warwick (white, pink picotee edge), Lucania (cerise and scarlet), Lusitania (deep magenta), Mauretania (white, salmon eye), St. Louis (scarlet) and Carmania (salmon rose) were the best dozen; all of 1907 introduction.

AT J. SWEET'S WHETSTONE.

This firm has some 30 acres of trade premises, chiefly glass, and every house right up to date. Every year one house is built. This is due to the fact of vines being planted, and as in three years they cover the roof, plants being grown underneath and light being essential, enlargement must take place yearly. Cinerarias are of the right stock, the firm's own selecting and hybridising, colors of the best. Of the newer things on trial is a good batch of schizanthus, re-selected stock, this selling in the market at $3 per dozen; color suits the ladies. Hydrangea Mareisi, the blue variety, is done well. Roses are largely grown. Hiawatha is in splendid condition as also Dorothy Perkins. As instancing the quantities grown, one span contained 20,000 heaths for next year's trade.

FRANCO-BRITISH EXHIBITION.

A very wonderful 140 acres, and while all is at present very busy, by the opening date there will be plenty to interest all. The horticultural section should be very fine as a strong horticultural committee is working. Schedules and catalogues of the shows are now going through the press. The Garden Club will be a strong link in the matter of horticulture. Sutton & Sons have the grass seeding in hand, while James Carter & Co. and J. Veitch & Sons, Ltd., have the planting, these names assuring us of the best work being done. J. A. Alexander, by no means a novice in horticultural matters, has charge of the office arangements at 56 Victoria street S. W., and he will supply all information.

S.

Poison Ivy.

Each recurring spring brings forth a fresh crop of people poisoned by poison ivy (Rhus toxicodendron) and poison sumach (R. venenata). It may interest them to know that the poison is reputed by some to be due to an acid called toxicodendric acid and by others as due to an oil called toxicodendrol. Whatever the cause of the poison, the intolerable itching may be allayed by a variety of alkalies. The old fashioned remedy was a poultice made by spreading soft soap on a piece of bread and applying it to the infected part. Now that soft soap has given way to the various bar soaps, the cheapest laundry soap will do just as well. Washing soda or sodium hyposulphite is recommended and painting the poisoned part with collodion has its adherents, also. Rhus poisoning and the disease erysipelas have many characteristics in common. Cows and sheep eat the plant without harmful effects. It is said that leaves of various species of sumach (rhus) have the property of expelling their resin with noticeable violence when placed in water, but like many another "it is said" nobody seems to have looked into the truth of the matter. We shall be glad if anyone can enlighten us.—American Botanist.

Nurserymen at Milwaukee.

On the way to the Milwaukee Convention you should travel from Chicago via the beautiful north shore route of ***The North-Western Line,*** and thus have an opportunity to enjoy the beauty of a magnificent chain of Chicago's suburbs, with glimpses of splendid landscape gardening and a trip along the shore of beautiful Lake Michigan.

Twenty-one trains a day between the two cities

THE NORTH-WESTERN LINE

THE BEST OF EVERYTHING.

TICKET OFFICES: 212 Clark St. (Tel. Cen. 721,) and Wells St. Station.

STOCKTON CALIF.—The Arbor Club has commenced an active campaign to raise funds for the purpose of saving the 14 miles of trees planted along four roads leading out of the city. The scarcity of moisture this season makes it necessary that the trees be watered several times and additional funds are necessary to carry the many fine trees that have been growing through the coming summer.

"THE BUSIEST HOUSE IN CHICAGO."

J. B. DEAMUD CO.

Fancy Ferns
The very best in any quantity

Gladiolus, Sweet Peas, Peonies, Cape Jessamines and all other Cut Flowers. WE WANT YOUR ORDERS.

Long Distance Phone Central 3155.

51 Wabash Ave., Chicago.

Chicago.

SHIPPING DEMAND HEAVY.

Shipping demand was very heavy toward the last of last week. Business gradually increased until Friday when the market held firm on almost all classes of stock. Saturday being a bright, clear day brought a good trade, both locally and for shipping. Sunday last was the banner Sunday in many weeks, and the good demand continued into the fore part of the present week. Good American Beauty roses are rather scarce with a very good demand. Other roses cleaned up well on Saturday and Sunday, several shipping orders not being filled in full. Roses of all kinds have been exceptionally good for the time of year. Carnations seem to have come into their own again, the demand being about equal to the supply, and good shipping stock cleaning up every day. There is considerably more white stock than anything else. Double Hudson river violets seem to be about over, none having come into this market on Monday. The supply of bulbous flowers has also materially lessened. Lilacs are plentiful and cheap. No great number of peonies are coming in as yet, but what there are meet with a ready demand.

May 13.—Rain today has shut off the demand and the market is exceedingly quiet.

THE FLORISTS' CLUB.

The regular meeting of the Florists' Club was held at the Union restaurant May 7, President Kill in the chair. There was a good attendance considering the unfavorable weather. President Kill announced that Geo. Asmus had been appointed chairman of the sports and pastimes committee, which was instructed to arrange for a picnic in July. Four new members were elected, namely. Geo. Schuber, James Novak, J. L. Schillo, 418 Mohawk street, J. B. O'Neil, Elgin. W. O. Johnson, with the Foley Mfg. Co., was nominated for membership. F. F. Benthey, chairman of the board of trustees, announced that the Hartshorne fund now amounts to some $1,800 and that arrangements have been almost completed for the purchase of a house and lot in Joliet for the family.

NOTES.

Sam'l Muir's place, at 3530 Michigan avenue, is an attractive one right now. The huge window is filled (not too full to be artistic) with lilies and spireas. The greenhouses are full to overflowing with decorative and bedding stock. Even the cold frames are full of geraniums, crowded outdoors by the numbers needed for later bedding and window and porch box work. Mr. Muir grows his own seedling ferns, many pans bringing along their tiny plants under the benches. He brings along his dracænas, rooting same from his own stems.

F. W. Martin, at 280 E. Fortieth street, reports a flourishing spring business. Mr. Martin has about 8,500 square feet of glass and grows an assortment of decorative and bedding stock in which he does not only a good retail business, but also a wholesale trade on a small scale. A new house, 30x100 feet is in contemplation.

J. W. Breakey on Friday last moved into his fine new store at 3909 Cottage Grove avenue. This is just a few doors north of his old location. The building is a two story one built on a long time lease, expressly for Mr. Breakey. At the rear is an attractive show house filled with a variety of well grown decorative stock.

The home of James G. Hancock at La Grange caught fire May 4, and the firemen were unable to control the flames before the roof was entirely gone. Mr. Hancock is foreman for Frank Oechslin. Last Friday he removed his family and such household effects as escaped damage to Western Springs.

Philipps & Opitz, 3626 Cottage Grove avenue, have dissolved partnership, the business being continued by J. P. Opitz. Trade is reported good here. Toward the end of the week Mr. Opitz will open a branch store near the corner of Cottage Grove avenue and Sixty-seventh street.

Weiland & Risch have let the contracts for their new greenhouses, the Adam Schillo Lumber Co. furnishing the lumber and the John C. Moninger Co. doing the work. John Risch reports having an excellent crop in sight for Decoration day, both in carnations and roses.

A. Lange says he is contemplating a trip this summer to Paris to visit his friends, Jack and Mme. Harris, illustrations of whose beautiful home, the former Worth residence, were shown in our issue of last week.

Wietor Bros. are now cutting American Beauty roses of exhibition quality. In their greenhouses are already planted two new roses, including 5,000 plants of Mrs. Jardine and 2,500 of Rhea Reid.

Willie Updike, of Ypsilanti, Mich., was in town Monday and announced his intention of opening a first class retail store in that town in the near future.

Some extra fine Aristocrat carnations are to be seen at J. A. Budlong's. Phil Schupp says they are both busy and satisfied.

Six acres of carnations in the field is the result of this year's planting at Peter Reinberg's mammoth establishment.

C. A. McKellar says there is a fine lot of Cattleya Mossiæ now coming in.

(CONTINUED ON PAGE 836.)

Kennicott Brothers Company,

WHOLESALE

CUT FLOWERS.

48-50 Wabash Ave.,

CHICAGO.

Peonies

Now

Price

5 to 6 Cents.

We will have anything in the line of

Cut Flowers and Greens

that you may want if anybody has at Chicago market prices on day of shipment.

KENNICOTT BROS. CO.

L. D. PHONE, CENTRAL 466.

48-50 Wabash Ave., CHICAGO.

E. F. WINTERSON CO., 45-47-49 Wabash Ave., Chicago

WHOLESALE CUT FLOWERS AND FLORISTS' SUPPLIES.

SPECIAL PRICES TO JOBBERS

New Green Galax, While they last per case, 10,000.....$4 00 Fancy Jasmine - - $5.00 per 1000

All Cut Flowers in good supply. All stock billed at Chicago market quotations. Send us your orders for Ribbons, Chiffons, Fancy and Plain Baskets for your Spring Decorations, Weddings, etc. We have a large stock.

Order Now for Decoration Day Cemetery Vases, Green Moss, Metal Ruscus, Magnolia and Cycas Wreaths, Doves, Sheaves, Cycas Leaves, etc

WE HAVE A FULL LINE OF ALL SEASONABLE SUPPLIES.

Zech & Mann
Wholesale Florists
Room 218, 51 Wabash Ave., CHICAGO
Telephone, Central 3284.

Vaughan & Sperry,
Wholesale Florists,
58 and 60 Wabash Ave., CHICAGO.
WRITE FOR SPECIAL PRICES.

Poehlmann Bros. Co.
Wholesale Growers of and Dealers in Cut Flowers
All telegraph and telephone orders gvien prompt attention.
Greenhouses: MORTON GROVE, ILL.
35-37 Randolph St., CHICAGO.

Roses... Carnations and other CUT FLOWERS of best quality

E. H. HUNT
SEND FOR PRICE LIST.
76 Wabash Avenue, CHICAGO.

Florists' Supplies AND Novelties.

J. A. BUDLONG
37-39 Randolph Street, CHICAGO.
Roses and Carnations A Specialty.....
WHOLESALE GROWER of CUT FLOWERS

E. C. AMLING
THE LARGEST, BEST EQUIPPED, MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.
32, 34, 36 Randolph Street, CHICAGO.
L. D. 'Phones Central 1978 and 1977.

WEILAND & RISCH
Wholesale Growers and Shippers of CUT FLOWERS
59 Wabash Ave., CHICAGO.
'Phone Central 879.
Write for our wholesale price list.
WHOLESALE FLORISTS

Wholesale Flower Markets

CHICAGO, May 13.

Rose, Beauty, extra fancy	4 00
" " 24 to 30-in. stems,	3 00
" " 12 to 20-in. stems,	1 50@ 2 00
" " Short stems	1 00
" Killarney	6 00@12 00
" Bride, Maid Ivory Gate	4 00@ 6 00
" Liberty, Richmond	4 00@ 8 00
" Chatenay, Perle	4 00@ 6 00
Carnations	1 5 @ 3 00
Violets	40@ 50
Lilium Harrisii, per doz.,	1 00@ 1 25
Callas, per doz.,	1 00@ 1 25
Lily of the valley	2 00@ 4 00
Gladiolus, per doz.,	1 50@ 2 00
Peonies, per doz.,	50@ 75
Snapdragon, per doz.,	50@ 75
Sweet Peas	50@ 2 00
Pansies	75@ 1 50
Daffodils	2 00@ 3 00
Tulips	2 00@ 3 00
Iris, blue	5 00
" white & yellow	3 00
Daisies white	75@ 1 00
" yellow, per doz.	1 00@ 2 00
Smilax, per doz	2 00
Asp. Plu. & Sprengeri, bunch	50
Asparagus strings, each	50
Adiantum, per 100	75@ 1 00
Leucothoe sprays	60@ 75
Ferns, per 1000	2 50
Galax, green, per 1000	1 00
bronze, per 1000	1 00
Boxwood, per bunch	35

Chas. W. McKellar
51 Wabash Ave.
CHICAGO.

ORCHIDS
A Specialty
Fancy Stock in VIOLETS VALLEY, ROSES, BEAUTIES, CARNATIONS and a full line of all Cut-Flowers, Greens, Wire-Work and FLORISTS' SUPPLIES.
Send for Complete Catalogue.

WIETOR BROS.
Wholesale Growers of Cut Flowers
All telegraph and telephone orders given prompt attention.
51 Wabash Ave., CHICAGO.

RICE BROTHERS
Wholesale Florists and Supplies,
115 N. 6th St., MINNEAPOLIS, MINN.
CUT FLOWERS received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities.

Always mention The American Florist when you order stock. : : :

THE BENTHEY-COATSWORTH CO.
35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

PRICE LIST.

RED

American Beauty, long stems.....$ 4.00 per doz.
30-inch stems..... 3.00 per doz.
24-inch stems..... 2.50 per doz.
20-inch stems..... 2.00 per doz.
15-inch stems..... 1.50 per doz.
12-inch stems..... 1.25 per doz.
Short stems..... 1.00 per doz.
Richmond, Liberty.....$4.00 to $ 8.00 per 100

WHITE

Bride, Ivory.....$4.00 to $ 6.00 per 100

PINK

Chatenay, Bridesmaid..... $4.00 to $ 6.00 per 100
Mrs. Marshall Field, Killarney, ...$6.00 to $10.00 per 100

LIGHT PINK

Uncle John, Golden Gate....$4.00 to $ 6.00 per 100

YELLOW

Perle.....$4.00 to $ 8.00 per 100

COPPER COLOR

Sunrise.....$4.00 to $ 8.00 per 100

Roses, our selection, $3.00 per 100.

Carnations,.....$ 1.50 to $ 2.50 per 100
Easter Lilies,..... 8.00 to 10.00 per 100
Extra fancy Asparagus Plumosus ..... 50c to $ .75 per bunch
Paper White, Romans, Daffodils .....$ 2.00 to $ 3.00 per 100

Violets..... $ 1.00 per 100
Tulips.....$ 2.00 to 4.00 per 100
Callas..... 8.00 to 10.00 per 100
Valley, fancy..... 2.00 to 4.00 per 100

PETER REINBERG, 51 Wabash Ave., Chicago.

Chicago Notes.

CONTINUED FROM PAGE 834.

The Ernst Wienhoeber Floral Co. had the decorations for the recent Herrick-Havemeyer wedding, and neither expense nor pains were spared to make the floral feature an artistic success. It was a home wedding. The mantel before which the ceremony was performed was banked with white lilac, prunus and Spirea Van Houttei. The country was scoured for miles around for all the available peach blossoms which were used, together with apple blossoms in profusion, throughout the house. Asparagus plumosus was the only green used. The bride's shower bouquet was of the lightest shades of Cattleya Schroederæ. The eight bridesmaids' bouquets were of flowering almond. The dining-room was done in pink, apple blossoms being used. For the center-piece there was a large handle basket of flowering almond.

Schiller, the Florist, is erecting a new store with greenhouse attached at 906 West Madison street, just opposite the present location. The building will be 30x50 feet and two stories high, while the greenhouse will be 25x150 feet. The new place will be ready for occupancy in September, when the old location will be abandoned.

The A. L. Randall Co. reports a good demand for wire designs. The expansion of the cut flower department has necessitated a rearrangement of the floor space. All the packing and shipping is now done at the rear leaving the entire front part of the store excepting the offices to the sales force.

N. C. Moore & Co., who have announced their intention of going extensively into the plant business, are about to place about 25,000 geraniums in 4-inch pots on the market. Foreman W. L. Smith, who has recently taken charge of this establishment, has his stock in excellent shape.

The members of the Benthey-Coatsworth Co. in this city claim that the report in our Cincinnati letter, printed on page 869 of this issue, in reference to the sale to Weiland & Olinger of their greenhouse plant at New Castle, Ind., is unfounded.

The J. B. Deamud Co. this week showed the first bachelor buttons of the season. An exceptional offering here is a fine lot of the salmon pink sweet peas, which are meeting with a good demand.

Last Saturday was Mother's day and every man was supposed to wear a white carnation in honor of his mother. The observance, however, was not so general as to be noticed on the market.

E. E. Pieser, of the Kennicott Bros. Co., says there is every indication of a crop of exceptionally fine peonies a little later. Those now coming in, he says, are in strong demand.

Michael Callahan, who has been foreman at one of the rose ranges of Poehlmann Bros. Co., has been engaged by the Stuppy Floral Co., St. Joseph, Mo., for a similar position.

The Foley Mfg. Co. has just issued a fine new catalogue and with its new factory in full running order is in excellent shape to handle all kinds of contracts in its line.

Frank Johnston, of Vaughan & Sperry's is at Crystal Lake, suffering a severe attack of gastritis.

Vaughan's Seed Store has just received three carloads of bay trees.

Visitors: H. E. Philpott, Winnipeg, Manitoba; W. G. Matthews, Dayton, O.; Louis Hartung, Two Rivers, Wis.; F. Stuppy, St. Joseph, Mo.; Jos. Pollworth, Milwaukee, Wis.; M. Shattls, with Lion & Co., New York; Ballard G. Shaw, of Shaw Fern Co., Pittsfield, Mass.; Chas. Hammer, Memphis, Tenn., saying he was enroute to New York; S. J. Dangel, representing Ellis-Chalmers Co., New York; Martin Reukauf, representing H. Bayersdorfer & Co., Philadelphia; B. Juerjens, Peoria.

Springfield, Ill., Florists' Club.

The local club at its regular May meeting held May 11, decided on holding a flower show in November, the exact date to be arranged later. It is the intention of the club to donate a part of the proceeds to city charities. A. C. Brown, Harry Drake and Frank Friedley were appointed to the committee to take charge of the show. President Rauth appointed David Wirth, A. T. Hey and Wm. Hamberg to serve on the finance committee. The club adjourned till the next regular meeting. A lunch and smoker followed the meeting. The club meets the second Monday in the month.

F.

Louisville.

STOCK OVER PLENTIFUL.

Business conditions since Easter have been very poor, with but few exceptions. The supply of stock has generally been very large, consequently the loss was very heavy. Roses are about all that have had a respectable demand, and the supply of these is getting large. Carnations find a fair demand, especially first class stock, but there are too many. Lilies have a slow demand, and can be had in great quantities. Lily of the valley has a very good demand, and the supply is a little short. Sweet peas have some demand, and are in good supply. Green goods are in good supply, with the exception of smilax, which is very scarce. The bedding people have had a very bad season so far, owing to the many rains and cool weather, but now the weather is very warm and they hardly know where to start first.

David C. Etheridge has opened a flower store at 216 Fourth avenue, with Mrs. Lipps in charge. The craft wishes him much success.

F. L. S.

FOR MAY AND JUNE WEDDINGS we offer extra select Lily of the Valley, Bride and Bridesmaid Roses, and of course a full line of all seasonable Cut Flowers and Greens. Try us. We have the stock and can take care of all orders.

HOLTON & HUNKEL CO.

462 Milwaukee Street, MILWAUKEE, WIS.

The Best Equipped Wholesale House in the West.

We also carry a full line of **FLORISTS' SUPPLIES.** Would like to send you a catalog. Drop us a postal.

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations and all kinds of Seasonable Flowers in stock.

WM. F. KASTING CO. Wholesale Commission Florists.

BUFFALO, N. Y.

Florists' Supplies and Wire Designs.

—THE—

J. M. McCullough's Sons Co.

Wholesale Commission Florists.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Cleveland.

WHITE CARNATIONS WANTED.

The past week saw practically no change in the market. Towards the middle of the week business slumped but by the end of the week everything cleaned up nicely. White carnations were in good demand Saturday, on account of Mothers' day, May 10. All stock that was fairly good brought $2.50 and $3; even at that price it was impossible to supply the demand. Some of the roses are coming in slightly mildewed. Lily of the valley and sweet peas were scarce items the past week. Snapdragon and peonies are more plentiful. Several are commencing bedding out this week.

NOTES.

A. Graham & Son are very busy booking orders for bedding stock. The greenhouses look as though Mr. Graham is better prepared than ever to handle the great volume of business that comes his way every year.

F. J. Stehle, Lorain, is shipping in some extra fine Harrisii lilies to the Cleveland Florists' Exchange.

The Cleveland Cut Flower Co., was the first wholesale house to handle peonies this season.

L. F. Darnell, of the J. M. Gasser Co., was in Chicago last week.

FORESTER.

Wholesale Flower Markets

BUFFALO, May 13.

Roses, American Beauty	3 00@25 00
" Bride, Bridesmaid, Meteor	3 00@ 7 00
Carnations	1 00@ 2 50
Lily of the valley	2 00@ 4 00
Smilax	15 00
Adiantum	50@ 1 50
Lilies	8 00@12 00
Galax, per 1000, $1 50	
Ferns, per 1000, 2 00	
Mignonette	1 00@ 3 00
Daisies	1 00@ 2 00
Sweet peas	40@ 75
Hyacinths	2 00@ 3 00
Tulips	2 00@ 3 00
Daffodils	2 00@ 3 00
Asparagus Sprengeri, per bunch,	25 50
Asparagus plumosus, per bunch,	25@ 50

CINCINNATI, May 13.

Roses, Beauty, $1 00@$ 4 00	
" Bride, Bridesmaid	3 00@ 6 00
" Richmond	3 00@ 6 00
" Golden Gate	3 00@ 6 00
" Ivory	3 00@ 6 00
Carnations	1 00@ 3 00
Lily of the valley	2 00@ 3 00
Daisies	50
Callas	10 00
Harrisii	12 50
Smilax	12 50@15 00
Asparagus plumosus and Sprengeri in bunches, per bunch 25c	
Eastern Ferns, per 1000, $2 00	
Galax, Green and Bronze, $1 00	
Iris	2 00
Peonies	4 00

ST LOUIS, May 13.

Roses, Beauty, long stems	2 50@ 3 00
" " medium stems	1 50@ 2 50
" " short stems	4 00@10 00
" Bride	2 00@ 6 00
" Bridesmaid	2 00@ 6 00
" Chatenay, Richmond	2 00@ 8 00
" Killarney	2 00@ 6 00
Carnations, common	1 00@ 1 50
" best	2 00@ 3 00
Smilax	12 50
Asparagus Sprengeri	1 00@ 2 00
" plumosus, strings	25 00@40 00
" cut sprays	1 00@ 2 00
Ferns, fancy, per 1000, $2 25	
Lily of the valley	3 00
Callas	6 00@10 00
Sweet peas	2 00@ 75

MILWAUKEE, May 13.

Roses, Beauty	75@ 3 00
" Liberty, Chatenay	3 00@ 8 00
" Bride, Bridesmaid	3 00@ 6 00
" Meteor, Golden Gate	3 00@ 6 00
" Perle	4 00@ 6 00
Carnations	1 50@ 4 00
Smilax, $2 00 per doz.	
Asparagus, sprays	3 00
" Sprengeri	2 00@ 3 00
Lily of the valley	3 00
Adiantum	1 50
Common ferns, $2 00 per 1000	
Harrisii lilies $6 00@ 8 00 per 100	
Tulips	2 00
Daffodils	2 00
Sweet peas	50@ 1 00

CANTON, O.—A good deal of Easter stock remained unsold, flowers seemed to have lost a part of their charm, at least they failed to attract the prospective buyers as they have in the past, or else those by panic pinched had their eyes set on their lean and scrawny pocketbooks.

—400—

Dracænas

For sale in 4 in. pots, 10c each.

Buffalo Cut Flower Co.

495 Washington St.,

BUFFALO, N. Y.

GARDENIAS (Grandiflora Cape Jasmine.)

We will have a big supply for

MEMORIAL DAY

	Per 100	Per 1000
Class A, stems 12 to 18 inches	$1.10	$10.00
Class B, stems 6 to 12 inches	.85	7.50

500 at the thousand rate.

Orders of 3000 or more Class A $9.00 per 1000; Class B, $6.50 per 1000. F. O. B.

Cash or C. O. D.

COOK & COOK, Alvin, Texas.

C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs

Weiland & Olinger,

128 E. Third St., CINCINNATI, OHIO.

Wholesale Growers and Shippers of Cut Flowers.

Greenhouses, NEW CASTLE, IND.

WM. C. SMITH & CO

WHOLESALE FLORISTS.

Bell, Main 2018. Kinloch, Cent. 410.

1316 PINE ST., ST. LOUIS, MO.

H. G. BERNING,

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

POUGHKEEPSIE, N. Y.—Wm. Yates is preparing to enlarge his violet house.

FANCY MAIDS. Our present crop of Maids is the best lot of pink Roses reaching this market.

Yellow Chrysanthemums Novelty of the Season, per 100, $3.00. | **Adiantum Croweanum** Strictly fancy, per 100, $1.25.

Better prepared than ever with Roses, Carnations, Lily of the Valley, Sweet Peas, Daisies, etc., all in large supply. Fine line of Baskets, Ribbons, Chiffons, etc.

A. L. RANDALL CO., Wholesale Florists, L. D. Phone Canal 1496, Private Exchange all Departments **Chicago**

New York.

TRADE DULL AND MONOTONOUS.

Business was very dull throughout the past week, though Saturday showed a slight improvement in demand. Sometimes the weather is blamed without cause but there was certainly a good case against it last week. Mark Twain's definition of New England weather was completely covered, which was, that "there was always plenty of it." The cut flower trade varied between monotonous dullness and complete stagnation, and, since the drenching rain of Thursday, landscape and gardening operations are completely tied up till the land dries. There was some decrease the latter part of the week in the arrivals of roses, but there seemed to be a corresponding decrease in demand. As for lilies, let us forget them, and place a great bunch of other lesser stocks in the same category. I note that in New England they are moving to preserve the wild flowers. Let the good work go on. Let us have a society for the preservation of the apple trees, the dogwoods, etc. "The scent of apple blossoms" looks fine in a poem but this barbarous onslaught on every tree that bears a blossom is mighty tough on the men who have invested their money in greenhouse glass. If this outdoor stock that is shipped in by the carload had any merit there would be less cause for complaint, but much of it has none. The southern lilac, for instance, seemed to be all burnt when it reached here and much of the local supply seems worthless. There are many rumors floating about as to associations for this, that and the other purpose, but what is most needed is an association that would put an ironclad ban on a lot of stock that is sent to market and also place it on any dealer who handles such rubbish. May 7 was a day to be remembered in the trade of this city. Rain came early in the morning and throughout the day it poured down and driven by a high wind, even a dog caught out in it was to pitied. It is needless to add that there was a general paralysis of business.

May 11.—There is a much greater activity today than has been seen in the market since Easter. This is partly accounted for by a shortening up in the supply of stock arriving, caused by a succession of dark and cool days last week. Carnations made a sharp advance, but as the present indications are for several days of bright sunshine, the supply is likely to be greatly increased before the middle of the week.

FLORISTS' CLUB MEETING.

The regular monthly meeting of the club was held in the Grand Opera House building on the night of May 11. Considering the fine weather, the attendance was rather disappointing. A resolution of sympathy on the death of Miss Dean, daughter of James Dean of Freeport, L. I., was adopted. Miss Dean was a popular school teacher of Brooklyn, and is mourned by a very large circle of friends.

A report from the outing committee was very encouraging. There have been numerous donations to the prize fund, and it is the belief of the committee that it will offer a better programme than ever before. The steamboat, the grove and the orchestra have all been engaged, and the way seems clear for an enjoyable outing. Chairman Rickards of the house committee reported favorably on the preparations for ladies' night and requested generous donations of flowers for the occasion.

P. O'Mara brought up the question of a correct census of the florists of the country. He read a letter from Secretary Rudd of the Society of American Florists, bearing on the question. The blanks sent out by the bureau of plant industry, Department of Agriculture, were brought into the discussion. Mr. O'Mara advocated co-operation as he thought it very important that there should be as perfect a census as possible. He said, however, that some of the questions as sent out by the bureau were evidently prepared by men unfamiliar with the subject as no florist could do more than guess at an answer to some of them. J. T. Butterfield said that he believed the directory published by the AMERICAN FLORIST Co. was the nearest to a correct list of florists of anything that has been published, and he advocated its use in the census work. Vice-president Marshall reported on the progress of bowling in the contest for representation at Niagara Falls. Mr. Marshall has offered two prizes for the best averages in the preliminary contest for choice of bowlers who will represent the club at the S. A. F. tournament. The following were proposed for membership: Alexander Hogg, John Herlihy, August Millang, Alexander Donaldson, John Meisen, B. Chadwick. The following were elected: Frederick Lentz, W. G. Badgley, Chas. Lynne, Thomas Kerr, E. H. Smith, Anton Schultheis, Jr. Giant white daisies and Madam Perrett pansies were exhibited by H. Beaulieu of Woodhaven and received a vote of thanks.

NOTES.

The window decorator at Geo. M. Stumpp's retail store, Fifty-eighth street and Fifth avenue, who I have previously mentioned as a genius, has recently completed what seems to be his crowning achievement. The center-piece is a rustic well-sweep with the old oaken bucket attached by a chain, resting on the crib. A pipe from beneath furnishes water. A summer or well house has been deftly constructed, the walls of which are covered with ivies and other climbers and creepers. In the foreground is a fish pond in which a great colony of goldfish and tadpoles disport themselves and all about the banks are plants and mosses, arranged with an eye to preserving the rustic scene. It is a very original creation and a fine tribute to the handiwork of the younger Stumpp.

Secretary John Young of the Florists' Club has issued the following notice: "Members will please take notice that Wednesday evening, May 27, will be ladies' night. The house committee is making great efforts for their pleasure, but the committee must know as soon as possible how many ladies intend coming, so that suitable provision can be made for their comfort. Will you kindly drop a postal immediately to Wm. C. Rickards, chairman, 37 East Nineteenth street, that you will be present and how many ladies you will bring with you. This is absolutely necessary, so that the committee will know how many to provide for."

Adolphe Le Moult, the well known Bowery florist, has issued and dedicated to his patrons a neat booklet containing a calendar for the month of May and many poetical sentiments, and explanations of the "Language of Flowers," the latter being the title of the booklet, which, though issued for advertising purposes, nevertheless shows literary taste and appreciation in the selections.

A well known department store of this city, which also has greenhouses and a retail florist shop, advertised: "A new holiday as inaugurated by the New York Federation of Women's Clubs, Sunday, May 10. The honoring of the best mother that ever lived—your own—by wearing a white carnation on that day. 100,000 white carnations on sale at a penny apiece."

S. Hanfling, of Russin & Hanfling, dealers in florists' supplies, sailed for Europe on May 9, where he will remain about eight weeks, looking after the business interests of the firm. It is expected that when he returns a fine line of novelties will be seen in their store.

Chas. Millang was adjudicated a bankrupt May 6 and the first meeting of his creditors is to be held May 22. The liabilities are placed at $7,242.97 and the assets $4,787.15.

Frank S. Hicks & Co. are now well settled in their new store, 39 West Twenty-eighth street, where their business facilities are much improved.

Albany, N. Y.

At the last meeting of the Florists' Club John J. Walsh, head gardener in Washington park, and J. Lang were admitted to membership. Thirty-two members were present at the meeting and a most enjoyable social time was had. Among the visitors was James H. Snyder, a violet grower at Rhinebeck, who is taking great interest in the club. The committee, appointed some time ago to get out a circular for distribution among customers, reported progress. The chairman of the committee, Fred A. Danker, had been unwell for some time before the meeting. The circular will contain simple directions for the care of the more common varieties of plants purchased from the local florists. The next meeting of the club will be held at the establishment of W. C. King, Madison avenue, June 4.

W. S. Egerton, who has been identified with the present park system here since its institution over 30 years ago, has handed in his resignation to take effect June 15. Superintendent Egerton gives as a reason for his resignation the constantly increasing extent of the park system with an augmentation of duties. The many friends of Superintendent Egerton will regret to learn of his determination to sever his relations with the park system of the city. R. D.

SAG HARBOR, N. Y.—Mrs. Russell Sage is having a lot of New Jersey soil brought here, believing that it will prove better for some shrubs and ferns she has imported from Germany and Holland. She expects to occupy the old Hunting mansion in a few weeks, and work on the grounds is being hurried. Sag Harbor people, with whom Mrs. Sage is very popular, are talking humorously of the "Jerseyizing" of Long Island, as they characterize the transference of the soil.

Traendly & Schenck,
WHOLESALE FLORISTS,
44 West 28th Street, Phones, 798 and 799. New York City.

Alexander J. Guttman,
THE WHOLESALE FLORIST OF NEW YORK
43 WEST 28th STREET
PHONES, 1664-1665 MADISON SQUARE
ENOUGH SAID

J. K. ALLEN, Wholesale Commission Florist.
Consignments Solicited.
Open every day at 6:00 a. m. Telephone, 167 Madison Square.
106 W. 28th Street, NEW YORK CITY.

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JOHN I. RAYNOR
Are the best product of the best growers for the New York Market.
Adiantum Croweanum sold here exclusively.
49 W. 28th St., NEW YORK.
Tel. 1998 Madison Square.

ALFRED H LANGJAHR
WHOLESALE FLORIST
55 W. 28th Street, NEW YORK.
All flowers in season. Consignments of first-class stock solicited.
Telephones, 4626 and 4627 Madison Sq.

FORD BROS.
Receivers and Shippers of
Fresh Flowers
48 West 28th St. NEW YORK.
Telephone 3870-3871 Madison Sq.

Established 1872.
PERKINS & NELSON
Wholesale Florists
67 West 26th Street, Cor. 6th Avenue. NEW YORK.

Washington.

INTERESTING CLUB MEETING.

Prof. Charlemagne Koehler was the center of interest at the May meeting of the Florists' Club, held in Gude's hall May 5. Between the routine business matters, which engaged the attention of the members until a late hour, Prof. Koehler rendered selections from Italian operas and related some of his experiences in Ireland.

The Sunday closing bill now pending in congress was discussed at length, but no final action was taken by the club. The executive committee was given power to make recommendations. Those who took part in the debate were F. H. Kramer, W. F. Gude, Theodore Dietrich, George C. Shaffer, Nathan Hammer, and John Robertson.

At the suggestion of Mr. Kramer, president of the club, a vote was passed recommending that the club attend in a body a special benefit entertainment for Prof. Koehler, to be given at Rauscher's on the evening of May 19. Plans were made to raise money to send the bowling team representing the club to the national tournament at Niagara Falls. A luncheon was served after the business session.

WOBURN, MASS.—Lewis R. Jackson has opened a retail store at 14 Montvale avenue.

Charles Millang. August Millang.
MILLANG BROS.
Wholesale Commission Florists,
41 West 28th Street, Telephones 3860-3861 Madison, New York.

Wholesale Flower Markets

NEW YORK May 13

Roses, Beauty, special	12 00@15 00
" " fancy	8 00@10 00
" " Nos. 1 2 and 3	1 00@ 6 00
" Richmond	1 00@12 00
" Bride, Bridesmaid, Killarney	
Special	4 00@ 5 00
No. 1	1 00@ 2 00
No. 2	50
Carnations, fancy	2 00@ 3 00
" common	1 50@ 3 00
Lilies	50@ 2 00
Lily of the valley	1 00@ 2 00
Asparagus plumosus strings	25 00@40 00
" per doz. bunches	2 00@ 3 00
Smilax	8 00@10 00
Cattleyas	50 00@60 00
Gardenias	3 00@10 00
Callas.....per dozen 30@ 60	
Mignonette	1 00@ 4 00
Jonquils	50@ 75
Sweet peas.....per dozen bunches	50@ 75
Tulips	50@ 75
Snapdragon	75@ 1 00
Stocks	50@ 1 00
Lilac.....per bunch 10@ 25	
Pansies	50

J. Seligman. Joseph J. Levy.
John Seligman & Co.
WHOLESALE FLORISTS,
56 West 26th Street, NEW YORK.
Opposite N. Y. Cut Flower Co.
Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best Prices. Satisfaction guaranteed. Tel. 4878 Madison.

John Young
WHOLESALE FLORIST,
51 West 28th St., NEW YORK CITY
Long Distance Telephone, 4463-4 Madison Sq.

Cleary's Horticultural Co.
62 Vesey St., NEW YORK.
HORTICULTURAL PRODUCTS
WHOLESALE AUCTION
Consignments, Quotations and Correspondence Solicited.
Sales every Tuesday and Friday.

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54 W. 28th St., NEW YORK. Consignments of Choice Cut Flowers Solicited. Prompt payments. Give us a trial. Telephone 3559 Madison Square.

Moore, Hentz & Nash,
Wholesale Commission Florists
55 and 57 West 26th Street,
Telephone No. 756 Madison Square. NEW YORK.

HORACE E. FROMENT
WHOLESALE COMMISSION.
American Beauty Roses a Specialty. Roses, Violets, Carnations, Valley, Lilies, Etc.
57 West 28th St., NEW YORK CITY
Telephones: 2200 and 2201 Madison Square.

Walter F. Sheridan
WHOLESALE FLORIST,
Telephones: 3532 and 3533 Madison Sq.
39 West 28th St., NEW YORK

Young & Nugent,
Telephone, 2065-2066 Madison Sq.
42 West 28th St., New York
To out-of-town Florists: We are in the Heart of
And give Special attention to Steamer and Theater orders. Prompt deliveries and best stock in the market.

N. Y. Cut Flower Exchange
Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable Wall Space to Rent for Advertising.
V. S. DORVAL. Secretary.

Samuel A. Woodruff
WHOLESALE
PLANTSMAN AND FLORIST
53 W. 30th St., NEW YORK.
Out of town orders a specialty.
083 Madison. Consignments solicited

Buyers of Cut Flowers

Will find a reliable source of supply in dealing with

THE LEO NIESSEN CO., Wholesale Florists, **1209 Arch St., Philadelphia, Pa.**

Philadelphia.

MOTHER'S DAY CAUSES DEMAND.

The feature of the week was the rush of business on Saturday. It had been quiet all week but almost without warning a demand sprung up on Saturday morning which continued and kept the boys on the go all day long. Everything in white flowers sold out clean, the principal demand being for white carnations. It was the first celebration of Mother's day, when everyone, man, woman and child, was to honor the "best mother in the world, their mother," if happily they still enjoyed her companionship, by wearing a white flower or if she had passed away, wear a white flower in memory of her. It is proposed to make this an annual event to be commemorated on May 10 each year. This custom is said to have originated in this city, being the idea of a lady resident, which was taken up by the city press and spread in a few days so that it is said to have been observed quite generally in many of the adjacent states. Owing to the short time or notice that was given to it, its observance was not at all general here, when one takes into account the whole population. Yet the demand was enough to use up every white carnation in sight and was a godsend to the commission houses, where the whites had been hanging fire and had, for a long time, been the hardest to sell. It is hoped that with the favorable way in which the idea of Mother's day was received that it will become, in time, one of the great flower days of the year. Why could not the idea be carried out so that the last resting place of those who have passed away should have placed thereon a bunch of white flowers? It would be a beautiful custom and much might be done by the craft in an unostentatious way to bring it about. The cool weather of late has kept down the surplus considerably, still there is more than enough to go around and prices rule low. American Beauty has ruled a trifle higher, $2 being asked for the best, 50 cents higher than last week. Carnations also moved up until the fancy brought as high as $4. Spanish iris is in, $1.50 to $2 being the price. Lilacs are done and peonies are promised the latter part of the week with snowballs a day or two later.

NOTES.

The Florex Gardens are well satisfied with the product of their large house. The immense cut of American Beauty has been moved constantly and even now the demand is for more than can be cut. The braces and trusses of the house are being gone over and tightened up so as to make it as rigid as possible. An addition of 30x170 feet is being put to each of the two carnation houses which will double their present capacity.

Wm. McKissick filled a large order of carnations and spring flowers the past week. He says things are moving along well for the season. A crop of particularly fine American Beauty from one of his rose growers is the pride of his establishment at this time.

The Leo Niessen Co., is enjoying a good spring business. American Beauty is selling up close and an immense crop of sweet peas moves off lively. Some splendid cattleyas and lælias were seen here the past week.

E. Reid handles carnations in quantity and sends them out by more than the tens of thousand at one time. An order of 25,000 in one shipment a week ago still left him with a nice stock on hand.

John McIntyre handled a wagon load of lilacs each day last week. His white was very fine and equal to the best inside stock. K.

Boston.

COMPLETE STAGNATION.

A week similar to the one just past is not to be found in the annals of the flower business in the last 20 years and frequently the opinion is voiced that the present season is without precedent. Complete stagnation faces tradesmen who have products to market. Goods of all kinds are delivered to salesmen but there they remain until they are removed to the waste pile, the destination of approximately 50 per cent of each day's receipts. Unheard of prices now secure the cream of the season's favorites. The best of stock only is found salable, mainly because of the cheap rates prevailing. Carnations are rapidly falling behind in quality and sales except to street venders amount to but little worth noting. A very good selection of Killarney rose is available and the demand for roses is confined greatly to this and Richmond. The latter rose is showing the effects of the season and those now seen offer no comparison to the superior stock of the early part of the year. Gladioli, irises and antirrhinums are attractive purchases among a varied assortment of the season's novelties, and an abundance of sweet peas and lily of the valley lead in the class of smaller favorites. An excellent lot of cattleyas is coming in and are the only flowers retaining their normal market value. Five dollars per dozen is the prevailing price and little objection is heard from the buyers who realize the worth of this superb flower when seen in its present condition.

NOTES.

A. Roper's new carnation, Bay State, which, when displayed this winter, met with unanimous approval, is showing up splendidly. This is one of the many new varieties which the best authorities agree has come to stay, possessing those requisites essential in a commercial carnation and which a great majority of the newest varieties lack.

Welch Bros., who do a large shipping business with the most important Canadian cities, report the present season's trade a record breaker. Many new fields have been opened and in the flower business the prospects are very bright for the future.

Thos. F. Galvin is expected home during the week from Europe where he has spent the past month. B.

Massachusetts Horticultural Society.

The following are the awards at the exhibition of the Massachusetts Horticultural society, May 9 and 10, 1908:

Plants.—Calceolarias. Six varieties in pots: James Crosbie, first. Pelargoniums—Six named show or fancy varieties in bloom: William Whitman, first. Tulips—Late single, named varieties, one 8-inch pan of each: William Whitman, first, 12.

Cut Flowers — Tulips — Forty-eight blooms, not less than 12 named varieties: William Whitman, first. Hardy narcissi—Collection of 50 vases of not less than 10 named varieties: Langwater Gardens, first; William Whitman, second. Pansies—Forty-eight blooms, not less than 24 varieties: Mrs. A. W. Blake, first; Mrs. E. M. Gill, second; Mrs. A. W. Blake, third.

Gratuities—Miss Ellen A. Mansfield, antirrhinums; J. T. Butterworth, lily of the valley; Mrs. Frederick Ayer, Spanish iris; Hon. J. R. Leeson, display of orchids; Harvard Botanic Garden, miscellaneous display; Mrs. E. M. Gill, display; William Whitman, display; W. S. Spaulding, collection of flowering plants; Langwater Gardens, vase of Phlox Mme. Lingard. First class certificate of merit: J. T. Butterworth, Cattleya Mossiæ, Mrs. Butterworth; honorable mention, R. and J. Farquhar & Co., display of 50 varieties of tulips; vote of thanks, W. W. Rawson, display of tulips.

J. J. Harty & Company

Wholesale and Commission

.FLORISTS.

1312 G St., N. W., Washington, D. C.

Phone Connection Main 5011

Pittsburg.

A GOOD WEEK.

One of the most satisfactory weeks of the season has just passed. The demand all week was good on most all lines and Saturday wound it up with a clean up. Last Sunday was Mothers' day and the order of the day was to wear a white carnation. The florists did not pay particular attention to it until Saturday when the demand for white carnations was so great they were quickly cleaned out and they soon found it was impossible to obtain any in the city. Roses are moving better than for some time; lilies and smaller flowers are also moving nicely.

NOTES.

Mr. Allers, father-in-law of T. P. Langhans, died at his home in Allegheny, May 6.

Ernest Zieger states that business is keeping up very well with him.

P. J. Demas spent most of the week in New York. J.

Montreal.

WEDDINGS NUMEROUS.

Business the last week consisted mainly in the making of wedding bouquets and wedding decorations. One florist when interviewed said that judging by the number of bouquets made every day, everybody seems to be getting married. The empty benches made by the Easter trade were rapidly filled with bedding plants, chiefly geraniums, of which there will be more grown than ever, as these can always be sold at a good price, $1.50 for the 4-inch size. All other lines of bedding plants are grown this year in the usual quantity except pansies, of which there was always a shortage, and consequently are grown about one-third more than last year.

At the last monthly meeting of the Gardeners' & Florists' Club Prof. Gardener of the MacDonald college, St. Anne de Bellevue, read an interesting paper on "Fumigating With Hydrocyanide Acid Gas." The essayist gave a very detailed description of the use of the same, he also had a glass bottle of potassium cyanide with him which was shown around to

Everything Seasonable.

PITTSBURG FLORISTS' EXCHANGE, —15— Diamond Sq., Pittsburg, Pa.

AMERICAN BEAUTIES
Lily of the Valley, Carnations and all Tea Roses,
In lots of one hundred to one thousand. Phone or wire us.
WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

GRAFTED AND OWN ROOT ROSES
KAISERIN, CARNOT, KILLARNEY, RICHMOND, LIBERTY, BRIDE and BRIDESMAID.
—Send For Prices—
W. H. ELLIOTT. BRIGHTON MASS.

Pittsburg Cut Flower Co.
(Limited)
WHOLESALE FLORISTS
222 Oliver Ave. PITTSBURG, PA.

CARNATIONS in quantity. Special prices on large orders.
ABSOLUTELY THE BEST POSSIBLE SERVICE.
W. E. McKissick
WHOLESALE FLORIST,
Business Hours 7 a.m. to 8 p.m. 1619-1621 Ranstead St, PHILADELPHIA, PA.

let the members see what the material looks like; several of the members expressed their intention to use this method of fumigation in future. Thos. Pewtress read a paper on "Calanthes," which was well received, he also promised an exhibit of outdoor cut roses for the first meeting in July.

S. S. Bain is dangerously ill with pneumonia in the Victoria hospital. We all wish him a speedy recovery. The greenhouses of the Catholic cemetery are growing this year more bedding plants than ever before. LUCK.

Buffalo.

FUNERAL WORK PLENTIFUL.

Cold and rain have been the conditions the past week and trade suffered accordingly. Stock continues good, with the exception of violets, which are growing poorer in quality each day. Funeral work is about all that kept the florists busy.

NOTES.

The Florists' Club held its regular meeting last Tuesday evening and considerable business was transacted. The essay committee gave the members a treat when Geo. McClure, Jr., read his paper on orchids. It was a fine paper and much appreciated by the growers and store men present. The sports committee outlined their plan for the bowlers and a series of 15 games are to be rolled, when 10 men wil be picked out for final practice, from which the bowling team for the S. A. F. convention will be chosen. The entertainment committee will have something new for next meeting. President Sandiford entered in the individual bowling tournament last week and landed a prize against bowlers from all over this state.

J. Roland Cloudesley, who has managed the Wm. Scott Co.'s store for several years, has started for himself, and will open for business at 585 Main street, formerly occupied by J. H. Rebstock. Roland is a bright, hustling young man and should be succesful; we wish him all success.

It seems strange that the outside public have the pleasure of listening to music from a musical flower man before the B. F. S. have been honored with him, but we expect to have James Walton, of Palmer's, favor us with his presence at a meeting in the near future.

The Wm. F. Kasting Co. has added another large cool room, which is a great improvement and what is wanted for its extensive business.

J. B. Wiese, of the Chippewa Market, is at his store again, after a few weeks' illness.

J. B. Murdoch & Co.
714 Penn Avenue,
PITTSBURG, PA.
All Seasonable Flowers.

Wholesale Flower Markets

PHILADELPHIA, May 13.

Roses, Tea	4 00@ 6 00
" " extra	8 00@10 00
" Liberty	6 00@25 00
" Beauty, extra	20 00@25 00
" " first	10 00@15 00
Carnations	1 50@ 3 00
Lily of the valley	2 00@ 3 00
Asparagus, bunch	50 00
Smilax	15 00@20 00
Adiantum	1 00@ 1 50
Cattleyas	50 00@60 00
Lilium Harrisii	6 00@ 8 00
Mignonette	2 00@ 3 00
Sweet peas	50@ 75
Gardenias	15@ 25

PITTSBURG, May 13.

Roses, Beauty, specials	30 00@35 00
" " extras	20 00@25 00
" " No. 1	10 00@15 00
" " ordinary	4 00@ 8 00
" Bride, Bridesmaid	2 00@ 8 00
" Chatenay	2 00@ 8 00
" Richmond	3 00@10 00
" Perle	6 00@ 8 00
" Killarney	00@10 00
Carnations	2 00@ 3 00
Lily of the valley	3 00@ 4 00
Smilax	12 50@15 00
Asparagus, strings	50 00
" Sprengeri	3 00@ 4 00
Lilies	10 00@15 00
Adiantum	75@ 1 00
Cattleyas	75 00
Sweet peas	50@ 75
Candytuft ..... 25c per bunch	
Snapdragon	3 00

BOSTON, May 13.

Roses, Beauty best	20 00@25 00
" " medium	12 00@16 00
" " culls	6 00@12 00
" Bride, Bridesmaid	1 00@ 2 00
" Extra	4 00@ 8 00
" Liberty	8 00@12 00
Carnations	1 00@ 2 00
" Fancy	2 00@ 3 00
Smilax	8 00@12 00
Adiantum	75@ 1 00
Asparagus	35 00@ 0 00
Harrissi	10 00@12 00
Callas	8 00@12 00
Daffodils	1 00@ 2 00
Narcissus	2 00@ 3 00
Sweet peas	50@ 1 00

Wm. Scott, Sr., was taken sick last Tuesday and is confined to his home.

Visitors: J. S. Simmons, Toronto, Ont.; E. J. Fancourt and C. S. Ford, Philadelphia, Pa. BISON.

For Decoration Day
Peonies, all the leading varieties in any quantity. Also plenty of Snowballs and Iris.
JOHN W. McINTYRE,
1601 Ranstead St., PHILADELPHIA.

NEWS NOTES.

PORTLAND, ME.—J. W. Minnott & Sons are starting shortly on the erection of a new greenhouse.

HINSDALE, MASS.—Oro Dudley, of Adams, read an interesting paper on "Horticulture" at the meeting of the Berkshire County and local Granges, May 7.

ROCHESTER, N. Y.—The park board recently voted to lease four acres of land adjacent to Highland park to be used for nursery purposes. It was also decided to erect a cement house in Genesee Valley park at a cost of $150, for picnic purposes. A horse and wagon, not to cost more than $400, for interpark communication, will be bought. Fully 70 band concerts will be enjoyed in the parks this summer, the appropriation being ample.

MANAYUNK, PA.—Wm. Butz, of Easton, who had recently secured a position as a florist with John Albright, at West Laurel Hill, near Pencoyd, was held up by two men in an alley at Jamestown and Apple streets, and robbed of his watch and other valuables. Butz, who had been to Roxborough, asked the men to direct him to his new boarding house, at Pencoyd, as he had lost his way. They took him to the dark alley and in real highwaymen style made him hold up his hands at the point of a revolver.

RICHMOND, VA.—Seven large new greenhouses are being built by Ratcliffe & Tanner in addition to the large number now on their farm near the end of the Northside line. When the new houses are completed this company will have between six and eight acres of glass covering beautiful and rare plants and flowers. Several of the houses will be devoted to the propagation of rare palms and ferns imported from Europe, and orchids. Especial arrangements are being made now for the heavy fall and winter trade in cut flowers, palms, ferns and pot plants of every description. The brilliant Easter display in the stores of the company, 25 West Broad street, has everywhere been conceded to be the finest ever seen here.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

London, Eng.
COMMISSIONS CARRIED OUT IN LONDON
or any part of Great Britain.
Messrs. WILLS & SEGAR will attend to any commissions from American florists for the supply of Cut Flowers, Birthday flowers, Bouquets, High Class Floral Designs, etc. to their clients who may be traveling in England.
WILLS & SEGAR, Court Florists to His Majesty, The King.
ROYAL EXOTIC NURSERY.
TELEGRAMS Onslow Crescent, South Kensington,
FLOSCULO, LONDON. LONDON, ENGLAND.

Philadelphia, Pa.
Robert Kift,
1725 Chestnut Street.
Prompt and Careful Attention given to all Mail and Telegraph orders.

Louisville Notes.

WEATHER HINDERS PLANTING.

Owing to so much rain, very little planting has been done in the way of roses and bedding plants. Potatoes that were planted have rotted; also onion seed, so that onion sets will likely be scarce in this section, and all kinds of garden truck will be late.

Anders Rasmussen bought the greenhouses of Mrs. C. W. Reimers, about 40,000 feet of glass, and will remove them and add them to his plant at New Albany, Ind. Mrs. Reimers, having disposed of her greenhouses, will either sell the ground in lots or build dwelling houses to rent, the land having become too valuable for greenhouse purposes.

Chas. W. Reimers, who sold out his greenhouse establishment a year or so ago and went to California and engaged in the real estate business, has now taken charge of the greenhouses at the reformatory at Jeffersonville, Ind.

The Kentucky Society of Florists is in a flourishing condition and holds regular meetings. At the last meeting Robt. Miller, foreman for Mrs. Kunzman, and Fred L. Schulz, the wholesale florist, read interesting essays.

Wood & Stubbs' new seed store, a three story brick building, is nearing completion. This firm has been in business only a few years, but is now doing a business something near a quarter of a million.

P. G. Reynolds, formerly foreman for Mrs. Hodges, has bought six acres of land, is erecting a number of greenhouses and will grow carnations as a specialty.

Wm. Walker has leased a larger and more commodious store in a better location and will soon move to his new quarters.

Chas. Rayner, president of the Anchorage Rose Co., will go on a visit to relatives in England next month.

Willis Reynolds, formerly with F. Walker & Co., was married May 6.

W.

CHATTANOOGA, TENN.—Outdoor flowers in plenty checked the florists' trade here at Easter but Easter lilies were in good demand according to Mrs. J. W. Drouch.

Detroit, Mich.
John Breitmeyer's Sons
Cor. Miami and Gratiot Aves.
Artistic Designs.
High Grade Cut Blooms.
We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Omaha, Neb.
Hess & Swoboda,
FLORISTS,
1415 Farnum St. TELEPHONES 1501 and L 1582

Kansas City, Mo.
Samuel Murray
...FLORIST...
1017 Broadway Coates House Conservatory
Both Phones 2670 Main.
Write, Telephone or Telegraph. All orders given prompt attention.

Los Angeles, Cal.
J. W. Wolfskill,
FLORIST,
Telegraph Orders a Specialty. 218 W. 4th St.

Boston, Mass.
HOUGHTON & CLARK,
FLORISTS
Telephone Connection. 396 Boylston St.

Seattle, Wash.
Woodland Seed & Floral Co.,
808 Second Avenue.
Will fill all orders for Cut Flowers, etc. for steamers for Japan and Alaska or any part of the Pacific coast. A. L. AABLING, Gen. Mgr.

Lexington, Ky.

The Easter business was just as good as last year, flowering plants especially moving well. The cut flowers, roses, carnations and lilies had the call. Bulbous stock moved slowly, outdoor beds being in full bloom. Spring planting is about to open up and we expect to dispose of large quantities of geraniums, roses, cannas, salvias, etc.

Two houses, for roses and carnations, each 33 by 200 feet, are being added to John A. Keller's plant; a pair of large tubular steam boilers are also being set in place, large enough for future additions. When completed this will be one of the best places in this section.

GLOUSTER, O.—Easter business with us was below the average this year. Trade in bedding plants is opening up fairly good and we look for a good Decoration day trade.

Brooklyn, N. Y.
Robert G. Wilson
Fulton St. and Greene Ave.
Greenhouses: Short Hills, N. J.
— Deliveries in —
Greater New York, Long Island and New Jersey.
Trade orders from all parts of the country filled for delivery at residence, steamer, hotel, or theater on wholesale basis. Satisfaction guaranteed. Wire or telephone.

Evansville, Ind.
THE
Wm. Blackman Floral Co.
402 MAIN STREET.
Prompt attention given to all mail, telephone and telegraph orders.

Galveston, Tex.
Mrs. M. A. Hansen
—FLORIST—
Special attention to Telegraph or Telephone orders. 'Phone 1912.

St. Paul, Minn.
HOLM & OLSON,
ST. PAUL.
THE LEADING FLORISTS OF THE NORTHWEST
Orders will be well cared for anywhere in MINNESOTA AND THE DAKOTAS.

Rochester, N. Y.
J. B. KELLER SONS,
FLORISTS,
25 Clinton Avenue, N.
Rochester Phone 506. Long Dis. Bell Phone 2189.

Washington, D. C.
Blackistone
14th and H Streets.

New Orleans
CUT FLOWERS
For Tourists and General Trade.
Wire or mail. Highest Grade Stock Only.
URIAH J. VIRGIN, 838 CANAL ST.

Denver, Colo.
FLORAL DESIGNS AND FLOWERS
Best Quality on Shortest Notice
DANIELS & FISHER
Order by mail, telephone, telegraph or cable. Cable address: "Daniels, Denver."

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

Chicago.
Established in 1857.
Wittbold FLORIST
1657-1659 Buckingham Place,
L. D. Phone 558 Lake View.
Send us your retail orders.
WE HAVE THE BEST FACILITIES IN THE CITY

San Francisco, Calif.
J. B. Boland Co.
Successors to Sievers & Boland.
FLORISTS,
47-49 Geary Street.

Cleveland, O.
The Cleveland Cut Flower Co.
Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

New York.
MYER, FLORIST,
609-611 MADISON AVE.
Phone 5297 Plaza.

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WASHINGTON D. C.
Gude's.

St. Louis, Mo.
WRITE, WIRE OR PHONE YOUR ORDERS TO
YOUNGS,
1406 Olive Street.
Regular discount allowed on all orders, either Plants or Cut Flowers.
Phones Bell, Main 2306. Kinloch, Central 4981.

Dayton, O.
Matthews,
—FLORIST—
16 W. 3rd Street.
Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones

Chicago.
HAUSWIRTH FLORIST
M. C. and J. E. Hauswirth.
Auditorium Annex.
Mail, telegraph or telephone orders filled promptly in best style.

St. Louis, Mo.
Fred C. Weber,
FLORIST,
Established 1873. Bell, Lindell 676. 4320-4328 Olive St.

Milwaukee, Wis.
C. C. Pollworth Co.
Will take proper care of your orders in WISCONSIN.

Louisville, Ky.
JACOB SCHULZ,
644 FOURTH AVENUE.
Cut Flowers of BEST QUALITY in season, delivered promptly to any address.
Write, Telegraph or Telephone
Cumberland and Home Phones 223 and 984

A sign like this in your window will draw good business now.

Steamship Sailings.

WEEK ENDING MAY 24.

May 19, Kronprinz Wilhelm, New York-Bremen.
May 19, Kais. Wil. der Grosse, Bremen-N. Y.
May 19, Ivernia, Boston-Liverpool.
May 19, Saxonia, Liverpool-Boston.
May 19, Slavonia, Trieste-New York.
May 20, Haverford, Liverpool-Philadelphia.
May 20, Lucania, New York-Liverpool.
May 20, Adriatic, New York-Southampton.
May 20, Oceanic, Southampton-New York.
May 20, Laurentian, Boston-Glasgow.
May 20, Parisian, Montreal-London.
May 20, Noordam, New York-Rotterdam.
May 20, Breslau, Baltimore-Bremen.
May 21, La. Touraine, New York-Havre.
May 21, Dominion, Liverpool-Montreal.
May 21, Cedric, New York-Liverpool.
May 21, Celtic, Liverpool-New York.
May 21, K. Augusta Victoria, N. Y.-Hamburg.
May 21, Amerika, Hamburg-New York.
May 21, Koenig Albert, Genoa-New York.
May 21, Menominee, Antwerp-Boston.
May 22, Victorian, Montreal-Liverpool.
May 23, St. Louis, New York-Southampton.
May 23, St. Paul, Southampton-New York.
May 23, La Provence, Havre-New York.
May 23, Canada, Montreal-Liverpool.
May 23, Cymric, Boston-Liverpool.
May 23, California, New York-Glasgow.
May 23, Columbia, Glasgow-New York.
May 23, Pretoria, New York-Hamburg.
May 23, President Grant, Hamburg, New York.
May 23, Ryndam, Rotterdam-New York.
May 23, Zeeland, New York-Antwerp.
May 23, Finland, Antwerp-New York.
May 23, Germania, New York-Naples.

Kansas City, Mo.
WILLIAM L. ROCK Flower Co.,
Will carefully execute orders for Kansas City and any town in
Missouri, Kansas or Oklahoma.

Indianapolis, Ind.
Bertermann Bros. Co.
FLORISTS
.....241 Massachusetts Ave:

Albany, N. Y.
EYRES
Flowers or Design Work.
DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.
11 NORTH PEARL STREET,

Denver, Colo.
The Park ...Floral Co.
J. A. VALENTINE, President.

M. A. Bowe
IN HEART OF NEW YORK CITY.
Phone, 2270 38th St. 1294 Broadway, N. Y.
Our Motto—THE GOLDEN RULE.

Kansas City, Mo.
GEO. M. KELLOGG,
906 Grand Avenue,
KANSAS CITY and PLEASANT HILL, MO.
Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

Buffalo, N. Y.
Palmer's
. Palmer & Son. 304 Main St.

Nashville, Tenn.
Joy Floral Co.,
610 CHURCH STREET.

Atlanta, Ga.
ATLANTA FLORAL CO.
41 PEACHTREE STREET.

The Seed Trade.

American Seed Trade Association.
Geo. S. Green, Chicago, Pres.; M. H. Duryea, New York, First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-sixth annual convention, June 23 to 25, at Hotel Ponchartrain, Detroit, Mich.

CINCINNATI, O.—J. Charles McCullough and wife are spending a month at Atlantic City.

LOUISVILLE, KY.—Wood & Stubbs' new seed store, a 3-story brick building, is nearing completion.

BEANS.—It is too early to say how far early prospects of overstock proved true, as there is quite a little selling season for these remaining.

FRENCH GROWERS report, April 30, that the crop of Paper White narcissi is not as good as in previous years, owing to lack of spring rains.

WASHINGTON, D. C., May 11.—The appropriation bill which carries the free seed distribution for the coming year passed the senate today.

THE South Jersey Seed Co., of Camden, N. J., is a new concern recently incorporated with a capital of $10,000, the incorporators being, John A. Ballenger, Geo. H. Horner and Oscar B. Redrow.

A PROTEST by a San Francisco firm against paying duty on sessamum seed, on the ground that it was grass seed, and therefore free of duty, was overruled by the board of appraisers, April 28.

CONTINUOUS rains have stopped or seriously delayed planting everywhere. St. Louis gardeners have to put boards between their rows of radishes to walk on in pulling the crop. All low lands are afloat in the west.

PORTLAND, ORE.—The Chas. H. Lilly Co., seedsmen, distributed flower seed packets April 16 in connection with a coupon arrangement with the Telegram, a local newspaper. Several thousand patrons carried away seeds that day.

H. W. FISHER, manager of the seed department of Montgomery Ward & Co., Chicago, will retire June 30 and after a few weeks' vacation, with some other interested parties, proposes to establish a mail order seed business in the same city about September 1.

PARIS, FRANCE, May 1.—The prospects for some of the seed crops, especially of garden beets, turnips and onions, are not of the best. Some of the beets, Crosby's and Detroit, and Icicle radish will fall below contracts and will be high in price again next fall.

A MEETING of the executive committee of the Western Seedsmen's Association will be held at the Auditorium Annex this week, May 16, at 10:30 a. m. Among those expected to attend are H. A. Johns, Mel L. Webster, Henry Windheim, J. E. Northrup and L. L. May.

Braslan Seed Growers' Co.
Growers for the Wholesale Trade Only.
SAN JOSE, CAL.

SENATE BILL 6515, introduced April 6, provides for restrictive legislation against insecticides, Paris green, etc., with many drastic provisions and prison penalties. It is evident from the similarity of many of the paragraphs to those of the pure food law and the proposed seed law that an organized effort is being made to legislate many industries into bureaus under restriction and inspection.

CHICAGO.—J. W. Thorne, of the well known mail order house of Montgomery Ward & Co., says that his firm will not further promote the seed department of the business until such time as it is independent of sources of supply. Practically, this means that the firm is out of the seed business for the present except that it will continue to take care of such orders as may be received.—Visitors: Linnæus Allen, Floral Park, N. Y.; J. Eckstein, of the Whitney-Eckstein Seed Co., Buffalo, N. Y.

MILFORD, CONN.—The Everett B. Clark Seed Co. reports that its usual acreage of various seed crops is all planted, with the exception of corn, on which the firm is now at work. If another cold season is experienced like that of a year ago, and at date of writing, May 6, the weather is more like March than May, the effect upon the corn crop will be even more disastrous on account of the fact that the seed which has to be planted this season is in nine cases out of ten weaker than was planted a year ago. Onions have started fairly well, the acreage being somewhat restricted when compared with that of a year ago.—This concern's acreage in Michigan and Wisconsin is greater than heretofore. This department of its business is growing quite rapidly from year to year. Contracting was much more difficult than ever before, but with the advance in prices and unusually energetic solicitation on the part of the farmers, all its stock has been planted.—Stocks are well cleaned up, peas, beans and corn being practically bare.

Bushnell Celebrates Birthday at Sea.

On Sunday, April 26, David I. Bushnell, of St. Louis, Mo., the popular ex-president of the American Seed Trade Association, celebrated his sixty-second birthday on the S. S. Adriatic, enroute to Europe. The guests at Mr. Bushnell's round table presented him with a "Loving Cup," which, while small, was supplemented by many another glass of pommery, "Nature 1900," in drinking to the health and happiness of their "sixty-two year young" friend.

Mr. Bushnell was in his happiest mood and while a gale was raging, everything was lovely at his table, even the cutting and enjoyment of the special birthday cake which the pastry cook prepared and decorated appropriately by request of Mrs. Burpee.

Mr. Bushnell landed at Cherbourg and proceeded directly to Paris, while Mr. and Mrs. Burpee did not disembark until the final port of Southampton, Eng., was reached, April 30.

Livingston's Pigeon Roost Onion Farm.

The Livingston Seed Co., Columbus, O., purchased 150 acres of land a year ago at Kirkersville, east of the city, for an onion farm, or rather farms, as there are two distinct places. One is a high lying tract of sandy loam, with gravel subsoil, well adapted to onion seed culture; the other consists of fine peat or reclaimed muck soil, being an old pigeon roost swamp, where for many years the wild pigeons roosted by millions. This is unsurpassed for the growth of fine onion bulbs.

These farms are to be used by the firm for the production of high grade onion seed, sets, potato onions, etc. The soil has been ditched and well drained by tile branches and all kinds of vegetables do well there, as well as plants, so that the firm will be enabled to secure very fine produce for its trade. The company is erecting a barn, warehouse and factory for the care and handling of seed and roots. Besides the ground mentioned above 200 acres of tomatoes are to be grown this year for seed that will be washed and seeded and the pulp secured in the factory above noted. The place will be known as Livingston's Pigeon Roost Onion Farm and will be under the management of A. Wilmer Livingston.

Seedsmen's Hearing on Proposed Seed Bill.

In our last issue we gave a number of the opinions of the proposed seed bill, H. R. 13835, as expressed by some of the seedsmen at the public hearing before the Committee on Interstate and Foreign Commerce at Washington, D. C., April 21, and now append summaries of the views of E. V. Hallock and J. C. Vaughan as follows:

E. V. Hallock believed that the Bureau of Plant Industry should notify any individual or firm when its seed packets tested by them were found to be deficient in vitality, asking him, as a criminal is asked before he is hung, if he has any reason why sentence should not be passed. It is strange to state that no seedsman is in control of his product before it reaches his hand. This is not all. When this product is sold by the seedsman and passes into the hands of his customers, it is sown by almost innumerable planters, each one of whom may plant the seed under adverse conditions, not having expert knowledge of the same; climate, drought and flood enter into results attained by perhaps 200,000 customers of one seed firm. The business of the seedsman of 12 months is crowded into three months, the filling of orders amounting to several thousand every day which leaves room for many errors, perhaps more than in any other business that can be systematized and worked out on a basis of 12 months' demand. Think of 300,000 customers planting these seeds, two-thirds of whom are almost entirely inexperienced. Loss of confidence in their seedsman by such customers means ruin to the seedsman. You will easily see that the seedsman works under somewhat more difficult conditions than an ordinary tradesman. First, having no control of the quality of his crop coming in and no control of the crop when it has gone out. He is at the mercy of the people who plant his seeds. Again there is always the possibility of a dishonest man who plants this seed and makes unjust claims for which he asks damages. The words "warranty," "guarantee," and "responsibility" do not mean anything at all unless an amount is expressed after these words. If the purchaser in buying a pound of seed asks for a guarantee of $2.50, or $10.00, or $100, or $600, for his pound of seed, he can have it, let him say what he wants, pay for the insurance and secure his guarantee if he will pay the proper percentage.

J. C. Vaughan protested against what seemed to him the unfair intent and purpose of the act. Because in the importation of foreign grass and clover seeds certain abuses had been found, it was now proposed to legislate the entire seed trade of the United States into a restricted or fraud class, in line with patent medicine frauds. He contended that the seed industry was in itself a benefi-

cent one, and in the main highly reputable. The drastic nature of the law, with excessive fines and prison penalties, was uncalled for in the conduct of the seed business as a whole. There was no evidence that the abuses complained of in imported field seeds or the low tests on some commission box packets were in proportion to the volume of trade done, such as to demand this restrictive legislation, or put the seed industry into the fraud class. While he would be willing to agree to a "weed seed" law, with perhaps something further to regulate the vitality of packet seeds, he would not accept as necessary any such law as illustrated by the general tenor of Bill H. R. 13835 and the accompanying report.

Imports.

During the week ending May 9 imports were received at New York as follows:

J. Roehrs & Co., 184 tubs laurel trees, eight cases plants.

McHutchison & Co., 54 cases plants.

H. F. Darrow, 38 cases plants.

Vaughan's Seed Store, seven cases plants.

Wadley & Smythe, seven cases plants.

J. D. Nagel, one pkg. trees.

To others, 354 pkgs. plants, 111 cases plants, one bdl. plants, 59 tubs laurel trees, 10 cases plants, five boxes lily bulbs, one pkge. rose trees, 1948 bags seed, 50 bags clover seed.

Choicest Seeds

Of all the **Best Strains of Florists' Flowers** seen at the London Exhibitions during the past thirty years. These can be obtained, and also plants by post, from

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Home of Flowers, SWANLEY, ENGLAND.

W. J. Eldering & Son,

Wholesale Bulb Growers and Dealers.

OVERVEEN. HAARLEM. HOLLAND.

Headquarters for High Grade **Hyacinths, Tulips and Narcissi.** We do not sell at Retail. Write for special quotations on large quantities.

Address our **G. C. Eldering, care Hotel Seville Madison Ave. and 29th st., New York.**

FISKE SEED CO.

Can supply new, fresh seed to the florists for immediate use.

ASTER SEED A SPECIALTY.

Special florist list free.

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Contract Seed Growers,

Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.

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Write for Prices on Surplus Stocks to Immediate Shipment.

MICE PROOF SEED CASES.

SEND FOR BOOKLET.

HELLER & CO., Montpelier, O.

LAWN GRASS SEED in Bulk and Packages

Dickinsons, Evergreen, and Pine Tree Brands

SPECIAL MIXTURES SEED FOR **GOLF GROUNDS**

MINNEAPOLIS THE ALBERT DICKINSON CO. CHICAGO

Cycas Revoluta Stems

JUST ARRIVED.

25 lbs., $2.00. 100 lbs., $7.00.

Asparagus Plumosus Nanus

$3.00 per 1000.

Asparagus Sprengeri

75c per 1000.

Moore & Simon,

339 Market Street,

PHILADELPHIA, - - PA.

PROCEEDINGS

Of the Congress of Horticulture held at the Jamestown Exposition, September 23, 1907,

Linen Bound. 108 pages. Price, 25c.

This publication includes the formal addresses and discussions of the papers read at the meeting which covered the various phases of Horticulture. This meeting was pronounced by Horticultura authorities as one of the greatest Horticultural meetings ever held in a single day.

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H. C. IRISH, Sec'y,

National Council of Horticulture, Missouri Botanical Garden, **St. Louis, Mo.**

Asparagus Plumosus Nanus Seed

$2.00 per 1000, Cash.

NEW CROP Highest Germination.

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C. C. MORSE & CO.

SEED GROWERS,

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ONION, LETTUCE, SWEET PEAS. and other California Specialties.

Seed Beans

F. L. HOGUE,

CARPINTERIA, CAL.,

Grower for the Wholesale Trade only.

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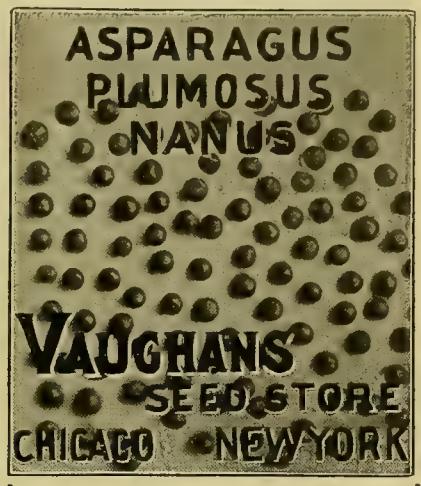
GILROY, CAL.

Wholesale Seed Grower

Specialties: Lettuce, Onion, Sweet Peas, Aster Cosmos, Mignonette, Verbena, in variety. Correspondence solicited.



We handle this Asparagus both in seeds and plants of all sizes, in very large quantities and make very close prices on larger amounts on application. Our seed is pure, fresh, of best germinating quality and extraordinary vitality **Northern Greenhouse-Grown Seed.** Per 100 seeds, **60c;** 250 seeds **$1.00;** 1000 seeds, **$3.00.** Price for larger lots on application.

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SPECIALTY GROWERS.

Purest Strains GARDEN PEA and BEAN SEED.

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Fancy Cut Valley Always on Hand.

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AMERICAN FLORIST CO.,

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MARKET GARDENS.

Seasonable Suggestions.

Where cold frames and hotbeds are in use for growing tender plants, such as tomatoes, egg plants, cucumbers, etc., it often happens that the plants get so near to the glass that they are easily hurt on cold nights. If to be sold, the least damage seriously interferes with their value. When crowded for covering material, we always use hay or straw, or the manure from the walks, and sprinkle over the glass lightly. A very little will prevent all damage. Plants that have been set out can be carried through a freeze by bending over and covering with earth.

Where no protection can be given, do not hoe or cultivate tender crops until all danger from frost is past, as upon loose land the damage by frost is most severe. When arranging overhead wires for cucumbers and tomatoes, remember the load that these wires are called upon to carry is often enormous. Do not arrange these wires so that the total weight will pull on the end of the house. Sometimes the wires snap, and often the end of the house is racked in. A better plan is to have each short section carry its own load, that is, where the long wires rest on cross supports, they should be held so fast that the cross support will take its part of the load. Greenhouse tomatoes should be suckered every few days to put all the strength into fruit and not into useless growth.

MARKETMAN.

Training Cucumbers.

To the beginner this appears like a difficult subject, but upon closer acquaintance it is quite easy. One has but to study the principles, and when once thoroughly grounded, the rest is easy. Given a sturdy young cucumber vine, full of life and growing under favorable circumstances, after attaining a length of vine of a foot or 18 inches, it will commence to throw laterals or side shoots. Upon close examination it will be found that the first three or four nearest the root are barren. They are intended by nature to be branches. By removing these as fast as they appear the next higher ones will appear and these will be found to be fruitful ones; that is, each little side shoot will have a little cucumber or cluster of them. To prevent these being thrown off by the rapid growth it is necessary to pinch out the tip of these laterals just beyond the small fruit. This can be done in such a manner that there is an eye left for a second lateral to form later on, increasing the fruiting area.

The above is what is known as the single stem method; the same principles hold good for the trellis method. In the former each plant has only one stem, in the latter several. In the trellis system the lower barren shoots are allowed to grow and are trained in their proper places. They will then form fruitful laterals. The main point in the trellis system is to prevent a heavy mass of vines, as that means no fruit. Each branch needs full light and air for fruiting. Too many vines are practically the same as over seeding or over planting—which is always against maximum fruiting.

MARKETMAN.

TO THE TRADE

HENRY METTE QUEDLINBURG, GERMANY.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspurs, Nasturtiums, Pansies, Petunias Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, mixed), the most perfect and most beautiful in the world, $5.00 per oz.; $1.50 per ¼ oz.; 75c per 1-16 oz. Postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own grounds of more than 3,000 acres. and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

List of my novelties in flower seeds for 1908 sent on application.

Egg Plants.

ED. AMERICAN FLORIST:—

I have a small house that I want to put in egg plants. I use hot water heat and have no solid beds. Can I get a crop and how can I prevent red spider? The house is clean at present. I have large plants on hand.

F. C. S.

Egg plants require conditions similar to tomatoes. If anything they are more sensitive to cold, hence the temperature should be kept up constantly. Let 60° be the minimum at any time. They love the sun, so keep the glass clean. They are gross feeders, and in this respect the numerous instructions for feeding tomatoes will apply. In regard to red spider, under that heading one could include the entire greenhouse management. Anything done to encourage the plants retards red spider and, on the other hand, every drawback and neglect encourages the pest. In other words, insects flourish on poorly fed, neglected plants. Very often one can find small greenhouses managed along lines that if the roots are watered all is well. The attendant does not realize that the atmosphere is as important as the soil heat or light. I mean the moisture content of the air. Such a person will water the roots and no more. It is important that the walks, sides of beds, ends of houses, in fact, every inch of surface be sprayed several times each sunny day to provide suitable conditions for the plants. If 30 pounds of water pressure, or more, is at command, you should be able to keep the plants perfectly clean by forcing the water upwards under each leaf at least twice a week, on sunny mornings. If there is no water pressure, you can kill red spider by spraying with a mixture of one ounce naptha soap to one gallon of soft water. Dissolve cold; then add one ounce nicoticide to each gallon and apply to under side of foliage, on cloudy days or in the evening on sunny days.

MARKETMAN.

Prices of Indoor Vegetables.

The prices of indoor vegetables at leading points May 9 were as follows: New York, cucumbers, No. 1, $2.50 to $4 per box; No. 2, $1.50 to $2 per box; lettuce, 25 cents to 75 cents per dozen; mushrooms, 30 cents to 90 cents per pound; mint, 25 cents to 50 cents per dozen bunches; radishes, $2 to $2.50 per 100 bunches; rhubarb, $1.50 to $2 per 100 bunches. Chicago, cucumbers, 20 cents to 75 cents per dozen; radishes, 10 cents to 35 cents per dozen bunches; mushrooms, 35 cents to 65 cents per pound. Boston, tomatoes, 30 cents to 35 cents per pound; cucumbers, $4.50 to $5 per box. Pittsburg, cucumbers, $4 to $4.50 per box. Cincinnati, cucumbers, 60 cents to 70 cents per dozen; mushrooms, 50 cents to 60 cents per pound. Philadelphia, cucumbers, $1 to $1.50 per dozen.

MUSHROOM CULTURE

The Most Profitable Outdoor Industry Known.

If you want a really successful crop of

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USE ONLY

Johnson's Improved

MUSHROOM SPAWN

Which Is Scientifically Inoculated with Virgin Spawn.

JOHNSON'S, LTD., are thechief makers of Mushroom Spawn and growers of Mushrooms in England, and they recommend this season's improved spawn as being in better condition than ever.

Correspondence invited for OVERSEA ORDERS. Prices and particulars on application.

NOTE THE ADDRESS:

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44 Bedford Row, London W. C., Eng.

Vegetable Plants.

	Per 100	1000
Cabbage, Wakefield L. I. Second Early. Early Flat Dutch, Early Summer, Winningstadt, and other later varieties, $1.00 per 1000: $8.50 per 10,000.		
Beet, Eclipse, Crosby's and Egyptian	$ .25	$1.25
Lettuce, Boston Market, Tennis Ball, Big Boston and Grand Rapids	.20	1.00
Celery, White Plume and G. S. Blanching	.20	1.00

Cash with order.

R. VINCENT, Jr. & SONS CO.,

WHITE MARSH, MD.

FLORISTS have a splendid opportunity of raising Mushrooms by utilizing the waste space under the benches, and then utilizing the waste material of expended mushroom beds in growing flowers. Lambert's Pure Culture MUSHROOM SPAWN, the best spawn in the market, is sold by all leading seedsmen. A fresh sample brick, enough for a trial bed, together with illustrated book on "Mushroom Culture" will be mailed postpaid upon receipt of 40c in postage stamps. Address American Spawn Company, St. Paul, Minn.

LEGAL NOTES.

Dickson's Roses.

From a cable message of May 11 we learn that in the case of Alex. Dickson & Sons, Ltd., versus Alex. Dickson and Sons, the plaintiffs, the well known rose specialists carrying on business in Newtownards, Belfast, Dublin, Blackrock, Ire., and also in Hertfordshire, Eng., have been granted the injunction for which they applied against the defendants, restraining them from selling roses or seeds not grown by the plaintiff company as Dickson's roses or seeds, and from carrying on the business of nurserymen and seedsmen under the style of Alex. Dickson & Sons or any other style in which the name Dickson appears without taking reasonable precautions to clearly distinguish the business carried on by the defendants from that carried on by the plaintiff company. The defendants had to pay the costs.

Calla Cut Flower Co.'s Affairs.

A petition for the appointment of a receiver to wind up the business of the Calla Cut Flower Co., Calla, O. was filed in common pleas court March 31 by C. W. Hendricks. The plaintiff is surety on notes, now due, amounting to $3,100, which he says the defendant company has no money to pay. The Calla Cut Flower Co. was organized in 1905 and has seven greenhouses, covered with about 19,000 square feet of glass. The plaintiff, Hendricks, states that it is in debt to the amount of $6,000, of which $3,100 is now due. He says that the company has no cash on hand; that its assets are insufficient to meet its liabilities; that it cannot secure further money to carry on its business, and that the business cannot be further carried on without loss. Plaintiff therefore asked that the property be sold and the proceeds be used to pay off indebtedness. The company filed answer, acknowledging that the business could not be carried on with profit.

Frank Knauf, Chauncey Clay and J. J. Paulin have been appointed appraisers of the property. Irwin W. Coy, receiver, has taken possession of the greenhouses and other property in Calla and will conduct the business and collect all accounts.

"Pipes Don't Grow on Vines."

At this time of the year the seed stores, with their array of budding stalks and tempting signs in front, are always the center of observation by a large group of persons. Some of these are suburbanites, who have gardens of their own at home and are figuring on making more or less extensive purchases, but most of them belong to that large class of idlers that is a source of constant wonder in a big city—persons who apparently have nothing to do except to kill time in any manner that they can.

One store in Fifth avenue includes among the displays in front, along with rose bushes, barrels of rhubarb root, bulbs and sprouts of every description, some twisted, dead-looking branches, labeled "Dutchman's Pipe."

"Dutchman's pipe, eh?" said one of the little crowd that had assembled about the place, to the man nearest him. "What's that?"

"Say, you're dead easy," answered the other, slowly opening and closing his left eye. "Some people are pretty easy to fool, especially when they've got one of these here college educations. Pipes don't grow on vines. Any child can tell you that. Why, I went to a show once where they talked about 'ham trees' and 'biscuit bushes' and things like that, but everybody knew them fellows was only joking. I tell you, when a man has lived in Chicago a while he gets wise and you can't fool him with any old gag like that. Next thing, I suppose, they'll be advertising 'cigarette vines' and 'tobacco plants.'"

"They say tobacco does grow on plants," said the first man.

"Oh, quit yer kiddin'," said the other. "Didn't I tell you I was wise?"—Chicago Daily News.

GUTHRIE, OKLA.—The $300 spent by the citizens in beautifying the court house, which is being used as temporary state capitol, helps the looks of the building materially. Furrow & Co. planted ferns, hanging and climbing vines all over the terraces of the entrance, with carnations and nasturtiums mixed in the beds. The grounds are being reworked and the grass replanted. Big palms are being placed in the stairways of the building.

Surplus Cannas.

	Per 100	1000
King Humbert	$4.00	$35.00
Allemania, David Harum, Giant Crimson, California (orange), Evolution (yellow), Duke of Marlborough	2.50	20.00

THE CONARD & JONES CO., West Grove, Pa.

Cannas

	Per 100
C. Henderson, 8 vars., my selection, 3-in. pots	$3.50
Alternantheras, red and yellow	2.00
Centaurea Gymnocarpa	2.00
Pansy Seed, new crop, Giant-flowering, oz., $4.00.	
Smilax, July 10	1.25

Geraniums

	Per 100
S. A. Nutt and 4 other vars., 3½-in. pots	$4.00
S. A. Nutt, 2½-in. pots	3.00
Seedling Petunias, from double seed, 2½-in. pots	2.50
Asp Plumosus, 2¼-in. pots	2.00
Asp. Sprengeri, 2¼-in. pots	2.00
Primroses, 8 vars., July 10	2.00

—CASH—

JOS. H. CUNNINGHAM, Delaware, O.

TRITOMA HYBRIDA EXPRESS

This is a new variety, introduced for the first time. It is one of the earliest varieties, blooming from early June until frost, the color ranging from light salmon to dark orange.....$2.50 per doz; $15.00 per 100.

Salvia Zurich The Ever-blooming Salvia. Rooted cuttings, $1.75 per 100; 2-in., $3.00 per 100.

PERENNIAL GARDENS CO., Toledo, Ohio.

ORCHIDS.

We advise the Growers and Private Places that our Importations will begin to arrive in a few weeks time and we will have the following: C. gigas, C. gigas Sanderiana, C. Mendelii, C. Schroederae, C. Trianae, C. Gaskelliana, C. Percivaliana C. aurea, Miltonia vexillaria, C. Mossiae. C. speciosissima, C. labiata and others. We guarantee that our plants will be extra fine with no disease or Cattleya fly and will quote the Lowest Prices in America.

ORDONEZ BROS., MADISON, N. J.

Orchids!

Arrived in excellent condition: Cattleya Trianæ. C. labiata, C. Mossiæ. Oncidium varicosum, Vanda cœrulea, Dendrobium formosum and D. Dalhousianum.

Lager & Hurrell, Summit. N J

ORCHIDS.

ARRIVED in fine condition, a fine importation of C. Trianæ, C. Labiata, C. Schroederæ. C. Gigas Sanderiana. C. Harirsoniæ, C. Citrina, Lælia Anceps. Oncidium Varicosum Rogersii, Onc. Ornithorhynchum, Onc. Tigrinum, Odontoglossum, Insleayi, O. Rossii Majus.

We carry Orchid Peat, Sphagnum Moss, Baskets, etc.

CARRILLO & BALDWIN, Secaucus, N. J.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World.

SANDER, St. Albans, England.

NEW YORK OFFICE: Room 1, 235 Broadway. **T. MELLSTROM,** Agent.

10,000 Cannas.

Fine strong plants in 2½ and 3 in., $5.00 per 100, $40.00 per 1000, in following varieties:

Mme. Crozy,	America,
Egandale,	Mlle. Berat,
Florence Vaughan,	Beaute Poitevine,
Queen Charlotte,	Souv. d' Antoine Crozy,
A. Bouvier,	Philadelphia,
Burbank,	Allemania,
E. Campbell,	Elizabeth Hass,
Austria, Italia,	Mrs. Wm. F. Kasting,
Partenope,	Senator Viger.

Fine 5-in. Hydrangeas in bloom, $35 per 100

A large stock of **GERANIUMS** and **ROSES**, in variety, for immediate delivery.

C. H. FREY, 1133 O St., Lincoln, Neb.

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,

Successors to L. K. Peacock, Inc., ATCO, N. J.

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	Per 100	1000
Named varieties, dry roots	$3.00	$25.00

ROSES

In 2-in. pots	3.00	25.00

ROSES in 4, 5, 6 and 7 in. pots.

The Elizabeth Nursery Co., Elizabeth, N. J.

Imported Orchids

JUST TO HAND. Lælia Purpurata, Cattleya Intermedia, Cattleya Mossiæ.

JULIUS ROEHRS CO.,

The Orchid Nurseries, RUTHERFORD, N. J.

The Nursery Trade

American Association of Nurserymen.

J. W. Hill, Des Moines, Ia., President; C. M Hobbs, Bridgeport Ind., Vice-President; George C Seager, Rochester, N. Y., Sec'y
Thirty-third annual convention to be held at Milwaukee, Wis., June 10-12, 1908.

VISITED CHICAGO: P. M. Koster, of Koster & Co., Boskoop, Holland.

CONSIDERABLE damage to fruit crops by frost is reported from Des Moines, Ia., and locality.

DES MOINES, IA.—C. B. Vaile, of the C. B. Vaile Art Co., is making plans to start in the nursery business here early next year.

THE seventh annual convention of the National Nut Growers' Association is booked for Chattanooga, Tenn. The date will probably be the latter part of October.

CORNING, N. Y.—The board of public works has adopted a resolution accepting Denison park free of all incumbrance and in accordance with the plans previously made by Landscape Architect Caparn.

LAFAYETTE, LA.—The Southern Nursery & Nut Co. has about 200 acres of fine land here, devoted principally to pecan nuts and catalpas. Russell, Pabst, Stewart, Vandieman, Schley, Frotscher and Success are the principal varieties of pecans grown.

CONCORD, N. H.—Henry Richardson is superintending a force of men which is setting out 2,000 pine tree seedlings on the waterworks land recently purchased of Chas. H. Farnum. The trees are three-year-old growth, 10 inches in height and all in good healthy condition. Mr. Richardson is to start a nursery just across the road from the water works cottage for the cultivation of pine seedlings.

NIAGARA FALLS, N. Y.—A nursery or receiving ground for the cultivation of trees and plants sent by the government to be used in decorating the banks of the Niagara river under the mills of the lower district, has been installed on Main street, near the old Kelley-MacBean factory and opposite the old Niagara house. A corps of laborers are busily engaged in transplanting elm trees and shrubs of all kinds, in long ridges in the triangular plot of ground owned by the Niagara Falls Hydraulic Power & Manufacturing Co.

AURORA, ILL.—The Aurora Nursery Co. recently purchased 21 acres of land at the corner of Montgomery and Garfield avenues, now occupied by it, from H. H. Evans. The consideration is given as $10,000. In addition the company has leased 17 acres adjoining the property on the east. Plans are now in the hands of architects for the erection of a number of buildings. An office building and tool sheds have already been completed, and work will start soon on a large packing shed, 60x100 feet, two large greenhouses and three storage cellars. Men are now at work draining, and a number of shrubs and fruit trees are being added to the nurseries. The capital stock of the company was recently increased, and this year has proven to be a most prosperous one.

American Association of Nurserymen.

Complete arrangements for getting the nurserymen together in Chicago and for the accommodation of those who may wish to stop over there on the way to the convention have been made. Ben. E. Gage in a recent communication writes as follows: "I have been fortunate in making very good arrangements with the Great Northern hotel for the accommodation of members who wish to stop over in Chicago on their way to the convention. We are getting very good rates and the hotel is centrally located and near the Union depot."

GEO. C. SEAGER, Sec'y.

English Irises.

The numerous species and varieties of hardy irises are indispensable perennials for gardens and garden lovers. A great many of them are easily grown, but where the cultivation of any of them is attended with a little trouble it is well worth the effort to enjoy their lovely flowers.

The English Iris (Iris Xiphioides belong to the bulbosus section of the irises, which includes those lovely gems, the Spanish irises (Iris Xiphium). The name English iris is really a misnomer, as it is never found in a wild state in England, but this name was attached by accident, and it has become firmly established, but the native home of this iris is in the Pyrenees.

The English iris is a splendid subject for gardens. The noble luxuriant blossoms, supported on stout stems, one to two feet tall, with the rich foil of dark green abundant foliage ascending from the base of the stems and upward, render it bewitchingly attractive.

The variety Mont Blanc (some botanists regard this as a species) is one of the favorite kinds, and has large, delicate, white flowers. Duke of York is light bluish purple, with a spot of creamy white in the center, and a group as shown in the picture presents a fine appearance. Leon Tolstoi might be described as a light velvety purple and is a most elegant flower. There are a number of beautiful varieties which can be selected according to taste.

The bulbs should be planted late in the fall in rich, moist, warm soil, about three to four inches deep and about four to five inches apart. When thickly planted the massed effect is much better. They occasionally will do with us fairly well for two years without disturbance, but sometimes the second year will show a decided failure. We always have the best results when we lift the bulbs after they have ripened, dry them, and replant in the fall in a new location. As they are inexpensive, a few additional bulbs should be secured annually.

JOHN DUNBAR.

ENGLISH IRIS DUKE OF YORK.
Growing at Highland Park, Rochester, N. Y.

Chicago to Milwaukee.

The Chicago and Northwestern Railway has completed arrangements for the accommodation of visitors to Milwaukee during the convention of the American Association of Nurserymen, June 10-12, and will run frequent trains between Chicago and Milwaukee as per printed schedule in leading daily papers. This road runs through the most delightful suburbs of the western metropolis and the handsome stations enroute, with elaborate horticultural features, will be a revelation to the many nurserymen and their friends who believe that station adornment and railway gardening are confined to the east.

Tickets from Chicago to Milwaukee and return can be purchased at the city ticket office, 212 Clark street, and at the Wells street station, fare $3.40. All coupon ticket agents issue tickets via the Chicago and Northwestern Railway, and when purchasing such tickets be sure that they read via the Chicago and Northwestern Railway.

The Milwaukee station of the Chicago and Northwestern Railway is very convenient to the Plankinton Hotel, which has been selected as the headquarters of this convention.

DREER'S SEASONABLE SPECIALS

Hardy Phlox.

Hardy Perennial Phlox

We are Headquarters for these. More than one hundred and fifty thousand one year old field grown plants now in pots.

Collection of Choice Standard Phloxes,

Aquillon (Tall). Bright Tyrian Rose with crimson-red eye.
Andreas Hoffer (Medium). An early and continuous pure white.
Bouquet Fleuri (Dwarf). Pure white with crimson-carmine eye; free-flowering; each branch a perfect bouquet.
Bridesmaid (Tall). White, with large crimson-carmine centre.
Beranger (Dwarf). Ground color white, delicately suffused with rosy pink and distinct amaranth-red eye.
Bacchante (Tall). Tyrian rose with crimson-carmine eye.
Clara Benz (Dwarf). Lovely carmine rose, with deeper eye.
Champs Elysee (Medium). A very bright rosy magenta of an effective shade.
Eclaireur (Tall). Brilliant rosy magenta with large lighter halo; an excellent variety.
Eugene Danzanvillier (Tall). Lilac, shading white toward the edges; large white centre.
Esclarmonde (Tall). Lilac marked with white; aniline-red eye.
Graff von Ungerer (Tall). Large flower; white suffused throughout with rosy lilac and dark crimson centre.
H. O. Wijers (Tall). Pure white, with crimson-carmine eye.
Henry Murger (Tall). White, with crimson-carmine centre.
Inspector Peiker (Tall). Purplish mauve, washed with white.
Jeanne d'Arc (Tall). A late-flowering pure white.
La Vagne (Medium). Pure mauve with aniline-red eye; one of the best Phlox in our collection.
Otto Thalacker (Dwarf). Tyrian rose with red eye and light halo.
Obergartner Wittig (Medium). Bright magenta, with crimson-carmine eye; large flower and truss; the best of its type.
Pantheon (Tall). Bright carmine rose.
Pecheur d'Islande (Tall). Crimson red, suffused with cochineal-red and carmine-red eye.
Pacha (Dwarf). Deep rose pink suffused with solferino-red and carmine-purple eye.
Professor Schlieman (Tall). Pure mauve with crimson-carmine eye; an effective late flowering variety.
Papillon (Medium). Bright violet purple, marked with white.
R. P. Struthers (Tall). Rosy carmine with claret-red eye; one of the best Phlox in cultivation.
Sunshine (Dwarf). Large flower, aniline-red with crimson-red eye and light halo.
Thebaide (Dwarf). Carmine lake with brighter shadings and aniline-red eye.
Von Goethe (Tall). Tyrian rose, suffused with carmine lake and carmine-red eye.

Price choice standard varieties: Strong, one-year-old field-grown plants, 75c. per doz.; $5.00 per 100; $40.00 per 1,000.

New and Rare Hardy Phloxes

	Pr 100	Pr 1000
Albion. A variety which originated with us several years since. It is a remarkably strong, vigorous grower, producing very large panicles of pure white flowers with a faint aniline-red eye. An excellent sort for massing	$6.00	$50.00
B. Comte (Tall). A glowing reddish or French purple; one of the finest dark-colored varieties	6.00	50.00
Coquelicot (Dwarf). A fine pure scarlet with crimson-red eye	6.00	50.00
Etna (Medium). Crim.-red suffused with fiery-red; cherry-red eye	6.00	50.00
F. G. von Lassburg (Tall). The finest white in cultivation, the individual flowers being fully double the size of any other variety, pure in color; a strong, clean, vigorous grower	10.00	90.00
Hermine (Dwarf). The dwarfest variety in our collection, never exceeding ten inches in height; pure white flowers of good size; early; unequalled for bordering; a perfect little gem	6.00	50.00
Inspector Elpel (Tall). Tender rose, with bright crimson-carmine eye	6.00	50.00
Jules Cambon (Medium). Very large, reddish purple, with exceptionally large pure white centre; the brightest and most distinct of this type	10.00	90.00
Le Mahdi (Tall). Reddish violet with darker eye	6.00	50.00
Mrs. Jenkins (Tall). An early-flowering, pure white, forming an immense panicle; one of the best	10.00	90.00
Michael Cervantes (Tall). Pure white with pure red eye; large flower	6.00	50.00
Selma (Tall). Large flower, pale rose mauve, with distinct claret-red eye	10.00	90.00
Vesuvius (Medium). Bright pure red, with French-purple eye; rich and gay	6.00	50.00

JAPANESE ANEMONES

Not the winter killed or dried up collared stock so often seen, but established growing plants from three inch pots which will flower early and continuously, one of the most valuable subjects to plant for late summer and fall cut flowers. We offer the following choice varieties:

	per doz;	per 100;	per 1000
Japonica, Rosy red,	$ .85	$6.00	$50.00
" Alba. Pure white,	.85	6.00	50.00
" Elegantissima. Semi-double satiny rose	1.25	8.00	70.00
" Lord Ardilaun. Large single white,	1.25	8.00	70.00
" Prince Henry. Double deep rich pink,	1.25	8.00	70.00
" Queen Charlotte. Large double silvery pink,	.85	6.00	50.00
" Rosea Superba. Delicate silvery rose,	.85	6.00	50.00
" Whirlwind. Large semi-double white,	.85	6.00	50.00

Japanese Iris—Iris Kaempferi. The stock which we offer is of our own growing, not newly imported, therefore absolutely free of mixtures. We offer twenty distinct varieties and recommend these as a valuable early summer flower.
Named Varieties Strong Roots, $1.50 per doz.; $10 per 100; $75 per 1,000
Choice Mixture Strong Roots 0.85 per doz.; $6 per 100; $50 per 1,000

Tritoma Pfitzeri—The Everblooming Red-Hot Poker or Flame Flower. We have a good supply of this flowering variety which is so valuable as a decorative cut flower for late summer and fall use. We offer strong roots, $1.00 per dozen; $7.00 per 100; $60.00 per 1,000.

Trtioma Pfitzeri.

HENRY A. DREER, 714 Chestnut St., PHILADELPHIA, PA.

American Assoc. of Park Superintendents.

A meeting of the executive committee of the American Association of Park Superintendents was held at the Genesee Hotel, Buffalo, N. Y., March 21, President Cowell in the chair. Other members of the committee in attendance were Vice-President John Chambers, Secretary-Treasurer F. L. Mulford and Theo. Wirth. Letters were read from G. X. Amrhyn, J. W. Thompson, Jackson Dawson and John Dunbar giving reasons for their inability to be present and expressing regret at their enforced absence. Theo. Wirth was made a proxy for Mr. Amrhyn and the following names for membership were presented and recommended favorably to the next annual meeting: F. W. Barclay, superintendent of parks, Wilkesbarre, Pa., and Daniel H. Ellis, superintendent of parks, Bridgeport, Mich.

A number of reports and statements were then submitted and after a full discussion it was decided to hold the next annual meeting at the Twin Cities, St. Paul and Minneapolis, Minn., headquarters at the West hotel, Minneapolis, August 11-14, with Theo. Wirth, Fred Nussbaumer, President Cowell and Secretary-Treasurer Mulford as a committee on arrangements.

PRELIMINARY PROGRAMME.

The following is the preliminary programme:

August 11, 9:30 a. m.—Business meeting.

August 11, 2 p. m.—Business meeting. Papers and discussions.

August 11, 7 p. m.—Visit to Lake Harriet.

August 12, 8 a. m.—Visit St. Paul park system with a concert at Coma in the evening.

August 13, 9 a. m.—Visit Minneapolis park systems.

August 13, 7 p. m.—Business session. Papers and discussion.

August 14.—Visit to Lake Minnetonka.

Papers were suggested on the following topics: "Concessions," "Oiling and Dust Laying," "Concrete in Park Work," "Park Commissions and Administration." On the return from Minneapolis members of the Society of American Florists can stop at Niagara Falls and attend that meeting.

The committee on Closer Relations with Allied Organizations reported that by meeting near the time of the S. A. F. we had done all we could, while the S. A. F. maintains its avowed attitude of a trade organization.

RESOLUTIONS ON THE DEATH OF R. H. WARDER.

The following resolutions on the death of R. H. Warder were adopted:

Whereas, It has been deemed necessary by the All-Wise Providence to take from our midst Reuben H. Warder, and whereas his life has been devoted to a great extent in the pursuit of horticulture and kindred sciences, being ever an ardent lover of nature and a devoted student of her laws,

Be It Therefore Resolved, That the American Association of Park Superintendents in expressing regret at the loss of a brother and co-worker does hereby cause to be spread upon the records of the organization a copy of these resolutions, and furthermore does cause a copy to be sent to the members of the family of the deceased.

FORT DODGE, IA.—It is announced that the P. L. Larson greenhouse on the corner of Sixteenth street and Central avenue, has been purchased by R. P. Atwell, although the consideration is not made public. Mr. Atwell will assume possession of the same on July 1, and will retain the same working force as is employed at the present time. Mr. and Mrs. Larson expect to spend the summer in traveling and will return to the city in the fall.

BOX TREES.

Beautiful shapely plants in fine condition and in nice green tubs.

PYRAMIDAL.

	Each	Per Pr.		Each	Per Pr.
2½-ft high	$ 2.00	$ 3.75	4 -ft high	$ 4.00	$ 7.00
3 -ft high	2.50	5.00	5 -ft high	7.00	13.00
3½-ft high	3.00	6.00	6 -ft high	8.00	15.00

STANDARD OR TREE SHAPED BOX.
Full, compact, well shaped.

	Each	Per Pr.
24-inch clear stem, crown 18 to 20 inches	$ 2.50	$ 4.50
24-inch clear stem, crown 24 inches	3.50	7.00
18-inch clear stem, crown 34 inches	4.50	8.00
24-inch clear stem, crown 34 inches	6.00	10.00

GLOBE SHAPED BOX TREES.

	Each	Per Pr.
12-inch diameter Globes, ¾-inch clear stem	$ 1.50	$ 2.50
18-inch diameter Globes, ¾-inch clear stem	2.00	3.50

BABY BOX TREES, 12 - 18-in. Stem.

Crown 10-inch diameter.....75c each; $8.00 per dozen.

Prices include trees planted in nice, new green tubs. Order at once.

Vaughan's Seed Store, 84-86 Randolph St. CHICAGO. 14 Barclay St., NEW YORK.

Greenhouses and Nurseries, Western Springs, Ill.

AMERICAN EVERBLOOMING HYDRANGEA

(H. Arborescens Sterilis.) Strong plants from pots for planting in nursery during May and June. These plants with us make 2 to 4 feet growth, with abundant bloom, the first season. Price: $8.00 per 100; $75.00 per 1000.

THE E. Y. TEAS CO., Centerville, Ind.

Nurserymen at Milwaukee.

On the way to the Milwaukee Convention you should travel from Chicago via the beautiful north shore route of ***The North-Western Line,*** and thus have an opportunity to enjoy the beauty of a magnificent chain of Chicago's suburbs, with glimpses of splendid landscape gardening and a trip along the shore of beautiful Lake Michigan.

THE NORTH-WESTERN LINE

Twenty-one trains a day between the two cities.

THE BEST OF EVERYTHING.

TICKET OFFICES: 212 Clark St. (Tel. Cent. 721.) and Wells St. Station.

Montreal.

It was shown at the meeting of the Parks and Ferries Committee recently that the sum of at least $45,000 was needed to take care of the parks and squares of the city for the coming summer. An itemized account was presented, showing that out of the sum of $45,000 amounts from $500 to $2,000 would be spent on each of the city parks for routine expenses. There was besides a special account of $24,000 for Mount Royal park.

The project of purchasing the Redpath property, in order to enlarge the boundaries of the mountain park, was discussed. The land was shown to be a natural adjunct to the park. The total area of the land is 583,800 feet. The city's valuation is 25 cents a foot; the total cost for the property would be $145,900. Members of the committee were of the opinion that if the city could raise the funds it would be wise to get the land. There was some discussion over the city purchasing St. Helen's island. It was decided to report to council asking that the purchase of the island be made as soon as possible.

MEMPHIS, TENN.—It is stated that there are still unsatisfied claims against the East End Floral Co. after the property had been sold by the sheriff May 11. The store and greenhouses of the concern have been closed for about a month.

ARBOR VITÆ

(Thuya Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.

Write for descriptions and prices.

THE WM. H. MOON CO.,
Morrisville, Pa.

NEW

Surplus Shipping List

NOW OUT.

Send for one. Low prices. Fine stock.

PETERSON NURSERY.

Lincoln and Peterson Avenues, CHICAGO.

BOBBINK & ATKINS,

Rutherford, N. J.,

Bay Trees, Palms, Buxus, Azalea Indica, Rhododendrons, Evergreens, Herbaceous Plants, Roses, Trained Fruit Trees, Greenhouse Grape Vines. Ask for catalogue.

THE

Storrs & Harrison Co.

PAINESVILLE NURSERIES.

CATALOGUES AND PRICE LISTS FREE ON APPLICATION.....

PAINESVILLE, OHIO.

BOXWOOD.

Bushes, 12-18 in.	$ .30	18-24 in.	$ .75
" 24-30 in.	1.25	30-36 in.	1.75
Pyramids, 30-36 in.	1.50	36-42 in.	2.00
Standards, 36-in., 16-in. head			2.00
Edging, 4-in., 5c; 6 in.			.08

Wagner Park Conservatories, SIDNEY OHIO.

GERANIUMS

Fine stocky plants in bud and bloom, Nutt, J. Viaud, Ricard, M. Cheveliere, M. Jaulin, Dryden, Perkins, Hill, 2¼-in. $3.00; 3-in. $5.00; 4-in. $8.00; 5-in. $25.00 per 100.

Pansies.

Extra fine strain in bud and bloom, $1.90 per 100; $17.00 per 1000.

Coleus.

Assorted rooted cuttings 75c per 100; 2¼-inch $2.50 per 100.

Cannas, $8.00. **Caladiums,** 15c and 20c each.

Cash or C. O. D.

W. J. & M. S. VESEY,
Fort Wayne, Ind.

GERANIUMS.

One of the best things in the market, the **American Beauty** Geranium, a clear bright cerise just about the color of a good Pink Lawson carnation. The habit is very pleasing, rather dwarf and very stocky. It is a common thing to see 4 to 6 large bunches of flowers on a plant in a 3 to 5-in. pot. Clusters average 4 to 5 inches in diameter. It is a very free bloomer; we think it is freer than any we grow and we grow a great many Geraniums. We grow 8 to 10 varieties. Stock of American Beauty is extra fine but limited as to quantity.

We offer you

2-in Pot Plants at		**$ 6.00**	**per 100**
3-in.	" " "	**10.00**	"
4-in.	" " "	**18.00**	"
5-in.	" " "	**25.00**	"

the 4- and 5-in. pots are very stocky and bushy; have 3 to 5 large flowers on now..

OFFERLE & SCHAAL, Erie, Pa.

250,000

PANSIES

SUPERB STRAIN. READY NOW.

Fall Transplanted Pansies in bud and bloom. A trial order will convince you that these are the best you ever handled.

$1.25 per 100; $10.00 per 1000.

Cash with order.

LEONARD COUSINS, Jr.
CONCORD JUNCTION, MASS.

Geraniums!

S. A. Nutt, large and well grown plants, in bud and bloom, $7.00 per 100; in large or small quantities, out of 3½ in. pots. Cash.

STEPHEN CHASE, Nashua, N. H.

Hollywood, Calif.

The Woman's Club of this city held a two days' show April 30 and the following day, being under the management of O. W. Howard, of the firm of Howard & Smith. The attendance was very good and proved a success. Outdoor roses, sweet peas and pelargoniums were in abundance, also a fine display of fruit and vegetables. Among the exhibitors were Howard & Smith, of Los Angeles; E. Rust, nurseryman, Redondo, and about every private gardener around had something to exhibit. Mr. Sturdevant had his display of aquatics, which were exceptionally good. ED.

WINNIPEG, MAN.—Justice Cameron recently issued an order to wind up the affairs of the Rosery Flower & Seed Co. on the application of C. C. Kettles of Pincher Creek, former secretary-treasurer of the company and a creditor for $12,000, appointing T. Harry Webb as provisional liquidator.

HYDRANGEAS

Fine plants, well flowered, good value in each size from 25c to $4.00 each.

ARAUCARIAS.

We have a specially fine lot of Araucarias—the plants at $1.00 each are extra value for the money.

4-inch.....50 cents each
5 " .....75 " "
6 " .....$1.00 each

KENTIAS

		Per doz.
Kentia Belmoreana,	5-in.	$ 7.20
" "	5-in. strong	9.00
" "	6-in.	12.00
" "	6-in. strong	15.00
" Forsteriana,	5-in.	7.20
" "	5-in. strong	9.00
" "	6-in.	12.00
" "	6-in. strong	15.00

ROSES IN POTS AND OUTDOOR.

Prairie Queen, 3 to 5 feet, 15 to 35c each. Per 100
Ramblers, Crimson, 2 feet, 15c.
" Baby, 3½-inch pots .....$ 6.00
Sweet Brier, 2 to 3 feet, 10c to 25c each.
1 Lot Hybrid Perpetual, 5-inch, asst. varieties, pot grown 15.00

ROSES.

Brides, 3-in. pots	3c
Maids, 3-in. pots	3c
Chatenay, 3-in. pots	3c
Baby Ramblers, 3-in. pots	6c
Uncle John, 1-year-old in flower and bud, 6-in.	15c
Chatenay, 1-year-old, in flower and bud, 6-in.	15c
Hardy hybrid perpetuals, $30 per 100; $4 per doz.	

	Per doz.	Per 100
Asparagus Plumosus, 3-inch	.75	$ 6.00
" **Sprengeri,** 4-inch	1.25	10.00

DAHLIAS.

These are large field clumps.

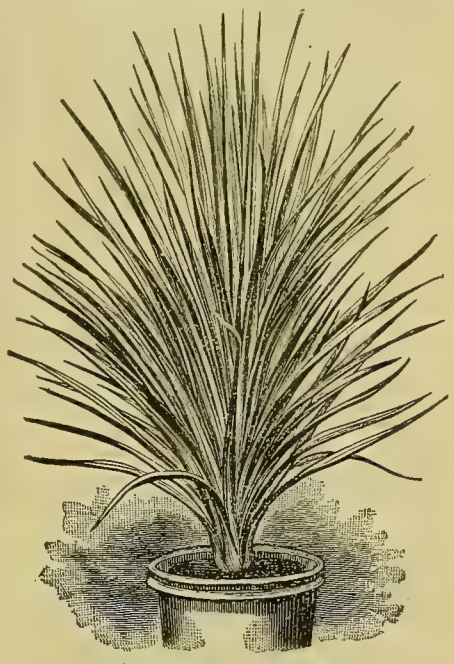
Cactus.	Per doz.
Mrs. A. Beck, rich, salmon, twisted petals, scarlet reflex	$1.00
Charles Woodbridge, bright crimson	1.00
Miss A. Nightingale, bright red, shading to golden yellow at center	1.00
Kriemhilde, pink, shading to white at center	1.50
Countess of Lonsdale, a peculiar blending of salmon, pink and amber	1.50
F. Bartels, bright scarlet	1.00
Decorative.	
Zulu, black maroon	1.00
C. W. Bruton, a fine yellow, tall grower	1.50
Oban, rosy lavender	1.00
Iridescent, vivid red, tipped with blue	1.00
Sylvia, pink, white to center	1.50
Mrs. Geo. Reed, purple, with white tint	1.00
Show Dahlias.	
A. D. Livoni, a pure quilled pink	1.50
Cameliaflora, pure white dwarf	1.00
Single Dahlias.	
J. Cowan, a fine scarlet	1.50
John Downie, crimson	1.50
Sunningdale, blush white	1.00
Mixed Colors.	
Good varieties, all colors	.75
" " mixed yellow	.75

Perennial Clumps from Field.

12c per clump except where specified.

Iris Germanica, all colors under name, 10c.
" Kaempferi, blue, tall, 10c.
Bachelor's Buttons, yellow, 2 feet, 10c.
Campanula, assorted.
Chrysanthemum Uliginosum, 3 feet.
" Shasta Daisy.
Coreopsis Lanceolata.
Day Lily, 5 feet.
Gaillardia.
Golden Glow (or Rudbeckia), 8c.
Lychnis Chalcedonica.
Delphinium or Larkspur.
Phlox, all colors, under name.
Pentstemon, assorted.
Polemonium Cæruleum (Jacob's Ladder).
Physostegia Speciosa, grand, mixed.
Yucca Filamentosa (Adam's Needle), 25c.

THE GEO. WITTBOLD CO., 1657 Buckingham Place, CHICAGO.



DRACÆNA INDIVISA.

This most useful plant is always in great demand in spring. Better secure your stock now. Fine plants in the following sizes and prices:

			Per doz	Per 100
Dracaena	Indivisa,	4-in.	$ 2.00	$12.00
"	"	5-inch	3.00	20.00
"	"	6-inch	6.00	40.00
"	"	7-inch	9.00	

Perennials in Pots, One Year Old.	Per 100
Dianthus, Sweet William, 5-inch pots	$10.00
Coreopsis Lanceolata, 5-inch pots	8.00
Campanula, asst., 6-inch pots	12.00

Perennials, last fall's sowing from cold frames

Hollyhocks, double, white, pink and red.
Aquilegia Canadensis and N. Grandiflora.
Gaillardia grandiflora superba.
Myosotis semperflorens (forget-me-not).
Delphinium Chinensis also alba.
Digitalis Glox.
Shasta daisy, pansies, daisy or bellis, $2 per 100.

Perennials in pots.

Coreopsis lanceolata, 5-in.	10c
Campanula in variety, 5-in.	12c
Campanula in variety, 6-in.	15c
Campanula in variety, bud and bloom, 6-in	35c
Sweet William, 5-in.	12c
Lychnis C., 3½-in.	5c
Ampelopsis Veitchii, 2-in.,	$2.50 per 100

MISCELLANEOUS LOT OF BULBS.

	Per 100
Gladiolus, mixed	$1.00
Amaryllis Formosissima	5.00
Zephyranthes Alba	2.00
" Rosea	2.00
Pancratium, Spider Lily	5.00
Ismene Calathina, 1st size	6.00
" " 2nd size	4.00
" " bulblets	2.00
Tritoma Hybrids, asst. 1 year old, largest size	4.00
Tritoma Hybrids, small size	2.00

Cycas Revoluta.

4-inch .....25 cents each
5 " .....35 " "
6 " .....50 " "
7 " .....75c to $1.00 each
8 " .....$1.25 to $1.50 "

If we do not confine ourselves to the exact size of pot specified, we shall see that stock of good value for the money is sent on every order.

AZALEAS (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Coniters, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Jacs Smits, Ltd. NAARDEN, (Holland.)

Price list free on demand.

LARGE TREES.

OAKS and MAPLES.
PINES and HEMLOCKS.

ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA

Plants from 2½-in. Pots at 50c per doz., $3.00 per 100.

Asparagus Sprengeri, Abutilon Savitzi, dwarf Alyssum, Ageratums, Princess Pauline, Inimitable, Blue Perfection, Bouvardia Humboldtii, Feverfew Little Gem, Gazania Splendens, Cupheas, double Petunias, Lobelia Emperor William, variegated Ice-plant, variegated Glechoma, Salvias, Zurich, Bonfire, Hydrangea Otaksa and Thos. Hogg; Rosemary, variegated Periwinkle; Geranium, Mrs. Parker; Moschosma riparium, Impatens Sultani and Holstii, Swainsona alba, white Moonflower Forget-me-not, Saxifraga sarmentosa. Parlor Ivy, Umbrella Plants, Ferns.

Plants from 3-in. Pots, strong at **$4.00 per 100.** Fuchsias, in bud and bloom, 4 varieties, Geraniums, best commercial varieties, Heliotrope, dark blue and white, Gazania splendens, Rose and Peppermint Geraniums, Moonvine, the true white large flowering.

Carnations, Robt. Craig, Elbon, Gov. Wolcott, Boston Market, Flora Hill, Enchantress. These are strong bushy plants and have been kept in cold frames. 2½-in. pots $3.00 per 100. Rooted cuttings from soil, $2.00 per 100; Robt. Craig, Elbon, Gov. Wolcott, Flora Hill, Boston Market.

Dracaena indivisa, and **Sprengeri,** seedlings from flats at $1.00 per 100.

Clematis, large flowering varieties, 2-year-old plants, red, purple and white, $3.00 per dozen. Clematis paniculata, 4-in. pots, $1.50 per dozen, $10.00 per 100; 3-in. pots, $5.00 per 100.

Honeysuckle, Halleana and Red Trumpet, strong plants, $1.50 per dozen, $10.00 per 100.

Ampelopsis Veitchii, 4-in. pots, 2-year-old plants, $1.50 per dozen, $10.00 per 100; 3-in. pots, $5.00 per 100.

Ivy, hardy English, 4-in. pots, $1.50 per dozen $10.00 per 100; 3-in. pots, $5.00 per 100.

Cash with order please.

C. EISELE, 15th and Westmoreland Sts PHILADELPHIA, PA.

A FEW GOOD THINGS YOU WANT.

Asparagus Sprengeri 2-in., $2.50 per 100; 3-in. $5.00 per 100. Seedlings, $1.00 per 100.
Geraniums, Nutt, Doyle Perkins Ricard, Grant, La Favorite R. C., $1.25; 2-in. pots, $2.00; 3 in., $4.00 per 100; Trego Viaud, Castellane, Poitevine, Jaulin, R. C. $1.50; 2-in. pots, $2.50; 3-in., $5.00 per 100. Mme. Salleroi 2 in. $3.00 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100; 3-in., $5.00 per 100.
Boston Ferns, 5-in., 30c each.
Vinca Var., 2-inch, $2.00 per 100.
Dracena Indivisa, 2-in., $3.00; 3-in., $5.00 per 100.
Gladiolus Bulbs, light colors, $1.00 per 100.
Rex Begonia, $5.00 per 100
Coleus, Cigar Plant, Verbena, Heliotrope, Scarlet Sage, Bonfire, Alternanthera, red and yellow, 2-in. pots, $2.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the express companies properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J

Swainsona alba, 2-in., 2c. **Heliotrope,** 2 in 2c. **Feverfew,** 2-in. 2c. **Coleus,** 2-in. 2c. **Feverfew,** nice young plants, 75c per 100, single **Hollyhock,** field, $2.50 per 100, 2 in. **Stock** 2c. Stock **Princess Alice, Cuphea, Alternanthera,** red and yellow, **Vinca Variegata, Fuchsia, Artillery Plant** 2-in. 2c **Double Daisies,** $2.50 per 1000. **Pansies** in bud, $3.00 per 1000. **Ivy Geranium,** 2-in. 2½c.

Rooted Cuttings prepaid per 100: **Flowering Begonias,** $1.25 per 100; **Paris Daisies,** yellow and white, $1.00 per 100; Alexandra $1.25' **Petunia,** double, 10 kinds $1.00; **Swainsona Alba,** $1.00. **Cuphea,** 75c **Fuchsia,** 5 kinds, $1.25 **Vinca Variegata,** 90c. **Alternanthera,** 3 kinds, 50c. **Coleus,** 10 kinds, **Ageratum,** White, Inimitable, 60c. **Salvia,** Bonfire, 90c. **Feverfew,** Gem, $1.00. **Parlor Ivy,** 75c.

Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

MONONGAHELA, PA.—The J. Shelby Crall Co. started May 4 to remodel its greenhouses. The office will be removed, a new palm house built and two old greenhouses torn down to make room for the fine new iron steel house which has been ordered.

DAVENPORT, IA.—John Temple has a wonderful sight at his place, where the robins have formed a roost and gather there, so it seems to him, from all the surrounding country, including Rock Island. One night 430 of the birds were counted, and Mr. Temple is satisfied that there are a great many more.

Rose Plants

From 2½-inch Pots.

	Per 100	Per 1000
Bride	$3.00	$25.00
Bridesmaid	3.00	25.00
Uncle John	3.00	25.00
Ivory	3.00	25.00
Chatenay	3.00	25.00
Sunrise	4.00	35.00
Perle	4.00	35.00
Kate Moulton	5.00	40.00
Richmond	4.00	35.00
Killarney	5.00	40.00

Bench Plants		Per 100	1000
	Richmond and Perle	$4.00	$35.00
	American Beauty	6.00	50.00

PETER REINBERG

51 Wabash Ave., CHICAGO.

ROSES. ROSES.

Mrs. Potter Palmer 2½- in. strong, $15.00 per 100; $125.00 per 1000; 2000 or more $115.00 per 1000. 3½-in. $18.00 per 100; $150.00 per 1000.

Cardinal 2½-inch $6.00 per 100; $55.00 per 1000. 3½-inch $8.00 per 100; $75.00 per 1000.

Maids, Brides, Richmond, Sunrise, Uncle John, 2½-in. strong stuff, $4.50 per 100; $40.00 per 1000.

3½-in. Maids, Brides, Richmond, Kaiserin, ready May 20th, $6.50 per 100; $60.00 per 1000.

Benched Beauties, cut back, $6.50 per 100; $55.00 per 1000.
Benched Teas, " " $5.50 per 100; $50.00 per 1000.

CARNATIONS

Rooted Cuttings Beacon and Winsor, May 10th, $40.00 per 1000.
Chrysanthemums, best list of commercial varieties. See classified ad. page 806
Snapdragon, Pink and yellow, clear colors, 2½-in. $4.00.
6-in. **Plumosus** $20.00 per 100

POEHLMANN BROS. CO., Morton Grove, Ill.

Grafted Roses for Forcing

BRIDE, KAISERIN, RICHMOND, } $10.00 per 100
BRIDESMAID, KILLARNEY, WELLESLEY } $100.00 per 1000

JACKSON & PERKINS CO.

Wholesale Florists and Nurserymen. Newark, Wayne Co., N. Y.

ROSES. STRONG, CLEAN STOCK.

Grafted Killarney, Richmond, Brides, and Maids $12.00 per 100; $110.00 per 1000. Own-root Brides, Maids, Gates, Ivory, Perle, Killarney and Richmond $6.00 per 100; $55.00 per 1000.
All from 3½-in pots.

P. R. QUINLAN, SYRACUSE, N. Y.

DENVER, COLO.—The deepest fall of snow we have had in a year occurred here May 4 and caused a falling off of business. We expect this to be our last for this season and that the spring trade will start in earnest; one and one-half inches of water fell in 36 hours.—W.

ROSES

A SPECIATLY.

The Dingee & Conard Co.,
WEST GROVE, PA.

DES MOINES, IA.—Articles of incorporation were filed by the James S. Wilson Floral Co., April 22. James S. Wilson, of Vaughan's Greenhouses, Western Springs, Ill., and Robert Bebb are the incorporators. The capital stock of the new company is $25,000.

1-year-old Bench Plants

	Per 100	1000
Beauties	$ 5.00	$ 40.00
Maids	2.50	20.00
Chatenay	2.50	20.00

From 2½-in. Pots.

Maids	$ 3.00	$ 25.00
Richmond	3.00	25.00
Moulton	3 00	25.00
Smilax	2.50	20.00

No order for less than 100 accepted.

GEORGE REINBERG,
35 Ranpolph St., Chicago.

CARNATIONS

Rooted Cuttings. Healthy stock.

	Per 100	1000
Winsor Helen M. Gould Beacon	$6.00	$50.00
White Enchantress	7.00	60 00
Melody, Victory	4.00	
Enchantress, Lady Bountiful, Red Lawson, Variegated Lawson, White Lawson, Dabeim	3.00	25.00
Mrs. T. W. Lawson, Boston Market	2 00	15.00

Send for Catalogue.

WOOD BROTHERS
FISHKILL, N. Y.

ROSES.

	Per 100
K. A. Victoria, 2½-in.	$ 3.50
Richmond, Chatenay, Bon Silene, 2½-in.	2.50
Geranium, Mme. Salleroi, 2¼-in.	2.50
Vinca Variegated, 2½-in.	2.50
White Dahlia, pot or bench, 3-in.	8'00

HARRY HEINL, W. Toledo, O.

JOHN E. HAINES,
BETHLEHEM, PA.,

is the place to order rooted cuttings of the following varieties for 1908.

	Per 100	Per 1000
John E. Haines, red	$6.00	$50.00
Imperial, variegated	6.00	50.00
Pink, Pink	6.00	50.00
Enchantress, Light pink	6.00	50.00

Yellow Alternantheras

equal to 2-in. 70c per 100; $5.00 per 1000. **Coleus.** 2½-in. strong $2.00 per 100; $18.00 per 1000; 5000 for $75.00. **Salvias** $1.00 per 100; $8.00 per 1000.

Express prepaid on all rooted cuttings.

C. HUMFELD, Clay Center, Kas.

Alternantheras.

Strong rooted cuttings. P. Major (red), A. Nana (yellow). 50c per 100; $4.00 per 1000.

J. W. Davis & Co.
2900 Brady St., Davenport, Iowa.

MINNEAPOLIS, MINN.—The members of the Inter-Lachen Flower Society were entertained at the home of Mrs. Andreas Ueland on Calhoun boulevard May 1. Park Superintendent Theodore Wirth was to have been present and give a talk on "Gardening Perplexities" and also conduct the round table which opened the subject to the general discussion of the club. His place was taken by Mrs. Ueland, who read Mr. Wirth's paper. The club not only plans to hold another flower show in August but it is using every means to encourage the children as well as the citizens of Linden Hills to beautify the streets and develop artistic gardening. Over 2,000 packets of seeds have been already given out to the children at one cent a packet, and 200 gladiolous bulbs are ready for distribution.

GRAFTED ROSES.

NOVELTIES.

Mrs. Jardine, Rhea Reid, Queen Beatrice.
The above, $6.00 per doz., 50 plants for $18.00 $35.00 per 100.
MY MARYLAND, 50c each, $5.00 per doz., $35.00 per 100.
On own roots, 2½-in. pots, $25.00 per 100, $2.00 per 10, 3-in. $5.00 per doz.

STANDARD VARIETIES.

Aurora, Betty, Bon Silene, Bride, Bridesmaid, Enchanter, Etoile de France, Franz Deegan, Gen. McArthur, Golden Gate, Hermosa, Ivory, Kaiserin Augusta Victoria, Kate Moulton, Killarney, La Detroit, Maman Cochet, Marechel Niel, Mme. Abel Chatenay, Mme. Hoste, Mrs. Pierpont Morgan, Papa Gonter, Rosalind Orr, English, Richmond, Souv. du President Carnot, Souv. de Wooton, Uncle John, Wellesley, White Cochet.
GRAFTED, 2¼-inch pots, 20c each, $2.00 per doz., $15.00 per 100, $120.00 per 1000.

OWN ROOT ROSES.

From 2½-inch pots, repotted from 2-inch.
Kaiserin, Augusta Victoria, Killarney, Bride, Bridesmaid, Ivory, Golden Gate, Uncle John, Richmond, Mme. Abel Chatenay, Aurora, $1.00 per doz. $6.00 per 100, $50.00 per 1000.
From 2-inch pots, ready for shipment, $3.50 per 100, $30.00 per 1000.

CARNATIONS.—Rooted Cuttings.

	100	1000
White Perfection	$ 2.50	$ 20.00
Rose Pink Enchantress	3.50	30.00
Enchantress	2.50	20.00
Queen Louise	2.50	20.00

From 2¼-inch pots, add $1.00 per 100.

MISCELLANEOUS PLANTS.

AGERATUM, Stella Gurney, Princess Pauline.
SALVIA, Splendens, S. Bonfire.
HELIOTROPE,
Rooted cuttings 75c per 100, $6.00 per 1000.

COLEUS.

Verschaffeltii, Golden Queen, Fire Brand, Lord Palmerston, Queen Victoria, Beckwith's Gem. Prices of rooted cuttings by express, 60c per 100; $5.00 per 1000. Less than 250 of a variety will be charged at the 100 rate.

COLEUS.

Golden Bedder, Hero, Messey, Pearl of Orange, 75c per 100, $6.00 per 1000. Less than 250 of a variety will be charged at the 100 rate.
Fancy varieties, a very fine assortment of twelve kinds not listed above; 75c per 100, $6.00 per 1000, 250, in assortment, our selection, at the 1000 rate.

ASPARAGUS PLUMOSUS NANUS SEEDLINGS.

From flats, $10.00 per 1000.

CHRYSANTHEMUMS.

Ready for Shipment.

Virginia Poehlman, Angele Laurent, Golden Dome, Mlle. Jeanne Rosette, Money Maker from 2¼-in. pots, $2.00 per doz. $10.00 per 100.
Mrs. Clay Frick, Zimmers Yellow, Mary Mann, from 2¼-in. pots, $1.00 per doz., $6.00 per 100.
Rooted cuttings, $5.00 per 100.
CHOICE POMPONS, Klondyke, Quinola.
CHOICE SINGLE VARIETIES, Kitty Bourne, Mrs. Roberts, Amorita, from 2¼-in. pots, $1.00 per doz.

STANDARD VARIETIES

WHITE—Early; Geo S. Kalb, Polly Rose, Early Snow, October Frost. Mid-Season: Clementine Touset, White Shaw, Mrs. H. Robinson, Beatrice May Merza, Niveus, Queen, Alice Byron, Eureka Miss Minnie Wanamaker, Adelia, Late: Mrs. McArthur, Timothy Eaton, W. H. Chadwick, Merry Christmas.
PINK—Early: Glory of the Pacific, Rosiere, Mid-Season; J. K. Shaw, Adelia, A. J. Balfour, William H. Duckham, Dr. Enguehard, Morton F. Plant. Late: Maud Dean, The Harriott, Mayor Weaver, Mrs James Marshall.
YELLOW—Early: Monrovia. Mid-Season: G. Pitcher, Col. D. Appleton. Late: Major Bonnaffon, Golden Wedding, H. W. Reiman, Yellow Eaton.
RED—Cullingfordi, Merstham Red, Matchless.
BRONZE YELLOW—Mrs. William Duckham, Old Gold.
POMPONS—Baby (Yellow), Lulu (White), Briolas (Pink).
From 2¼-in. pots, 5c each, 50c per dozen, $3.00 per 100, $25.00 per 1000. Rooted cuttings, $.200 per 100, $15.00 per 1000.

SMITH'S NOVELTIES FOR 1908.

Golden Glow, Pacific Supreme, White Clou d 2¼-in. pots, $5.00 per dozen. Ready for shipment

A. N. PIERSON, - Cromwell Conn.

ROSES.

Tausendschon, Lady Gay and Anny Muller, 1½-in., $5.00; 3-in., $10.00 per 100. Ideal, Wellesley, G. McArthur, P. Neyron, Vick's Caprice, D. of Edinburgh, G. de Brussels, M. Plantier, C. Lefebvre, M. Niel, Mrs. De Graw, 2-in., $2.50 per 100. Golden Gate, H. Gould, F. Deegan, F. E. Willard, Kaiserin A. V., Richmond, V. Folkestone, C. Hybrid, Gen. Jacq., J. Margottin, M. of Lorne, Jubilee, L. H. Stuart, La Reine, U. Brunner, M. P. Wilder, P. C. de Rohan, L. Van Houtte, M. Charta, Apricot Aurora, White Cochet, R. M. Henriette, L. Battersea, Safrano, 3-in., $6.00 per 100. D. de Brabant, Bride, Bridesmaid, Ivory, P. des Jardins, Enchantress, F. Robertson, Wellesley, S. de P. Notting, Killarney, Manda's Triumph, Pink Rambler, Yellow Rambler Phil. Rambler, Prairie Queen, Seven Sisters, Baltimore Belle, Cl. C. Brunner, Debutante, Lily Ito, Queen Alexandria, Mme. Driout, 4-in., $8.00 per 100.

Wagner Park Conservatories, Sidney, Ohio.

Afterglow

Strong Rooted Cuttings now ready,
$12.00 per 100; $100 per 1000.

R. WITTERSTAETTER,
(Originator)
Station F. CINCINNATI, O.

Jensen & Dekema

CARNATION SPECIALISTS

674 W. Foster Ave., CHICAGO.

PROTECTS BUYERS.

AMERICAN FLORIST CO :- I buy a good many plants and always expect just what I order when I buy of advertisers in the AMERICAN FLORIST.
D. H. STEDMAN.
Glouster, O., May 11, 1908.

New Roses

ANNY MULLER, Pink Baby Rambler
2½-in. $5.00 per 100.
LADY GAY, Very Choice Stock,
2½-in. $5.00 per 100; $40.00 per 1000.
TAUSENDSCHON, New Climber,
2½-in. $5.00 per 100; $40.00 per 1000.

VICK & HILL CO.
P. O. Box 613, Rochester, N. Y.

Roses AND Vincas.

See column adv. page 799. May 9.
400 best sorts 2½ and 4-inch.

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO

ROBERT CRAIG CO.

WELL GROWN YOUNG **ROSES**
and Novelties in Decorative Plants.
Market and 49th Sts., Philadelphia, Pa.

Rooted Cuttings Prepaid per 100. Heliotrope, Alternanthera, 50c; Coleus, Ageratum, 60c; Salvia, 85c.
Fuchsia, 5 fine kinds, 2-in., $1.50 per 100.
Ageratum, Stella Gurney, nice 2-in., 1½c. Cash.
SHIPPENSBURG FLORAL CO. Shippensburg, Pa.

Portland, Ore.

Great preparations are being made for the competitive rose show and festival, which is to be held in this city June 2 to 7. The season is rather backward, but it is expected that plenty of roses will be available for the occasion, which is one of wide interest throughout Oregon, Washington and Idaho.

W. S. Sibson, proprietor of the Sibson Rose Nurseries, has been designated to act as one of the judges at the rose show, which will be held under the auspices of the Portland Rose Society.

FORT WAYNE, IND.—W. J. & M. S. Vesey have rented a down-town store and will open on July 1.

LARGEST STOCK OF ALL

Belgian Plants

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

LOUIS VAN HOUTTE, PERE,
GHENT, BELGIUM.

..BOSTON FERNS..

2-inch, 3c; 2½-inch, 4c; 3-inch, 6c; 4-inch, 10c.

Asparagus plumosus, 2-inch, 3c.
Asparagus Sprengeri, 3-inch, 4c; 5-inch, 10c.

Chatogue Greenhouses,
MOBILE, ALA.

FIRST-CLASS STOCK.

100,000 Geraniums. in bud and bloom, grown apart, Nutt, D. Grant, Buchner, Poitevine, Castellane, Rose, etc.; strong 3½ and 4-in., $5.00 per 100, $45.00 per 1000; 3-in., $3.50 per 100.
Vinca Variegata, 3½- and 4-in., $6.00 per 100.
M. Verbenas, Lobelia, trailing and compacta,
Ageratum, blue, all in bud and bloom. **Salvia,** Bonfire and Spl. **Coleus,** 12 varieties, strong, 2-inch, $1.50 per 100; $14.00 per 1000; Strong 3-in., $2.50 per 100.
Begonia Vernon and **Cannas,** strong, 3-in., in bud and bloom, $4.00 per 100;
German Ivy, Dreer's single fringed **Petunias,** in bloom, strong 3-in., $2-50 per 100.
Heliotrope, bushy, 3-in., $3.00 per 100.

Cash. **Satisfaction Guaranteed.** Extras added to help pay expressage.

WM. S. HERZOG, Morris Plains, N. J.

Now is the time to place your orders for

Begonia Gloire de Lorraine, Cyclamen and Poinsettias.

I am well equipped to supply the above in any quantity at the following prices:
Begonia Gloire de Lorraine, 2½ in. pots (leaf cuttings), **$15** per 100; **$140** per 1000.
Cyclamen, per 100, 2½ in., **$5**; 3 in., **$7**; 4 in., **$15**; 5 in., **$20.**
Poinsettias, 2½ in., **$5** per 100; **$45** per 1000.
Satisfaction guaranteed.

S. S. SKIDELSKY
1741 N. 18th St., Philadelphia, Pa.

THE
CHRYSANTHEMUM MANUAL.
BY ELMER D. SMITH.
NEW AND REVISED EDITION.
Price 40 Cents. Cash with order.
AMERICAN FLORIST CO.
324 Dearborn St., CHICAGO.

Schultheis Specialties

Boxwood Bushes, in fine shape.
In 6-in. pots, 1 ft. tall, $3.00 per doz.
In 6½-in. pots, 1 ft. 6 in. tall $4.00 per doz.
In 7-in. pots, 2 ft. tall, $6.00 per doz.
In 8-in. pots, 2 ft. tall, (wider), $9.00 per doz.

Pyramid Boxwood, in tubs.
3 ft. tall, $4.00 per pair.
3 ft. 6 in. tall, $4.50 per pair.
4 ft. tall, $5.00 per pair.
5 ft. tall, $6.00 per pair.
5 ft. 6 in. tall, $8.00 to $10.00 per pair.

Boxwood Crowns, stem 1 to 3 ft. $1.50, $2.00, $3.00, $4.00, $5.00 per pair.
Bay Trees, in tubs, 4 ft. stem, 2 ft. crown diameter, $15.00 to $18.00 per pair.
Aucuba, Japonica Variegata, in 8 in. pots, 2 to 2 ft. 6 in. tall, fine and bushy, $18.00 per doz. In tubs, 3 ft. tall $2.50 to $3.00 each.
Baby Ramblers, in 5½-in. pots, $3.00 and $4.00 per doz.

Boston Ferns, in 3-in. pots, $10.00 per 100; 4½ in. pots, $15.00 per 100.
Scottii Ferns, in 3-in. pots, $10.00 per 100.
Whitmani Ferns, in 2½-in. pots, $10.00 per 100

New Polyantha rose APPLE BLOSSOM, color apple-blossom pink; earliest rose to bring in bloom and beautiful as a pot plant. Grafted plants in 3-, 4- and 4½-in. pots, $25.00, $30.00 and $35.00 per 100. Plants on own roots, 2½-, 3- and 3½-in. pots, $15.00, $20.00 and $25.00 per 100. **Maman Levavasseur,** or pink Baby Dorothy, grafted plants, 4- and 4½-in. pots, $25.00 and $30.00 per 100. We will book orders now for delivery the 1st of October of grafted plants of the **Everblooming Crimson Rambler** or **Flower of Fairfield,** from 4- and 4½-in. pots at $75.00 and $100.00 per 100 respectively. Own root plants from 2½- and 3½-in. pots, $50.00 and $75.00 per 100. The best thing ever introduced producing flower trusses on each and every shoot. Color a few shades more brilliant than Crimson Rambler from which it is a sport.

The Following will be in for DECORATION DAY

Hydrangeas, in bud, in 5½-in. pots, $6.00 and $9.00 per doz.
Crimson Ramblers, in 6-, 6½-, 7- and 8-in. pots at $6.00, $9.00, $12.00 and $15.00 per doz. fine and full of buds. Also by the 100
Dorothy Perkins, very fine, 6-, 6½- and 7-in. pots, $6.00, $9.00 and $12.00 per doz.
Spirea, Gladstone, in 6-, 7- and 8-in. pots, fine very large plants at $6.00 per doz. Extra large plants in 8-in. pots, $9.00 per doz.
Araucaria, Excelsa, 5- 5½- and 6-in. pots, 75c $1.00 and $1.50 each.

ANTON SCHULTHEIS,
316 19th Street, COLLEGE POINT, L. I., N. Y.

PALMS Home Grown.

ARECA LUTESCENS.

	Each	Doz.
6-in. pot, 3 plants, 24 to 26 in. high	$1.00	$12.00
7-in. pot, 3 plants, 30 to 32 in. high	2.00	24.00
8 in. pot, 3 plants, 36 to 40 in. high	3.00	36.00

COCOS WEDDELLIANA.
2½-in. pot, 8 to 10 in. high........ .10
2½-in. pot, 10 to 12 in. high........ .15

KENTIA FORSTERIANA.
9-in. tub, 4 plants, 4 ft. high, heavy 6.00

KENTIA BELMOREANA.

	Each	Doz
6-in- pot, 6 to 7 leaves, 22 to 24 in..	1.00	12.00
6-in. pot, 6 to 7 leaves, 24 to 26 in..	1.25	15.00
6 in. pot, 6 to 7 leaves, 26 to 28 in..	1.50	18.00
6 in. pot, 6 to 7 leaves, 30 to 36 in..	2.00	24.00
7-in. pot, 6 to 7 leaves, 32 to 34 in., heavy	2.50	30.00
9-in. tub, 6 to 7 leaves, 42 to 48 in., heavy	5.00	60.0

JOSEPH HEACOCK COMPANY, Wyncote, Pa.

FERNS. FERNS.

2¼-inch Boston and Piersoni, extra strong	$ 3.00 per 100;	$ 25.00 per 1000
3 -inch " " " "	6.00 per 100;	55.00 per 1000
5 -inch " " " "	25.00 per 100;	
6 -inch " " " "	35.00 per 100;	
2¼-inch Scotti and Elegantissima, extra strong	4.00 per 100;	35.00 per 1000
3 -inch " " " "	8.00 per 100;	75.00 per 1000
2¼-inch Asparagus Plumosus " "	3.00 per 100;	25.00 per 1000
4 -inch " " "	8.00 per 100;	75.00 per 1000
2¼-inch " Sprengeri, " "	2.25 per 100;	
3 -inch " " " "	5.00 per 100;	
4 -inch " " " "	8.00 per 100;	

Hardy Plants Get our prices on Seedlings transplanted and field-grown. We have a very fine assortment of undivided clumps.

See our offerings of Bedding plants among the classified advertisements.

THE MOSBÆK GREENHOUSE CO., ONARGA, ILL.

Neph. Whitmani

2¼-inch..........................$ 5.00 per 100
3½-inch.......................... 25.00 per 100

Boston Ferns 2¼-inch, per 100. $3.00

Henry H. Barrows & Son, WHITMAN, MASS.

..BOSTON FERNS..

3-in pots, $1.00 per doz.; $7.00 per 100.
4-in pots, 1.50 per doz.; 10.00 per 100.
5-in pots, 4.00 per doz.; 25.00 per 100.

WHITMANI FERNS

3-in pots, $1.00 per doz.; $7.00 per 100.
4-in pots, 1.50 per doz.; 10.00 per 100.
——Cash please——

Muskogee Carnation Co., Muskogee, Okla.

Dormant Roses

Two-Year-Old No. 1 Stock.

	Per 100
American Beauty, bench grown	$10.00
Frau K. Druschki, budded	15.00
Soleil d'Or, budded	15.00
Paul Neyron, budded	15.00
Magna Charta, budded	11.00
Mad. G. Luizet, budded	11.00
Perle des Blanches, budded	11.00
Mrs. Sharman Crawford, budded	15.00
Mad. Plantier, own roots	10.00

	Per 100.
Memorial Roses, 5 kinds, own roots	10.00
Rugosa Roses, Red and White	12.00
Moss Roses, White, Pink and Red, budded	12.00
Prairie Queen, own roots	10.00
Baltimore Belle, own roots	10.00
Standard Baby Ramblers, 4 ft.	50.00
Half Standard Baby Ramblers, 3 ft.	50.00
Standard Dorothy Perkins, 8-10 ft.	Each $1.50
Standard Crimson Rambler, 8-10 ft.	Each 1.50

VINES.

	Per 100
Ampelopsis Quinquefolia, 3 yr.	15.00
Aristolochia Sipho, 3 yr.	25.00
Honeysuckle Belgica, 3 yr.	25.00
Honeysuckle Heckrotti, 3 yr.	25.00
Honeysuckle Scarlet Trumpet, 2 yr.	12.00
Ampelopsis Veitchii, 3-4 ft.	15.00
Ampelopsis Veitchii, 2-3 ft.	12.00
Ampelopsis Veitchii, 18-24 in.	10.00

	Per 100
Clematis Jackmanni, 2 yr. pot grown	20.00
Clematis Henryii, 2 yr. pot grown	20.00
Clematis Gipsy Queen, 2 yr. pot grown	25.00
Clematis Gipsy Queen, 3 yr. field grown	25.00
Clematis Ville de Lyon, pot grown	20.00
Clematis Ville de Lyon, 3 yr. field grown	25.00
Clematis Beauty of Worchester, 2 yr. pot grown	30.00
Clematis Montana Rubens	Each $1.00

CARNATIONS—Rooted Cuttings.

	Per 100	Per 1000
Afterglow, 2-in. pots	$12.00	$100.00
Andrew Carnegie, 2-in. pots	12.00	100.00
Defiance	12.00	100.00
Sarah Hill, 2-in. pots	12.00	100.00
White Enchantress	6.00	55.00

	Per 100	Per 1000
Red Riding Hood, from soil	5.00	40.00
Winsor, from soil	6.00	45.00
Mrs. Patten, from soil	2.50	20.00
Prosperity, sand	2.50	20.00

VAUGHAN'S SEED STORE, 84-86 Randolph Street, CHICAGO
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Greenhouses and Nurseries: Western Springs, Ill.

Strictly First-Class PLANTS

ON OWN ROOTS
2½-pots to line out.

$2.50 per 100
$25.00 per 1000
Baby Rambler
Clothilde Soupert
Dorothy Perkins
Mme. A. Chatenay
Crimson Rambler

$2.75 per 100
$27.50 per 1000
Hermosa
Maman Cochet
Malmaison
Etoile de Lyon
Helen Gould
Lady Gay
M. Neil
Notting
Meteor
White Maman
Albany
La France

ROSE PLANTS

$3.00 per 100
$30 00 per 1000
Mme. C. Wood
P. C. de Rohan
Mme. Plantier
Genl. Jacq.
Black Prince
Mme. Masson
Richmond
Kaiserin
Paul Neyron

$3.50 per 100
$35.00 per 1000
Capt. Christy
Magna Charta
Etoile de France
Gen. McArthur
Mme. J. Guillemot
Mrs. J. Laing

Helen Good
Killarney
$5.00 per 100

J. B. Clark
Druschki
$8.00 per 100

C. M. NIUFFER, Springfield, O.

60,000 Grafted Roses

	Per 100
Chatenay, Killarney, Richmond, Liberty, La France, 3½-in. pots	$18.00
Bride, Bridesmaid, Golden Gate, Kaiserin, 3½-in. pots	15.00

OWN ROOT ROSES.

Bride, Bridesmaid, Killarney, Richmond, Chatenay,
3-inch pots, $7.00 and $9.00 per 100.

50,000 VERBENAS.

In bud and bloom ..... $2 50 per 100; $20.00 per 1000
Good varieties of **COLEUS** at Verbena prices.

J. L. DILLON, Bloomsburg, Pa.

KAISERIN Extra Fancy Plants.

2½-in., per 100, $4.50; per 1000, $40.00.

Killarney

3 in., own roots, per 100	$ 7.00
Grafted on Manetti, 2½-in., per 100	12.00
Grafted on briar, 2½-in., per 100	10.00

BENCH PLANTS.

	Per 100	Per 1000
Richmond	$3.00	$25.00
Maid	3.00	25.00

	Per 100	Per 1000
Bride	$3.00	$25.00
Chatenay	3.00	25.00

BEAUTIES, $6.00 Per 100 $50.00 Per 1000

—All are now ready for shipment.—

BASSETT & WASHBURN, Greenhouses: HINSDALE, ILL.
Office: 76 Wabash Ave., CHICAGO.

RICHMOND, VA.—Special honor was shown the dead of the Confederate navy in the Memorial day celebration May 9 of the Junior Oakwood Memorial Association. The young ladies had a staunch little boat built, which they covered with flowers and set adrift upon the James, and they asked every river man to aid them by helping to keep the boat in the stream so that it drifted down to the bay, and out to the open sea. Thus the ladies have placed flowers upon the vast deep, the grave of many gallant patriots who gave their lives to the service of their country. Over this little boat, from a slender mast, floated a small Confederate national flag.

DORCHESTER, VA.—John Horsman, of the Colonial Greenhouses, says that the sales of roses and carnations at Easter were 50 per cent higher than those of last year, but pot plant sales were light.

LOUISVILLE, KY.—Robt. Johnson, son of M. Johnson, president of the State Horticultural Society, died in New Mexico, where he had gone in search of health, May 3, at the age of 21.

GEO. A. KUHL,

Wholesale grower of plants at
PEKIN, ILLINOIS

— OFFERS —

CHRYSANTHEMUMS

If you want some extra early try **Robt. Halliday,** yellow, and **Willowbrook** and **Kalb** for whites. We have 3 varieties of pink; 8 of yellow; 10 of white, all good ones. R. C. $1.50; 2½-in. pots at $2.50 per 100.

Fine Smilax at $2.50. Specially low prices for soft wooded plants. Ask for our list.

ROSES.

1000 extra fine **Killarneys.** Ask for our complete rose list. Stock will please you.

Cannas, 3- and 3½-in.
Coleus. Red, yellow, and mixed. R. C. and 2-in.
Geraniums, 2½-, 3- and 4-in. red, white pink and salmon.

FERNS.

Our stock is fine, we grow 50,000 annually.

HYDRANGEAS.

A lot of 3-in. at $10.00 per 100. 6- and 7-in. pots, fine for Decoration Day at 50c, 75c and $1.00 each.

Baby Ramblers, in 4-in- 25c., 5-in. 40c.
Souperts, in 3-in. 15c., 4-in. 20c
Crimson Ramblers, 6-in. $1.00; 3-year-old roots.
Dormant Ramblers, Crimson, white, and yellow 3-year-old $5.00 a dozen.
Clematis, 3-year, $6.00 per doz.

SPECIAL GERANIUMS.

15,000 in 2½-, 3- 3½- 4- and 5-in. pots. 10,000 **Asters** in flats and 2-in. pots. 5000 **Smilax** in 2-in. pots.

Rex Begonias

Ready to Hand Over the Counter.

Will not have to be kept in stock for a few weeks to become salable, but will sell on sight. We get duplicate orders; no complaints.

Flowering varieties, Carnot, Thurstoni, Olbia, Metallica, Rubra, etc., 2½-in., strong, $4.00 per 100. $ 6.00 buys 100, assorted, from 3 and 3½-in. pots. $10.00 buys 100, assorted, from 4-in. pots.

Fancy Coleus, 2½-in., stroug, $2.50 per 100.

HERMS FLORAL CO.,
713 Chillicothe St, **PORTSMOUTH, OHIO.**

FERNS
FOR DISHES.

Assorted Varieties.
From 2-in pots, $3.00 per 100; $25.00 per 1000.
Dracaena Indivisa.
6-in. pots 50c each. 7-in. 75c to $1.00 each.
Cash with order.

Frank Oechslin
2570-2606 W. Adams St., Chicago.
Formerly Garfield Park Flower Co.

SOUTH BETHLEHEM, PA.—June 17 has been decided upon as the date for holding the 1908 floral show in the market house of the old town. This and other preliminary details were arranged at a recent meeting of the committee appointed by the Industrial Commission of Bethlehem to carry out the plan, projected by the commission at Burgess Conlin's suggestion, of affording the flower-loving citizens of these towns an opportunity to exhibit the products of their flower beds and flower gardens. The date selected for the show is about the time the roses and other early summer flowers are at their best.

GERANIUMS

Good strong stock From 2-in. pots.

	Per 100	1000
Centaure, Double Genl Grant, El Chid, Miss Kendall, S. A. Nutt Granville, Jacquerie, Mrs E G Hill, etc	$ 2 00	$ 18 50
Alph. Ricard, Berthe de Presilly Jean de la Brete, Alice of Vincennes, etc	3 00	00
Double Dryden, E. H. Trego, Peter Henderson, Telegraph etc	$ 4 00	$ 35 00
Eugene Sue, Mrs Lawrence, Paul Crampel, Mistral, Jean Oberlee, Col Thomas, etc	6-00	50 00
Rose, Nutmeg, Oak leaved and Balm	2 00	

A cordial invitation is extended to all interested in Geraniums to visit us during May and June to inspect our new stock houses, containing over 60,000 plants, and especially to see our new show house. In it there are over 300 varieties in full bloom, a splendid opportunity to compare the newer introductions with the old standards, and to select stock for next season. We will make a very liberal special prices on all orders booked during May and June for December delivery. We are at Cowenton on the B. & O. R. R. and at Chase on the Pennsy. We meet all trains.

PELARGONIUMS In good variety 3-inch pots, $1.50 per dozen, $6.00 per 100.

DAHLIA ROOTS Whole field clumps at $5.00 per 100 and up. Send for list

HARDY CHRYSANTHEMUMS A splendid collection of 75 of the very best varieties, small flowered or Button kinds. $2.00 per 100; large flowered or Aster flowered, $3.00 per 100.

DAHLIA PLANTS From 2-in. pots ready for shipment, at $2 00 per 100 and up. We will send 1000 in 20 good varieties, our selection for $18.50

	Per 100
Ageratum, Stella Gurney	$2 00
Begonia, Vernon White and Rose	2.00
" Gracilis White and Rose	2.00
Coleus, Verschaffeltii, Golden Bedder, and other kinds	2.00
Fuchsias, Black Prince and Minnesota	2.00
Lieutenant Muritz, White and Rose Phenomenal	2.50
Hardy English Ivy, extra strong	$15.00 per 1000 2.00
Nymphea Odorata Gigantea, Water lily	3.50
Hollyhocks, strong 3-in. pot plants, dbl. white, pink, red and yellow	$3.00
Hardy Phlox, Andreas Hoffer	2.00
Ivy Leaved Geraniums, 6 good kinds	$25.00 per 1000 $3 00
Lobelia, Crystal Palace Gem	2.00
Lobelia, Kathleen Mallard, 2-in	3.00
Lavender, 2½-in. pots, strong	3.00
Swainsona alba	2.00
Tradescantia, dark variegated	2.00
Verbena red, white purple and pink	2 00
Rubber Plants, Ficus elastica, per doz	2 00

Visitors always welcome. Cash with order.

R. Vincent, Jr. & Sons Co., WHITE MARSH, Balto Co., MD.

WE WANT TO BUY
Your Ferns, Palms, Etc.

If you have anything in this line to offer, write to us TO-DAY. We want to buy these in quantities to use as leaders in our special sales. Only such stock that's ready to retail; we have no greenhouses.

ALPHA FLORAL CO.,
1105 Walnut Street, KANSAS CITY, MO.

Cycas Stems

VAUGHAN'S SEED STORE,
CHICAGO, 84-86 Randolph St.
NEW YORK, 14 Barclay St.

PARKERSBURG, W. VA.—J. W. Dudley & Sons, report good business the past year and Easter trade unusually brisk. The firm's business is steadily increasing every year under the able management of Ernest Hiehle. Twenty thousand chrysanthemums will be grown this season, some of them for the National Flower Show at Chicago this fall. A large violet house will be added this summer.

Vinca Variegata

We have been headquarters for years for extra large 4-inch Vincas, but our plants this year are better than ever; from 15 to 25 vines to a plant; better plants than most florists sell from 6-inch pots; also a few hundred of the green variety. A sample dozen sent for $1.50.

BOSTON FERNS A nice stock of 3 and 4-inch plants, ready for a shift, $6.00 and $12.00 per 100.

Elegantissima and Piersoni,
From 2¼-inch pots, 3c; extra fine stock.

Strong 2-inch pot, **COLEUS,** in 12 best bedding and fancy varieties, $2.00 per 100.

W. W. COLES, Kokomo, Ind.

FOR SALE.

Four large specimens Latania Borbonica Palms, 12-feet high and spread, in large cypress boxes. Also six (6) smaller ones in boxes. Make me an offer. Can be shipped at once by freight.

JOHN RALPH, Saratoga, N. Y.

Chrysanthemums . . .

	Per 100
WHITE—	
W. H. Chadwick	$2 00
White Bonnaffon	1 50
October Frost	1 50
Estelle	1 50
Clementine Touset	1 50
Ivory	1.50
Geo. S. Kalb	1.50
Jeanne Nonin	1 50
YELLOW—	
Golden Chadwick	$2 00
Major Bonnaffon	1 50
October Sunshine	1 50
Golden Wedding	1.50
Monrovia	1 50
PINK—	
Dr. Enguehard	1 50
Glory of Pacific	1 50

Satisfaction Guaranteed.

A. F. LONGREN, Des Plaines, Ill.

Chrysanthemums

FOR EVERY PURPOSE.

A partial list with prices appeared in previous issue.

ELMER D. SMITH & CO.,

Successors to Nathan Smith & Son,

ADRIAN, MICH.

FINE STOCK.

Plumosus	$ 30.00 per 1000
Sprengeri	15.00 per 1000
Smilax	15.00 per 1000

Sample plants 10c each.

Geraniums, Nutt, Perkins, Poitevine, Castellane, Ricard at $10.00 per 1000.

ALBERT M. HERR,

LANCASTER, - PA.

Kentia Forsteriana

MADE UP PLANTS.

Fine, Clean, A1 Stock.

8-in. pot, 3 to 4 ft. high.....$2.00 each
10-in. pot, 4 to 5 ft. high..... 4.00 each
10-in. pot, 5 to 6 ft. high..... 6.00 each
12-in. pot, 5 to 7 ft. high..... 8.00 each

HEISS, Florist,

112 S. Main St., DAYTON, O.

NORWICH, CONN.—The Spring meeting of the New London County Horticultural Society, held at the Buckingham Memorial, May 4, was well attended and was called to order by Vice President Rev. N. P. Carey, as President Thomas W. Head of New London, was absent. The minutes of the previous meeting were read by Secretary Frank H. Allen and approved. The only other business was the presenting of the name of B. P. Bishop for membership, and he was elected to the roll. Peter Zugra gave a talk on roses.

GERANIUMS.

S. A. Nutt, John Doyle and some pink, 4 in. pots, $7.00 per 100; and mixed varieties.

Begonia Vernon, newest strain, flowers as dark as blood; seeds gathered by myself from specimen plants in Zurich, Switzerland, during my trip to Europe; 4-in. pots, $8.00 per 100; 3-in., $6.00 per 100.

Begonia Erfordi, true; this is one of the best pink varieties known; it is a sight to see a bed of them in bloom; nothing but a mass of flowers. This plant decorates the flower beds of aristocratic people in England, Germany, Switzerland and Paris. Price: 4-in., $8 00 per 100; 3-in., $6.00 per 100.

	Per 100
Nasturtiums, dwarf, all shades, 3-in. pots	$5.00
Heliotropes, 4-in. pots	7.00
3-inch pots	5.00
Fuchsias, best varieties, 4-in. pots	10.00
Cosmos Grandiflora, white, red or pink, 3 plants in a 3 in. pot	5.00
Cannas, French, best varieties, about 12 different, distinct varieties by name, 4-in. pots	$7.00 to 8.00
Cobea Scandens, nicely staked up, 4 in., 10c	
Petunias, California Giant, 3-in. pots	5 00
Inimitable or dwarf, 2½-in	3.00
Verbenas, all shades 2½-in	3.00
Phlox Drummondi, 2½ to 3-in., Grandiflora varieties	3.00
English or **Hardy Ivy,** 3 feet high, 4-in., 12c	
German or **Parlor Ivy,** 2½-in	3.00
Centaurea Gymnocarpa or **Dusty Miller,** 2½-in	3.00
Cuphea or **Cigar Plant,** 2½-in	3 00
Lobelia, dwarf or trailing, 2½-in. (Crystal Palace)	3.00
Sweet Alyssum, Carpet of Snow or Little Gem, 2½-in	3 00
Vinca Variegata or **Perriwinkle,** 4 in.	10.00
2½-in	4.00
Coleus, Queen Victoria, Golden Bedder, Verschaffelti, 2½-in	3.00
Fancy varieties	4 00
Tradescantia, 2½-in., two best varieties	3.00
Torenia Fournieri, 2½-in. pots	4c
Salleroi Geraniums, for borders, strong plants	4.00
Summer Chrysanthemums, 3-in. pots	4.00

Everybody Talks About It!

LIKE THE BEE

A Prosperous Florist Is Never Idle.

So is **GODFREY ASCHMANN,** the Philadelphia Hustler.

An immense stock of bedding plants is now ready. Every hole and corner full for immediate shipment.

Ageratum, dwarf, best blue, 4 in., $7.00 per 100; 3-in., $4.00 per 100.

Scarlet Sage or **Salvia,** Clara Bedman or Bonfire. Ours is the true genuine variety so much admired in all the capitals of Europe and America. Deep red, medium tall varieties; free bloomers. Seeds of these famous varieties were gathered by myself in Zurich, Switzerland, the home of the Salvias. Price: 4-in., $8.00 per 100. Have 5,000 of these to offer.

Rose Bushes, imported from Europe last fall, 3 feet high, Paul Neyron, Mrs. John Laing, Magna Charta, Jacqueminot, Hermosa, 6 in. pots, 35c; Baby Rambler, 5½-in., 35c.

Clematis, the true Jackmani, 6-in. pots, 3 feet, 35c to 40c.

Don't Forget We Lead the World in

MOONVINES.

Watch and be careful you don't buy Morning Glories for Moonvines.

We grow only the best varieties, hybrid or **Ipomoea Noctiflora,** for which we have had, for the past 20 years, a world-wide reputation. We ship every season, May and June, 20 000 to 25,000 plants into every state and territory in America, and in Cuba and Mexico. This Moonvine is much earlier than any other variety in existence; blooms freely, with very fragrant, pure white waxy flowers, and as large as a saucer. Price: 4-in. pots, nicely staked up, 30 to 36 inches high, $12.00 per 100; 2½-in. pots, $5 00 per 100.

Kentia Belmoreana, 5¼-in. pots, 20 to 25 in. high, 40c to 50c; 4-in. pots 20-in. high, 35c; 6-in., just received from Europe, **Belmoreana** and **Forsteriana,** $1.00 each.

Araucaria Excelsa Glauca, spring importation, 1907; have only specimen plants left, 7-in. pots, 6 years old, 5 tiers 25, 30 35 to 40 in. high, the same in width $1.50, $1.75, $2.00, $2.50, $3.00 to $4.00 each. **Robusta Compacta,** the same.

Have just received from steamer, May 1, from Antwerp a big consignment of about 5,000 **Araucaria Excelsa,** of all sizes. Plants with 3 tiers, 8 to 10 in. high, 40c; 10, 12 to 14 in., 50c; larger sizes, 60c to 75c.

All goods must travel at purchaser's risk only. Cash with order, please.

GODFREY ASCHMANN, 1012 W. Ontario St., **Philadelphia**

Importer, Wholesale Grower and Shipper of Pot Plants.

CHRYSANTHEMUMS.

Novelties and all standard kinds ready for immediate Planting or for late delivery.

My special offer on the single varieties: 100 plants in 10 or more varieties for $8.00.

GRAFTED ROSES

Brides, Maids, Richmond, Killarney, $12.00 per. 100. $100.00 per 1000.

CHARLES H. TOTTY, Madison, N. J.

Boston and Piersoni Ferns.

2½-inch	$ 3.00 per 100
3-inch	6.00 per 100
4-inch	10.00 per 100
6-inch	.40 each.

Thomas Salveson, Petersburg, Ill.

PITTSFORD, N. Y.—The second annual exhibition under the auspices of the Floral Society of Pittsford Grange will be held in the town hall August 27-28. There will be 65 classes for flowers and many valuable prizes are announced.

FOR THE TRADE.

	Per 100
Chrysanthemums 20 good com. varieties, 2¼-inch according to variety	$2 00$ 3.00
Cannas 10 good French varieties, moss-rooted	5.00
Vinca, variegated and green, 4-in. 10.00; 3-in.	5.00
Cobeas, 3-inch	5.00
Coleus, about 15 best bedding varieties 3- and 2-inch	$3.00 2.00
Salvias, Ragueneau, St. Louis, Bonfire 3- and 2½-in	$5.00 3.00
Smilax, 3- and 2 in.	$3.00 2.00
Alyssum, 2-in.	2.00
Ageratum, dwarf blue, 2½-in.	3.00
Verbenas 2½- and 2-in. in bloom	$3.00 2.00
German Ivy, 2½-in.	2.50

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West End Greenhouses. Lincoln, Ill.

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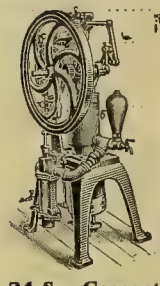

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Cannas. West End Greenhouses, Lincoln, Ill.

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Carnations, Winsor, Helen Gould, Beacon, $6 per 100; $50 per 1,000. White Enchantress, $7 per 100; $60 per 1,000. Melody Victory, $4 per 100. Enchantress, Lady Bountiful, Red Lawson, V. Lawson, W. Lawson, Daheim, $3 per 100; $25 per 1,000. Mrs. Lawson, B. Market, $2 per 100; $15 per 1,000. Wood Bros., Fishkill, N. Y.

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Carnations, Winsor, 2½-in., $6 per 100; $50 per 1,000. White Perfection, R. C., $3 per 100; $25 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

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Carnations. E. G. Hill Co., Richmond, Ind.

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Dusty miller, 2¼-in., $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

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CHRYSANTHEMUMS.

Chrysanthemums, Virginia Poehlmann, Angele Laurent, Golden Dome, Mlle. Jeanne Rosette, Money Maker, 2¼-in., $2 per doz.; $10 per 100. Mrs. Clay Frick, Zimmers Yellow, Mary Mann, 2¼-in., $1 per doz; $6 per 100; R. C., $5 per 100. Pompons, Klondyke, Quinola, choice single vars., Kitty Bourne, Mrs. Roberts, Amorita, 2¼-in., $1 per doz. Standard varieties: Kalb, Polly Rose, Early Snow, Oct. Frost, C. Touset, White Shaw, Robinson, Beatrice May, Merza, Niveus, Queen, Byron, Eureka, Wanamaker, Adelia, Mrs. McArthur, T. Eaton, Chadwick, Merry Christmas, Glory of Pacific, Rosiere, Shaw, Balfour, Duckham, Enguehard, M. F. Plant, Maud Dean, The Harriott, Mayor Weaver, Mrs. J. Marshall, Monrovia, G. Pitcher, Appleton, Bonnaffon, Golden Wedding, H. W. Rieman, Yellow Eaton, Cullingfordi, Merstham Red, Matchless, Mrs. Duckham, Old Gold. Pompons: Baby, Lulu, Briolas, 2¼-in., 5c each; 50c per doz.; $3 per 100; $25 per 1,000; R. C., $2 per 100; $15 per 1,000. Smiths novelties for 1908: Golden Glow, Pacific Supreme, White Cloud, 2¼-in., $5 per doz. A. N. Pierson, Cromwell, Conn.

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	R. C. per 100	R. C. per 1000	2½-in. per 100	2½-in. per 1000
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Earliest White, Oct. Frost.....	$ 3.00	$25.00	$ 4.00	$ 35.00
Virginia Poehlmann	10.00	80.00	12.00	100.00
Kalb	2.00	18.00	3.00	25.00
Robinson	2.00	18.00	3.00	25.00
C. Touset	2.00	18.00	3.00	25.00
Alice Byron	2.00	18.00	3.00	25.00
White Bonnaffon..	2.00	18.00	3.00	25.00
Timothy Eaton ...	2.00	18.00	3.00	25.00
W. H. Chadwick..	2.00	18.00	3.00	25.00
Jeannie Nonin ...	2.00	18.00	3.00	25.00
Merry Christmas.	2.00	18.00	3.00	25.00
Garza, single pompon	3.00	....	4.00	....
YELLOW				
Monrovia, earliest.	3.00	25.00	4.00	35.00
Halliday	2.00	18.00	3.00	25.00
Col. Appleton ...	2.00	18.00	3.00	25.00
M. Bonnaffon.....	2.00	18.00	3.00	25.00
Chatauqua Gold...	2.00	18.00	3.00	25.00
Yel. Eaton	2.00	18.00	3.00	25.00
Golden Chadwick..	2.00	18.00	3.00	25.00
Golden Wedding ..	2.00	18.00	3.00	25.00
PINK				
Rosiere	2.00	18.00	3.00	25.00
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Dr. Enguehard ..	2.00	18.00	3.00	25.00
Maud Dean	2.00	18.00	3.00	25.00
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Intensity	2.00	18.00	3.00	25.00
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All stock plants grown on top of benches to procure the best results. Cuttings far superior to most of them offered. Satisfaction guaranteed. Cash with order.

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Strong, healthy, well rooted cuttings of Brutus, Roserie, Geo. S. Kalb, G. of Pacific, Cobbold, Halliday, Duckham (pink, Nellie Pockett, Appleton, Parr, Ben Wells, White and Pink Ivory, A. J. Balfour, Jeannie Nonin, White and Yellow Bonnaffon, Roi de Italie, P. Plumridge, Minnie Bailey, W. B. Chamberlain, John K. Shaw, Edgar Saunders, Dr. Enguehard, Mrs. Weeks, Merza, Robinson, Willowbrook, C. Touset, Gen. Maceo, $1.50 per 100; 2-in. plants $2 per 100. October Frost, White and Golden Chadwick, White and Yellow Jones, White and Yellow Eaton, cuttings, $2 per 100; pot plants, $2.50 per 100. Golden Dome, $1 per doz.; $8 per 100. James Hamilton, Mt. Washington, Maryland.

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Beatrice May only $2.50. Oct. Frost, Touset, Adelia, Nonin, Enguehard, Shaw, Monrovia, strong stock, sure to please, $2.50 per 100; cuttings, $1.50. Not more than 25 per cent B. May in any order at above rates. W. J. Olds, Union City, Pa.

Chrysanthemums, W. H. Chadwick, Golden Chadwick, $2 per 100. White Bonnaffon, Oct. Frost, Estelle, C. Touset, Ivory, Kalb, J. Nonin, Bonnaffon, Oct. Sunshine, Golden Wedding, Monrovia, Dr. Enguehard, Glory of Pacific, $1.50 per 100. A. F. Longren, Des-Plaines, Ill.

Chrysanthemums, novelties and standard kinds. Special offer on single vars., 100 plants, 10 or more vars., $8. Chas. H. Totty, Madison, N. J.

Chrysanthemums, Halliday, Willowbrook, Kalb, 3 vars. of pink, 8 of yellow, 10 of white, R. C., $1.50 per 100; 2½-in., $2.50 per 100. Geo. A. Kuhl, Pekin, Ill.

Hardy chrysanthemums, mixed varieties, 2¼-in., $2.25 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Chrysanthemums for every purpose. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, 20 good vars., 2½-in., $2.50 per 100. West End Greenhouses, Lincoln, Ill.

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Clematis Jackmanni, pot-grown, 2-yr., $20 per 100; Henryii, 2-yr., $20; Gipsy Queen, 2-yr., $25; field grown, 3-yr., $25; Ville de Lyon, pot-grown, $20; 3-yr., field-grown, $25; Beauty of Worchester, 2-yr., pot-grown, $30; Montana Rubens, $1 each. Vaughan's Seed Store, Chicago and New York.

Clematis, large flowering vars., 2-yr., red, purple, white, $3 per doz.; paniculata, 4-in., $1.50 per doz.; $10 per 100; 3-in., $5 per 100. C. Eisele, 11th and Westmoreland Sts., Phila.

Clematis, true Jackmani, 6-in., 3 ft., 35c to 40c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

COBEAS.

Cobeas, 3-in., $5 per 100. West End Greenhouses, Lincoln, Ill.

Cobea scandens, 4-in., 10c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

COLEUS.

Coleus, Verschaffeltii, Golden Queen, Fire Brand, Lord Palmerston, Queen Victoria, Beckwith's Gem. R. C., 60c per 100; $5 per 1,000. Golden Bedder, Hero, Messey, Pearl of Orange, 75c per 100; $6 per 1,000. Fancy vars., 12 kinds, 75c per 100; $6 per 1,000. A. N. Pierson, Cromwell, Conn.

Coleus, Queen Victoria, Golden Bedder, Verschaffeltii, 2½-in., $3 per 100; fancy vars., $4, G. Aschmann, 1012 W. Ontario St., Phila.

Coleus, Verschaffeltii, Golden Bedder, etc., $2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Coleus, 10 varieties, 2¼-in., $2 per 100. Jos. H. Cunningham, Delaware, O.

Coleus, 3-in., $5 per 100. West End Greenhouses, Lincoln, Ill.

Coleus, 2-in., 12 vars., bedding and fancy, $2 per 100. W. W. Coles, Kokomo, Ind.

Coleus, red and yellow, R. C., 2-in. and mixed. Geo. A. Kuhl, Pekin, Ill.

Coleus, asst., R. C., 75c per 100; 2¼-in., $2.50. W. J. & M. S. Vesey, Fort Wayne, Ind.

Coleus, 12 vars., strong 2-in., $1.50 per 100; $14 per 1,000; 3-in., $2.50 per 100. Wm. S. Herzog, Morris Plains, N. J.

Coleus, 2½-in., $2 per 100; $18 per 1,000; 5,000 for $75. C. Humfeld, Clay Center, Kans.

Coleus, 6 good varieties, 2½-in., $2 per 100. The Krueger Bros. Co., Toledo, O.

Coleus, 2-in., 2c. Byer Bros., Chamberb'g, Pa.

Coleus. Geo. M. Emmans, Newton, N. J.

Coleus. J. L. Dillon, Bloomsburg, Pa.

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Crotons, 4-in., $25 per 100; 5-in., $50 per 100; 6-in., $75 per 100. Robt. Craig Co., 49th and Market Sts., Philadelphia.

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Cupheas, 2 kinds, R. C., 75c. Byer Bros., Chambersburg, Pa.

Cupheas, 2½-in., $3 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

CYCLAMENS.

Cyclamen, 2½-in., $5; 3-in., $7; 4-in., $15; 5-in., $20 per 100. S. S. Skidelsky, 1741 N. 18th St., Philadelphia.

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Dahlias, cactus: Mrs. A. Beck, Chas. Woodbridge, Miss A. Nightingale, F. Bartels, $1 per doz. Kriemhilde, Countess of Lonsdale, $1.50 per doz. Decorative: Zula, Oban, Iridescent, Mrs. Geo. Reed, $1 per doz. C. W. Bruton, Sylvia, $1.50 per doz. Show dahlias: A. D. Livoni, $1.50 per doz. Cameliflora, $1 per doz. Single: J. Cowan, John Downie, $1.50 per doz. Sunningdale, $1 per doz. Mixed colors: All colors, 75c doz. Mixed yollow, 75c per doz. Geo. Wittbold, 1657 Buckingham Pl., Chicago.

Dahlias, 2½-in., $2 per 100, such sorts as C. W. Bruton, Mrs. Winters, Fire Rain, Frank Smith, Mrs. Roosevelt, Kriemhilde, Countess of Lonsdale, Mme. Van der Dael. Memphis Floral Co., Memphis, Tenn.

Dahlias, standard, double valuable sorts, $3 and $4 per 100. New and fancy sorts, $8 to $12 per 100; few good standard sorts, $2 per 100. Ferndale Nurseries, Harlan, Iowa.

Dahlias, novelties and standard varieties, true to name. A choice list of the best introductions. Send for catalogue of dahlias, hollyhocks, hardy plants. W. W. Wilmore, Box 382, Denver, Colo.

Dahlia roots, field clumps, $5 per 100 up. Plants, 2-in., $2 per 100 up; 1,000, 20 vars., our selection, $18.50. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Dahlias, named vars., dry roots, $3 per 100; $25 per 1,000. Elizabeth Nursery Co., Elizabeth, N. J.

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Dahlias, leading varieties. David Herbert & Sons, Atco, N. J.

Dahlias, all leading sorts. James Vick's Sons, Rochester, N. Y.

Dahlias, white, 3-in., $8 per 100. Harry Heinl, W. Toledo, O.

DAISIES.

Daisies, Shasta, Alaska and Burbank, seedlings and transplanted, $1.50 per 100; undivided field clumps, $5 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Daisy Queen Alexandra, well flowered, 6 and 7-in., $6 to $9 per doz. Robt. Craig Co., 49th and Market Sts., Philadelphia.

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Bellis daisies, full bloom, $1 per 100. Theo. G. Browne, 6948 Magnolia Ave., St. Louis, Mo.

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Dracæna indivisa, 6-in., 50c each; 7-in., 75c to $1. Frank Oechslin, 2570 W. Adams St., Chicago.

Dracænas, fine 3-in., $5; 4-in., $10; very nice stock. W. H. Gullett & Sons, Lincoln, Ill.

Dracæna terminalis, fine colored, 4-in., $2 per doz.; 3-in., $1 per doz. The Krueger Bros. Co., Toledo, O.

Dracæna, indivisa, 4-in., $2 per doz.; 5-in., $3 per doz. Strong plants. C. C. Pollworth, Co., Milwaukee, Wis.

Dracæna indivisa, 2-in., $3 per 100; 3-in., $5. Geo. M. Emmans, Newton, N. J.

Dracæna indivisa, 2¼-in., $2; 3-in., $5 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

UONYMUS.

Euonymous, Jap., green and variegated, 12 ins. high, $6 per 100. Wagner Park Conservatories, Sidney, O.

FERNS.

Ferns, Elegantissima, 2¼-in., $6 per 100; 3½-in., $15 per 100; 6-in., 50c each; 8-in., $1 and $1.50 each; 10-in., $2 each. Whitmani, 2¼-in., $6 per 100; 3½-in., $15 per 100; 6-in., 50c and 75c each; 8-in., $1.50 each; 10-in., $2 each. Scotti, 6-in., 50c each. Boston, 2¼-in., $4 per 100; 6-in., 50c each; 8-in., $1 each. Small ferns for pans, $4 per 100; $30 per 1,000. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston, 3-in., $1 per doz; $7 per 100; 4-in., $1.50 per doz.; $10 per 100; 5-in., $4 per doz.; $25 per 100. Whitmani, 3-in., $1 per doz.; $7 per 100; 4-in., $1.50 per doz.; $10 per 100. Muskogee Carnation Co., Muskogee, Okla.

Ferns, Boston, 2-in., 3c; 2½-in., 4c; 3-in., 6c; 4-in., 10c. Chatogue Greenhouses, Mobile, Ala.

Ferns, Whitmani, 2¼-in., $5 per 100; 3½-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Son, Whitman, Mass.

Ferns, small assorted, 2-in., pots, $3 per 100. Scottii, 5-in., $2 per doz. Wagner Park Conservatories, Sidney, O.

Ferns for dishes, assorted vars., 2-in., $3 per 100; $25 per 1,000. Frank Oechslin, 2570 W. Adams St., Chicago.

Ferns, Boston, 3 and 4-in., $6 and $12 per 100. Elegantissima and Piersoni, 2¼-in., 3c. W. W. Coles, Kokomo, Ind.

Ferns, Boston, 5-in., 30c each. Geo. M. Emmans, Newton, N. J.

FEVERFEW.

Feverfew, 2¼-in., $2.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Feverfew, young plants, 75c per 100. Byer Bros., Chambersburg, Pa.

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Ficus elastica, per doz., $2. R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Fuchsias, Black Prince and Minnesota, $2 per 100. Lieut. Muritz, white and rose Phenomenal, $2.50. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Fuchsias, in bud and bloom, 3-in., $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Fuchsias, 5 kinds, 2-in., $1.50 per 100. Shippensburg (Pa.) Floral Co.

Fuchsias, 4-in., $10 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

GAILLARDIAS.

Gaillardias, 3-in., $4 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

GERANIUMS.

Geraniums, 2-in. pots, Centaure, Dbl. Gen. Grant, El Cid, Miss Kendell, Nutt, Granville, Jacquerie, Mrs. E. G. Hill, etc., $2 per 100; $18.50 per 1,000. A. Ricard, B. de Presilly, Jean de la Brete, Alice of Vincennes, etc., $3 per 100; $25 per 1,000. Dbl. Dryden, E. H. Trego, Henderson, Telegraph, $4 per 100; $35 per 1,000. Eugene Sue, Mrs. Lawrence, Paul Campbell, Minstrel, Jean Oberlee, Col. Thomas, $6 per 100; $50 per 1,000. Rose, Nutmeg, Oak Leaved and Balm, $2 per 100. S. A. Nutt, Dbl. Grant, La Pilote, Granville, etc., 3-in., $3.50 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

100,000 GERANIUMS ready for delivery at special April prices. S. A. Nutt (in quantity), Beaute Poitevine, Jean Viaud, Francis Perkins, Peter Henderson, Mme. Buchner. Large top cuttings, well rooted, ready for 2½-in. pots., $1.50 per 100; $12.50 per 1,000. The above named varieties in our Special Bench size; these are fine plants, 10 to 15 ins. high, 6 to 10 shoots, in bud and bloom; can't be beat for bedding, packed light, $5 per 100; $50 per 1,000. 20,000 S. A. Nutt from 2½-in., pots, $2 per 100; $18 per 1,000. Cash.

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Springfield, Ill.

Geraniums, splendid 4-in. plants, Ricard, Viaud, Heteranthe, Perkins, etc., $7. Special stock for May 30. Extra fancy 5-in. in full bloom, $2.25 per doz.; will retail for 50c. Fancy 4-in., $1.25 per doz. W. H. Gullett & Sons, Lincoln, Ill.

Geraniums, in bud and bloom, Nutt, Dbl. Grant, Buchner, Poitevine, Castellane, Rose, etc., 3½ and 4-in., $5 per 100; $45 per 1,000; 3-in., $3.50 per 100. Wm. S. Herzog, Morris Plains, N. J.

Geraniums, Jean Viaud, Heteranthe, A. H. Trego, M. de Castellane, Granville (pink single), in bud, 3-in., strong and bushy, $5 per 100; $40 per 1,000. Memphis Floral Co., Memphis, Tenn.

Geraniums, in bud and bloom, Nutt, Viaud, Ricard, M. Cheveliere, M. Jaulin, Dryden, Perkins, Hill, 2¼-in., $3; 3-in., $5; 4-in., $8; 5-in., $25 per 100. W. J. & M. S. Vesey, Fort Wayne, Ind.

Geraniums, Nutt, Doyle, Perkins, Ricard, Grant, La Favorite, R. C., $1.25; 2-in., $2; 3-in., $4 per 100. Trego, Viaud, Castellane, Poitevine, Jaulin, R. C., $1.50; 2-in., $2.50; 3-in., $5 per 100. Geo. Emmans, Newton, N. J.

Geraniums, ivy, in variety, 2¼-in., $3; 3-in., $6 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Geraniums, leading varieties, extra strong 2½-in., $2.50 per 100; 4-in., strong, $7 per 100. E. R. Tauch, Marquette, Mich.

Geraniums, 3½-in., 5c; Nutt, Winch, La Favorite, Bliss, Wonder, George. Hammerschmidt & Clark, Medina, O.

Geraniums, standard varieties, 2¼-in., $2.50 per 100; also Mme. Salleroi, $2.50. Mosbæk Greenhouse Co., Onarga, Ill.

Geraniums, Nutt and 4 other vars., 3½-in., $4 per 100; 2½-in., $3. Jos. H. Cunningham, Delaware, O.

Geraniums, S. A. Nutt, La Favorite, well grown plants, 4-in. pots, in bud and bloom, $6 per 100. Wm. F. Borman, Marietta, O.

Geraniums, S. A. Nutt, John Doyle, etc., 4-in., $7 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Geraniums, Nutt, Perkins, Poitevine, Castellane, Ricard, $10 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, S. A. Nutt, well grown plants, 4-in. pots, in bud and bloom, $7 per 100. Wm. F. Borman, Marietta, O.

Geraniums, Mme. Salleroi, 2¼-in., $2.50 per 100. Harry Heinl, W. Toledo, O.

Geraniums, ivy, 2-in., 2½c. Byer Bros., Chambersburg, Pa.

Geraniums. C. H. Frey, 1133 O St., Lincoln, Neb.

Geraniums, 2½, 3 and 4-in., all colors. Geo. A. Kuhl, Pekin, Ill.

Geraniums, S. A. Nutt, bud and bloom, $7 per 100; 3½-in. Stephen Chase, Nashua, N. H.

Geraniums. James Vick's Sons, Rochester, N.Y.

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Gladiolus, Hyacinthus candicans, spotted callas, oxalis, cinnamon vine, German Iris, lilies. E. S. Miller, Wading River, N. Y.

Gladiolus America, $6.50 per 100; $60 per 1,000. Write for prices on other stock. Cushman Gladiolus Co., Sylvania, O.

Gladiolus bulbs, $1 per 100. Geo. M. Emmans, Newton, N. J.

Gladiolus Lemoinei and Nanceianus. V. Lemoine & Son, Nancy, France.

GLOXINIAS.

Gloxinias. L. Van Houtte, Pere, Ghent, Belgium.

GREENS.

Greens, dagger and fancy ferns, $1.75 per 1,000. Bronze and green galax, $1.25 per 1,000. Leucothoe sprays, $1 per 100; $7.50 per 1,000. Sphagnum moss, per bale, $1.25. Boxwood bunches, 35c; 50 lbs., $7.50. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit.

Greens, bronze galax, $8.50 per case of 10,000; green, $7.50. Dagger and fancy ferns, $1.50 per 1,000. Laurel festooning, boxwood, southern wild smilax, sphagnum moss and green moss, leucothoe sprays, etc. H. M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, cut palmetto and cycas leaves, galax leucothoe, ferns, mosses, etc. Kervan Co., 113 W. 28th St., New York.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 53 W. 28th St., New York.

Greens, smilax, ferns, palm leaves, etc., John P. Scherer, Union Hill, N. J.

Greens, southern wild smilax. E. A. Beaven, Evergreen, Ala.

HARDY PERENNIALS.

Perennials, last fall sowing from cold frames: Hollyhocks, dbl., white, pink and red; Aquilegia canadensis and N. grandiflora; Gaillardia grandiflora superba; Myosotis semperflorens; Delphinium Chinensis, also alba; Digitalis Glox. Shasta daisy, pansies, daisy or bellis, $2 per 100. Perennials in pots; Coreopsis lanceolata, 5-in., 10c; campanula in variety, 5-in., 12c; 6-in., 15c; 6-in., bud and bloom, 35c. Sweet william, 5-in., 12c. Lychinis Chal., 3½-in., 5c. Ampelopsis Veitchii, 2-in., $2.50 per 100. Dianthus, sweet william, 5-in., $10 per 100. Coreopsis lanceolata, 5-in., $8 per 100. Campanula, asst., 6-in., $12 per 100. Clumps from field, 12c per clump except where specified: Iris Germanica, all colors under name, 10c; Kæmpferi, blue, tall, 10c; bachelor's buttons, yellow, 2 feet, 10c; campanula, asst.; Chrysanthemum uliginosum, 3 ft.; Chrysanthemum Shasta daisy; Coreopsis lanceolata; day lily, 5 feet; gaillardia; Golden Glow, 8c; Lychnis Chalcedonica, delphinium or larkspur; phlox, all colors, named; pentstemons, asst.; Polemonium cœruleum; Physostegia speciosa; grand mixed; Yucca filamentosa, 25c. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Hardy perennial phlox: Aquillon, Andreas Hoffer, Bouquet Fleuri, Bridesmaid, Beranger, Bacchante, Clara Benz, Champs Elysee, Eclaireur, Eugene Dauzanvillier, Esclarmonde, Graf von Ungerer, H. O. Wijers, Henry Murger, Inspector Peiker, Jeanne d'Arc, La Vague, Otto Thalacker, Obergartner Wittig, Pantheon, Pecheur d'Islande, Pacha, Professor Schlieman, Papillon, R. P. Struthers, Sunshine, Thebaide, Von Goethe, price choice standard varieties, 1-yr., field-grown, 75c per doz.; $5 per 100; $40 per 1,000. New and rare hardy phloxes: Albion, B. Compte, Coquilicot, Etna, Hermine, Inspector Elpel, Le Mahdi, Michael Cervantes, Vesuvius, $6 per 100; $50 per 1,000. F. G. von Lassburg, Jules Cambon, Mrs. Jenkins, Selma, $10 per 100; $90 per 1,000. Japanese anemones: Japonica: rosy red, alba, pure white, Queen Charlotte, rosea superba, Whirlwind, 85c per doz.; $6 per 100; $50 per 1,000. Elegantissima, Lord Ardilaun, Prince Henry, $1.25 per doz.; $8 per 100; $70 per 1,000. Japanese iris: Kæmperferi, named vars., strong roots, $1.50 per doz.; $10 per 100; $75 per 1,000; choice mixed, 85c per doz.; $6 per 100; $50 per 1,000. Tritoma Pfitzeri, strong roots, $1 per doz.; $7 per 100; $60 per 1,000. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Hardy plants. Get our prices for field-grown stock. We have one of the finest assortments of undivided clumps, also in seedlings and transplanted. Ask for descriptive list. Mosbæk Greenhouse Co., Onarga, Ill.

Hardy phlox, fall cuttings, $2; 2¼-in., $2.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Phlox Drummondi, 2½ to 3-in., grandi., vars., $3 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Hardy phlox, Andreas Hoffer, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

HELIOTROPES.

Heliotrope, 3-in., $3 per 100. Wm. S. Herzog, Morris Plains, N. J.

Heliotrope, four of the best, 2¼-in., $2.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Heliotrope, 4-in., $7 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Heliotrope, R. C., 75c per 100; $6 per 1,000. A. N. Pierson, Cromwell, Conn.

Heliotrope. Geo. M. Emmans, Newton, N. J.

HOLLYHOCKS.

Hollyhocks, double in six separate colors. Also the Allegheny or Everblooming strain in mixed colors, field-grown plants, $3 per 100 for either strain. Dahlias and hardy plants. Catalogue. W. W. Wilmore, Box 382 Denver, Colo.

Hollyhocks, 3-in., double, white, pink, red, yellow, $3 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Hollyhocks, single, field-grown, $2.50 per 100. Byer Bros., Chambersburg, Pa.

Hollyhocks, double, separate colors, $2.25 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

HONEYSUCKLES.

Honeysuckles, Belgica, 3-yr., $25 per 100. Heckrotti, 3-yr., $25 per 100. Scarlet Trumpet, 2-yr., $12 per 100. Vaughan's Seed Store, Chicago and New York.

Honeysuckles, Halliana and Red Trumpet, $1.50 per doz.; $10 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

HYDRANGEAS.

Hydrangeas. American everblooming. Fine plants from pots for lining out, $8 per 100; $75 per 1,000. The E. Y. Teas Co., Centerville, Ind.

Hydrangeas, 3-in., $10 per 100; 6 and 7-in., 50c, 75c and $1 each. Geo. A. Kuhl, Pekin, Ill.

Hydrangeas, 25c to $4 each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Hydrangea Snowball, 3-yr., $5 per doz. Vaughan's Seed Store, Chicago and New York.

Hydrangeas, 5-in., in bloom, $35 per 100. C. H. Frey, 1133 O St., Lincoln, Neb.

Hydrangeas. W. & T. Smith Co., Geneva, N. Y.

IVIES.

Ivy, English or hardy, 3 ft. high, 4-in., 12c; German or parlor, 2½-in., $3 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Ivy, English, 4-in., $1.50 per doz.; $10 per 100; 3-in., $5 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

English ivy, hardy, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Ivy, German, 2½-in., $2.50 per 100. West End Greenhouses, Lincoln, Ill.

Ivy, German, 2¼-in., $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Ivy, German, 3-in., $2.50 per 100. Wm. S. Herzog, Morris Plains, N. J.

Ivy, German, 2¼-in., 2c. Hammerschmidt & Clark, Medina, O.

English ivy, 2½-in. pots, $5 per 100. Wagner Park Conservatories, Sidney, O.

JASMINES.

Grandiflora cape jasmine, class A, stems 12 to 18 ins., $1.10 per 100; $10 per 1,000; class B, 6 to 12 ins., 85c per 100; $7.50 per 1,000; 500 at 1,000 rate; 3,000 or more, class A, $9 per 1,000; class B, $6.50 per 1,000. Cook & Cook, Alvin, Texas.

LILACS.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig Saxony, Germany.

From Storage.

Lily of the valley, for forcing, $11 per 1,000. W. C. Beckert, Pittsburg, N. S., Pa.

Lily of the valley, pips, cold storage. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley, cold storage pips, $14 per 1,000; $1.75 per 100. H. N. Bruns, 1407-11 W. Madison St., Chicago.

LOBELIAS.

Lobelias, Crystal Palace Gem, $2 per 100; Kathleen Mallard, 2-in., $3 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Lobelia, dwarf or trailing, 2½-in., Crystal Palace. $3 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Lobelias, trailing and compacta, bud and bloom, $1.50 per 100; $14 per 1,000. Wm. S. Herzog, Morris Plains, N. J.

Lobelias, trailing and compacta, 2¼-in., $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

MOSS.

Sphagnum moss, 5 barrel bale, $1.25; 2 bales, $2.25; 5 bales, $5; 10 bales, $9.50. H. R. Akers, Chatsworth, N. J.

Sphagnum moss in burlap or wired bales. Write for prices. Vaughan's Seed Store, Chicago and New York.

MUSHROOM SPAWN.

Mushroom Spawn. Johnson's improved. Johnson's, Ltd., 44 Bedford Row, London, W. C., Eng.

Mushroom spawn. English and pure culture. Weeber & Don, 114 Chambers St., New York.

Mushroom spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock, trees and shrubs, price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, large trees, oaks, maples, pines and hemlock. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, arbor vitæ (Thuya occidentalis) 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, fruit and shade trees, shrubs, evergreens. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. Storrs & Harrison, Painesville, O.

ORANGES.

Oranges, Kinkan. P. J. Berckmans Co., Augusta, Ga.

ORCHIDS.

Orchids, C. Trianæ, C. labiata, C. Schroederæ, C. gigas Sanderiana, C. Harrisoniæ, C. citrina, Lælia anceps, Oncidium varicosum Rogersii, O. ornithorhynchum, O. tigrinum, Odontoglossum Insleayi, O. Rossii majus, also orchid peat, sphagnum moss, baskets, etc. Carrillo & Baldwin, Secaucus, N. J.

Orchids in superb condition. Cattleya Mossiæ, C. Schroederæ, Lælia anceps, Epidendrum vitellinum, etc. Lager & Hurrell, Summit, N. J.

Orchids, C. Trianæ, C. Percivaliana, C. speciosissima, C. Gaskelliana, Oncidium Kramerianum. Ordonez Bros., Madison, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England. New York office, room 1, 235 Broadway.

Orchids, choice assorted flowering, established, $12 per doz. Wm. Mathews, West View Greenhouses, Utica, N. Y.

Orchids, Lælia purpurata, Cattleya intermedia, C. Mossiæ. Julius Roehrs, Rutherford, N. J.

PALMS.

Palms, home-grown. Areca lutescens, 6-in., 3 plants, 24 to 26 ins., $1 each; $12 per doz.; 7-in., 3 plts., 30 to 32 ins., $2 each; $24 per doz.; 8-in., 3 plts., 36 to 40 ins., $3 each; $36 per doz. Cocos Wedd., 2½-in., 8 to 10 ins., 10c each; 10 to 12 ins., 15c each. Kentia Bel., 6-in., 6 to 7 leaves, 22 to 24 ins., $1 each; $12 per doz.; 6-in., 6 to 7 lvs., 24 to 26 ins., $1.25 each; $18 per doz.; 6-in., 6 to 7 lvs., 26 to 28 ins., $1.50 each; $18 per doz.; 6-in., 6 to 7 lvs., 30 to 36 ins., $2 each; $24 per doz.; 7-in., 6 to 7 lvs., 32 to 34 ins., $2.50 each; $30 per doz.; 9-in. tub, 6 to 7 lvs., 42 to 48 ins., $5 each; $60 per doz. Kentia Fors., 9-in., tub, 4 plants, 4 ft., $6 each. Joseph Heacock, Wyncote, Pa.

Palms, Kentia Bel., 5-in., $7.20 per doz.; 5-in., strong, $9; 6-in., $12; 6-in., strong, $15; Forsteriana, 5-in., $7.20 per doz.; 5-in., strong, $9; 6-in., $12; 6-in., strong, $15. Cycas revoluta, 4-in., 25c each; 5-in., 35c; 6-in., 50c; 7-in., 75c to $1; 8-in., $1.25 to $1.50. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Palms, Kentia Bel., 5¼-in., 20 to 25 ins., 40c to 50c; 4-in., 20 ins., 35c; Bel., and Fors., 6-in., $1 each. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Kentia Fors., made-up plants, 8-in., 3 to 4 ft., $2 each; 10-in., 4 to 5 ft., $4; 10-in., 5 to 6 ft., $6; 12-in., 5 to 12 ft., $8. J. B. Heiss, 112 S. Main St., Dayton, O.

Palms, Cycas revoluta stems, 25 lbs., $2; 100 lbs., $7. Moore & Simon, 339 Market St., Philadelphia.

Palms. P. J. Berckmans Co., Augusta, Ga.

Palms. L. Van Houtte, Pere, Ghent, Belgium.

PANSIES.

FULL OF LIFE PANSY PLANTS. Transplanted, $1 per 100; $8.50 per 1,000. Seedlings, 50c per 100; $3 per 1,000. H. W. Buckbee, Rockford, Ill.

Pansies, bud and bloom, $1.90 per 100; $17 per 1,000. W. J. & M. S. Vesey, Ft. Wayne, Ind.

Cannas, $8 per 100. W. J. & M. S. Vesey, Ft. Wayne, Ind.

Pansies, fall transplanted, in bud and bloom, $1.25 per 100; $10 per 1,000. Leonard Cousins, Jr., Concord Junction, Mass.

Pansies, from cold frame, strong, in bud, 2nd size, 75c per 100. F. A. Baller, Bloomington, Ill.

Pansies, in bud, $3 per 1,000. Byer Bros., Chambersburg, Pa.

PELARGONIUMS.

Pelargoniums, 3-in., $1.50 per doz.; $6 per 100. R. Vincent, Jr. & Sons, White Marsh, Md.

PEONIES.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Wholesale peony list for fall 1908 is now ready. J. F. Rosenfield, West Point, Neb.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies, leading vars. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunias, seedlings from dbl. seed, 2½-in., $2.50 per 100. Jos. H. Cunningham, Delaware, O.

Petunias, California giant, 3-in., $5 per 100. Inimitable, 2½-in., $3. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Petunias, Dreer's single fringed, in bloom, 3-in., $2.50 per 100. Wm. S. Herzog, Morris Plains, N. J.

Petunias, double fringed in bud and bloom, 2½-in., ready for 4-in., $2.50 per 100. The Krueger Bros. Co., Toledo, O.

Petunias, dbl., 10 kinds. R. C., $1. Byer Bros., Chambersburg, Pa.

The American Florist invites attention to the class of business firms in its adv. columns.

POINSETTIAS.

Poinsettias, 2½-in., $5 per 100; $45 per 1,000. S. S. Skidelsky, 1741 N. 18th St., Philadelphia.

PRIMULAS.

Primroses, 8 vars., $2 per 100. Jos. H. Cunningham, Delaware, O.

RHODODENDRONS.

Rhododendrons. W. & T. Smith, Geneva, N. Y.

Rhododendrons. Jacs Smits, Naarden, Holland.

ROSES.

Roses, grafted, Mrs. Jardine, Rhea Reid, Queen Beatrice, $6 per doz.; 50 for $18; $35 per 100. My Maryland, 50c each; $5 per doz.; $35 per 100; own root, 2½-in., $25 per 100; $2 per 10; 3-in., $15 per doz. Standard vars.: Aurora, Betty, Bon Silene, Bride, Maid, Enchanter, Etoile de France, Franz Deegen, Gen. MacArthur, G. Gate, Hermosa, Ivory, Kaiserin, Kate Moulton, Killarney, La Detroit, M. Cochet, M. Niel, Mme. Chatenay, Mme. Hoste, Mrs. Morgan, Gontier, Rosalind Orr English, Richmond, Carnot, Wootton, Uncle John, Wellesley, White Cochet, grafted, 2¼-in., 20c each; $2 per doz.; $15 per 100; $120 per 1,000. Own root roses, 2½-in., Kaiserin, Killarney, Bride, Bridesmaid, Ivory, G. Gate, Uncle John, Richmond, Chatenay, Aurora, $1 per doz.; $6 per 100; $50 per 1,000; 2-in., $3.50 per 100; $30 per 1,000. A. N. Pierson, Cromwell, Conn.

Roses, Tausendschon, Lady Gay and Anny Muller, 1½-in., $5; 3-in., $10. Ideal, Wellesley, MacArthur, P. Neyron, Vick's Caprice, D. of Edinburgh, G. de Brussels, M. Plantier, C. Lefebvre, M. Neil, Mrs. DeGraw, 2-in., $2.50 per 100. Golden Gate, H. Gould, Deegan, F. E. Willard, Kaiserin, Richmond, V. Folkstone, C. hybrid, Gen. Jacq., J. Margotten, M. of Lorne, Jubilee, L. H. Stuart, La Reine, Brunner, M. P. Wilder, P. C. de Rohan, L. Van Houtte, M. Charta, Apricot, Aurora, White Cochet, R. M. Henriette, L. Battersea, Safrano, 3-in., $6 per 100. D. de Brabant, Bride, Maid Ivory, P. des Jardins, Enchantress, F. Robertson, Wellesley, S. de P. Notting, Killarney, Manda's Triumph, Pink Rambler, Yellow Rambler, Phila. Rambler, Prairie Queen, Seven Sisters, Baltimore Belle, C. Brunner, Debutante, Lily Ito, Queen Alexandria, Mme. Driout, 4-in., $8 per 100. Wagner Park Conservatories, Sidney, O.

Roses, $2.50 per 100; $25 per 1,000; Baby Rambler, C. Soupert, D. Perkins, Mme. A. Chatenay, C. Rambler; $2.75 per 100; $27.50 per 1,000: Hermosa, Maman Cochet, Malmaison, Etoile de Lyon, Helen Gould, Lady Gay, M. Niel, Notting, Meteor, White Maman, Albany, La France; $3 per 100; $30 per 1,000; Mme. C. Wood, P. C. de Rohan, Mme. Plantier, Gen. Jacq.; Black Prince, Mme. Masson, Richmond, Kaiserin, Paul Neyron, $3.50 per 100; $35 per 1,000; Capt. Christy, Magna Charta, Etoile de France, Gen. McArthur, Mrs. J. Laing, Helen Good, Killarney, $5 per 100. J. B. Clark, Druschki, $8 per 100. C. M. Niuffer, Springfield, O.

Roses, dormant, 2-year-old, No. 1 stock: Am. Beauty, $10 per 100. Frau K. Druschki, Soliel d'Or, Paul Neyron, $15 per 100. Magna Charta, Mme. G. Luizet, Perle des Blanches, $11 per 100. Mrs. Sharman Crawford, $15 per 100. Mrs. Plantier, Memorial roses, 5 kinds, $10 per 100. Rugosa, red and white; moss white, pink and red, budded, $12 per 100. Prairie Queen, Baltimore Belle, $10 per 100. Standard Baby Rambler, 4 ft., half standard Baby Ramblers, 3 ft., $50 per 100. Standard Dorothy Perkins, 8 to 10 ft., $1.50 each. Standard Crimson Rambler, 8 to 10 ft., $1.50 each. Vaughan's Seed Store, Chicago and N. Y.

Roses, grafted, Chatenay, Killarney, Richmond, Liberty, La France, 3½-in., $18 per 100; Bride, Maid, Golden Gate, Kaiserin, 3½-in., $15 per 100; own root roses: Bride, Maid, Killarney, Richmond, Chatenay, 3-in., $7 and $9 per 100. J. L. Dillon, Bloomsburg, Pa.

If you do not find what you need in our Ready Reference Department, write us about it.

Roses, Mrs. Potter Palmer, 2½-in., $15 per 100; $125 per 1,000; 2,000 or more, $115 per 1,000; 3½-in., $18 per 100; $150 per 1,000. Cardinal, 2½-in., $6 per 100; $55 per 1,000; 3½-in., $8 per 100; $75 per 1,000. Maid, Bride, Richmond, Sunrise, Uncle John, 2½-in., $4.50 per 100; $40 per 1,000; 3½-in., Maid, Bride, Richmond, Kaiserin, ready May 20, $6.50 per 100; $60 per 1,000. Benched Beauties, cut back, $6.50 per 100; $55 per 1,000; teas, $5.50 per 100; $50 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, in pots and outdoor: Prairie Queen, 3 to 5 ft., 15c to 35c each. Crimson Rambler, 2 ft., 15c. Baby Rambler, 3½-in., $6 per 100. Sweet briar, 2 to 3 ft., 10c to 25c each. One lot of hybrid perpetual, 5-in., asst., pot-grown, $15 per 100. Bride, Maid, Chatenay, 3-in., 8c. Baby Rambler, 3-in., 6c. Uncle John and Chatenay, 1-yr., in flower and bud, 6-in., 15c. Hybrid perpetuals, $30 per 100; $4 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

YOUNG ROSE STOCK.

	Per 100	Per 1,000
Kaiserin, 3½-in.	$5.00	$45.00
Kaiserin, 3-in.	4.50	40.00
Kaiserin, 2½-in.	3.50	30.00
Maids, 2½-in.	3.00	25.00
Brides, 2½-in.	3.00	25.00
Richmond, 2½-in.	3.00	25.00
Kate Moulton, 2½-in.	3.00	25.00

WIETOR BROS., 51 Wabash Ave., Chicago.

Roses, 2½-in., Bride, Maid, Uncle John, Ivory, Chatenay, $3 per 100; $25 per 1,000. Sunrise, Perle, $4 per 100; $35 per 1,000. Kate Moulton, Richmond, $5 per 100; $40 per 1,000. Killarney, $4 per 100; $35 per 1,000. Bench plants: Am. Beauty, $6 per 100; $50 per 1,000. Perle and Richmond, $4 per 100; $35 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Roses, Kaiserin, 2½-in., $4.50 per 100; $40 per 1,000. Killarney, 3-in., own root, $7 per 100; Killarney, grafted on manetti, 2½-in., $12 per 100; grafted on briar, 2½-in., $10. Bench plants: Beauty, $6 per 100; $50 per 1,000; Richmond, Maid, Bride, Chatenay, $3 per 100; $25 per 1,000. Bassett & Washburn, 76 Wabash Ave., Chicago.

Roses, grafted Killarney, Richmond, Bride and Maid, $12 per 100; $110 per 1,000. Own roots: Bride, Maid, G. Gate, Ivory, Perle, Killarney, Richmond, $6 per 100; $55 per 1,000; all from 3½-in. P. R. Quinlan, Syracuse, N. Y.

Roses, Baby Rambler, 4-in., 25c; 5-in., 40c. Soupert, 3-in., 15c; 4-in., 20c. Crimson Rambler, 6-in., $1. Dormant Ramblers, crimson, white and yellow, 3-yr., $5 per doz. 1,000 Killarney, fine. Geo. A. Kuhl, Pekin, Ill.

Roses, 1-yr. bench plants: Beauties, $5 per 100; $40 per 1,000. Maid, Chatenay, $2.50 per 100; $20 per 1,000. From 2½-in.: Maid, Richmond, Moulton, $3 per 100; $25 per 1,000. Geo. Reinberg, 35 Randolph St., Chicago.

Roses for forcing, grafted, Bride, Maid, Kaiserin, Killarney, Richmond, Wellesley, $10 per 100; $100 per 1,000. Jackson & Perkins, Newark, N. Y.

ROSES! ROSES! Bride, Maid, Golden Gate, Richmond, 2½-in., $3 per 100; $25 per 1000; 3-in., $5. Fine clean plants. W. H. Gullett & Sons, Lincoln, Ill.

Roses, 3 ft. high. Paul Neyron, Mrs. Laing, Magna Charta, Jacq., 6-in., 35c; Baby Rambler, 5½-in., 35c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Roses, Bride, Maid, Richmond, Chatenay, 2-in. stock, strong plants, $12 per 1,000. Kaiserin Victoria, 2-in., $2 per 100. All plants guaranteed. Gus. Schlegel, Butler, Pa.

American Beauties, rooted cuttings, $3 per 100; $25 per 1,000; 2¼-in., $6 per 100; $50 per 1,000. J. F. Wilcox, Council Bluffs, Iowa.

Roses, grafted and own root, Kaiserin, Carnot, Killarney, Richmond, Liberty, Bride and Bridesmaid. W. H. Elliott, Brighton, Mass.

Roses, American Beauty, bushes; bench plants, $6 per 100; $55 per 1,000. Wietor Bros., 51 Wabash Ave., Chicago.

Roses, Kaiserin, 2½-in., $3.50 per 100. Richmond, Chatenay, Bon Silene, 2½-in., $2.50 per 100. Harry Heinl, W. Toledo, O.

Roses, grafted Bride, Maid, Richmond, Killarney, $12 per 100; $100 per 1,000. Chas. H. Totty, Madison, N. J.

Roses in 2-in. pots, $3 per 100; $25 per 1,000; also in 4, 5, 6 and 7-in. pots. Elizabeth Nursery Co., Elizabeth, N. J.

Roses, Anny Muller, 2½-in., $5 per 100. Lady Gay and Tausendschon, 2½-in., $5 per 100; $40 per 1,000. Vick & Hill, Rochester, N. Y.

Rose Newport Fairy. Julius Roehrs Co., Rutherford, N. J.

Roses a specialty. The Dingee & Conard Co., West Grove, Pa.

Roses, 400 best sorts, 2½ and 4-in. Leedle Floral Co., Springfield, O.

Roses. C. H. Frey, 1133 O St., Lincoln, Neb.

Roses. W. & T. Smith Co., Geneva, N. Y.

Roses. James Vick's Sons, Rochester, N. Y.

SALVIAS.

Salvia Zurich, ever-blooming type absolutely true, 2-in., $1 for 25; $3, 100; $25, 1,000. Rooted cuttings, $1.75, 100; $15, 1,000. J. L. Schiller, 929 Prouty Ave., Toledo, O.

Salvia Zurich, in bud and bloom, 3-in., $4 per 100; 2-in., $2.50 per 100; R. C., $1.25 per 100. The Krueger Bros. Co., Toledo, O.

Salvias, Clara Bedman or Bonfire, 4-in., $10 per 100; 3-in., $7. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Salvia Bonfire and splendens, $1.50 per 100; $14 per 1,000. Wm. S. Herzog, Morris Plains, N. J.

Stevia, strong rooted cuttings, $1 per 100; postpaid. Wallace Hornaday Co., Lawton, Okla.

Salvia Bonfire and splendens, R. C., 75c per 100; $6 per 1,000. A. N. Pierson, Cromwell, Conn.

Salvia Zurich, R. C., $1.75 per 100; 2-in., $3 per 100. Perennial Gardens Co., Toledo, O.

Salvias, in 5 standard varieties, 2¼-in., $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Salvias, 3, 2½ and 2-in., $5, $3, $2 per 100. West End Greenhouses, Lincoln, Ill.

Salvias, R. C., $1 per 100; $8 per 1,000. S. D. Brant, Clay Center, Kans.

Salvia Bonfire, 90c. Byer Bros., Chambersburg, Pa.

Salvias, $1 per 100; $8 per 1,000. C. Humfeld, Clay Center, Kans.

Salvias, rooted cuttings, $1 per 100, by mail. Wallace Hornaday Co., Lawton, Okla.

SEEDS.

Seeds, Primula obconica, the type, ⅛ oz., 50c; tr. pkt., 15c; grandiflora, mixed, 1-16 oz., $1; tr. pkt., 25c; fimbriata, 1-32 oz., $1; tr. pkt., 50c; Bright rose, 1-32 oz., $1; tr. pkt., 25c; Kermesina, 1-32 oz., $2; tr. pkt., 50c; white, 1-32 oz., $1; tr. pkt., 25c; gigantea rosea, 1-32 oz., $3; tr. pkt., 50c; gigantea Kermesina, tr. pkt., 35c. Vaughan's Seed Store, Chicago and New York.

Seeds, bean, beet, cabbage, carrot, kohl rabi, leek, lettuce, onion, pea, radish, spinach, turnip, swede, aster, balsam, begonia, carnation, cineraria, gloxinia, larkspur, nasturtium, pansy, petunia, phlox, primula, scabious, stock, verbena, zinnia, etc. Giant pansy, $5 per oz.; $1.50 per ¼ oz.; 75c per 1-16 oz. Henry Mette, Quedlinburg, Germany.

Seeds, Primula obconica grandi, blood red, blue, carmine, pink, purple, violet, white, compacta, gigantea, fringed mixed, hybrids, separate, tr. pkt., 50c; 6 pkts., $2.50. O. V. Zangen, Hoboken, N. J.

Seeds, cyclamen, Mont Blanc, Baroness Burdett-Coutts, Crimson King, Duke of Connaught, Prince of Wales, Princess May, Rosy Morn, Picturatum, Dame Blanch, Duke of Fife, Brillant. Primula Sinensis. St. George's Nursery Co., Harlington, Middlesex, England.

Seeds, Asparagus plumosus nanus, and robustus, $2 per 1,000. J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds, all the best strains of florists' flowers. H. Cannell & Sons, Swanley, England.

Seeds, Asparagus plumosus nanus, $3 per 1,000; Sprengeri, 75c per 1,000. Moore & Simon, 339 Market St., Philadelphia.

Seeds, Asparagus plumosus nanus, 50c per 100; $3 per 1,000; $12.75 per 5,000. Asp. Sprengeri, 15c per 100; 65c per 1,000; $3 per 5,000. H. H. Berger & Co., 70 Warren St., New York.

Seeds, Asparagus plumosus nanus, northern greenhouse grown, per 100 seeds, 60c; 250 seeds, $1; 1,000 seeds, $3. Vaughan's Seed Store, Chicago and New York.

Seeds, verbena, mammoth, colors or mixed, ¼ oz., 30c; oz., $1. Salvia splendens, ¼ oz., 35c; oz., $1.25; Bonfire, ¼ oz., 75c; oz., $2.50. W. C. Beckert, Pittsburg, N. S., Pa.

Seeds. Tomato, the Don, Cauliflower. First and Best, Onion Ailsa Craig. Lettuce, Ideal. Mignonette, N. Y. Market. Weeber & Don, 114 Chambers St., New York.

Seeds. Lawn grass in bulk or pkts. Dickinson's Evergreen and Pine Tree brands. Albert Dickinson Co., Chicago and Minneapolis.

Seeds. Asparagus plumosus nanus, new crop, highest germination, $2 per 1,000. Drake Point Greenhouses, Yalaha, Fla.

Seed, pansy, giant flowering, $4 per oz. Jos. H. Cunningham, Delaware, O.

Seeds of all kinds. H. E. Fiske Seed Co., 12 and 13 Faneuil Hall Sq., Boston, Mass.

Seeds, sweet peas. Anton C. Zvonlanek, Bound Brook, N. J.

Seeds, peas, beans and garden seeds. Leonard Seed Co., Chicago.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds, pansy, 1,000 seeds, mixed, 25c; 1 oz., $2.25. H. Wrede, Luneburg, Germany.

Seeds, flower and vegetable. James Vick's Sons, Rochester, N. Y.

Seed potatoes, Red River stock. Onion sets, Vaughan's Seed Store, Chicago.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Seeds, all kinds. St. Louis Seed Co., 784-786 N. 4th St., St. Louis.

Contract Growers.

Seeds, onion, lettuce, sweet peas and other California specialties. C. C. Morse & Co., 48 to 56 Jackson St., San Francisco, Calif.

Seeds, bean, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, cabbage and cauliflower, Hjalmer Hartman & Co., Stormgade, Copenhagen; 31 Barclay St., New York.

Seeds, lettuce, onion, sweet pea, aster, cosmos, mignonette, verbena. Waldo Rohnert, Gilroy, Calif.

Seeds, growers for the wholesale trade only. Braslan Seed Grower's Co., San Jose, Calif.

Seed beans. F. L. Hogue, Carpinteria, Calif. Grower for the wholesale trade only.

Seeds, garden peas and beans. Rogers Bros., Alpena, Mich.

SMILAX.

Smilax, nice stocky plants from fall, $3 per 1000; 2000 for $5; 5000 for $10; by mail, 50c per 100. F. A. Baller, Bloomington, Ill.

Smilax, fine plants ready for 2¼-in. pots, $4 per 1000; 50c per 100. Smith & Young Co., Stanton Ave., Indianapolis, Ind.

Smilax, July 10, $1.25 per 100. Jos. H. Cunningham, Delaware, O.

Smilax, $2.50 per 100; $20 per 1,000. Geo. Reinberg, 35 Randolph St., Chicago.

Smilax, $15 per 1,000. A. M. Herr, Lancaster, Pa.

Smilax, 3 and 2-in., $3 and $2 per 100. West End Greenhouses, Lincoln, Ill.

Smilax, $2.50. Geo. A. Kuhl, Pekin, Ill.

SNAPDRAGONS.

Snapdragons, pink and yellow, 2½-in., $4 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

SPIREAS.

Spirea Gladstone, extra nice plants for Easter, 6-in pots, 35c each. Memphis Floral Co., Memphis, Tenn.

Spireas. Jacs Smits, Ltd., Naarden, Holland.

SWAINSONAS.

Swanisona alba, R. C., $1; 2-in., 2c. Byer Bros., Chambersburg, Pa.

Swainsona alba, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Vegetable plants, cabbage: Wakefield, L. J. Second Early, Early Flat Dutch, Early Summer, Winningstadt, and other late vars., $1 per 1,000; $8.50 per 10,000. Beet: Eclipse, Crosby's and Egyptian, 25c per 100; $1.25 per 1,000. Lettuce: Boston Market, Tennis Ball, Big Boston, Grand Rapids, 20c per 100; $1 per 1,000. Celery: White Plume, G. S. Blanching, 20c per 100; $1 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Vinca var., 2½-in., $3; 3-in., $5. W. H. Gullett & Sons, Lincoln, Ill.

Vinca var., 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

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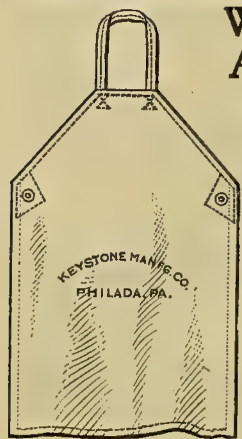

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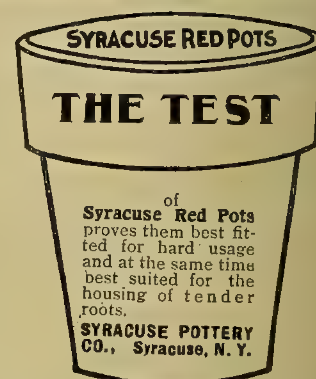

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1500 2¼ "	5.25	60-8 "	3.00
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1500 2½ "	6.00	48 9-in., in crate,	$3.60
1000 3 "	5.00	48 10 "	4.80
800 3½ "	5.80	24 11 "	3.60
500 4 "	4.50	24 12 "	4.80
320 5 "	4.51	12 14 "	4.80
144 6 "	3.16	6 16 "	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address
HILFINGER BROS. POTTERY, Fort Edward, N.Y.
or AUGUST ROLKER & SONS, New York Agents
31 Barclay Street, New York City.

GEO. KELLER & SON,
MANUFACTURERS OF
FLOWER POTS.
Before buying write for prices.
361-363 Herndon Street,
near Wrightwood Ave.,
CHICAGO, ILL.

Price List Standard Red Flower Pots

size	Per 1000	size	Per 1000
1½-in flower pots..	$ 2.50	3 -in flower pots..	$4.50
1¾-in flower pots..	2.60	3½-in flower pots..	6.50
2 -in flower pots..	3.00	4 -in flower pots..	7.90
2¼-in flower pots..	3.50	4½ in flower pots..	10.00
2½-in flower pots..	3.90	5 -in flower pots..	12.00
6 -in flower pots..	20.00		

A. J. MARQUIS, Prop. Middleburg, Ohio.

Kramer's Pot Hangers
For Sale by Wholesale Seedsmen, Florists and Supply Dealers.
Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.
I. N. Kramer & Son, CEDAR RAPIDS, IOWA.

Those Red Pots
"STANDARDS"
FULL SIZE AND WIDE BOTTOMS,
BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'F'Y.
HARRY BALSLEY, Rep. DETRIOT, MICH. 490 Howard St.

Florist's Red Pots
OF FINELY PREPARED CLAY.
Process and catalogue sent on request.
The Peters & Reed Pottery Co, ZANESVILLE, OHIO.

Standard Flower Pots
Porosity and Strength Unsurpassed.
Write for Prices.
A. F. KOHR,
1521 Leavitt Street, CHICAGO.

Always mention The American Florist when you order stock.

Iron Reservoir Vases

AND

Lawn Settees,

Manufactured by

McDONALD BROS.,

COLUMBUS, O.

The largest manufacturers of these goods in America. Send for catalogue.

THE BEST Bug Killer and Bloom Saver

For **PROOF** Write to

P. R. PALETHORPE COMPANY,

OWENSBORO, KY.

Carman's Antipest

INSECTICIDE AND FUNGICIDE

For the Garden, Orchard and Greenhouse

Non-poisonous and harmless to vegetation.

Kills Green Fly, Aphides, Bark Lice, Thrips, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

This is the Grower's Friend, handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. **$1.50 per gallon.** Also in quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO.,
FLUSHING, N. Y.

Cattle Manure In Bags Shredded or Pulverized

Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.

The Pulverized Manure Co.,
32 Union Stock Yards, Chicago

HELENA, MONT.—Charles Otto Horn is closing out his greenhouse business and is planning to devote himself entirely to vegetable growing. Mrs. Mattie Miller is practically making the same arrangements.

KOKOMO, IND.—W. W. Coles says his retail trade was not as good as last year but wholesale trade was excellent. Lilies and azaleas sold well in pots and carnations and roses as cut flowers. Bulb stock was in poor demand and there was plenty of everything to go around. "Money seems scarce."

NEW CASTLE, IND.—Growers who sent 20,000 roses to the state republican convention for Watson and 5,000 to Connersville for Judge Barnard who was nominated by the republicans of the Sixth district, are preparing to send a large consignment to the Chicago convention, as omens of success for Vice-President Fairbanks.

Iron Reservoir Vases...

Nearly 100 styles and sizes ranging in price from $6.00 to $100.00 each.

These vases are made with a reservoir for water, from which a constant and even supply of moisture is drawn by capillary attraction, and they do not need watering oftener than once in ten or fifteen days. Thousands of Reservoir Vases are in use on lawns and in cemeteries all over the country. Our prices are no higher than those of ordinary vases. Catalogue sent on application. Liberal terms to dealers.

WALBRIDGE & CO.,

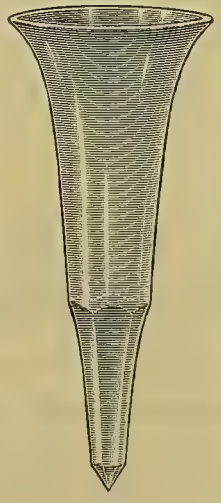
BUFFALO, N. Y.

HELP US MOVE

The largest stock of **NATURAL PRESERVED WREATHS** such as Magnolia, Ruscus, Cycas, Laurel and Moss wreaths, Cycas and Magnolia Leaves in green or bronze. Baskets, Cemetery Vases, Chiffons, all at unheard of prices.

SEND FOR OUR DECORATION DAY SPECIAL.

L. BAUMANN & CO., 76-78 Wabash Ave. **Chicago**



CLARA CEMETERY VASE

Made of Solid Moulded Glass

—o—

12 inches high, with wide flaring mouth. Can be supplied in green or white.

—o—

Doz., $2 50; barrel of 3 doz., $6 00, f. o. b. Chicago.

Vaughan's Seed Store

CHICAGO: 84-86 Randolph St.

NEW YORK: 14 Barclay St.

J. SCHROEDER,

— MAKER OF —

Artificial Flowers,

344 Ontario St., CLEVELAND, O.

DARIEN, CONN.—Mrs. Crawford has opened the St. John greenhouse on Railroad avenue.

Florists' Refrigerators

Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCray Refrigerator Co. 760 Mill Street, KENDALLVILLE, IND.

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florists' Supplies.

—SEND FOR PRICES.—

404-412 East 34th St., NEW YORK.

Wired Toothpicks

10,000, $1.75; 50,000, $7.50. Manufactured by

W. J. COWEE, BERLIN, N. Y.

Sample free. For sale by dealers.

H. BAYERSDORFER & CO.,

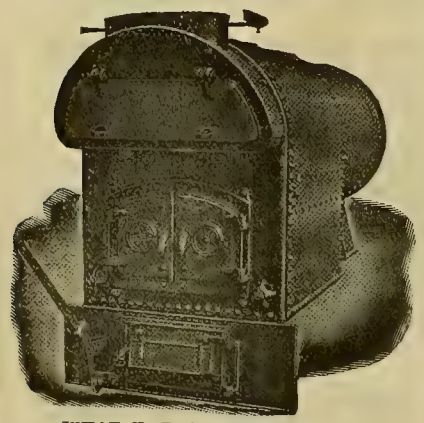
Florists' Supplies.

1129 Arch Street, PHILADELPHIA, PA.

Send for our new catalogue.

QUINCY, ILL.—Henry Geeseman, florist at the soldiers' home, is preparing the big floral basin for the display this summer.

STEEL RETURN TUBULAR
Steam BOILERS Water



WHAT F. R. PIERSON SAYS:

JOHNSTON HEATING CO., New York City.
Gentlemen —The internally fired steel boilers which you installed last fall are giving us great satisfaction. They heat very quickly and are very economical. We are exceedingly well pleased with them and they have more than met our expectations. Very truly yours, F. R. PIERSON CO.

Johnston Heating Co., 138 East 31st. St. NEW YORK CITY
Write for catalogue and prices.

Superior to All Others
FOR HOT WATER HEATING.

Superior Machine & Boiler Works
125 W. Superior St., CHICAGO, ILL.
Write for prices and catalogue.

New Orleans.

NOTHING DOING.

Now that Easter is past the florists have had quite an easy time, as there is very little doing in the cut flower and decoration line, with the exception of a few weddings here and there. As for the plant business, it is almost over for this season, as the people are now busy packing up to shortly take their departure to cooler climes for the summer. The growers are busy setting out their chrysanthemums for the fall trade. On account of the hot and dry weather some growers had quite bad luck with their cuttings, but, with the copious rains of a few days back, things are looking brighter.

HORTICULTURAL SOCIETY.

The Horticultural Society, May 3, attended the annual dinner tendered it by A. Alost, at his country home, Rose Villa, out on Gentilly road. Among the specially invited guests were Mayor Martin Behrman, who on this occasion was made an honorary member of the society. After partaking of a bountiful repast, toasts became in order, and President Eble appointed, as usual, C. R. Panter, the secretary, as toast-master; he acquitted himself to the satisfaction of all.

THEY HAVE ICE FREE ROOFS.

No gutter to collect the ice—no plate for ice to hang to. The U-Bar with its curved eave is ice and snow free, from ridge to foundation sill. It is the simplest, lightest, strongest, most durable, attractive and productive house built. They also cost less to maintain.

The ideal construction for private estates, parks, public institutions and florists' showrooms

Send for Catalog.

U-BAR GREENHOUSES

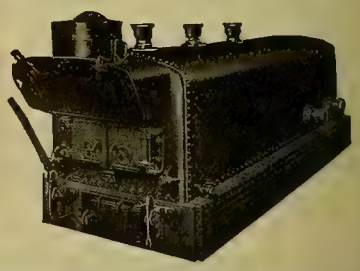
PIERSON U-BAR CO.
DESIGNERS AND BUILDERS 1 MADISON AVE., NEW YORK.

THE KROESCHELL BOILER
is the only perfect
HOT WATER BOILER.

We manufacture every type of boiler in use, but our greenhouse boiler, because of its special construction, possesses many advantages over any other type.

Prices and catalogue on application.

KROESCHELL BROS. CO.
45 Erie Street, CHICAGO.



We Invite All Greenhouse Owners to investigate our
IMPROVED METHOD OF
HEATING

Our COMPOUND Vacuum System requires SMALLER STEAM mains and connections, secures BETTER CIRCULATION in distant parts of the system.

And is More FLEXIBLE, ECONOMICAL in fuel, and will give you better SATISFACTION than any other steam or hot water system on the market.

Also have a simple HEAT REGULATION that is easily connected with it if desired.

Write for catalogue and investigate. Don't take our word alone for it.

SIMONDS HEATING & SPECIALTY CO.,
103 Washington Ave., DETROIT, MICH.

The members and guests were conveyed to the villa by two large wagons, kindly placed at the disposal of the society, by the Jas. Steckler Seed Co. The following members and guests assisted at the repast: C. R. Panter, Mayor Martin Behrman, Stanley Behrman, John Eblen, Jos. Steckler, H. S. Karstendick, Otto Abele, H. Krack, Otto and B. Werner, L. Buchner, P. Abele, B. M. Wichers, A. Alost, Chas Eble, Prof. A. H. Rosenfield, C. W. Eichling, P. A. Chopin, Harry Papworth, Jacob Rausch, Chas. Eble, Jr., Bernard Eble, J. A. Alost, E. Valdejo, F. Calonges, J. N. Miller and J. St. Mard.

D.

GREENHOUSE GLASS

PRICES WAY DOWN! DON'T HESITATE! WRITE TO-DAY!

You have been waiting for just such a time as the present and unless all signs fail, you will make no mistake in buying for present and future needs. Tell us the sizes you use, and we will quote prices that mean business.

HOOKER'S GREENHOUSE WHITE

WHITE AS SNOW. Ready For Use. TOUGH AS LEATHER

Years of experience and study have produced this wonderful wearing white and you know it requires just as much time to put on a cheap paint as it does the best.

Half Barrels, (25 Gals.) per gal. $1.40. 5 Gal. Buckets, per gal. $1.50

ANSBACHER'S

PARIS GREEN,

ABSOLUTELY PURE

NET WEIGHT PACKAGES. LOWEST PRICES.

H. M. HOOKER COMPANY,

Long Distance Phone Monroe 4994.

120 to 128 W. Washington St., CHICAGO.

Cincinnati.

PRICES BETTER.

The dark, cold and rainy weather of the past 10 days had a tendency to shorten the supply of stock and now the grower is beginning to realize something like living prices for his flowers. As usual, in cases of limited supply the shipping trade is picking up and, taking everything into consideration, we have no complaint to make about business. Roses sell fairly well but at greatly reduced prices. Carnations are about equal to the demand with a steady sale at from $1 to $5 per 100. Bulbous stock, with the exception of lilies, is about done for and there is a good call for lilies of all kinds. Peonies and irises have been greatly retarded by the cold weatner and all growers claim there will be a shortage of these, as the cold rains and snow have cut down a great many of the buds. Retail florists are using spirea Reevesii for window decorations and some good effects are produced which do not cost a great deal of money. Sweet peas are good property and daisies sell fairly well. Green goods are none too plentiful and clean up nicely every day. There are a few new ferns to be had but they are very poor in quality and hardly worth mentioning.

NOTES.

R. D. Ruttle and wife, of Covington, Ky., have the sympathy of every florist in this city in the death of their little daughter, which occurred May 9, after a lingering illness. The funeral was held on Tuesday and many beautiful floral offerings sent from the craft in this city were too numerous to describe individually. Mr. and Mrs. Ruttle take this method of expressing their thanks and appreciation for the many favors shown in their bereavement.

Peter Olinger, of the firm of Weiland & Olinger, received a telegram from his partner at New Castle, Ind., that they had acquired the Benthey-Coatsworth plant at that place. Details are lacking, but, this being the case, it will give this firm about 600,000 square feet of glass, the product of which will be handled at their wholesale house in this city.

Ben George, of the firm of George & Allan, was wearing the smile that won't come off last week. It is a little girl, and makes the eighth addition to his family.

J. Goldman, of Middletown, is cutting some exceptionally fine Richmond roses with stems three feet long. S.

The James H. Rice Co.

IMPORTERS and JOBBERS

GREENHOUSE GLASS

A SPECIALTY.

Window Glass, Paint, Putty, etc.

Office and Warehouse: Corner of Michigan, St. Clair and Illinois Streets, CHICAGO.

SPRAGUE, SMITH CO.

Jobbers of WINDOW GLASS.

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A SPECIALTY.

167-169 Randolph Street, CHICAGO.

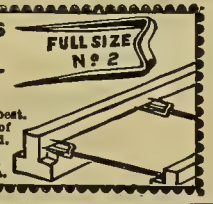
Holds Glass Firmly

See the Point

PEERLESS

Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.

HENRY A. DREER, 714 Chestnut St., Phila., Pa.



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Never Rust GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes ⅝ and ⅞. **40c** per lb., by mail 16c extra; 7 lbs, for **$2.50** 15 lbs. for **$5.00** by express. For sale by the trade

RANDOLPH & McCLEMENTS, Successors to Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty, Lasts longer than putty. Easy to apply.

MASTICA

FOR Greenhouse Glazing

USE IT NOW.

F. O. PIERCE CO.

170 Fulton St., NEW YORK

STENZEL GLASS CO.,

GREENHOUSE GLASS.

French and American "WHITE ROSE" Brand.

2 Hudson St., NEW YORK.

PULLMAN, WASH.—W. F. Thornber, professor of horticulture at the State College, has been offered a position as head of the horticulture and forestry departments of one of the largest agricultural colleges in the east. Professor Thornber is considering the tempting offer, which speaks well for his thoroughgoing work here.

Louisiana Red Cypress

"THE WOOD THAT WON'T ROT."

There is a test which every florist can make on his greenhouse and hotbed material, i. e., the test of **Durability.**

Try Cypress, the wood that has been tested.

IT IS THE MOST DURABLE WOOD KNOWN. Ask about it at your local lumber yard or write

LOUISIANA RED CYPRESS CO. HIBERNIA BUILDING, **New Orleans, La.**

The Allied Trades

Descriptive particulars—with drawings or photographs, if possible—of any new apparatus or device which may prove helpful to the trade are solicited for this department.

Piping for Rose House.

ED. AMERICAN FLORIST:—

We want to change a 21x80-foot carnation house into a rose house. What change will we have to make in the pipe system? There are three batteries of six 2-inch pipes, running the full length of the building under three benches. The house has a 12-foot ridge and will be protected on both sides. To be more explicit about the pipes, there are nine flows and nine returns, the length of the building. At present we can hold the house at 50°, during zero weather, by heavy firing. S. & P.

Nebraska.

Something is evidently wrong with the plant, as there is now sufficient radiation to maintain 60° or even 65° under the conditions mentioned. Whether the trouble is in the size or efficiency of the boiler, or in the arrangement of the piping it is impossible to say. I would suggest that the piping be rearranged, running two flows on each plate and two about three feet below the ridge, with two returns for each flow, placed well up under the benches. Run the flows with a downward slope of one inch in 20 feet and the same with the returns. The connections for the flow pipes with the boiler should be not less than two 3-inch or three 2½-inch pipes, and the same for the return. Were it not for utilizing the pipe now in the house it would be better to use four 2½-inch flows and 12 2-inch returns. L. R. T.

Greenhouse Building.

Chicago.—Frank Beu, three greenhouses, 30x140 feet each.

Newton Center, Mass.—F. E. Palmer of Brookline, new greenhouse.

Milwaukee, Wis.—Wm. Edlefson, one greenhouse; John Rost, one greenhouse. Holton & Hunkel, three houses, 27x205 feet, and several other houses for various crops; Chas. Menger, rebuilding two houses.

De Haven, Pa.—H. Westhoff, one greenhouse.

Tacoma, Wash.—Northwestern Floral Co., two houses.

Murphysboro, Md.—Claude Wisley, addition to greenhouse.

New Orleans, La.—I. F. Dubois, three greenhouses, 18x100, 11x100 and 12x35 feet.

Baltimore, Md.—John Hopkins University, one greenhouse.

THE FOLEY MFG. CO.

CHICAGO.

Completely Equipped with Up-To-Date Machinery for the MAKING OF MATERIAL FOR

GREENHOUSE CONSTRUCTION

FROM A FULL SUPPLY OF THOROUGHLY SEASONED LUMBER.

Send your sketches to our draughtsmen for completion and suggestion. Permit us to figure your proposed work large or small. **We Guarantee Our Prices Will Save You Money.**

Foley Ventilating Apparatus is the Best.

Is simple in erecting. Is easiest of operation. It will last a life-time. Its price is the lowest. Will ventilate any size house. Prices and circulars on application.

Our 1908 Catalogue Greenhouse Material sent postpaid on request.

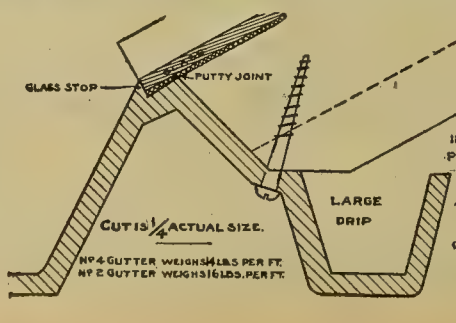
The FOLEY MFG. CO. Western Avenue 25th and 26th Sts. **CHICAGO.**

LUMBER

for Greenhouse Benches, Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.

We are in special position to furnish **"PECKY" CYPRESS;** everything in **PINE** and **HEMLOCK BUILDING LUMBER.** WRITE FOR PRICES.

Adam Schillo Lumber Co. Cor. Weed and Hawthorn Sts., **CHICAGO.** Tel. Lincoln 410 and 411.



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GARLAND GUTTER

ILLUSTRATING ITS SUPERIOR POINTS. PERFECTLY STRAIGHT CASTINGS MADE IN ANY LENGTH UP TO EIGHT FEET.

STEEL CHANNEL GUTTERS 30 CENTS PER FT. ANGLE PURLINS INCLUDING FITTINGS 8 CENTS PER FT.

CORRESPOND WITH US DIRECT AND SAVE AGENTS COMMISSION

GEO. M. GARLAND CO. DES PLAINES, ILLINOIS.

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXX. **CHICAGO AND NEW YORK, MAY 23, 1908.** **No. 1042**

THE AMERICAN FLORIST

TWENTY-THIRD YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—FRANK H. TRAENDLY, New York, Pres.; W. N. RUDD, Morgan Park, Ill., Secy.; H. B. BEATTY, Pittsburg, Pa., Treas. Next meeting at Niagara Falls, N. Y., August 18-21, 1908.

THE NATIONAL FLOWER SHOW.

CHICAGO, November 6-15, 1908.

Wm. F. Kasting, Buffalo, N. Y., is chairman of the general committee in charge. Chairmen of sub-committees follow:

EXECUTIVE AND FINANCE—Wm. F. Kasting, Buffalo, N. Y.
AMERICAN EXHIBITS—Ph. Breitmeyer, Detroit.
FOREIGN EXHIBITS—E. G. Hill, Richmond, Ind.
PREMIUM LIST—W. N. Rudd, Morgan Park, Ill.
ADVERTISING AND PUBLICITY—J. H. Burdett, 1411 First Nat'l Bank Bldg., Chicago.
LOCAL MANAGEMENT, PRIVILEGES AND CONSESSIONS—J. C. Vaughan, Chicago.
SPECIAL FEATURES—Otto G. Koenig, 6471 Florisant Ave., St. Louis, Mo.
RECEPTION—Aug. Poehlmann, Morton Grove, Ill.
AUDITING—J. A. Valentine, Denver, Colo.
TREASURER—I. C. Bertermann, Indianapolis, Ind.

The above chairmen have power to select their Various committees from the general committee of 50 or the members of the S. A. F. at large.

THE AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Annual convention at the twin cities, St Paul and Minneapolis, Minn., August 11-14, 1908. JOHN F. COWELL, Buffalo, N. Y., president: F. L. MULFORD, Harrisburg, Pa., secretary-treasurer.

AMERICAN PEONY SOCIETY.

Fourth annual meeting at Ithaca, N. Y., June 1908. C. W. WARD, Queens, N. Y., Pres.; A. H. FEWKES, Newton Highlands, Mass., Sec'y.

Flower in the crannied wall,
I pluck you out of the crannies;
I hold you here, root and all, in my hand,
Little flower—but if I could understand
What you are, root and all, and all in all,
I should know what God and man is.
—Tennyson.

SUGGESTIONS FOR CUT FLOWER GROWERS.

English Wallflowers.

A sowing of English wallflowers may now be made. Sow thinly in drills in an open sunny piece of ground if outdoor culture is to be relied on, or in flats in a cold frame or greenhouse if doubtful about insects and weeds. The plants are hardy and do just as well outside as in, but cutworms and other troubles are apt to decimate their numbers in the earliest stages. In either case, when the seedlings have got well into the rough leaf, prepare some beds about five feet wide and prick off the plants in rows, six rows to each bed. The soil must be made very firm in order to keep the plants very stocky, rather than excite them to rank growth. Nine inches apart in the rows is a good distance to plant and the soil must be kept free of weeds until the plants cover the ground. Good plants will be produced this way for benching in late fall.

Marguerites for Winter.

Where cuttings were struck as advised recently the plants will now be nice little stock in 2-inch pots and these should be stood outside in an airy, open position, where they will get the full benefit of the sun. After they have filled these pots with roots give a shift into 4-inch and pot very firmly, so that they may stay in these pots until the end of summer without becoming much pot-bound. The idea is to get a good solid growth into the plants and these will be fine stock for planting on the benches in early autumn. Pinch them occasionally and do not allow them to form flowers as they will do if left alone. If no cuttings have been put in it is not too late to get nice stock, but more trouble will be found just now in getting growth cuttings, the points being in most cases full of flower. Strike the cuttings in quite a cool place and as soon as rooted pot up and stand the plants outside in the full sun and treat as advised for earlier specimens. Spray the plants occassionally with tobacco water; this will keep green fly in check and also make the foliage distasteful to the leaf miner. When this pest is noticed remove the affected leaves at once.

Pyrethrums.

Where seedling pyrethrums were raised early, as advised, these will now be strong vigorous plants in 2-inch pots, ready for planting out on good soil. Never let them get hard in the pots before going out, or they will take a long time to get over the shift, while, when planted just at the time they are feeling the pots, they go right ahead without any check. The pyrethrums are fairly strong feeders and the soil for them should be made moderately rich by digging in a quantity of old manure. As the plants are practically hardy it is well to give them plenty of room when growing for cutting from, one foot apart each way being a good distance. The beds may then be kept over for two or three years by covering lightly in winter with litter and leaves. After the seedlings are planted out take good care of them by cultivating the soil frequently and, should very dry weather set in, mulching with short manure. They will commence flowering in August the first season and go on until checked by frost, while each succeeding year they will improve. After the third or fourth year the plants begin to deteriorate and should not generally be kept longer, their place being then taken by young plants. These pyrethrums come fairly true from seed and some of the best colors and forms should be selected each year and seed saved, with a view of working up a good strain.

Lily of the Valley.

Inexperienced growers are often afraid to tackle lily of the valley growing and apparently think there is some secret in its culture that has to be mastered before success can be attained. The only secret, if secret it is, is how to get the best class of pips for the purpose and the grower who runs around selecting the lowest price goods will be left with a lot of rubbish, no good except for planting up for outside beds. As the most important point, then, go to a dealer of repute and pay him the proper price for the best selected pips and this will be a good start. For the benefit of the inexperienced we may say that frames

about 30 inches wide, with three inches of fine sand over a bottom of rougher material is about right. Where forcing has to be carried on, arrangements must be made to be able to provide a bottom heat of 80° or 90°, but with good valves, so that the heat can be shut off entirely when necessary. Close fitting wooden shutters to exclude light entirely are necessary; also some lighter shutters to use later after the pips have started, a thin muslin being suitable for the latter. Having the sand well firmed and thoroughly soaked with water, let the surplus drain away and then begin at one end to plant. Trim the pips just under the wig of roots and lay them ready to hand. With a small straight-edge of suitable length and an old knife cut down a line in the firm sand, throwing it forward as the work proceeds. Then lay the pips in a line about one and a half inches apart and press the sand back against them. The straight-edge is then pressed down on the sand again, and this leaves a firm level surface, as well as marking the position of the next line, which is again cut down with the knife, and so on until all are planted. As soon as one frame is finished give a thorough soaking of water and place the shutters on, quite excluding the light. These will remain on until the growth has made considerable progress and the flower spikes are thrown well up into the leaves, when a chink of light may be admitted by placing a small wedge under the front edge of the shutters. The flower spikes in a couple more days will be well above the leaves and then the light can be increased by degrees, removing the shutters in about a week and covering with the muslin screens until the foliage is quite green and the bells beginning to open, when the plants may have the full light. Many growers do not use the screens at all, but depend upon careful manipulation of the shutters. Bottom heat is not really necessary to the production of lily of the valley, but is used to hasten the crop when required. A bottom heat of 80° will ensure cutting in about 26 days from planting, with the temperature of the house around 60° at night, and this is fast enough for the majority of growers. Never let the sand get dry, but avoid wetting the bells and foliage after they become forward. Unless there is any fungus or other trouble in the sand it is not wise to renew it very often, as old sand packs closer around the roots than new.

Coleus Cordelia.

Wm. Cutbush & Son, London, Eng., are sending out the fine coleus depicted in the accompanying illustration. This lovely variety has been aptly called "the queen of the coleus," as it is unsurpassed for its beauty of color and bold and striking habit. The leaves are a beautiful shade of crimson, tinted brown and mottled with green and gold, their shape being well brought out in the picture. It is a grand variety either for inside decorative work or bedding, for both of which purposes it has been well tried out by the raiser, a private gardener of Surrey. That it has distinctive merits beyond the ordinary is proved by the fact that it has been given an award of merit by the Royal Horticultural Society, and a first class certificate at Richmond rose show, awards that are unusual for plants of this character.

THE RETAIL TRADE

YELLOW SPANISH IRISES, owing to their lasting qualities, are in excellent demand just now.

Preparing for Memorial Day.

Although Memorial day may not lead to the sale of a very high class line of flowers, yet it is a great help to retailers, especially in small towns where there is a demand for stock of a medium priced character. A good stock of flowers that make a big show for the money should be procured and shown prominently. Peonies, for instance, are usually plentiful and cheap around this holiday and they make an excellent show and can be recommended for their lasting character. German irises again are showy and handsome flowers that catch the eye and make a good display for very little money. Any such flowers are sure to sell well and give satisfaction and a customer pleased with an order on an occasion of this kind is likely to become a regular one. It is good business policy at times like these to give patrons as good value for the money as can possibly be done, consistent with a fair profit. It will make regular flower buyers of a class of people that seldom enter a florist's store at other times, while, if they are charged heavily at the time they really need flowers, they are not likely to visit the store again in a hurry.

Coleus Cordelia.

Many retailers, too, have unfortunately an idea that any old stock that is not absolutely falling to pieces is good enough for grave decorations, but a greater error was never made. In preparation for Memorial day always have a good stock of cheap wreaths. A retailer who makes quite a feature of this class of trade always prepares a number of boxwood, galax and magnolia wreaths with a few flowers in each, and for these he finds a ready demand at $1.50, $2 and $3, higher priced ones being made when desired. And it is so little trouble to make neat little wreaths of this kind that every retailer throughout the country should make up at least a few of them and try them out for a season. In almost every case where they have been tried they have been a success. Magnolia, perhaps, even more than galax or box, is especially suitable to the day and is very lasting and attractive.

Following up orders obtained from a distance at such times as these is not sufficiently practiced. It is only reasonable to suppose that a customer who sends an order from a distant town one year, for say the placing of a wreath on, or planting a grave, will be anxious to repeat this order the succeeding year. Where a record of such sales is kept, a reminder on a postal card will often bring a repeat order with no trouble or expense. And, since the collecting of pictorial cards has become such a fad, why not have some printed that are indicative of the store for general use? Something not in the style of a strict advertisement but yet sufficiently indicative of where it has come from to remind the customer. There is ample time now to get to such customers, and a reminder just before the date of Memorial day is far more likely to be successful than one sent a long time in advance. "May we repeat your order of last year?" or a similar sentence is all that is needed; the customer will usually send full instructions.

Bedding plants and roots of herbaceous flowers such as daisies, Golden Glow, summer chrysanthemums or any of the scores of such plants make a good side line at such times as these. Vincas and geraniums are sure to be in demand. Small rose bushes in pots or with good wads of wet soil and moss often find a purchaser when well displayed, while asters, ten week stocks, zinnias and other annuals that may be sold cheaply add considerably to the takings. But avoid a litter of untidy boxes of flats with some plants taken out. Keep the flats that are being sold from in the rear, distinct from those shown to attract custom. Salvias, bright little plants in small pots, are always a safe line. They sell on sight to customers that will not look at plants on which no flower is showing, even though these may be more suitable for the purposes needed. And never be above telling interested customers what to do with the plants. There is a great wave of prosperity coming for the dealers who will supply plants to beautify the home, and why not be in on the ground floor with customers in your own town?

And, most important of all, never forget the flag. Patriotic Americans must have it, must see it on Memorial day, while sojourners from other climes will admire the patriotic spirit shown. A fine flag design worked out in true outlines and good colors will always be a winning card. Again, American Beauty roses tied with the flag form an excellent means of reminding friends of absent ones or of honoring those that have passed away. We know of an

GATES AJAR BY MORRIS GOLDENSON, LOS ANGELES, CALIF.

important retailer that for years has carried out an order from the same customer for this very device, a device that can never grow old or stale. The spirit of the day should always be kept uppermost in all kinds of decorations and nothing can be more apropos than the flag. Circumstances, of course, have to be kept in mind in all these details and each retailer must study out for himself what he thinks the most likely path to a successful day's trade. In a note of this nature we can only suggest; to lay down hard and fast rules would be absurd. But trade in cut flowers the last few weeks has not been any too brisk or profitable to the retailer and it is up to everyone of us to make the best use possible of an occasion such as Memorial day.

Fine Gates Ajar.

The very fine device illustrated herewith is by Morris Goldenson, Los Angeles, Calif., and is in that clever decorator's own unique style. There is a distinctiveness about this piece that is very refreshing and it is free from the objectionable crowding of the flowers so often seen in work of this character.

On the left are marguerites, finely arranged with maidenhair and Boston fern fronds, the opposite side being principally white lilies and carnations with similar ferns and asparagus. In the center is a bunch of purple delphiniums. It is a beautiful piece and a credit to the designer.

The Alpha Floral Co., Kansas City, Mo.

The history of the development of the Alpha Floral Co., Kansas City, Mo., is contemporary with the rise to prominence of Alpha Elberfield, its genial proprietor, who, during the brief period of six years has built up a business doing $100,000 annually, although his initial outlay was less than $150. As a live instance of the great power of advertising judiciously and a tribute to its worth this business stands out prominently, Mr. Elberfield's annual expenditure for newspaper, follow-up letter, bill board, street car and other forms of legitimate advertising reaching the respectable total of $15,000. He is quite a plunger in advertising, in fact, and has none of the fear of many retail florists in regard to printer's ink.

But he does not depend upon printer's ink alone. He knows that whatever tends to create a favorable impression on the mind of the public is advertising in its best and most profitable form and he has evolved, during his business career, many unique and profitable ideas of business expansion. His latest idea was to send to each of the 3,000 customers on his books an elegant assortment of cut flowers worth $1.50 specially delivered free by the company's automobile and followed by a letter thanking the recipient for his or her patronage and loyalty to the house, of which the present was a token, noting also that the continued patronage had helped build the business that was on that day, celebrating its sixth birthday. This letter was followed by another in a few days soliciting the further continued patronage of the customer, noting how the Alpha Floral Co.'s large business enabled it to sell better flowers at less money than they were procurable for elsewhere, "the whole plan and network of our institution being conducive to the exercise of the greatest economy in our every department."

To return to the story of the business: Alpha Elberfield, burdened with the accumulated wealth named above, happened into Kansas City some six years ago and espied a little hole in the wall that looked good to him for a start. On finding that he could become the tenant of this, which was adjoining a popular drug store, for $20 per month he negotiated with the drug store, cut a doorway through and put in a window at the cost of $40 and with his capital so much reduced started his advertising campaign and his store simultaneously and commenced his career. His little bouquets and floral devices were as tasty as his ads and this, combined with the low prices asked for the goods, astonished and delighted his customers and they came back for more.

At first Alpha often found he had stock left over at night and, knowing that this, without proper storage facilities, would be a dead loss, he put his surplus into a basket and long after his competitors were in bed would walk the down-town streets and invade the restaurants until his stock was all sold. Then only would he rest for a short time, to be at his store again in the morning before the drug store was open, having often spent half the night preparing for his next day's business. Alpha had to pay C. O. D. and to put up with his cramped conditions and other inconveniences, but when at the end of six months his partner got cold feet he was able to buy him out for $60, neither of them thinking at that time that a half share in this individual business would, in six years' time, be worth $25,000. All this time he had been advertising, signing up for more space than was used by firms with 1,000 times his capital, yet always managing to meet the collectors and each month increasing his publicity.

A. Elbe field.
Of the Alpha Floral Co., Kansas City, Mo.

All this time, however, he was fighting against terrible odds and when in 1903 the floods visited Kansas City things looked pretty bad. To make matters worse he was summoned to serve on a jury which meant three days' absence from business and—ruin. Closing his door for a few minutes Alpha hot-footed to the courthouse and, after a mighty hard tussle with Judge Teasdale, succeeded in getting excused. An order for a funeral happened along that day and saved the situation and at the end of the day Alpha Elberfield was still in business. And this proved the turning point, after which he went right ahead. A year's business passed and the little hole in the wall at 802 Walnut street was too small. He was making money too and the drug store people, evidently with the best intentions, doubled the rent, at which Alpha kicked and removed to a store at 819 Walnut street at $75 per month. Increased rent, increased advertising and other expenses necessitated more business and he went after it so vigorously by fine displays and a noble front window, also keeping his store open practically day and night, that he got it. Always a keen buyer and always prompt in his payments he had a good standing now with the wholesalers and he always made it a point to have a leader of some kind every day. He also gained the reputation among society people of being able to do the best work at the shortest notice and his business advanced by leaps and bounds, necessitating a stenographer and office force. His business motto, "We strive to please," was everywhere and the store was kept so attractive that almost everyone passing made a purchase.

In December, 1907, the store was moved again to more commodious quarters at 1105 Walnut street, the most expensively rented and finest floral store in the city. An elaborate modern refrigerating plant took the place of the old ice box, the front window in fact being a "refrigerator" window and large enough to hold eight people as well as a fine stock of flowers. Now at rush times 10 clerks are needed to dispose of the orders and the growing of the business from such small beginnings to its present noble proportions is a striking tribute to the energy, pluck, capacity and determination of this remarkable man. This is, in brief, the history of the Alpha Floral Co. to date. Alpha Elberfield is now only 31 years of age and has the best of his life before him. He has a great knack of making people his friends and, justly proud of his own achievements, he never fails to profit by the experience of others whom he meets. Such men connected with any industry are a credit to it and the whole trade is proud of their achievements.

Floral Steamer of Immortelles.

Steamer trade forms no inconsiderable portion of the trade of high class retailers now and as a means of calling the attention of patrons to the fact that this class of work is taken care of a steamer model in the window is good. By far the best example of this class of work we have seen is now being shown in one of the windows at Fleischman's, Jackson boulevard and Michigan avenue, Chicago. This fine model is six and one-half feet long and five feet high from the keel to the top of the masts and has been excellently carried out by Geo. Wienhober. The hull is carried out in white immortelles, these being made in sections and fastened on a wire frame so as to bring out every detail of line. The decks are of red immortelles and the davits, sails and all lines are brought out sharply and well in white and red chenille.

There are two lines of port holes and these, as well as the chenille funnels, are lit with small, frosted electric lights, which give the ship a very fine appearance at night. Boats hang in the falls and the captain's bridge, masts and all details on deck are carried out with great accuracy as to scale. The ocean is well represented by a painted canvas underneath the boat and the whole thing is a very striking and excellent piece of work. The expense of making a boat of this class is considerable, but it is characteristic of this firm to do things well and doubtless the money is well spent. Backed up with palms and otherwise well shown the effect of this model is excellent and it will, no doubt, prove a money maker in drawing business of the kind indicated.

THE tightly packed bunches of apple blossom now seen in the retail stores are anything but an artistic way of showing a pretty flower.

Chicago Parks in Early May.

THE WEST SIDE PARKS.

The new greenhouses at Garfield park are rapidly being put in order and when the plants grow into shape a little they will doubtless attract many visitors. The tulips around the boat house are just at their best and, although they show signs of the very bad weather, there is a very fine show. The north side beds are filled with Cottage Maid, bordered with a variegated variety, which lightens the whole considerably and is continued on the south side, backed with red varieties. The new concrete building is being covered with Ampelopsis Veitchi and the delicate tracery of the stems just breaking into leaf is very pretty just now. All around, the new shrubbery and herbaceous beds are taking shape and the continued rains at least serve to keep the shrubs going. All appear to be making a healthy and satisfactory growth. There are many hundreds of daffodils around the lily ponds that brighten up the edges.

South of Madison street near the band stand there is a grand display of tulips in the large beds. Coleur Cardinal is not quite out, but looks very promising and these beds will be a mass of color in a few days. One immense bed has thousands of Cottage Maid in full beauty, bordered with Yellow Prince, all very level and the flowers of excellent quality. Other large beds are filled with T. Moore, bordered with White Pottebaker, a very effective combination. There is a fine long bed of a rose purple variety on one side of the long walk, and on the other a fine bed of daffodils, while the daffodils planted among the herbaceous plants and roses are very striking and showy and brighten up the beds while the other occupants are coming into line. This fine park will be a great boon to west side people, who will soon be flocking there in hundreds.

At Humboldt park the newly planted rose garden looks well. The plants are making a fine growth and promise a great show of flower. Just now the beds are a mass of yellow daffodils, many thousands having been planted, and these make a very fine show. At the back rhododendrons and Ghent and mollis azaleas are just ready to burst into bloom and they will be a magnificent sight shortly. Planting herbaceous stock is still going on and the plants set out last year look very flourishing. A little later, when they come into flower, this and the neighboring borders at the back of the rose garden will be a mass of flower. Vincas and phloxes are already in flower and later narcissi are pushing up among the stones in a very natural and pleasing way, far prettier really than the more formal beds. Here again the recently planted shrubs are taking to their home with a will. Near the entrance on California avenue Pyrus Japonica is flowering and the herbaceous stock is pushing up strongly, and we are looking forward to a rich display here in the near future.

BEDS OF TULIPS IN GARFIELD PARK, CHICAGO.

WINNIPEG, MAN.—In view of the fact that there is a pressing need for definite lines of work to be undertaken in the improvement of school grounds in the rural districts of the province of Manitoba, the Western Horticultural Society has inaugurated a movement to encourage the holding of horticultural competitions for the purpose of improving existing conditions. Destitute of trees and with no evidence of flowers, many of the schools present a rather dreary appearance. A little work wisely directed and well done would do much to relieve these conditions and make these places much more attractive.

FLORISTS' FERNS.

NEPHROLEPIS AMERPOHLI is highly spoken of in some of the foreign gardening papers.

"NOTHING to beat Whitmani as a market fern," is the opinion of a well known grower.

FERNS are always better repotted or transplanted when just starting into growth than when quite at rest.

ADIANTUM CAPILLUS VENERIS is almost hardy and an excellent species for small made-up devices, easily grown and standing well.

GYMNOGRAMMAS and common pterises are among the "weeds" that are constantly appearing in batches of choice seedling ferns and should be removed early to avoid crowding out better things.

Notes in Season.

The old idea that ferns, more than any other class of plants, need a heavy shade dies hard, whereas the truth is that when in good health they need very little if any more than other green leaved plants. Growers of ferns for cutting know perfectly well that, unless their plants have a fair amount of sunshine and light at all times, the produce is likely to be thin in texture and not lasting enough to be of much use to the retail florist, as it will not keep. Boston ferns again, when grown in heavy shade, do not stand well while even the small, quick growing stock for fern dishes and baskets does not thrive well if grown in a semi-dark position. It is easy, of course, to allow too much sun and fern fronds are easily injured by it, but when plants are damaged by an ordinary amount of sunlight there has been something wrong in their previous treatment.

For instance, many of the adiantums grown for cutting will if placed in a lot of heat and moisture and given heavy shading grow very luxuriantly and green and the inexperienced grower thinks his plants are doing exceptionally well. But when such plants come to be placed in light sunny houses, no matter how well ventilated or no matter how carefully the plants are treated, the fronds suffer. The shading problem is very important just now. There are newly potted or newly planted ferns that must have shade. The roots have been disturbed and are not capable of supplying sufficient moisture to the fronds, in consequence of which they wilt when the sun strikes them. But it is different with plants well established and that can be watered freely. These will stand quite a lot of sunlight and be the better for it. Only such parts of the house then as are needed for propagation or for newly potted plants need be heavily shaded, the other parts should only have just a little shading to break the full force of the sun's rays. Blinds or shades are, of course, more satisfactory than any kind of shading applied to the glass but they are expensive and out of the question in many places.

There is usually a little more room in the fern houses after the Easter plants have been removed and this gives the grower a chance to repot small ferns and to pot up the earliest runners from the propagating benches of Boston and other varieties of nephrolepis. The latter will be growing, of course, and it is well to see that the roots of the other stock are active. Sometimes, owing to having become potbound, young stock will not start freely. In such cases the balls should be broken up a little and the plants laid out on a moist bench for a few days before potting. It will then be easy to see when the little rootlets are becoming active and they can be potted. When quick growth is desired somewhat loose potting and a rough compost containing a fair percentage of peat should be given. If a solid, slower growth is required to build up good specimens let the soil contain more loam and pot more firmly. In either case keep the plants in a rather closer atmosphere than before and water moderately at the roots until re-established.

Benches of adiantum cut over at Easter should be kept a little on the dry side and all small, useless fronds cut away as well as any damaged or decayed parts. A light dusting with old soot is an advantage, or, if this is not at hand, a sprinkling of artificial fertilizer. Spraying is not usually necessary; it is harmful in fact, but the atmosphere must be kept moist by damping around the benches, walls and floors. The growth will soon start up again and then the roots must have more moisture, giving the benches a good soaking and allowing this to dry out before repeating the dose. Keep as much air as possible on the houses where there are well developed fronds fit for market and always cut the plants clean over. It is bad practice to be constantly cutting a few fronds from a plant. Let them alone until the fern is well developed and then cut over as many plants as are needed and take the heads to the packing shed or cellar to be sorted.

HARTFORD, CONN.—The exhibitions of wild flowers commenced last season at the Athanæum have been repeated this year, with very gratifying success so far.

THE CARNATION.

PINCH the young plants so as to produce about four good shoots.

WHEN planting in the field keep the varieties together as far as possible.

WHERE the water has a tendency to slime, move the surface soil occasionally on the young stock.

A FAMOUS hybridizer said it took him 16 years to develop a good habit in a fine seedling he raised.

REMOVE rusted leaves on sight and burn them. Light attacks of this disease may often be checked this way.

THE low prices of the present season may be followed next year by more satisfactory returns, so keep at it. Plant the best varieties.

SLIGHTLY rolling ground is best for field carnations, not so flat that water stands on it or so steep that the soil is disturbed by storm water.

LAWSON is said by experienced growers to be losing its constitution and taking all diseases that may be around in the houses where it is grown.

Notes in Season.

The field space for carnation planting should now be got into condition preparatory for planting out the young stock as quickly as the weather will permit. The most suitable ground for the field culture of carnations, according to our experience, is a medium light soil yet with texture enough for the plant to make a sturdy growth. We do not like to see a carnation plant make long jointed growths while in the field which they have a tendency to do if planted in very light, rich ground. Another very important point to consider is the lay of the land. Carnations should never be planted on low, wet land or ground that is heavily manured. They do best in a soil that drains the water away readily. Places where there is a chance of the ground remaining flooded for any length of time after heavy rain storms should be avoided if possible. When preparing the land, do not get more space ready than the planters can plant each day, planting in freshly worked ground being much less trouble than when it has been standing for a while and had a rain on it. In fact it saves time in this case to rework it if for any reason the planting is not kept up close.

The size of the planting ground and the number of plants to be taken care of will govern to a great extent the distance apart to set the plants and the mode of planting. Where small quantities are grown the bed style of planting can be followed out—that is plant them in beds about four feet wide with a walk between each bed, setting the plants about 10 inches apart in the beds. Cultivating and keeping the weeds down will then have to be taken care of with the hoe. The only way to plant large numbers so that they can be properly cultivated and attended to is to set them in rows 15 inches apart and the plants 10 inches apart in the row. Where plenty of space is at hand and early planting into the houses is followed out the plants can be set 14 inches apart each way which allows for cultivating with a hand cultivator both ways. If planted this way the ground can be marked out with a marker of the required size, allowing for the planting to be done more quickly than when a line is used.

The young stock intended for growing inside all summer should also receive attention. The method that we have been following for the past two seasons is to empty some of the beds where the old plants are about done or containing colors which the demand does not call for very heavily from this time on. After thoroughly cleaning out the benches and giving the insides a good coat of lime wash a very thin layer of well rotted manure is spread over the bottom and then three inches of fresh soil is filled in on top of this. We do not add any manure or bonemeal with the soil at time of filling in but top dress later, after the young plants are growing freely, with pulverized sheep manure giving them a light dusting about every two weeks. The plants are set about four inches apart each way, stock from 2¼ inch pots being used, that from February propagation being preferred. Care is taken not to set the plants too deep and when finished extra caution is exercised in regard to watering the beds. They should be held a little to the dry side, or the plants will run away to soft growth. They will need constant watch-

PALMER'S WAGONS, FROM GREENHOUSES TO BUFFALO STORE, 10 MILES.

ing and caring for regarding pinching back, also keeping them free from insects, and, about every week or so, go over the surface of the beds and loosen up the soil a little with a scratcher.

Our first planting into permanent quarters last season was done June 27. These beds have given us the best results throughout the whole season and are now in fine condition. We find a considerable saving in following this method over carrying the plants in pots which

CARNATION WITH DOUBLE CALYX, FROM W. E. HALL, CLYDE, O.

was one of the big drawbacks against indoor culture. The flowering plants which are expected to do business up to July or later must receive every attention to encourage growth. They will need extra feeding from now on; a dressing of pulverized manure about every two weeks is the best way to apply the stimulant. Watering the beds requires frequent attention at this season, the beds being so thoroughly matted with roots that they dry out very quickly. Disbudding will also have to be kept up closely. If left over for a few days longer than usual the side buds will lengthen out considerably and the main stems become crooked, entailing considerably more work than if done on time.

C. W. JOHNSON.

Carnation with Double Calyx.

ED. AMERICAN FLORIST:—

Under separate cover I am mailing you photographs of a red carnation seedling, which made its appearance with me some time ago. It has a duplex calyx and flower, and it may interest our brother florists and carnation breeders. With my 25 years' experience in growing and breeding the carnation I never saw or heard of one being produced like this. Perhaps others have. If so, I hope this will bring out more about this class of flower and their experience with it.

The size across, under the petals, is 4½ inches, which covers the outer line of the carnation measuring card. The photographs are very poor and do not do justice to the flower. The make-up of flower is not overcrowded with petals, but it has a full center, round and fringed like a double poppy. Measurement over the top of flower, 7½ inches. The depth of flower, three inches; stem 24 inches long; outside calyx, 1x1¼ inches; inside calyx, ⅝x1¼ inches. The lower half of stem is as large as an ordinary lead pencil, the upper half stiff and wiry, holding the flower gracefully. One peculiarity of the calyx is that the stamens come out of the inside and the anthers from the outside calyx. The inner calyx is never seen at any time when the flower is opening or fully developed, and prevents this extra large flower from bursting. The flower with stem weighs 2½ ounces, more than double the weight of the ordinary large carnation.

W. E. HALL.

Palmer's Wagon Train.

From the greenhouses at Lancaster, N. Y., to Buffalo is about 10 miles and, this distance, H. J. Palmer & Son, whose retail store is in the latter city, have to transport the cut flowers and plants grown at their greenhouses. The accompanying illustration shows a train of their delivery wagons which were caught by the camera on a recent morning enroute to the city. The firm is noted for the excellent stock it grows and disposes of and we are glad to show this interesting picture.

BRISTOL, R. I.—Richard H. Dunbar has suffered considerable damage to his glass from the stone throwing nuisance, about $40 worth having been smashed quite recently.

Hydrocyanic Gas for Fumigating.*

The most widely used insecticide for greenhouse fumigation is tobacco in its various forms. In many instances it is without doubt the cheapest and safest insecticide to use against aphides and a few other greenhouse insects. Its effectiveness, however, under the best conditions, is not great, as it requires repeated use at short intervals. Moreover, it may cause serious injury to the plants. In the case of violets it has been found to be of only slight value against aphides working in the bud, and while it may destroy the so-called green aphis when exposed, it is not effective in killing the brown aphis. On the other hand, tobacco may prove injurious to the foliage and flowers, bringing on epidemics of spot. Tobacco is also useless against scale insects in general and mealy bug. The desirability of some insecticide as easily used as tobacco, but more penetrating and effective and less likely to injure plants, was apparent, and became absolutely necessary in our study of the diseases of certain crops.

Hydrocyanic-acid gas, since its introduction by the bureau of entomology in 1886 as a remedy against scale insects of the orange, has proved of great value as an insecticide. Previous to our experiments early in 1895, though it had been occasionally tried in greenhouses, hydrocyanic acid was not recommended, on account of its injurious effects upon plants. As a result of a series of careful experiments we found that as a rule plants were less injured by a short exposure to a relatively large amount of gas than they were by a long exposure to a relatively small amount. On the other hand, a strong dose for a short time was the most effective in killing insects. Different species and varieties of plants, however, were found to vary remarkably in their power of withstanding the poison. This in many cases appeared to depend upon the open or closed condition of the breathing pores as well as upon peculiarities of the cell contents.

*From Circular No. 37 (Revised), issued by the bureau of entomology, Department of Agriculture, Washington, D. C., by Frank Woods.

Fumigation an hour or two after sundown, with the temperature as low as practicable, was found to give the best results. In all cases the foliage must be perfectly dry or it may be injured by the gas. In each case the proper amount of gas to use and the length of exposure must be determined by experiment. It is impossible at present to give a general rule applicable to all plants in all stages of development. When the conditions are once determined they must be strictly followed to insure the greatest success. Methods of experimenting will be described later. The quantity of gas in each case is always given in terms of the potassium cyanide from which it is made, and on a basis of a cubic foot of space, as will be explained more in detail farther on. The cyanide, as well as the gas made from it, is exceedingly poisonous, and both must be used with the greatest care.

SUCCESSFUL EXPERIMENTS.

FERNS.—For Davallia Mooreana infested with a scale insect (Chionaspis sp.), 0.075 gram of 98 per cent potassium cyanide should be used for each cubic foot of space to be fumigated, not deducting the space occupied by the plants. Length of exposure, 20 minutes; 150 to 200 with fronds in all stages of development have been thus treated two or three times each year for the past 13 years with no injury to the plants and almost complete destruction of the insect. They were treated 50 at a time in a fumigating box (fig. 1), described later. Adiantum cuneatum and A. Ballii have been tried on a small scale and were not injured by the treatment.

COLEUS.—Golden Bedder, Verschaffelti, Shylock, and others. Twenty-four thousand plants in pots, badly infested with the white-tailed mealy bug (Orthezia insignis Dougl.). The house contained 15,587 cubic feet of space. Treated at the rate of one-tenth of a gram of 98 per cent cyanide of potassium per cubic foot of space for 20 minutes, one hour after dark. Orthezia all killed and plants not inujred in the least. All other means of destroying the orthezia had been tried without effect. Large numbers of the common mealy bug were also killed by this treatment; but it was not nearly so effective as for the white-tailed variety. All coleus cuttings made by the United States propagating gardens for the past 11 years have been fumigated before being prepared for the cutting bed.

DOUBLE ENGLISH VIOLETS.—Marie Louise, Lady Campbell, and others.—For aphides and general fumigation fifteen-hundredths of a gram of 98 per cent cyanide of potassium for each cubic foot of space is required. The exposure, if made according to directions, will not hurt the plants in any stage of growth. Since the first publication of this circular in 1899 the gas has been used on a large scale by commercial growers in fumigating violets, with the greatest success, only a few treatments during the season being required. Length of exposure, 20 to 30 minutes. Leaf-eating larvæ, slugs, millipedes, cutworms, etc., when exposed are killed as well as aphides. Red spider, however, is not entirely eradicated by the treatment. The foliage of single violets like California and Princess of Wales are sometimes slightly injured by the stronger dose of gas. A weaker dose (one-tenth of a gram of potassium cyanide per cubic foot) should be used when they are to be treated.

OTHER PLANTS.—Other plants on which the gas has been tried on a small scale indicate that it may probably have quite a wide range of usefulness. The gas has been used on the following at the rate of one-tenth gram of cyanide per cubic foot of space for 20 minutes without injury. Further experiment, however, is necessary before the treatment can be recommended for these: Adiantum Ballii; Adiantum cuneatum; Alocasia macrorhiza variegata; Anthurium crystallinum; Aralia filicifolia; Areca lutescens; Cichorium intybus: Cissus discolor; crotons (in variety); Dieffenbachia Jenmani; Eichhornia speciosa; Ficus elastica; Fuchsias (in variety); Hoffmannia refulgens; Jacaranda ovalifolia; marantas (in variety); Nymphæa candidissima, odorata, and rosea; Panax Victoria; Pandanus Veitchii; Phrynium variegatum; Stenanthium Lindeni; Xanthosoma Lindeni.

ROSES.—Perle des Jardins, Catherine Mermet, and Bride.—The young growth on roses is particularly sensitive and has been more or less injured in all our experiments.

CARNATIONS.—Scott, Garfield, Meteor, and McGowan will stand one-tenth of a gram 98 per cent cyanide per cubic foot of space for 15 minutes without material injury. This will kill about 90 per cent of the aphides, but will not kill thrips. The use of the gas for carnations needs to be more carefully investigated before it is recommended. The same is true of chrysanthemums, on which it has been tried with only partial success, the young growth being very sensitive.

GRAPES UNDER GLASS.—The gas has been used with success in New Zealand for mealy bug (Dactylopius adonidum L.) at the rate of one-third of an ounce 98 per cent cyanide to 100 cubic feet. This is equivalent to nine-hundredths gram per cubic foot. The gas is liberated after dark and left in till next morning, when thorough ventilation is given. It largely escapes, however, during the night. The treatment is said not to injure the plants in the least.

TOMATOES.—Dr. Jabez Fisher, in American Gardening, October 29, 1898, reports using the gas for white fly (Aleyrodes vaporariorum Westw.) on tomatoes. The gas from one ounce of pure cyanide of potassium for each 1,000 cubic feet, left in the house over night, killed all the insects without injury to the plants. This method has not yet proved successful with us in any case, but it should nevertheless receive careful trial by other experimenters.

CUBIC CONTENTS OF THE HOUSE.

It is necessary in every case to determine with great care the cubic contents of the house, frame, or box in which the fumigation is to be made. To illustrate: Fig 2 shows cross sections of two styles of greenhouse structures now in general use. At the left is an even span house 100 feet long, 12 feet wide, two feet on the sides, and five feet six inches from the surface of the beds to the ridge, with a walk 14 inches wide and 15 inches deep. To determine accurately the number of cubic feet in this or a house of similar construction: Make a rough drawing showing a cross section of the house; divide the space into triangles and rectangles by drawing a line connecting the two wall plates and one from the ridge at right angles to this; mark on each its respective length in feet and inches; compute the number of cubic feet in each of the rectangles and triangles in accordance with the following method. In the even span house shown at the left the number of cubic feet of space in the walk is found by multiplying the width by the depth by the length, thus: Multiply one foot two inches by one foot three inches by 100 feet; reducing to inches we have 14 inches times 15 inches times 1,200 inches equals 252,000 cubic inches; dividing this result by 1,728, the number of cubic inches contained in a cubic foot, we have 145.83 cubic feet. The rectangle A D G F is computed in the same way, except that in this case it is not necessary to reduce the feet to inches. It would be 12 feet times 2 feet times 100 feet equals 2,400 cubic feet. This brings us to the triangles. The rule generally given for calculating the area of a right-angle triangle is to multiply the base by the perpendicular and divide the product by two. The result multiplied by the length of the house will give the number of cubic feet the triangular portion contains. For example, taking the triangle A C E: Six feet times 3 feet 6 inches, equals 21 feet, divided by two equals 10.5 feet, multiplied by 100 equals 1,050 cubic feet. The area of the triangle E C D and the cubic feet in this part of the house are determined in the same way; or, in this case, since the triangles are equal, the desired result is obtained by multiplying the number of cubic feet in the triangle A C E by two; 1,050 multiplied by two equals 2,100 cubic feet. The contents of this house is therefore 145.83 plus 2,400 plus 2,100 equals 4,645.83 cubic feet; this result multiplied by the required dose per cubic foot of space will give the amount of cyanide of potassium necessary for one fumigation.

FIG. 1.—FUMIGATING BOX, SHOWING TRAYS AND COLEUS CUTTINGS.

Woods, Circular 37, Bureau of Entomology, U. S. Department of Agriculture.

Fig. 2 shows at the right a cross section of a three-quarter span house 100 feet long, 18 feet wide, front wall four feet four inches, back wall six feet four inches, and 11 feet 10 inches to the ridge. The cubic contents of this house is determined in the same manner, except that the two triangles being unequal, each one will have to be calculated separately. The house contains 15,050 cubic feet. It will thus be seen that the cubic contents of a house or frame of any style can be readily determined by simply dividing a cross section of the same into the necessary number of triangles and rectangles and calculating as demonstrated above.

A simpler method of obtaining the cubic contents of a house has been described by Galloway. This consists in

laying off a cross section of the house according to scale, on a piece of paper ruled in squares, each square being equal to a square foot. For example, suppose the squares are one-eighth of an inch to a square foot. The end-section of the house is then accurately laid off on these squares, and by counting the squares and parts of squares the number of square feet of space in the end section can be easily determined. This,

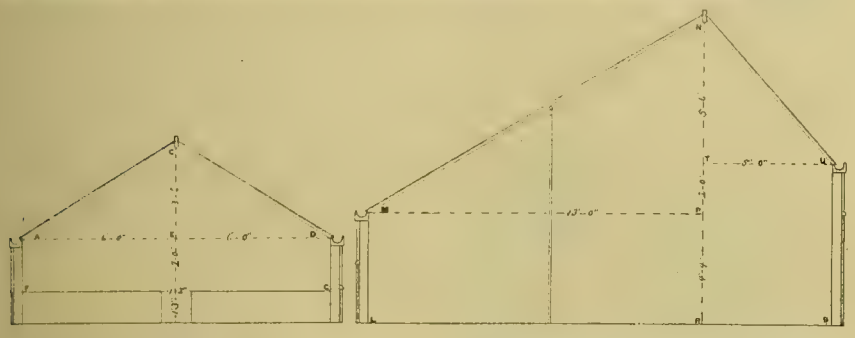

FIG. 2.—SECTION OF SPAN HOUSE AT LEFT AND THREE-QUARTER SPAN AT RIGHT.

Woods, Circular 37, Bureau of Entomology, U. S. Department of Agriculture.

multiplied by the length of the house, will give the cubic contents in cubic feet.

AMOUNT OF POTASSIUM CYANIDE TO USE.

After the number of cubic feet in the space to be fumigated is determined, the amount of cyanide required is found by multiplying the cubic contents by the dose per cubic foot. For example, if single violets are to be fumigated, the dose would be one-tenth of a gram per cubic foot. A dose, therefore, for the even-span house, containing 4,646 cubic feet, would be 4,646 multiplied by .1 equals 464.6 grams. To reduce this to ounces, divide the number of grams by 28.35 (the number of grams in an ounce avoirdupois); 464.6 divided by 28.35 equals 16.38 ounces avoirdupois. It may be necessary to reduce the fraction of ounces to grains; 437.5 (the number of grains in an ounce) multiplied by .38 equals 166 grains.

If double violets are to be fumigated the cubic contents would be multiplied by .15, thus: 4,646 multiplied by .15 equals 696.9 grams, divided by 28.35 equals 24.58 ounces avoirdupois; .58 ounce equals 253 grains. In the case of a small space of less than 150 cubic feet the dose in grams should first be determined, and this, if necessary, can be changed to grains by multiplying the number of grams by 15.43 (grains in a gram), thus: 30 (cubic feet) multiplied by .15 grams equals 4.5 grams, multiplied by 15.43 (grains in a gram) equals 69.435 grains, or approximately 69.5 grains. The reduction to ounces or grains will not be necessary if metric weights are used, which is strongly urged. When the dose for certain plants in a given house, frame, or box is once obtained, it should be carefully recorded on the house or box thus: "Contents: 1,015 cubic feet. Ferns, .075 gram per cubic foot equals 76.1 grams. Violets, double, at .15 gram per cubic foot equals 152.25 grams." If a scale weighing with avoirdupois weights is used, the dose should be recorded in ounces and grains. Care should be taken to select a night when the houses can be ventilated the required time without injury to the plants and when there is no likelihood of rain.

PREPARATION OF THE HOUSE.

On account of the very poisonous nature of the gas, it is necessary to arrange a number of ventilators, the more the better, so that they can be easily opened from the outside. It would be very dangerous to enter the house while it contains the gas. All broken glass should be replaced and holes stopped up; a thoroughly wet piece of newspaper will close a crack effectually or take the place of a broken glass if necessary. It is best not to permit the gas to get into fire pits or engine rooms; these should be cut off from the space to be fumigated.

In case of a large range of houses opening into each other, it is best to separate them into several sections, by tacking up building paper or oiled cloth so that each section may be fumigated separately and at different times. The work may thus be done with great ease and care, and with less danger to the plants. Great care must be exercised to have the foliage of the plants to be fumigated perfectly dry. Leaves or stems which have moisture on them will be injured. The temperature of the houses should be about 60°. The gas is more active and more likely to injure the plants at high temperatures.

METHOD OF MAKING THE GAS.

The materials required are 98 per cent cyanide of potassium, broken into small lumps, best secured in 10 or 25 pound cans at 30 to 40 cents a pound, and commercial sulphuric acid at three to four cents a pound by the carboy.

For an ordinary house or frame, good vessels for liberating the gas are 1½ or 2-gallon earthen jars of as small diameter as possible so as to insure the immersion of the cyanide of potassium when it is dropped into the acid. One jar should be used to about every 25 feet in length of such houses as described, in order that the gas may be quickly distributed when set free. When the jars are placed in position the next step is to arrange to lower paper bags containing the desired amount of cyanide into the jars, from the outside. This is best done by passing a cord through a hook or screw-eye attached to the roof over each jar in such a manner that when the string or strings are loosened from the outside the bags of cyanide will be lowered into their respective jars, as shown in fig. 3. When the strings are ready, divide the amount of cyanide to be used into parts corresponding to the number of jars. Wrap each part up in a single thickness of ordinary newspaper and put in ordinary brown paper bags, and attach the bags to the strings, as shown in fig. 3. While the jars are empty test the arrangement to see if it works satisfactorily. After each bag is suspended in place, the other end of the string securely fastened where it can be reached from the outside, and the arrangement tested, move the suspended bags to one side so they will be out of the way while putting the water and acid in the jars. When this is done, pour into each jar an amount of water about equal to the bulk of the potassium cyanide in the bag. Eight ounces of cyanide will require about half a pint of water. The sulphuric acid should then be poured in until steam rises from the water. This would require for a pint of water about a pint and a half of acid. It is not necessary, however, to measure the acid, as the evolution of steam indicates when the right amount has been poured in. Always put the water in first and then pour in the acid. As soon as this is done place the bags over their respective jars. When all is ready, go out, close the door, and carefully loosen the strings, allowing the bags to settle into the acid.

While the method just described is desirable for a large house or series of houses from which exit would be difficult after dark, it is not necessary to go to the trouble of lowering the cyanide into the acid by strings in most cases. When the jars containing the water and acid are properly placed, the cyanide in the paper sacks, as previously described, may be set beside the jars; then the operator, starting in one end of the house, may carefully drop the bag into the water and acid, coming out the other end of the house. If there are two sets of jars in different paths, it will be necessary for two operators to start, one in each path, working in the same direction, at

FIG. 3.—VIOLET HOUSE PREPARED FOR FUMIGATION.

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about the same rate of speed. In this way the cyanide can be placed very quickly and easily in quite a large series of jars, taking care that no cyanide is placed in a jar in such a way as to cut off the exit from the house of any operator. This method of hand dropping is now the one most largely used. The gas will very soon be given off and fill every portion of the house. It is colorless and smells and tastes like peach pits. A little of it is harmless, but too much will cause death. A small quantity will leak out of the house; avoid positions where it can be smelled.

The time of exposure should be reckoned from the lowering of the cyanide into the jars. When the proper time has elapsed, varying for different plants as previously stated, quickly open the ventilators from the outside, so that the gas can escape as rapidly as possible. It will all be gone from a large house, such as described in this circular, in half or three-quarters of an hour, and the ventilators may then be closed, if necessary. Next morning the material left in the jars should be emptied into a hole and buried. It is nothing but sulphate of potash, sulphuric acid, and water, having a little hydrocyanic acid gas in solution. The latter will soon disappear and the sulphuric acid will unite with lime in the soil, forming gypsum.

FUMIGATING BOXES.

For the purpose of experimenting and where only a few hundred plants are to be treated, a tight box may be made of 30 to 50 cubic feet capacity. The box should be as nearly airtight as possible, with a removable cover and a small door at the bottom for introducing the cyanide of potassium into the bowl containing water and sulphuric acid, as shown in fig. 1.

The wire trays shown in the same illustration are used in fumigating cuttings of coleus or other plants. When desired the trays can be removed and pot plants set in the box and given such fumigation as desired. To prevent injury to the plants they should be so set that the foliage does not come within 18 inches of the bowl near the small door. When the plants are arranged the top is put on securely and a little water is poured into the bowl, and then sulphuric acid is added till steam is formed. The necessary amount of cyanide, wrapped in a small piece of newspaper, is then dropped into the bowl and the little door quickly closed. When the desired length of time has elapsed, take off the cover and open the door and retire, so as not to breathe the gas. In a few minutes the gas will have sufficiently escaped so that the plants may be taken out and others treated in the same way. Injury (if there is any) to the plants may not show for two or three days, so, in the case of experimenting, conclusions should not be hastily drawn. The box may be used in the daytime if the work is done in a cool place. For experimental purposes and treating plants on a small scale, a small greenhouse containing 1,000 cubic feet, or less, is better than a box, as the results obtained with it are more reliable and there is less danger of injury to the foliage.

CONDENSED DIRECTIONS.

Carefully determine the cubic contents of the house and the amount of cyanide of potassium to use.

Make the house as tight as possible.

Arrange so that the ventilators can be opened from the outside.

Place the jars and strings in position.

If the potassium cyanide is to be dropped into the jars by hand, place the package beside each jar; then a man for each separate group of jars should start at one end and work towards the end from which quick exit can be made. After proper exposure open ventilators, etc.

After dusk attach the bags containing the cyanide to strings, as described, and find if they work correctly.

Hang the bags to one side and put water and acid into the jars; arrange protection and put the bags in place again.

When all is ready lower the bags into jars by loosening the strings from outside.

After the proper exposure open the ventilators from outside, leaving them open from 30-45 minutes before entering the house.

Next morning bury contents of the jars.

The foliage must be perfectly dry.

CAUTION.

It should be remembered that hydrocyanic-acid gas is one of the deadliest poisons known, fatal to human beings and plants, as well as to insects. Greenhouses which are within 50 to 75 feet of dwellings should not be fumigated unless the windows and doors of the latter on the side next to the greenhouse can be closed during the operation.

It is essential that the exact proportion of cyanide be used at the rate designated for each cubic foot of space and that the exposure should not exceed the limit ascertained by experiments as appropriate to the plants to be fumigated. A greater strength of gas or a longer exposure than specified is apt to result in injury to the plants. It is best to use this method at first experimentally on a small scale before attempting the fumigation of an entire greenhouse, and a preliminary test should always be made in case plants of a species or variety not previously fumigated are to be treated.

To Be Done Now.

IN THE GREENHOUSES.

Get the chrysanthemum benches ready before the young plants get hard in the pots.

Pot up bouvardias from late struck cuttings and harden off the older plants preparatory to planting outside.

That beautiful vine Cissus discolor must have plenty of heat, light and moisture to bring out the color in the foliage.

Pot up cut back coleuses and pinch the young stock to produce a bushy habit.

Propagate winter flowering geraniums. The old F. V. Rasfail is still one of the best scarlets.

Keep Odontoglossum grande a little on the dry side now and do not repot until the young growth starts and is about to start rooting.

Keep cobeas, maurandias, thunbergias and other vines well apart and pinch if necessary to prevent their running into each other.

Propagate the best forms of double primula by hilling up and division now.

Stop the shoots of double petunias occasionally and do not allow them to flower until a good foundation for a bushy plant has been laid.

IN THE STORE.

Look up details of last year's Decoration day trade to get an idea of what will be needed.

Advertise the fact that you are able to take care of graves and provide fresh flowers or plants for the purpose. As a side line at a quiet time this work is not to be despised.

Purple iris and bronze galax leaves are fine in combination for funeral designs.

Show good bedding plants, if any; a few untidy boxes of plants littered about and often dried up are a poor recommendation.

Give customers the benefit of cheap stock when possible, but do not be in too much hurry to mark up low prices.

Good peonies attractively arranged are among the most showy and satisfactory flowers for a display now.

OUTDOORS.

Plant out young hollyhocks in rich, well cultivated soil, giving them ample room.

Make notes of the tulips and other bulbs that made the most satisfactory display, for reference in autumn.

Plant tritomas in good, well manured quarters, both for cutting and for a display in the border.

Thin the early beets and transplant thinnings where necessary to complete the rows.

Echeverias and the hardiest of the bedding stock may be planted now, but leave the tender varieties until June 1.

Sow English wallflowers and Alyssum saxatile in drills so that the young plants can be kept free of weeds.

Propagate primroses and forgetmenots by division as soon as the flowers are past their best.

Plant out dahlias in a sheltered position where protection can be given if necessary.

Use great care in pricking up the borders devoted to herbaceous plants. Much damage is often done to the young shoots by careless help.

Twenty Years Ago.

MAY, 1888.

All that was needed to grow roses, it was said, were good soil and intelligent attention 60 minutes an hour for 365 days in the year by skilled men.

An "international" pansy test was made by Denys Zirngiebel, of Needham, Mass.

Dr. Talmage was preaching about "The Good in Fowers," saying they were almost human.

Spring was much later than usual.

The Himalayan greenhouse rhododendrons were becoming popular.

Oiling the inside of heating pipes by putting a gallon of oil in the feed tank and drawing off the water was recommended by an old boiler maker.

"Bill Nye" was writing delicious humorous skits on gardening and the seed trade in the New York World.

"Twenty-five cents worth of smilax to decorate a church" was one of the orders received by a Canadian florist at Easter.

"Floral Guide and package of flower seeds containing 500 varieties" was the offer made by a Pennsylvania seedsman to all who sent two cents.

Black spot in roses was obtaining a good deal of attention at Purdue university the results of the experiments being published in the AMERICAN FLORIST.

Corsage bouquets for wear on the street were not considered good form in New York.

Papier mache vases for lawn decorations were in demand for garden parties.

Dishonest post office employes were responsible for much trouble to Chicago florists.

Palms from the tropics were interfering with the trade in domestic and European produce.

Prize Money Dispute

An English contemporary reports that the Leeds Paxton Society was recently sued by an exhibitor at one of its shows for the sum of £3 1s. 6d., being the amount of prize money which had been awarded to him at the show for an exhibit of cauliflowers, but which the society withheld on the ground that the exhibit had been disqualified on the ground that the produce shown had not been grown by the plaintiff. A clause in the rules of the society was that if any matters arise not dealt with in these rules the committee has full power to deal with same, their decision to be final. Counsel for the defense raised a legal point, urging that this rule put the case outside his honor's jurisdiction. The plaintiff had had his trial—before the committee. His honor upheld the objection, and a verdict was given for the defendants.

OBITUARY.

James J. Rogan.

James J. Rogan died May 15, aged 73 years. The deceased at the time of his death was in the employ of the Robt. Craig Co., Philadelphia, Pa. where for the past eight years he had charge of the propagating department. He was born at Bandon, County Cork, Ireland, in 1844, and came to America in 1870, first working at John Dick's nursery and greenhouses, Philadelphia. Eight years later he started in business for himself at Tenth and Federal streets. After 10 years he sold out and was foreman for John Shellem, leaving the latter place to engage with the Robt. Craig Co. Mr. Rogan was of kind and genial disposition, a man beloved by all his associates. He was well up in the business, being a most careful and successful propagator.

K.

Howard L. Courtney.

Howard L. Courtney, one of the directors of the Dingee & Conard Co., West Grove, Pa., died May 10 at the age of 35 years. His death followed a lingering illness of consumption, from which he suffered many months, gradually growing weaker, until death came when surrounded by his relatives and family. Hoping to recover his health and by the advice of his physician he had spent the late winter months at Asheville, N. C., but growing no better returned to West Grove in March. Since then he had not resumed his active duties.

Deceased had been a resident of West Grove for 16 years and entered the employ of the above firm in 1902. He always took a deep interest in public affairs and was greatly esteemed by all of whatever creed or political opinion. He was also a prominent Mason, and the interment of his body was carried out at Union Hill under Masonic ritual. There was a large number of beautiful wreaths and other floral devices.

William Scott.

Wm. Scott, the oldest florist in Buffalo, N. Y., in point of years in the business, died at his home in that city May 19. He had been poorly in health for some considerable time, but it was not until May 8 that his illness became very serious. Mr. Scott was born July 31, 1844, at Leigh Park, Hampshire, Eng., and attended a private school until he started work soon after his thirteenth year. Progress in his chosen profession was so rapid that he had charge of several greenhouses when he was 15 years of age. Later he was engaged with his father at Chichester, in the nursery and seed business, and also with W. H. Rogers, of Southampton.

In 1868, with his brother, David, and E. I. Mepsted, now of Ottawa, Ont., he embarked for America. After investigating different parts of Ontario he came to Buffalo, and was engaged by Geo. Bailey, who then had a large private place, and remained with him until 1876, when he rented the premises and conducted a general florist business until he bought the present location of the Wm. Scott Co., where he built up one of the largest floral establishments in Buffalo, embracing floriculture in every branch from rose and carnation growing to the culture of bedding stock and store work in every detail. His increasing business compelled him to seek a larger place for the greenhouses, and about 10 years ago he bought the property in Corfu, N. Y., about 25 miles from Buffalo, where he built a number of modern houses to supply the city trade.

Mr. Scott was not only a florist and grower of everything in the flower line, but was one of the most versatile and voluminous floricultural writers in this country, his best work in this line appearing in the earlier volumes of the AMERICAN FLORIST. His "Seasonable Hints" epitomized in the American Florist Co.'s Trade Directory of 1896, have been freely plagiarized, but it is always easy to distinguish between the original and the imitation. He had an inexhaustible fund of humor and this was used freely in all his writings and addresses, for he was a brilliant and fluent speaker.

Mr. Scott was a member of the different trade organizations and held the office of president of the Society of American Florists in 1896. He was an ex-president of the American Carnation Society, Buffalo Florists' Club and many kindred associations. In 1871 Mr. Scott married Miss Christina Slick, who was his greatest aid in the early years of his business career. He is survived by Mrs. Scott and six sons, all of whom are engaged in the business of the Wm. Scott Co., and one daughter, Miss Helen Scott.

The Late William Scott.

Mr. Scott had never taken an active part in politics, but was always interested in the welfare of Buffalo. His appointment as superintendent of horticulture of the Pan-American exposition was one of numerous indications of the high esteem in which he was held by his many friends. His loss to Buffalo and the community at large is irreparable, and horticulture has lost one of its most brilliant exponents.

Telegram From President Traendly.

It is with deep regret that I learn of the death of our late ex-president, Wm. Scott. It was such men whose contributions in an educational as well as a social way made the Society of American Florists the great horticultural society it is today.

From Ex-President Robt. Craig.

Sad news, indeed, from Buffalo today. Wm. Scott has passed away, the once bright light in horticulture has gone out. What a fine all around knowledge of his business he had and what an able and attractive way he had of imparting his knowledge, honest, manly, frank, candid, generous, gifted Wm. Scott.

From Ex-President Wm. F. Gude.

One of the ablest men that ever graced our calling.

From Ex-President E. G. Hill

The trade has lost one of its most brilliant minds, and one of its best beloved members. Everybody liked Wm. Scott and it was his happy lot to look into smiling faces, the reflection of the good humor in his own. Since his illness we have missed him from our gatherings, and with deep regret we realize that he is gone from earth; he will live long in the memory of the present generation of florists.

European Horticulture.

FROM THE GERMAN TRADE PAPERS.

AMERICAN CARNATIONS ABROAD.—Germany seems to be taking a course of instruction from across the channel in the culture of American carnations. The subject is treated in a proficient manner along practical lines in a series of articles written by a grower in England. If so far German carnationists found themselves unable to attain that degree of success in their efforts to grow the American carnation that marked its advance in Great Britain, want of interest in what is taking place has not been the cause. But it seems unlikely that they would ever draw nearer to success with these varieties by adhering to modes of cultivation practiced for generations in growing their own kinds. On the other hand, owing to climatic conditions prevailing in Germany, the necessity of modification in cultural methods, as employed by English and American growers, becomes obvious. The author in his treatise, well aware of this handicap, comes to the assistance of his German brethren by pointing to ways adopted with best results by growers in various sections of Europe placed at disadvantages not unlike theirs. He suggests early propagation, pot culture in preference to benching, all indoor instead of partial field culture and moderation in the application of stimulating aids in any form during winter. At some length he describes the kinds of soils used and the benches as constructed in America for the growing of carnations under glass, expressing his doubts as to the practical value of sub-irrigation, as there practiced, believing it to be merely another instance of playful amusement frequently indulged in by American millionaire cut-flower growers.

CALLAS IN RUSSIA.—A distinguishing trait of all classes of people throughout the Russian empire is an ardent love for flowers and floral display. Owing to a remarkable predilection for callas these pseudo-lilies rank foremost among high grade cut flowers. Formerly florists depended for their supplies in this particular line on regular shipments from distant districts beyond the border. Considering the high duty on all imports of this character, the great specific weight of calla flowers and how easily they are damaged in transit, it is not to be wondered at that efforts were being made of late by Russian growers to meet the demand by home production. But it seems strange that they should have failed in their object by the adoption of modern methods, as now universally employed in mass cultures, while, on the other hand, a return to primitive ways, reluctantly resorted to in a last hope of accomplishing their end, appears to have brought them much nearer the coveted mark, as latest reports from St. Petersburg seem to imply. Calla roots are planted out in the field, grown into sturdy plants by the middle of September, and are then potted up, placed in frames, kept close for a fortnight and finally removed to sash-houses before frosts occur. Here in a temperature of about 50° the plants flower continually from October until April From then on water is afforded more sparingly but is never entirely withheld to prevent dying of leaves and shrinking of roots. Their being again planted in the open marks the beginning of a new cycle, repeated from year to year.

THE AMERICAN FLORIST

1885 TWENTY-THIRD YEAR. 1908

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When sending us change of address always send the old address at the same time.

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We do not assume any responsibility for the opinions of correspondents.

Eastern Representatives:
A. F. FAULKNER 1133 Broadway, New York.
ROBT. KIFT, 1725 Chestnut St., Philadelphia, Pa.

THE AMERICAN FLORIST,
324 Dearborn St., CHICAGO.

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Onions as Irrigators.

While it is unquestionably true that irrigation water in general must come from wooded mountain slopes, it appears this is not absolutely the only source. A farmer in Ohio has made a discovery that will be of vast importance to farmers during a dry season. He has found that when onions and potatoes are planted in the same field in alternate rows the onions, being so strong, bring tears to the eyes of the potatoes in such volumes that the roots of the vines are kept moist and a big crop is raised in spite of the drought.

A RESTING period is probably natural for Asparagus plumosus.

"STOPURKICKEN," is the prosperity motto of the national grocer's association.

THE old ground or Clifton ivy (Nepeta Glechoma) is a pretty basket plant when well grown.

THE activity of the horticultural inspector and sprayer is a healthy sign of the times.

WHY Anglo-American carnations when referring to varieties raised in the United States?

IT is cheaper to build a shed than a greenhouse and greenhouses need not be used for potting sheds.

A FLOWER show is to be held in August under the auspices of the Horticultural Society at Calgary, Alberta.

WHITING and starch, in the proportion of three to one is recommended as a good basis for making liquid shading.

ROOF GARDENS as playgrounds for the children in the west side schools at Chicago are suggested by the board of education.

IF Wizard Burbank would achieve immortality let him graft the constitution of the dandelion on some useful but tender vegetable.—Chicago Tribune.

PRICES for greenhouse glass still rule low, and glass jobbers say that those who contemplate building can do no better than to buy quick, as prices may go up any time.

WM. SCOTT, of Buffalo, N. Y., one of the foremost in building up the great industry of American floriculture, passed away at his home May 19, as recorded in the obituary column in this issue.

THE prominence being given to the Arbor day movement in the schools all over the United States cannot fail to be of benefit to horticulture, and florists and nurserymen should aid all they can.

W. A. HASTINGS, representing A. H. Hews & Co., Inc., has visited Ohio, Missouri, Iowa, Michigan, Illinois, Wisconsin, Minnesota, Indiana and Kentucky since January 1, and reports the trade in those sections as universally interested in the National Flower Show and already planning to attend same.

THE frequent warnings now appearing in the press respecting the destruction of the trailing arbutus and other beautiful wild flowers should have a good effect, but, owing to its habit, the beautiful Mayflower is doomed unless stringent regulations are made to protect it by property owners.

THE SANDERS LIBRARY.—The Horticultural Society of Chicago and the Florists' Club of that city, both of which were offered the valuable horticultural section of the library of the late Edgar Sanders, missed a golden opportunity in not accepting what is believed to be the best private library of this character now in existence on the American continent. When Mrs. Victor, daughter of Mr. Sanders, found that neither of these organizations would accept the books they were presented to the John Crerar library at Chicago, where we understand they will be housed hereafter.

National Council of Horticulture.

We have received the ninth and tenth installments of the press service of the National Council of Horticulture, distributed by J. H. Burdett, One-hundred-and-fourth place, Chicago. As usual the articles are of a varied and useful character, the titles of which follow: Ninth installment, "Bellwort," "Salsify," "Deutzias," "Kale." Tenth installment, "Hardy Chrysanthemums," "The Mulberry," "Hybrid Perpetual Roses."

Society of American Florists.

CENSUS COMMITTEE.

President Traendly has appointed P. O'Mara Jersey City, N. J., J. A. Valentine, Denver, Colo., and Albert T. Hey, Springfield, Ill., as a committee to co-operate and advise with the census department regarding matters relating to ornamental horticulture in the approaching U. S. census.

STATE VICE-PRESIDENT.

President Traendly has appointed John L. Parker, of Birmingham, Ala., as state vice-president for his state.

W. N. RUDD, Sec'y.

Number of Persons in the Trade.

In a recent issue of the Crop Reporter, which is published by the authority of the secretary of agriculture, there is a report on the number of persons engaged in the chief agricultural pursuits from 1870 to 1900, from which we find that in 1870 the gardeners, florists, nurserymen, etc., numbered 33,632; 1880, 56,032; 1890, 72,601; 1900, 61,788. The report goes on to say:

"The figures of the census show a continuous increase from 1870 to 1890 and a decrease between 1890 and 1900. The explanation is that in the census of 1900 wage laborers employed in gardens, nurseries, etc., when returned as 'gardeners,' 'florists,' 'nurserymen,' etc., were not set down as such, but were assigned to the category of laborers, whereas in the previous censuses their description of themselves as 'gardeners,' 'florists,' etc., appears to have been accepted."

Various Classes of Roses.

ED. AMERICAN FLORIST:—

Please define a tea rose, a hybrid tea and a hybrid perpetual. How often do the different classes flower in a season? X. Y. Z.

The teas are a class of more or less dwarf roses that, owing to the resemblance, real or fancied, of their fragrance to tea were called "tea-scented" roses and this has been abbreviated to "tea." They are an extremely free flowering race that continues to bloom right along from side shoots and stems springing from the base. Well known examples of this section are Bride, Bridesmaid and Safrano. Hybrid teas are roses that have been originated by crossing teas with other classes of roses. Madame Testout is a well known example. Hybrid perpetuals usually flower upon the apex of growth only, though some varieties flower with comparative freedom from side shoots. They are not so constant as the classes with which we are comparing them but make a grand show outside in June and July. They were formerly much grown for cutting, but the teas and hybrid teas have taken their place. General Jacqueminot, Ulrich Brunner, Paul Neyron and Frau Karl Druschki are well known examples of this class. G.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Every paid subscriber to the AMERICAN FLORIST for the year 1908 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—Single man, good grower of roses, carnations and general stock. Retail place preferred. Key 545, care American Florist.

Situation Wanted—By German, married, 36; capable of taking charge of any size private or commercial place. H. GRAUE, 418 N. Perry St., Johnstown, N. Y.

Situation Wanted—By young man 19 years old 2 years' experience in growing carnations and bedding plants. Texas or Oklahoma preferred. CARLISLE GORMAN, 681 N. Broughton St., Sherman Texas.

Situation Wanted—By sober industrious young man with five years' experience would like position as carnation grower; references furnished; address A. M. MYHRE, Drawer O, Hastings, Minn.

Situation Wanted—By young German; good designer and decorator; Wisconsin or other western state preferred; steady and reliable; good references. J. S., care American Florist, 1133 Broadway, New York.

Situation Wanted—By a first-class German florist, designer and decorator; London and New York experience; best references; state in first letter, wages and particulars. Address Key 537, care American Florist.

Situation Wanted—By all-around greenhouse and storeman; expert grower designer decorator. 18 years' experience; 6 years in last place as foreman. Don't use liquor; west preferred; state wages. Key 544, care American Florist.

Situation Wanted—As working foreman as grower of roses, carnations, 'mums, violets, bulbs and general stock; has a thorough knowledge of the business in all branches; has 40 years' experience in England and America; age 54, single. GEO. MORRIS, Hudson, N. Y.

Situation Wanted—Working foreman and manager, 35 years of age, German single, hustler strictly sober, intelligent, good education, 22 years' practical and theoretical experience in roses, carnations, ferns, 'mums, violets, bulbs, bedding plants, fancy Xmas, and Easter plants, design, decorating, landscape; good references as working foreman; disengaged June 1; good wages expected. Key 501, care American Florist.

Situation Wanted—As working foreman in commercial or private place by good practical experienced grower and propagater of roses, carnations, 'mums all cut flowers and every line of pot and bedding plants; designer, decorator, landscape gardening, vegetable grower, etc.; sober, steady, not afraid to work; 29 years' experience in America and Germany; German, married, age 43, best of references, please state particulars in first letter. Address Key 532, care American Florist.

Help Wanted—A man to work in rose sections; state wages without board. Apply COLE BROS., Peoria, Ill.

Help Wanted—A rose grower at once; wages $15.00 per week; also helper wanted. WM. DITTMANN, New Castle, Ind.

Help Wanted—Man for rose section; man for carnation section and one good 'mum grower. Address WILL BROTHERS, P. O. Box 29, Minneapolis, Minn.

Help Wanted—Good grower of general greenhouse stock and bedding out plants; German preferred; apply at once; state wages with board in first letter. Address Key 541, care American Florist.

Help Wanted—Young man as working foreman to take an interest in an established greenhouse business. Only small capital required. Correspondence invited. Address Key 530, care American Florist.

Help Wanted—A first-class designer, decorator and storeman; state reference and salary expected; permanent position and chance for advancement to right person; location middle West Address Key 540, care American Florist.

Help Wanted—At once, working foreman with good general knowledge of 'mums, greens and bedding stock to take charge and run 25,000 feet of glass; married man preferred. Must have experience and be capable of producing results. Address with full particulars. A fine chance for the right party. A. M. CAMPBELL' Swarthmore, Pa.

Help Wanted—A young man as farm manager, who has had experience in seed-growing and the growing of bulbs, hardy perennials, etc.; a good opportunity for a man who is willing to start in a reasonable way with a view to future development and advancement. Give full particulars, naming references and previous experience. Address P. O. Box 330, Richmond Va.

Partner Wanted—Florist with $5,000 cash, more or less; can become part owner of established modern greenhouse business. Address G. F. MORRIS, 310 Ashland Block, Chicago.

For Sale—An elegant 8-foot florists' refrigerator; good as new; will sacrifice if sold soon. E. J. PERRY, Greensburg, Pa.

For Sale—27,000 feet of glass; filled with first-class stock; located in one of Chicago's suburbs; low price. Address FLORIST, 4016 N. Clark St., Chicago.

For Sale—A bargain for a good florist stand and store opposite Woodland Cemetery; with full line of confectionery; also greenhouses of 10,000 feet of glass; offered after July 1, for $1,500. HENRY EICHOFF, 6818 Woodland Ave. S. E., Cleveland, O.

For Sale—Greenhouses and stock; about 20,000 feet of glass, well stocked with all kinds of bedding plants, ferns, palms and cut flowers; for terms inquire of Mrs Hugo Book, College street, Worcester, Mass., or L. Midgley, Worcester Conservatories, Worcester, Mass.

For Sale—At sacrifice, good paying retail florist's business, consisting of two lots, 4,500 ft. of glass; houses well stocked with bedding plants and carnations; store with living rooms and 7-ft. basement, in very heart of thriving residence city of 10,000 inhabitants; 45 miles from Chicago. Give immediate possession. Price, $4,500; $2,000 cash and balance on time to suit purchaser. Key 525, care American Florist.

FOR SALE.

Six Greenhouses Thoroughly Up-to-Date:

One 8x100 One 15x65 Two 24x100
One 14x100 One 8x50

Hot water heating. Packing shed. Barn for 5 horses.

Two story 11 room residence — attic — brick foundation. Land 1½ acres.

In the best wholesale market in the West. $12,000 on time. A bargain for cash.

Address Box 775, Milwaukee, Wis.

Section Foreman Wanted.

We want a foreman for brand new rose section and will pay a good salary to the right man. Must be a first-class grower, reliable and competent in every respect. We want him right away and can offer a good position to an energetic man. Address

Key 546, care American Florist.

WANTED.

A first-class grower of roses and carnations; one who has a thorough practical knowledge of growing; willing to pay $20.00 to a good man; must be sober and industrious.

Key 543, care American Florist.

WANTED.

A first-class grower of miscellaneous stock; one competent to manage help and grow potted plants for a retail store; none but a sober industrious man need apply. Willing to pay $18.00 for a good man. Address

Key 542, care American Florist.

Nicholson's Dictionary of Gardening.

FOUR VOLUMES, $20.00.

An Excellent Work of Reference.

Key 539, care American Florist.

OPENINGS FOR SEEDSMEN.

Wanted two good bright men capable of earning $1,000 per year each, that are well versed in the seed business. One that has had a great deal of experience in garden seeds and some in field. Another that has had considerable experience in grass and field seeds and can take charge of shipping department and act as general foreman around warehouse. When answering, state your age, number of years experience and with whom.

Key 526, care American Florist.

All Specialties

For Garden Parties, June Weddings and School Exercises should be offered now.

Also surplus stocks of Bedding Plants, Window Box Plants, Plants for Vases.

All kinds of Good Stock
Sell Readily when offered

The American Florist Readers.

Ready Reference Advertising 10 cents per line—seven words to the line. : : :

PLEASE MAIL YOUR ADVERTISEMENT NOW.

LET US HAVE YOUR ORDER FOR

Decoration Day

We are in extra heavy crop through our whole place

Roses, Carnations, Valley, Greens and Other Stock

FROM 1,500,000 FEET OF MODERN GLASS.

DECORATION DAY PRICE LIST

RED	Per doz.
American Beauty, long stems	$ 4.00
30-in. stems	3.00
24-in. stems	2.50
20-in. stems	2.00
15-in. stems	1.50
12-in. stems	1.25
Short stems	$ .75 to 1.00

	Per 100
Richmond, Liberty	$ 4.00 to $ 8.00
WHITE—Bride, Ivory	4.00 to 6.00
YELLOW—Perle	4.00 to 6.00
LIGHT PINK—Uncle John, Golden Gate	$ 4.00 to $ 6.00
PINK—Mme. Chatenay	4.00 to 8.00
Bridesmaid	4.00 to 6.00
Mrs. Marshall Field, Killarney	6.00 to 10.00
COPPER COLOR—Sunrise	4.00 to 6.00
Roses, our selection	4.00
Carnations	4.00
Easter Lilies	8.00 to 12.00
Callas	8.00 to 12.00
Valley, fancy	3.00 to 4.00
Extra Fancy Asp Plumosus, per bunch	.50 to .75

PETER REINBERG,

51 Wabash Ave., CHICAGO.

JOHN P. SCHERER,

Telephone 328 L Union.

636 Gardener St., UNION HILL, N. J.

SMILAX, FERNS, PALM LEAVES and all kinds of GREEN GOODS.

Sphagnum Moss and Cedar Poles.

Moss, 5 barrel bale, $1 25; 2 bales, $2.25; 5 bales $5.00; 10 bales, $9.50. **Poles,** 2-in butt, 8 ft. long, $15.00 per 1000; 2½-in. butt, 10 to 12 ft. long $22.50 per 1000; 1½-in. butt, 5 to 7 ft. long, $10.00 Cash

H. R. AKERS, Chatsworth, N. J.

Fancy and Dagger FERNS $1.75 per 1000

Discount on large orders.

New Crop Galax, Bronze or Green, $1.25 per 1000: 10,000, $7.50 **Wild Smilax,** 50-lb case, $6 00.

Sphagnum Moss, large bales..... $1 25

Leucothoe Sprays.....$1.00 per 100: 1000 7 50

Boxwood..... 35c per bunch: 50 lbs. 7.50

Florists in the Middle and Western States can save money by placing their fern orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

WHOLESALE COMMISSION FLORISTS,

38-40 Broadway. All Phone Connections. DETROIT, MICH.

Pittsburg.

MARKET OVERSTOCKED.

After a very nice spurt of business which lasted about two weeks the market has again quieted and the big lot of stock coming in seems difficult to move. Carnations of fine quality go begging for buyers, roses being in somewhat better demand. Lilies are again moving nicely but there are not very many of these on the market at present. Blushing Bride gladiolus is a pleasing addition to the market. Peonies are still scarce and of poor quality although the indications are that we will have plenty of them for Memorial day. Nearly all the carnations are in the field now.

A dinner was tendered former Superintendent Hamilton of the Allegheny parks at McCartneys May 20, the local florists having charge.

Elmer Jolliff of the Florists Exchange was away most of the week attending the funeral of his cousin at Morgantown.

W. B. Ague has opened a store at Penn and Negly avenue, and W. L. Davis has opened on Homewood avenue.

The McKeesport Floral Co. had a grand opening May 16 giving away thousands of roses and carnations.

Special Offer for 10 Days

Nice fancy **FERNS** 85c per 1000. Good **Dagger Ferns** $1.00 per 1000. New crop **Dagger Ferns,** $1.50 per 1000. **Galax,** Green and Bronze $1.00 per 1000: case lots, 10,000, $7.50. 50-lb. cases **Wild Smilax** $6.00. **Leucothoe Sprays,** bronze or green, 40c per 100. **Ground Pine,** 5c per lb. or 5c per yd. **Pine** and **Laurel Wreaths,** for decoration use: Pine, $1.50 per doz., Laurel, $2.50 and $3.00 per doz. Send your order early for your decoration use. **Laurel Festooning,** 4c., 5c. and 6c. per yard; made daily fresh from the woods.

Boxwood, No. 1 quality $8.00 per case, 50lb. Telegraph Office, New Salem, Mass. L.D. Phone Conn's.

CROWL FERN CO., Millington, Mass.

E. A. BEAVEN

Southern Wild Smilax,

Log Mosses,

Natural and Perpetuated—at Wholesale,

EVERGREEN, ALABAMA.

M. Shattles, New York, and E. Fancourt, Philadelphia, were in town May 19, pushing chiffons.

P. J. Demas has returned from a business trip east as far as Connecticut.

A son was born to Geo. Blind May 17.

J.

George Cotsonas & Co.

Wholesale and Retail Dealers in all kinds of

Evergreens.

Fancy and Dagger Ferns. Bronze and Green Galax

Phone 1202 Mad. Sq.

Main Store. 50 W. 28th St. NEW YORK.

THE KERVAN COMPANY,

113 West 28th St., NEW YORK.

Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves Galax. Leucothoe. Ferns, Mosses and all Decorative Evergreens.

DECORATION DAY LIST

For Decoration Day We Shall Have an Immense Stock of Beauties and Roses.

Our plants, being mostly grafted and planted in solid benches, are now in their prime, and giving a full crop of very large, solid flowers, are away ahead of the flowers cut from plants on raised benches.

AM. BEAUTIES.	Per doz.
Extra long	$3.00
20 to 24 inch	2.00
15 to 18 inch	1.50
8 to 12 inch	1.00
Shorter stems	$ .50 to .75

KILLARNEY and RICHMOND.	Per 100
Long and select	$ 0.00
Good average lengths	$7.00 to 8.00
Medium lengths	6.00
Short lengths	4.00

KAISERIN, MAID, BRIDE and PERLE.	
Long and select	$8.00
Good average lengths	6.00
Medium lengths	5.00
Short lengths	4.00

CARNATIONS.	Per 100
Pink, White, good to fancy	$4.00
Fancy, long, Red O. P. Bassett	5.00

SWEET PEAS, pink and white, per 100	$ .50 to $1.00
LILY OF THE VALLEY, per 100	3.00 to 4.00
ASPARAGUS, per string	.30 to .40
ASPARAGUS SPRAYS, per 100	2.00 to 3.00
SPRENGERI, per 100	1.50 to 2.00
SMILAX, extra fine, per doz	1.50
ADIANTUM, per 100	1.00
GALAX, green and bronze, per 1000	1.25
FERNS, per 1000	2.00

Bassett & Washburn,

GREENHOUSES: HINSDALE, ILL.

Office: 76 Wabash Ave., CHICAGO.

HENRY M. ROBINSON & CO.

15 Province St., 9 Chapman Place, BOSTON, MASS. TELEPHONE: 2618-2619 Main.

New Crop Hardy Dagger Ferns, Extra Fine Quality, **$2.00 per 1000**
Bronze and Green Galax, $1.00 per 1000; $7.50 per case 10,000; Bronze, $8.50
Bouquet Green, $7.00 per 100 lbs. Boxwood, $18 per 100 lbs.
Sphagnum Moss, Laurel Festooning and Leucothoe Sprays

MEMORIAL DAY FLORISTS' SUPPLIES

of all kinds, such as Milkweed, Cape Flowers, Immortelles, Cycas Leaves, Ribons, Cut Wire and Wire Designs and all kinds of letters.

Order Early—Owing to the late spring the supply of **Ferns** will be limited.

CUT FLOWERS FOR MEMORIAL DAY

We have **Roses** (all kinds). **Carnations, Lilies. Spireas. Stocks, Cantytuft, Lilacs.**

IN ANY QUANTITY. Sprengeri, Plumosus, Adiantum.

Orchids, Gardenias, Valley (special only), **Sweet Peas. Marguerites, Farleyense.**

Henry M. Robinson & Co., Boston, Mass.

Order from Us. No Disappointments. Satisfaction Guaranteed.

E. H. HUNT

76-78 Wabash Ave.
CHICAGO

Peonies. Jasmine. Lilies.

For Decoration Day Wants

PRICE LIST, Taking Effect May 26, 1908:

American Beauties — Per doz.

30 to 36-inch	$4.00
24 to 30-inch	$2.50 to 3.00
18 to 20-inch	2.00
8 to 12-inch	1.00 to 1.50
Short	.75

Roses, Teas — Per 100

BRIDES, select	$6.00 to $7.00
" medium	4.00 to 5.00
" special	8.00
MAIDS, select	6.00 to 7.00
" medium	4.00 to 5.00
" special	4.00
RICHMOND	4.00 to 10.00
KILLARNEY	4.00 to 8.00
PERLES	4.00 to 7.00
ROSES, our selection	4.00

Carnations — Per 100

Medium	3.00
Fancy	4.00
Extra fancy	5.00

Let us quote you on special lots.

Miscellaneous — Per 100

HARRISII LILIES	$12.50
CALLAS	12.50
PEONIES	4.00 to 5.0
" Fancy	6.00 to 8.00
VALLEY	3.00 to 4.00
SWEET PEAS	75 to 1.00
VIOLETS, dble	.75
" Extra	1.00

Greens

SMILAX Strings, per dox	$2.00
ASPARAGUS Strings, each	.50
" Bunches, each	.35 to .50
SPRENGERII, " each	.35
FANCY FERNS, per 1000	2.00
ADIANTUM, per 100	1.00
IVY LEAVES, per 100	.75
BOXWOOD, per lb. 25c, per 100 lbs.	15.00
GALAX, Bronze, per 1000	1.00
" Green, per 1000	1.00

Perfumes From Plants.

Many perfumes and flavorings that were once obtained from flowers, fruits or leaves are now made by the chemist in his laboratory, says the American Botanist, but we have not entirely given up the vegetable world as a cheap and convenient source of stimulants to our senses of taste and smell. Of such products we still import several million dollars worth each year. Some of the most familiar plants used for perfume are almond, caraway, fennel, jasmine, citron, lavender, lemon, orange, rosemary, rose, thyme, violet, geranium, acacia and tuberose. There are four principal ways of obtaining the perfume depending upon the kind of plant used. For those with abundant oil, such as the orange, the fragrant part may be obtained by pressure. Others, like peppermint, birch, sassafras and wintergreen require distillation. Maceration consists in immersing the plant parts, usually flowers, in melted grease, while enfleurage, the most delicate of all, is carried on by placing the flowers on sheets of glass which have been covered with a thin layer of grease.

The characteristic odor of any of our fragrant species may be brought out by one of these four methods. In general the essential oils are obtained by distillation and the more delicate odors of flowers by maceration or enfleurage. Anyone with an experimental turn of mind can easily make a still and derive considerable pleasure from the distillation of various plant oils. All that is needed is some kind of a boiler and a few feet of pipe for the worm through which the vapor from the boiling plants is led until it condenses. The worm is kept cool by a constant flow of cold water over it. Among our native plants from which perfumes and oils have been extracted may be mentioned sweet golden-rod (Solidago odora) Canada ginger (Asarum Canadense) magnolia, birch, wintergreen, sassafras and bergamot.

San Francisco.

STOCK OVER PLENTIFUL.

Since my last report, there has been no improvement in the condition of business in this city. Those who had anticipated a rush during the arrival and stay of the fleet in our harbor have been greatly disappointed. If anything, business has been more unsettled. With the exception of several elaborate breakfast and dinner decorations given in its honor very little has been going on. One of the best decorations seen in the city for a long time was for the breakfast in honor of Secretary Metcalf. The red room in the San Francisco hotel was turned into a tropical scene, waving bamboo hiding the walls. Dozens of canaries were singing in the recesses. The flowers used on the table were Anthurium Scherzerianum, exclusively. The general color scheme of the decorations was red and yellow. The firm of Sievers & Jacques planned and executed the decorations. Flowers at present are over plentiful; good roses and carnations can be bought at any price and the prices for all the other flowers are accordingly low. The season for sweet peas is now at its best and they are being disposed of in large quantities.

NOTES.

The decorations during the week of the arrival of the fleet have been largely of a patriotic nature. Flags, shields and the general display were done in the national colors. Quite a number of the stores had battleships in their windows some of which were quite a work of art. Undoubtedly the best of them all, was the one by the Art Floral Co., Van Ness avenue. It had taken days to make, Cape flowers in different colors being used. It was brilliantly lit up with incandescent lights. The waves were imitated with Asparagus tenuissimus.

J. Groves at Melrose is getting ready to build another large house for carnations. Hutchings & James in Elmhurst are constructing one for ferns, and F. Simmons has enlarged his rose houses considerably. At Clarke Bros., Fruitvale, the carnations were looking still in fine condition and Mr. Clark stated that they had been having them better all through the season.

During a recent visit across the bay we found everything looking prosperous in the different nurseries and every one reporting the past season as good. Carnations and roses had suffered considerably from the hot dry winds a few weeks ago and were consequently not at their best.

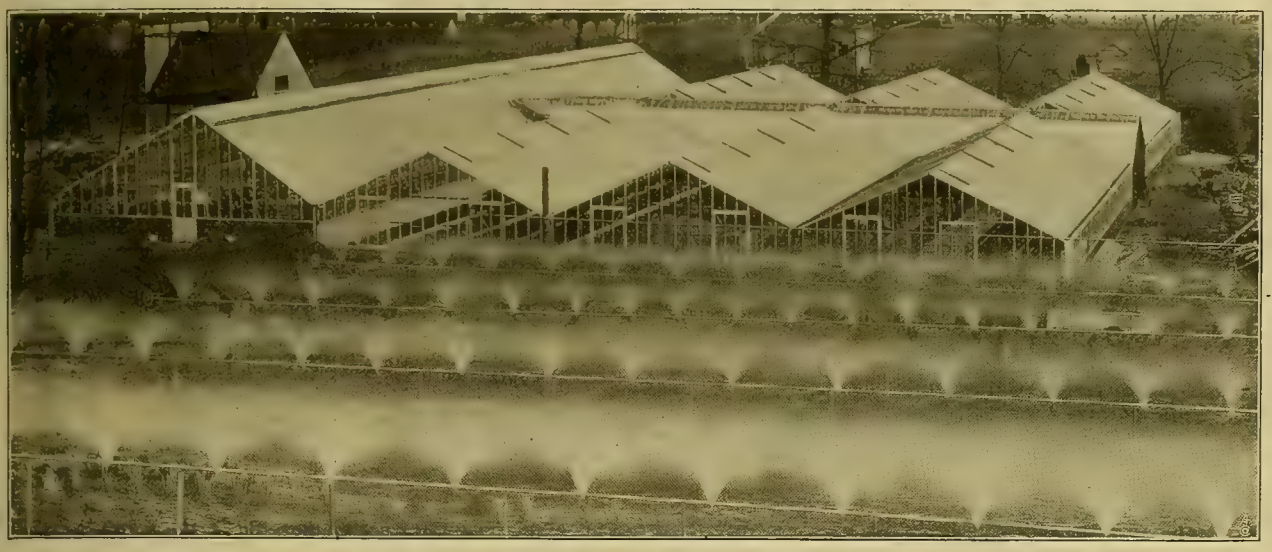
The Sievers Floral Co. opened its new store on Sutter street near Van Ness avenue May 4. The firm has gone to a great deal of expense in making it one of the finest stores in the city. The decorations for the opening day were very elaborate.

The floral contest between E. Matraia and S. Lundy has been postponed owing to a disagreement over the rules governing the contest.

S. Clack has left Menlo Park and has bought himself a place near Mayfield, where he will erect several houses this summer. P.

The Wittbold Watering System

For Greenhouse and Field Watering.



What It Is and How It Works:

It consists of pipes and nozzles so arranged that a **continuous sheet of water** the full length of the line can be supplied, and at the will of the operator can be directed upwards from underneath the plants, downward from above the plants, or parallel with a bench so that only the soil in the bench is watered. It can be used for syringing or watering. An entire house can be watered or syringed in only a few minutes. It is a permanent asset after being once installed, as it will never wear out, is inexpensive and will save its cost in hose and labor in the first six months.

Can be Seen in Use at

Vaughan's Greenhouses, Western Springs, Ill.; Geo. Wittbold Co., Chicago; A. Ahten, New Orleans; South Bend Floral Co., South Bend, Ind.; Davis Bros., Morrison, Ill.; W. B. Davis & Co., Aurora, Ill.; Stephen Hyde,, Carthage, Mo.; A. C. Oelchig & Son, Savannah, Ga.; Chamberlain & Bunker, Fremont, Mich.; R. T. Donnell, Springfield, Ill ; Wm. Edlefsen, Milwaukee, Wis.; Klehm's Nurseries, Arlington Heights, Ill.; Lincoln Park, Chicago, and many other places.

A swivel wheel and 20 nozzles which will cost $5.00 will be the best investment a florist or vegetable grower can make and will show exactly what the system will do. Send for same today.

E. H. HUNT, Sales Agent 76-78 Wabash Ave., CHICAGO.

Botanical Congress.

The third International Botanical Congress is to be held at Brussels from May 14 to May 22, 1910. Owing to the death of Professor L. Errera, who was appointed joint president of the organizing committee held at Vienna in 1905, and also of his successor, Count O. de Kerchove de Dentergem, Baron de Moreau and M. Th. Durand are now the presidents. At the close of 1907 the newly-constituted executive convoked a meeting of the principal Belgian botanists; this meeting, held at Brussels, after an exchange of views, adopted the following among other regulations for the said congress: Membership of the congress shall be conditional upon subscribing to its regulations and a payment of fifteen francs ($2.88). Any language may be used in the discussions, but French will be the official language of the congress. Papers on various questions affecting theoretical or applied botany—apart from those specified in the agenda of the special sections—may be submitted to the organizing committee, who shall decide as to the discussion of the same and their inclusion in the minutes of the congress. These papers may be written in German, English, Spanish, Flemish, Dutch, French, Italian or Portuguese; they should, whenever possible, be accompanied by a translation of their summing-up in either German, English, or French. All communications relating to the congress should be addressed as follows: Dr. E. De Wildeman, General Secretary of the Organizing Committee, Jardin Botanique de l'Etat, Brussels, Belgium.

COLUMBUS, O.—A chrysanthemum show is to be held in Franklyn park this year.

TRENTON, N. J.—Sealed proposals for building and erecting a greenhouse at Cadwallader park will be received at the office of the Board of Park Commissioners at the Mansion House, in the park, at 3 p. m., June 5, 1908. The work to be performed shall be of the design and dimensions shown upon the plans on file in the office of the superintendent of the park, No. 4 East State street, and in accordance with specifications and requirements accompanying the same. Each proposal must be accompanied by a satisfactory bond, with at least two sureties, in the sum of $500, conditioned that if the proposal be accepted the person or persons making it will execute the contract required to be executed and furnish the bond required to be furnished within five days after the acceptance of the proposal. The Board of Park Commissioners reserves the right to reject any or all proposals.

Chicago.

PRICES CONTINUE TO RULE LOW.

The market the past week has seen very heavy receipts of stock and the local trade has been exceedingly slow due not only to the large supplies to be drawn upon, but as well to the many rainy days which shut off transient business for the retailers. On the other hand the weather has been responsible for a vast proportion of the stock going soft, and during the fore part of the present week at least the good shipping stock was getting down toward the proportions of the demand existing for such flowers as would carry well and still appear to advantage. There are plenty of very good American Beauty roses, Bride and Bridesmaid roses, too were plentiful, but the most of them showed the effects of the soft weather. Richmond seems to be holding its quality better. Chatenay, Uncle John, Mrs. Potter Palmer, Mrs. Marshall Field, Kate Moulton and others are received in good quantities and a very good proportion of them are excellent stock. Last week and the early part of this week saw a heavy glut of carnations, the weather having brought the flowers along much faster than was desirable and threatening to create a shortage for Decoration day. Much of this stock is inferior, but where there is so much to choose from some good, fine material may be found. Right now interest seems to center on the peony. The demand now is about equal to the supply, but the general report on the market is that peonies will be scarce for Decoration day, the recent frost having played havoc with the crop. Lilac is now coming in very heavily and selling at low prices. Cape jasmines are coming in in quantities and it is hard to clean up on them. There are plenty of lilies, but they are not what they should be in quality. Outdoor lily of the valley is a feature on the market now.

A TWENTY-FIFTH WEDDING ANNIVERSARY.

Peter Reinberg and wife on Thursday of this week celebrate the twenty-fifth anniversary of their marriage, the ceremony being performed at 10 o'clock in the morning at St. Gregory's church by the Rev. A. J. Thiele, who married the couple in St. Henry's church a quarter of a century ago. In the evening a reception will be held in the Reinberg home, 3465 N. Robey street. Both church and house will be elaborately decorated, Mrs. Marshall Field roses being used, together with palms, furnished by the Geo. Wittbold Co., and Asparagus plumosus. Henry Hansen, of Rose Hill, will have charge of the decorative features.

A NEW BURDEN FOR THE GROWERS.

The wholesale florists, growers and commission men on Tuesday received notice from the various express companies that an extra charge of 40 cents per 100 pounds for cartage of empty boxes would go into effect on May 20. This would amount to a very considerable figure to the entire market, and as much to some large individual growers, it is said, as $2,000 per year. On Wednesday afternoon there was a representative gathering in the office of E. C. Amling and a private expressman was found who would handle these empty boxes at from three to five cents per box, according to size.

NOTES.

Otto Greuter, a brother-in-law of Alois Frey, head gardener at Lincoln park, is this week beginning the erection at Crown Point, Ind. of two greenhouses, 28x200 feet, and a leanto, 10x200 feet. Already a long building, 30x90 feet, has been completed. This is divided into three parts, one a boiler room, one a potting shed and the last Mr. Greuter's living rooms and office. All this is on one corner of a tract of 20 acres acquired some years ago by Mr. Frey. Mr. Greuter comes from Winterthur, Canton Zurich, Switzerland. Besides receiving a thorough training in his father's large greenhouse establishment he has traveled extensively and been employed in various French and English horticultural interests. He will call his place the Rose Lawn Nurseries, starting out next season with a good line of bedding stock.

J. B. O'Neil, of Vaughan's Seed Store, who has been seriously ill at his home in Elgin with a dangerous type of pneumonia for about a month, has passed the worst stage of the disease and is now gaining as rapidly as can be expected.

Growers who took time by the forelock and fumigated their rose houses were wise; others awoke this week to the destructive possibilities of a bad case of thrips. Several in this vicinity were sufferers.

The E. H. Hunt corporation reports a good sale of the Wittbold patents, particularly the cement bench clamp, and the watering system which is especially timely now.

The trade in bedding plants is reported good by the leading dealers, but good pansy plants are scarce and geraniums are hardly up to their usual standard.

C. W. McKellar left the evening of May 14 to attend the funeral of his younger brother, Arthur, who died at his home in Chillicothe, O., May 13.

Wietor Bros. are well supplied with roses for Decoration day. Kate Moulton is a favorite here this season from its beautiful form and color.

Geo. R. Scott, who has been in the cut flower department of the E. F. Winterson Co. for some years, left that place last week.

(CONTINUED ON PAGE 890.)

Zech & Mann
Wholesale Florists
Room 218, 51 Wabash Ave., CHICAGO
Telephone, Central 3284.

Vaughan & Sperry,
Wholesale Florists,
58 and 60 Wabash Ave., CHICAGO.
WRITE FOR SPECIAL PRICES.

Poehlmann Bros. Co.
Wholesale Growers of
and Dealers in Cut Flowers
All telegraph and telephone orders gvien prompt attention.
Greenhouses: MORTON GROVE, ILL.
35-37 Randolph St., CHICAGO.

J. A. BUDLONG
37-39 Randolph Street, CHICAGO.
Roses and Carnations A Specialty.....
WHOLESALE GROWER of CUT FLOWERS

Kennicott Brothers Company,
WHOLESALE
CUT FLOWERS.
48-50 Wabash Ave.,
CHICAGO.

Peonies
Now
Price
6 to 8 Cents.

We will have anything in the line of
Cut Flowers and Greens
that you may want if anybody has at Chicago market prices on day of shipment.

KENNICOTT BROS. CO.
L. D. PHONE, CENTRAL 466.
48-50 Wabash Ave., CHICAGO.

"THE BUSIEST HOUSE IN CHICAGO."

Decoration Day

PRICE LIST.

BEAUTIES.

	Per doz.
Long stems	$3 50 to $4.00
24 to 30 inches	2.50 to 3 00
15 to 20 inches	2 00
12 inches	1.00 to 1.50

ROSES.

	Per 100
Killarney	$5.00 to $8 00
Bride, Bridesmaid	3.00 to 6 00
Chatenay, Golden Gate	3 00 to 8.00
Richmond	4.00 to 10.00
Perle	3.00 to 6.00
Our selection	3 00 to 4.00

CARNATIONS.

	Per 100
Good Grade	$2 00 to $3.00
Fancy	4.00 to 5.00

P. & D. at Cost.

MISCELLANEOUS.

	Per 100
PEONIES	per doz., 75c to $1.00
Gladiolus	per doz., 2.00 $15.00
Poet Narcissus, double	2 00
Sweet Peas	.75 to 1.50
Callas	per doz., $1.50
Lilium Harrisii	per doz., $1.50 to 2.00
Valley	2.00 to 4.00
Cape Jasmine	per 1000, $15.00 2.00
Daisies	1.00
Tulips	2 00 to 4.00
Pansies	1 00 to 1.50
Smilax	per doz , $2 00
Fancy Ferns	2.00
Galax	1.00
Adiantum	.75 to 1.00
Asparagus Sprengeri	3.00 to 4.00
Asparagus Plumosus	per string, 40c to 50c
Asparagus Plumosus Sprays	3.00 to 6.00
Cornflowers	.60 to .75

Subject to change without notice.

J. B. DEAMUD, President. W. P. KYLE, Vice-President. ALEX. NEWETT, Manager.

J. B. DEAMUD CO.

Wholesale Florists, Long Distance 'Phone, Central 3155. 51 and 53 Wabash Ave., CHICAGO.

E. C. AMLING

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 Randolph Street, CHICAGO.

L. D. 'Phones Central 1978 and 1977.

WEILAND - AND - RISCH

Wholesale Growers and Shippers of
CUT FLOWERS
59 Wabash Ave., CHICAGO.
'Phone Central 879.
Write for our wholesale price list.

WHOLESALE FLORISTS

LA FAYETTE, IND.—George Ade, the famous playwright and author, intends to go into rose growing and, it is said, will import soil from New Castle for the purpose.

Wholesale Flower Markets

CHICAGO, May 20.

Rose, Beauty, extra fancy		4 00
" " 24 to 30-in. stems		3 00
" " 12 to 20-in. stems	1 50@	2 00
" " Short stems		1 00
" Killarney	6 00@	12 00
" Bride, Maid, Ivory Gate	4 00@	6 00
" Liberty, Richmond	4 00@	8 00
" Chatenay, Perle	4 00@	6 00
Carnations	1 50@	3 00
Violets	40@	50
Lilium Harrisii, per doz.	1 00@	1 25
Callas, per doz.	1 00@	1 25
Lily of the valley	2 00@	4 00
Gladiolus, per doz.	1 50@	2 00
Peonies, per doz.	50@	75
Snapdragon, per doz.	50@	75
Sweet Peas	50@	2 00
Pansies	75@	1 50
Daffodils	2 00@	3 00
Tulips	2 00@	3 00
Iris, blue		5 00
" white & yellow		3 00
Narcissus, poeticus, double		2 00
Jasmine, Cape		2 00
Cornflowers	60@	75
Daisies, white	75@	1 00
" yellow	1 00@	2 00
Smilax, per doz		2 00
Asp. Plu. & Sprengeri, bunch		50
Asparagus strings, each		50
Adiantum, per 100	75@	1 00
Leucothoe sprays	60@	75
Ferns, per 1000		2 50
Galax, green, per 1000		1 00
" bronze, per 1000		1 00
Boxwood, per bunch		35

Chas. W. McKellar

51 Wabash Ave.
CHICAGO.

ORCHIDS
A Specialty

Fancy Stock in VIOLETS VALLEY, ROSES, BEAUTIES, CARNATIONS and a full line of all Cut-Flowers, Greens, Wire-Work and FLORISTS' SUPPLIES.

Send for Complete Catalogue.

WIETOR BROS.

Wholesale Growers of Cut Flowers

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.

WOODLAWN HEIGHTS, N. Y.—Wm. Nilsson has been awarded the contract for the twenty-sixth successive year for the floral decorations and landscape work at Sheepshead Bay.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

WIETOR BROS.

51 Wabash Avenue, CHICAGO.

Decoration Day Price List.

CUT FLOWERS.

ROSES, Our Selection, $3.00 per 100; $25.00 per 1000

BEAUTIES,	per doz.
36 in. and up	$3.00 to $4.00
24 to 30-in. stem	2.50 to 3.00
20-in. stem	2.00
12 to 15-in. stem	1.00 to 1.50
Short stems	.75
Bride	$3.00 to $6.00 per 100
Maids	3.00 to 6.00 per 100

	Per 100
Richmond	$4.00 to $8.00
Uncle John	3.00 to 6.00
Chatenay	3.00 to 6.00
Moulton	4.00 to 7.00
CARNATIONS	3.00 to 4.00
PEONIES	per doz., .75 to 1.00

Chicago Notes.

CONTINUED FROM PAGE 888.

Miss Hertha Tonner is showing some very fine carnations, including Winsor, Rose Pink Enchantress, Beacon, Victory and other new and standard varieties. Miss Tonner has conducted her stand in the Flower Growers' Market for something over five years, being in fact one of those who started in business on the same day the "exchange" was opened to the public. She has handled in that time the stock of her brother, Walter Tonner (one of the market's stockholders), and other successful growers entirely on a commission basis and a gradual and satisfactory increase in the business has been noted each year. Miss Tonner handles not only carnations, but practically all the spring flowers on the market.

Vaughan's Seed Store on Monday exhibited blooms from several new tulips growing this spring in the trial grounds at Western Springs. Among them were Darwin tulip Salmon King, Darwin tulip Glow, Darwin tulip Clara Butt, Gesneriana, Isabella, a specially fine rose colored specimen with long stem, and Bouton d'Or, the best late yellow. A few half standard bay trees have also attracted considerable attention.

The Kennicott Bros. Co. is receiving some fine peonies from the Mattoon and Carbondale districts and E. E. Pieser says they are managing to put a few away in cold storage for Decoration day when it is believed the crop will be unequal to the occasion.

Bassett & Washburn on Monday brought to market a small lot of very fine Red Kaiserin roses which were much admired by callers. This firm has about 1,000 plants of this valuable rose and will propagate as heavily as possible this coming season.

The news of the death of Wm. Scott, of Buffalo, N. Y., has given a tinge of melancholy to conversation in market circles this week.

The J. B. Deamud Co.'s reports from peony growers are encouraging and indicate a good supply for Decoration day.

President Kelly of the Horticultural Society has moved to his place at Oconomowoc, Wis., for the summer.

The E. F. Winterson Co. is handling a large lot of bedding stock.

Visitors: Alpha Elberfield and R. Fraser, Kansas City, Mo.; Mrs. A. G. Glaser, Dubuque, Ia.; Gus. Frederickson, Glen Lord, Mich.; L. L. May, St. Paul, Minn.; Edward Amerpohl, Janesville, Wis.; Miss E. V. Hercules, Pontiac, Ill.

Thompson Carnation Co. Solvent.

The bankruptcy proceedings against the J. D. Thompson Carnation Co., Joliet, Ill., filed at the instance of three small creditors, under false impressions, have been dismissed. The company has been declared solvent, placed in charge of the secretary, and is in shape to fill all orders received.

DANVILLE, ILL.—On a charge of being intoxicated, G. B. Howard, a horticultural inspector for the University of Illinois, was arrested recently, fined, released and within a few hours after being let out of jail was again taken up for drunkenness and again fined. Both times Howard paid with checks drawn in his favor on the university treasurer. Howard's second trip to police headquarters was accompanied by a story which led to his swearing out a warrant for the arrest of Slocum Frankeberger, a brother of a local alderman, charging him with the theft of $50, the balance of the first check which Howard cashed in police court.

St. Louis.

BIG GLUT OF STOCK.

Hot weather is with us and summer dullness in trade appears to have started earlier than usual. On Sunday, May 10, stock was very scarce, but last Tuesday, with bright and warm weather, stock came in and loaded up the commission houses. Trade was so dull that even on Saturday, the day of the charity carnival, after loads of flowers had been donated, the counters were still piled with unsold flowers. Carnations sold for 1 and 1½ cents for prime stock and lots were sold both of roses and carnations at very low figures. Now we must wait for June weddings and school commencements to cause any revival.

THE CHARITY CARNIVAL.

All four of the wholesale houses donated, through the Horticultural Society, boxes of flowers to the great charity carnival at Forest Park Highlands. H. G. Berning had his wagon, also W. C. Smith & Co., hauling flowers at the carnival. C. A. Kuehn and Geo. H. Angermueller made special deliveries. J. Arator had charge of the elaborate decorations put up by Young & Sons.

Mesdames Otto G. Koenig, F. C. Weber, Theo. Miller, Chas. Beyer and others sold flowers. The ladies were in many cases assisted by their children. The Eggeling Floral Co. docorated the German village and other places. This firm donated several large boxes of fancy cut flowers to its many patrons who had booths in the village. The latest reports state that flowers to the value of $250 were sold.

NOTES.

Geo. Ostertag as park superintendent has his hands full these days. They are planting out in all parks. Mr. Ostertag had special invitations for himself and family to the wedding last Wednesday

FOR MAY AND JUNE WEDDINGS we offer extra select Lily of the Valley, Bride and Bridesmaid Roses, and of course a full line of all seasonable Cut Flowers and Greens. Try us. We have the stock and can take care of all orders.

HOLTON & HUNKEL CO.

462 Milwaukee Street, MILWAUKEE, WIS.

The Best Equipped Wholesale House in the West.

We also carry a full line of **FLORISTS' SUPPLIES.** Would like to send you a catalog. Drop us a postal

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations and all kinds of Seasonable Flowers in stock.

WM. F. KASTING CO. Wholesale Commission Florists.

BUFFALO, N. Y.

Florists' Supplies and Wire Designs.

—THE—

J. M. McCullough's Sons Co.

Wholesale Commission Florists.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

of Philip Scanlan, our park commissioner. The church decorations were very elaborate, consisting of Easter lilies, ferns and palms. Bouquets of lily of the valley and showers of white sweet peas were used for the bride's three attendants.

The Florists' Club met last Thursday, but very few were present. The president and vice-president were too busy to attend and the trustees not having their report finished, the meeting adjourned and all important measures were left over to next meeting.

Robt. Windler has built up a splendid trade at his store on South Grand avenue and is a very large buyer in the wholesale market for all varieties of fancy stock.

The sweet pea growers at Kirkwood have at present quite a glut and much of their stock goes to waste.

The St. Louis Seed Co. is doing a great trade and is especially busy with nursery stock.

W. F.

QUEENS, N. Y.—The friends of Chas. L. Allen, the dean of Long Island horticulturists, are to celebrate his eightieth birthday at his residence, at Queens, on June 13 next.

Wholesale Flower Markets

BUFFALO, May 20.

Roses, American Beauty	3 00@25 00
" Bride, Bridesmaid, Meteor	3 00@ 7 00
Carnations	1 00@ 2 50
Lily of the valley	2 00@ 4 00
Smilax	15 00
Adiantum	50@ 1 50
Lilies	8 00@12 00
Galax, per 1000	$1 50
Ferns, per 1000	2 00
Mignonette	1 00@ 3 00
Daisies	1 00@ 2 00
Sweet peas	40@ 75
Hyacinths	2 00@ 3 00
Tulips	1 00@ 2 00
Daffodils	2 00@ 3 00
Asparagus Sprengeri, per bunch	25 50
Asparagus plumosus, per bunch	25@ 50

CINCINNATI, May 20.

Roses, Beauty	$1 00@$ 4 00
" Bride, Bridesmaid	3 00@ 6 00
" Richmond	3 00@ 6 00
" Golden Gate	3 00@ 6 00
" Ivory	3 00@ 6 00
Carnations	1 00@ 3 00
Lily of the valley	2 00@ 3 00
Daisies	50
Callas	10 00
Harrisii	12 50
Smilax	12 50@15 00
Asparagus plumosus and Sprengeri in bunches, per bunch 25c	
Eastern Ferns, per 1000	$2 00
Galax, Green and Bronze	$1 00
Iris	2 00
Peonies	4 00
Sweet Peas	50

ST. LOUIS, May 20.

Roses, Beauty, long stems	2 50@ 3 00
" " medium stems	1 50@ 2 50
" " short stems	4 00@10 00
" Bride	2 00@ 6 00
" Bridesmaid	2 00@ 6 00
" Chatenay, Richmond	2 00@ 6 00
" Killarney	2 00@ 6 00
Carnations, common	1 00@ 1 50
" best	2 00@ 3 00
Smilax	12 50
Asparagus Sprengeri	1 00@ 2 00
" plumosus, strings	25 00@40 00
" cut sprays	1 00@ 2 00
Ferns, fancy, per 1000	$2 25
Lily of the valley	3 00
Callas	6 00@10 00
Sweet peas	20@ 60

MILWAUKEE, May 20.

Roses, Beauty	75@ 3 00
" Liberty, Chatenay	3 00@ 6 00
" Bride, Bridesmaid	3 00@ 6 00
" Meteor, Golden Gate	3 00@ 6 00
" Perle	4 00@ 6 00
Carnations	1 00@ 3 00
Smilax, $2 00 per doz.	
Asparagus, sprays	3 00
" Sprengeri	2 00@ 3 00
Lily of the valley	3 00
Adiantum	1 50
Common ferns, $2 00 per 1000	
Harrisii lilies $6 00@ 8 00 per 100	
Tulips	2 00
Daffodils	2 00
Sweet peas	50@ 1 00

WAPPINGERS FALLS, N. Y.—Chas. Horton of the Harcourt greenhouses has moved to Remsen avenue with his family.

MANITOU, COLO.—W. R. Wheeler, formerly foreman at the Manitou greenhouses, has taken over the business and will continue it under his own name.

Our New Quarters

GIVE US A TRIAL

Buffalo Cut Flower Co.

495 Washington St.,

BUFFALO, N. Y.

We handle **carnations, roses** and all other kinds of **seasonable flowers** at all times also **wire designs** and **florists' supplies.**

Long Distance Phone

Frontier 3607 Bell, Seneca 3762

RICE BROTHERS

Wholesale Florists and Supplies,

115 N. 6th St., MINNEAPOLIS, MINN.

CUT FLOWERS received twice daily. Can fill your orders to your satisfaction. Also headquarters for **Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns.** Prices quoted on large quantities.

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NEW CASTLE, PA.—Fischer's Sons donated the seeds which were distributed through the agency of the Civic Improvement League and Circle of '89 to public school children.

DECORATION DAY

Write us to-day about what you will want for your trade May 30 and 31. There really will be two Decoration Days this year, because the real one comes on Saturday, and you want to be prepared, not only for a big trade Saturday but also on Sunday. We can take care of you right. Large supplies.

ROSES, CARNATIONS, PEONIES, SWEET PEAS, Lilies, Valley, all Cut Flowers in Season. All kinds of Greens.

In the Supply Department: Cycas Wreaths, Magnolia Wreaths, Moss Wreaths. Cemetery Vases and everything else you need. Ribbons, Chiffons, Baskets.

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New York.

MARKET VARIABLE.

Conditions in the cut flower market during the past week were almost identical with those of the preceding one, a little stiffening in prices for Monday and dullness that was discouraging, until Saturday when there was something nearer a reasonable clean up. It would seem that most of the growers of roses and carnations are waiting for some other fellows to begin pulling out old plants, and thus profit by it, as there seems to be little decrease in the supply of either of these. Only a few of the best sell for what can be called a decent price. The great bulk are simply unloaded, though it is not quite as bad as when the same unloading process was going on, and back of it the growers were burning coal to keep it up. Lilies continue very cheap but good lily of the valley holds up better than most stocks. There was a marked decrease the last of the week in the quantity of sweet peas and they were really in demand, which is an improvement over a few weeks ago when thousands of them were sold on the streets.

May 18.—This week opens, as one wholesaler tersely puts it, "with enough stock to last till Saturday night," if it would keep, but it is doubtless a blessing that it will not keep. Roses particularly seem to be in great surplus, although some other stocks are not far behind them. Southern gardenias are arriving in very fair condition. Irises are now a feature, as are also gladioli.

THE HORTICULTURAL SOCIETY.

The meeting and accompanying exhibition of this society, held in the Bronx Park museum May 13, was very interesting and enjoyable. It was said to be the best spring exhibition ever held under the auspices of the society. The following exhibits were prominent and noteworthy: Julius Roehrs Co., Rutherford, N. J., collection of flowering orchids and rose, Newport Fairy; Lager & Hurrell, Summit, N. J., collection of flowering orchids; F. R. Pierson Co., Tarrytown-on-Hudson, collection of 75 varieties of flowering trees and shrubs; also a fine collection of flowers of bulbous stock grown outdoors; Joseph A. Manda, West Orange, N. J., collection of flowering orchids; J. T. Butterworth, South Framingham, Mass., flowering orchids; Siebrecht & Son, New Rochelle. collection of stove and greenhouse plants, also orchids and cut roses; Ordonez Bros., Madison, N. J., specimen plants of orchids, recently imported; Clement Moore, Hackensack, N. J., cut orchids; A. M. Kirby, Jersey City, N. J., outdoor flowering bulbous stock; W. McCollum, Islip, flowering trees and shrubs; W. Mille, Elizabeth, N. J., bulbous stock; H. Presby, Montclair, N. J., dwarf alpine iris; Richard C. Schneider, Williamsbridge, collection of wild flowers; Quercus T. Shafer, Carnot, Pa., collection of wild flowers; Gertrude Padroch, Woodside, collection of cacti; Frank Weinberg, Woodside, collection of cacti.

At the business meeting officers were elected. A very pleasing feature of the meeting was the address on "The Violet," illustrated by stereopticon views, by Dr. B. T. Galloway, chief of the bureau of plant industry, Department of Agriculture, Washington, D. C. By the excellent views, the lecture of Dr. Galloway, who is always interesting, was made very plain to his audience.

A very interesting sketch of the New York Botanical Gardens has recently been published by Dr. N. L. Britton, director. Among other interesting items it is stated that the great public greenhouses contain about 8,000 different kinds of plants.

Mention is also made of the Botanical museum which shelters a great collection of the products of plants used in the arts, industries and sciences; and another collection illustrating all the natural families of plants by specimens, photographs, drawings and otherwise and a large collection of fossil plants. The immense herbarium is also noticed, this being a collection of dried specimens of plants from all parts of the world, to which reference is continually made by students from all sections of the country. It is stated that this Botanical museum is the largest in the world.

An enormous amount of planting has been accomplished during the development of the plan and is being continued every spring and fall. This planting has been with a view to educational features as well as park ornamentation; the evergreen trees have been assigned to the region surrounding the public conservatories; the systematic plantations of deciduous trees, those that lose their leaves in the autumn, have been mainly established on the eastern side of the grounds and along the driveways; the systematic collection of shrubs is established on a plain northeast of the museum building, and decorative shrub plantations have been set out in many parts of the grounds. The collections of herbaceous plants are in a beautiful glade east of the public conservatories, the northern portion of this glade being occupied by a collection of economic plants.

Among the most attractive natural features of the grounds are the famous hemlock forest, which exists on the hills along both sides of the Bronx river, the gorge of the Bronx river below the waterfall near the old Lorillard Mansion, and the meadows at the north end of the park through which the Bronx runs as a outlet stream.

The election of officers resulted as follows: James Wood, president; J. Crosby Brown, Dr. Hexamer, G. T. Powell, Spencer Trask and Samuel Thorne, vice-presidents; Leonard Barron, secretary; F. R. Newbold, treasurer; C. L. Allen, F. W. Bruggerhof, J. W. Cromwell, C. F. Dieterich, T. A. Havemeyer, E. S. Miller, John E. Lager, E. H. Roehrs, Julius Roehrs, F. L. Atkins, G. V. Nash, N. L. Britton, W. Nilsson, Patrick O'Mara, C. B. Weathered, H. A. Siebrecht, Joseph A. Manda, J. H. Troy, F. R. Pierson, C. W. Ward and A. L. Willis, members of council.

PROVIDENCE, R. I.—The chrysanthemum show of the Rhode Island Horticultural Society will be held November 11 and 12.

RIVERSIDE, W. VA.—Jeff Hinton, the well known market gardener, was the victim a night or two ago of a most contemptible theft. He had several thousand tomato plants set out and they had started to grow nicely. A night or two age some sneak thief visited his place and carried off over 500 of the growing plants. So far as could be learned there is no clew to the thief, but an investigation is being made.

GRAND RAPIDS, MICH.—The May meeting of the Grand River Valley Horticultural Society was held May 2 at the home of Mrs. Julia L. Fletcher, 23 South College avenue. President Munson was in charge. In a discussion of current events, attention was called by Chas. W. Garfield to the establishing of an experimental spraying station at Douglas, in western Michigan, this spring by the government. Charles W. Wilde, of Walker township, gave a very practical talk on the principles underlying cultivation and the conservation of moisture. He showed how farmers and fruit growers lost fertility as well as moisture from their soils by allowing a crust to form.

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PHONES, 1664-1665 MADISON SQUARE
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J. K. ALLEN, Wholesale Commission Florist.
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JOHN I. RAYNOR
Are the best product of the best growers for the New York Market.
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PERKINS & NELSON
Wholesale Florists
57 West 26th Street, Cor. 6th Avenue. NEW YORK.

Rochester, N. Y.

TRADE BRIGHTENING UP.

Local trade is quiet so far this spring; the weather has been so cold and so much rain has fallen that most all spring work had to be declared off. For the past few days the weather has been bright and pleasant and as a result we are now rushed with bedding, planting and other outside work.

NOTES.

John Dunbar, assistant superintendent of parks, may well be proud of the excellent display of tulips in the parks of this city. There is no doubt but it is the best show of tulips ever seen here. The cool weather has been very favorable for them.

We see by the trade papers that our old friend Walter Mott has landed a new job. Of course Walter will make good and we wish him success.

A. W. Darling of Reynolds street recently opened a store on West avenue and says that trade has been satisfactory so far.

Callister & Smith Co., of West avenue, report lots of bedding and planting to do. F. W.

SALEM, O.—W. L. Pettit, of the firm of Sharpnack & Pettit, has purchased a Ford runabout.

Charles Millang. August Millang.
MILLANG BROS.
Wholesale Commission Florists,
41 West 28th Street, Telephones 3860-3861 Madison. New York.

Wholesale Flower Markets

NEW YORK May 20.

Roses, Beauty, special	12 00@15 00
" " fancy	8 00@10 00
" " Nos. 1 2 and 3	50@ 6 00
" Richmond	1 00@ 8 00
" Bride, Bridesmaid, Killarney	
Special	4 00@ 5 00
No. 1	1 00@ 2 00
No. 2	50
Carnations, fancy	1 50@ 3 00
" common	50@ 1 00
Lilies	1 00@ 2 00
Lily of the valley	1 00@ 3 00
Asparagus plumosus strings	25 00@40 00
" per doz. bunches	2 00@ 3 00
Smilax	8 00@10 00
Cattleyas	50 00@60 00
Gardenias	3 00@15 00
Callas, per dozen	30@ 60
Mignonette	1 00@ 4 00
Jonquils	50@ 75
Sweet peas, per dozen bunches	1 00@ 1 50
Tulips	50@ 75
Snapdragon	75@ 1 00
Stocks	50@ 1 00
Lilac, per bunch	10@ 25

J. Seligman. Joseph J. Levy.
John Seligman & Co.
WHOLESALE FLORISTS,
56 West 26th Street, NEW YORK.
Opposite N. Y. Cut Flower Co.
Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best Prices. Satisfaction guaranteed. Tel. 4878 Madison.

John Young
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51 West 28th St., NEW YORK CITY
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Cleary's Horticultural Co.
62 Vesey St., NEW YORK.
HORTICULTURAL PRODUCTS
WHOLESALE...AUCTION
Consignments, Quotations and Correspondence Solicited.
Sales every Tuesday and Friday.

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54 W. 28th St., NEW YORK. Consignments of Choice Cut Flowers Solicited. Prompt payments. Give us a trial. Telephone 3559 Madison Square.

Moore, Hentz & Nash,
Wholesale Commission Florists
55 and 57 West 26th Street,
Telephone No. 756 Madison Square. NEW YORK.

HORACE E. FROMENT
WHOLESALE COMMISSION.
American Beauty Roses a Specialty. Roses, Violets, Carnations, Valley, Lilies, Etc.
57 West 28th St., NEW YORK CITY
Telephones: 2200 and 2201 Madison Square.

Walter F. Sheridan
WHOLESALE FLORIST,
Telephones: 3532 and 3533 Madison Sq.
39 West 28th St., NEW YORK

Young & Nugent,
Telephone, 2065-2066 Madison Sq.
42 West 28th St., New York
To out-of-town Florists: We are in the Heart of
And give Special attention to Steamer and Theater orders. Prompt deliveries and best stock in the market.

N. Y. Cut Flower Exchange
Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable Wall Space to Rent for Advertising.
V. S. DORVAL, Secretary.

Samuel A. Woodrow
WHOLESALE
PLANTSMAN AND FLORIST,
53 W. 30th St., NEW YORK.
Out of Town Orders a Specialty.
Telephone 2083 Madison. Consignments solicited

Buyers of Cut Flowers

Will find a reliable source of supply in dealing with

THE LEO NIESSEN CO., Wholesale Florists, **1209 Arch St., Philadelphia, Pa.**

Peonies in any quantity until June the 10th, the best variety and colors. Also **Snowballs** and all kinds of blossoms in season.

John W. McIntyre, 1601 Ranstead St. **Philadelphia.**

Philadelphia.

JUVENILE MOTHER'S DAY.

The cut flower market is without feature, business moving very sluggishly. It is about normal for the season, however, there being a limited demand for the best flowers in all lines. Sweet peas seem to sell about as well or better than most of the stock and are very plentiful and of good quality, the prices ranging from 30 cents to 75 cents per 100. Carnations are largely in evidence, selling from $1.50 to $3 per 100 and they must be fine for the latter figure. A junior Mother's day was celebrated by the school children, May 18, and cleaned up the white carnation stock nicely. Children are great imitators and when a few started to wear them, they hustled for nickels and fairly stormed the stores in the neighborhood of the schools. One up-town store near a school sold 250 white carnations, one at a time, at a nickel each in an hour, so anxious were the little ones to wear a flower in honor of their mother. We celebrate and do honor to the great national heroes, Washington and Lincoln, on their birthday anniversaries and we also remember the great army of those who fought and bled for their country's good, the essential part of this celebration being the strewing of flowers on their graves. To other national heroes are erected monuments, magnificent testimonials of their worth, and now that at last an opportunity is given to honor and do homage to the memory of the greatest hero of them all, the hero of the home, the one who helps you to fight the daily battles of life and under whose guidance you are sure to come out victorious, let us one and all, keep the anniversary before us and make it with each recurring season the greatest floral event of the year. American Beauty roses have begun to feel the effects of the hot days, the frilling on the edges of the petals becoming more noticeable daily, $1.50 to $2 being the price per dozen. The advance guard of the local peonies, the large red, is here. Some of the southern stock, light pink, arrived last week and sold for 75 cents and $1 per dozen. Snowball, deutzia, spirea and other spring shrubbery are now to be had in quantity and enter largely into the window decorations. Spanish iris, which has been fine this season, is now done. It sold very well and more will be grown next season. The local growers should have a stock of this. The supply this season came, for the most part, from Virginia. The commission houses are making great preparations for Decoration day. Locally the observance of this holiday does not seem to be as general as in many other communities. The out-of-town call is, however, very large and great quantities of all seasonable flowers are shipped to supply this demand.

NOTES.

The unwelcome news of the death of Wm. Scott reached this city May 19. A great and learned man of the profession has passed away, kind and genial, a favorite with all who knew him, the life of every gathering of the craft, a man who loved to be called a gardener and who was never happier than when giving information to his fellow craftsman.

John McIntyre will be right in it on peonies, having the handling of the surplus stock of the Thorn Hedge Nurseries at Newton Square, where is to be seen the finest block of peonies in eastern Pennsylvania. He is also handling shrubbery by the wagonload.

Wm. McKissick says Decoration day business is looming up largely, there being a great demand from his out-of-town customers. He has promise of a large stock of the best peonies and will also carry a splendid stock of roses and carnations.

The Leo Niessen Co., say it is booking large orders and expect a business equal to, if not larger than, last season, which broke its record. The firm is especially strong on American Beauty, tea roses, carnations and peonies.

The retail store of Pennock Bros., 1514 Chestnut street, is one of the show places of that locality, noted for good stock and fine workmanship in designs.

K.

Boston.

FUNERAL WORK HELPS MARKET.

On opening the market Monday morning a buying power met the growers and salesmen, the equal of which has not been seen on an ordinary week day for many months, completely bewildering those who had expected nothing better than the same dismal greetings which had met them of late. Stock of all kinds that had been stacked for ages awaiting a purchaser was quickly lifted at fairly good prices and the outlook was decidedly changed for the better. The cause of this sudden enlivenment was a tremendous quantity of funeral work. Prices rose with great rapidity and held well through the week, but towards the end of the week conditions again assumed a doleful appearance. With Memorial day less than a fortnight away a busy week is expected. The season is considered about two weeks late this year but to offset this some very fine lilac, white and purple, is coming into the local market. This is the first and most important of outside flowers and marks the summer season fully established. Considerable outside planting has been done in the face of a number of severely cold nights within the last two weeks. The rose market is gradually weakening, almost all varieties feeling the heat. Richmond is most noticeably affected and the greater part of the local crop is of second class quality. Killarney has become reduced in size but a satisfactory line of medium goods is available in quantities. American Beauty does not attract much attention. The favorite white rose, Kaiserin, has made its appearance and, because of its superiority at this time over Bride, has met with immediate approval. Carnations have begun to disappear and prices have slightly improved in the ordinary stock while selected blooms maintain their standard figures. An abundance of antirrhinums, gladioli, irises, white and yellow, marguerites and sweet peas of all colors are selling at extremely low figures and the stock is kept moving with difficulty, owing to the vigorous efforts of the salesmen.

J. J. Harty & Company

Wholesale and Commission

.FLORISTS.

1312 G St., N. W., Washington, D. C.

Phone Connection Main 5011

NOTES.

The Henry M. Robinson Co. devotes a large part of its establishment to hardy supplies and has had a tremendous run on English boxwood, which is used extensively for Memorial day. It has become necessary to curtail the demand for this green in order to make the limited stock available this year go round.

Welch Bros., who consider Memorial day their third day of importance in a year's business, are looking forward to what now gives evidence of being their record-breaker. Preparations to meet the rush and facilitate deliveries have been planned with their usual care and attention.

Geo. Smith, of the firm of Remick & Smith, South Framingham, market growers, withdraws from the firm June 1. After spending a month's vacation at Halifax, N. S., his old home, he returns to Saxonville, where he will be foreman for Alexander Mackay.

The J. A. Budlong Co. is among the few firms cutting Kaiserin roses at present and their first stock is characteristically superior. This rose is always a prime favorite and when in anything like first class condition gives great satisfaction in summer.

B.

New Bedford, Mass.

At the regular monthly meeting of the Horticultural Society held May 11 in the rooms of the Y. M. C. A. building, Wm. N. Craig, of North Easton, Pa., gave a very interesting talk upon the use of perennial plants. The substitution of perennials for the carpet bedding so much in favor 30 years ago, awakens no feelings of regret in the mind of Mr. Craig, who said that from the appearance of the winter aconite and the crocus, until the first frost cuts down the last rose of summer, a well kept herbaceous border will give a continuous supply of bloom both for ornamental effect and for cutting.

Mr. Craig's ideas of preparation and

We Can Supply

Peonies
and plenty of them.

Carnations
Nice crisp stock.

Spanish Iris
All colors.

Cornflower
Blue.
FOR
Memorial Day.

Personal Attention Given all Orders

Large and Small.

Write for Price List.

W. E. McKISSICK,
WHOLESALE FLORIST,
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Everything Seasonable.

PITTSBURG FLORISTS' EXCHANGE, —15— Diamond Sq., **Pittsburg, Pa.**

AMERICAN BEAUTIES
Lily of the Valley, Carnations and all Tea Roses,
In lots of one hundred to one thousand. Phone or wire us.
WELCH BROTHERS, 226 Devonshire St. **Boston, Mass.**

GRAFTED AND OWN ROOT ROSES
KAISERIN, CARNOT, KILLARNEY, RICHMOND, LIBERTY, BRIDE and BRIDESMAID.
—Send For Prices—
W. H. ELLIOTT, BRIGHTON MASS.

cultivation were perhaps a little too elaborate for the means of the amateur, to say nothing of the incidental cost of a number of choice plants and bulbs which are at the present time high. The herbaceous border, the speaker said, should be well trenched and enriched with rotten manure and should have a background of shrubs from which all evergreens should be excluded. The different varieties should be planted in clumps for extensive grounds, but in small gardens the clumps must, of course, be reduced to single plants. Early October is the best time to plant, and considerable pleasure and profit are to be had by experimenting with many plants. By sowing seed in March and in the fall, and by judicious pinching or cutting back and wintering in cold frames, perennial phlox, native asters and several other things are capable of yielding excellent results.

The length of the list of good perennials is limited only by the length of the purse. Mr. Craig recommended the planting of bulbs, especially the Spanish, Japanese and German iris. The Spanish iris in particular lasts three or four years without replanting, and the flowers are equal to many orchids, while German irises must be frequently divided or they will rot. The peony he considered indispensible, but too well known to require discussion. Narcissus and Darwin tulips stand high in the speaker's estimation. The broad petaled Lilium Canadense carries off the palm for outdoor and indoor cultivation. This lily, if for outdoor culture, should be planted one foot deep. Mr. Craig was given a rising vote of thanks.

Wm. F. Turner made a report for the committee appointed on the protection of native wild flowers and evergreens. A meeting of the committee was held two weeks ago, but besides the three members of the Horticultural Society, the two delegates from the Farmers' Club, and Miss Wood, nature teacher in the local schools, representing the Teachers' association, none of the delegates appeared. Secretary Caster will represent the Y. M. C. A., but the Country, Brooks and Pilgrim clubs have not been heard from.

J. B. Murdoch & Co.
714 Penn Avenue,
PITTSBURG, PA.
All Seasonable Flowers.

Wholesale Flower Markets

PHILADELPHIA, May 20.

Roses, Tea	4 00@ 6 00
" " extra	8 00@10 00
" Liberty	6 00@25 00
" Beauty, extra	20 00@25 00
" " first	10 00@15 00
Carnations	1 50@ 3 00
Lily of the valley	2 00@ 3 00
Asparagus, bunch	50 00
Smilax	15 00@20 00
Adiantum	1 00@ 1 50
Cattleyas	50 00@60 00
Lilium Harrisii	6 00@ 8 00
Mignonette	2 00@ 3 00
Sweet peas	50@ 75
Gardenias	15@ 25

PITTSBURG, May 20.

Roses, Beauty, specials	20 00@25 00
" " extras	12 50@15 00
" " No. 1	6 00@ 8 00
" " ordinary	4 00
" Bride, Bridesmaid	2 00@ 8 00
" Chatenay	2 00@ 8 00
" Richmond	3 00@10 00
" Perle	4 00@ 6 00
" Killarney	4 00@ 8 00
Carnations	1 00@ 3 00
Lily of the valley	3 00@ 4 00
Smilax	15 00
Asparagus, strings	50 00
" Sprengeri	3 00@ 4 00
Lilies	6 00@ 8 00
Adiantum	1 00
Cattleyas	75 00
Sweet peas	50
Gladiolus	4 00@ 6 00
Iris, Spanish	6 00
Gardenias, Cape Jasmine	2 00

Pittsburg Cut Flower Co.
(Limited)
WHOLESALE FLORISTS
222 Oliver Ave. PITTSBURG, PA.

BOSTON, May 20.

Roses, Beauty, best	15 00@20 00
" " medium	10 00@12 00
" " culls	6 00@12 00
" Bride, Bridesmaid	1 00@ 2 00
" Extra	4 00@ 8 00
" Liberty	8 00@12 00
Carnations	1 00@ 2 00
" Fancy	2 00@ 3 00
Smilax	8 00@12 00
Adiantum	75@ 1 00
Asparagus	35 00@ 0 00
Harrissi	10 00@12 00
Callas	8 00@12 00
Daffodils	1 00@ 2 00
Narcissus	2 00@ 3 00
Sweet peas	50@ 1 00

HOBOKEN, N. J.—Robert Eberle, a retired florist made all arrangements to commit suicide by gas, ordered flowers, beer and a band for his funeral and notified the police of the coming event so they could send an officer to shut the gas off to prevent the bill running up too high. Being watched he has decided to postpone the event.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

London, Eng.

COMMISSIONS CARRIED OUT IN LONDON

or any part of Great Britain.

Messrs. WILLS & SEGAR will attend to any commissions from American florists for the supply of Cut Flowers, Birthday flowers, Bouquets, High Class Floral Designs, etc. to their clients who may be traveling in England.

WILLS & SEGAR, Court Florists to His Majesty, The King.

ROYAL EXOTIC NURSERY.

TELEGRAMS, FLOSCULO, LONDON. Onslow Crescent, South Kensington, LONDON, ENGLAND.

Mobile, Ala.

Chatogue Greenhouses

TWO ACRES UNDER GLASS. ONLY HIGH CLASS FLORAL WORK SOLICITED.

Orders to be delivered at short notice in or near Mobile or New Orleans will be executed with fresh stock from our mammoth plant by our own artist at Mobile, or Mr. U. J. Virgin, New Orleans Orders by telegram at our expense.

Reference: R. G. Dunn & Co.

Philadelphia, Pa.

Robert Kift,

1725 Chestnut Street.

Prompt and Careful Attention given to all Mail and Telegraph orders.

Nashville, Tenn.

Joy Floral Co.,

610 CHURCH STREET.

She Missed Her Violets.

They must have been quarreling over something—he and she—the other day, for she was distinctly heard to say: "Oh, very well, then, if you think that way about it—"

He turned on his heel and she left in the opposite direction.

But remorse evidently entered the breast of the young Lothario, for he hesitated a moment, then turned resolutely into one of the florist shops.

"Miss —— prefers violets with lily of the valley," suggested the florist, adroitly, when the young man, who seemed as one in a dream, hesitated in his choice of flowers.

"She does!" he exclaimed sharply, awakening from his lethargy. "How do you know that?"

"How do—how do I know?" faltered the surprised florist, "why—at least that is what most of the other young gentlemen send her."

"Humph! She'll get no violets from me! Send carnations!" and he banged the door.

KEENE, N. H.—Wm. M. Foley's large greenhouse on Armory street, was badly damaged recently by a miniature cyclone which occurred in that vicinity. The wind got into the greenhouse through an open door, raised the roof from its supports, and blew off several ventilating skylights. The loss by broken glass and damaged plants is estimated at about $75.

Detroit, Mich.

John Breitmeyer's Sons

Cor. Miami and Gratiot Aves.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

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Samuel Murray

...FLORIST...

1017 Broadway Coates House Conservatory

Both Phones 2670 Main.

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Telegraph Orders a Specialty. 218 W. 4th St.

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HOUGHTON & CLARK,

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Woodland Seed & Floral Co.,

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Will fill all orders for Cut Flowers, etc. for steamers for Japan and Alaska or any part of the Pacific coast. A. L. AABLING, Gen. Mgr.

Louisville, Ky.

JACOB SCHULZ,

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Cut Flowers of BEST QUALITY in season, delivered promptly to any address.

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HAUSWIRTH FLORIST

M. C. and J. E. Hauswirth.

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Mail, telegraph or telephone orders filled promptly in best style.

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Greenhouses: Short Hills, N. J.

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Best Quality on Shortest Notice

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CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

Choice Cut Flowers, Plants and Decoratives

Sent immediately to any part of the city or Middle West on receipt of order.

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Established in 1857.
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The Cleveland Cut Flower Co.
Will fill your orders for designs and cut flowers in
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Regular discount allowed on all orders, either Plants or Cut Flowers.
Phones Bell, Main 2306. Kinloch, Central 4981.

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—FLORIST—
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Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones

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Fred C. Weber,
FLORIST,
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Milwaukee, Wis.
C. C. Pollworth Co.
Will take proper care of your orders in **WISCONSIN.**

A sign like this in your window will draw good business now.

Steamship Sailings.

WEEK ENDING MAY 30.

May 26, Kronprinzessen Cecilie, Bremen-N. Y.
May 26, Kaiser Wilhelm II, New York-Bremen.
May 27, Statendam, New York-Rotterdam.
May 27, Cassel, Baltimore-Bremen.
May 27, Westernland, Liverpool-Philadelphia.
May 27, Teutonic, New York-Southampton.
May 27, Majestic, Southampton-New York.
May 28, Carpathia, New York-Trieste.
May 28, La Savoie, New York-Havre.
May 28, Ottawa, Liverpool-Montreal.
May 28, Arabic, New York-Liverpool.
May 28, Baltic, Liverpool-New York.
May 28, Cretic, Genoa-New York.
May 28, Corinthian, London-Montreal.
May 28, Deutschland, New York-Hamburg.
May 28, Bluecher, Hamburg-New York.
May 28, Prinzess Irene, Genoa-New York.
May 28, Derfflinger, New York-Bremen.
May 29, Manitou, Philadelphia-Antwerp.
May 29, Corsican, Montreal-Liverpool.
May 30, Philadelphia, New York-Southampton.
May 30, New York, Southampton-New York.
May 30, Friesland, Philadelphia-Liverpool.
May 30, La Lorraine, Havre-New York.
May 30, Southwark, Montreal-Liverpool.
May 30, Pomeranian, Montreal-London.
May 30, Caledonia, New York-Glasgow.
May 30, Furnessia, Glasgow-New York.
May 30, Graf Waldersee, New York-Hamburg.
May 30, Kroonland, New York—Antwerp.
May 30, Vaderland, Antwerp-New York.
May 30, Koenigin Luise, New York-Genoa.
May 30, Potsdam, Rotterdam-New York.

Kansas City, Mo.
WILLIAM L. ROCK Flower Co.,
Will carefully execute orders for Kansas City and any town in
Missouri, Kansas or Oklahoma.

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EYRES
Flowers or Design Work.
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The Park ...Floral Co.
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Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

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Palmer's
W. J. Palmer & Son, 304 Main St.

The Seed Trade.

American Seed Trade Association.
Geo. S. Green, Chicago, Pres.; M. H. Duryea, New York, First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-sixth annual convention, June 23 to 25, at Hotel Ponchartrain, Detroit, Mich.

BEANS.—Hand-picked White selling at $2.62 and Wardwells at $1.75. Think of it!

EGYPTIAN grown onions have been received and sold well in New Orleans last week. They are hard and firm and better than local or Texas stock.

TEXAS grown Bermuda onions, Yellow and Crystal White Wax, are now on the market in central western cities in full supply at $1.25 to $1.50 per bushel.

BLUE GRASS seed prospects are reported as promising a full average crop though the acreage is probably slightly less than last year. It is said the combine is likely to support the market.

ST. LOUIS, MO.—Few onion sets are grown in this section, a few of the market gardeners raising from one-fourth to two acres yearly, the total area probably aggregating about 15 acres.

L. H. ARCHIAS, of Archias' Seed Store Corp., Sedalia, Mo., and J. C. Archias, of the Barteldes Seed Co., Denver, Colo., will sail from New York June 4 on the S. S. Amerika for a two months' trip.

LOUISVILLE, KY.—Onion seed for sets occupies a little larger area this year than last, but the weather on the whole has not been very favorable for sets up to this time. Prominent growers here expect a larger crop, all things being well.

NEW YORK.—Texas onions are in oversupply here. Crystal White Wax are affected with a smut and sell slowly. Bermuda grown onions are arriving freely and have sold well, but prices are being cut this week. Egyptian sold at double the price of other stocks.

BOSTON, MASS.—John Fottler, Jr., who has been seriously ill at New Haven, is expected home next week. His friends have been very anxious about him.—Fire in the store of the H. E. Fiske Seed Co., May 16, damaged seeds, fertilizers, incubators and other goods to the extent of $1,500.

THE Western Seedsmen's Association, which met at the Auditorium Annex, Chicago, May 16, transacted routine business and seemed to enjoy that social relaxation which the gathering promoted and the passing of the busy seed selling season permitted. Among those present were: H. A. Johns, C. N. Page, L. L. May, J. E. Northrup, F. W. Barteldes, S. F. Leonard, A. Plant, Mel L. Webster, A. J. Brown, W. B. Griswold, H. W. Buckbee, L. H. Vaughan, E. Von Windheim, A. Guttman and T. C. Dorner.

Braslan Seed Growers' Co.
Growers for the Wholesale Trade Only.
SAN JOSE, CAL.

NEW YORK.—F. W. Bruggerhof, of J. M. Thorburn & Co., is making a California trip.—Hamakichi Suzuki, of the Yokohama Nursery Co., returned from Europe May 16.

AN American consular officer in the West Indies reports that an American commission merchant in the city in which he is located is in a position to handle an agency for American peas and beans. Full particulars may be had on application to the Bureau of Manufactures, Washington, D. C., using file number 2244.

ONION SET crops about Chicago show a good fair stand where the seed is up; south of the city probably 95 per cent of the proposed acreage has been sown; north and northwest of the city on low ground probably one-third of the possible acreage is not yet in the ground, the recent rains having put the land in bad shape.

CHICAGO.—Grass seed contract prices on the board of trade May 19 were noted as follows: Prime Timothy, $4.25 (nominal); choice white clover, $15.—Corn and oats are close to record prices.—Beans were quoted on May 20 at about $2.65.—Visitors: A. T. Ferrell, Saginaw, Mich.; Howard Earl and wife, Philadelphia, Pa.

TOLEDO, O.—The seed and implement business of the late H. C. Hotchkiss has been sold to H. H. Friedly, who was the bookkeeper and confidential man for the last 10 years. The business will be conducted under the name of H. H. Friedly, the partnership being owned by H. H. Friedly and Chas. F. Friedly, of Bedford, Monroe county, Mich.

FREDERICK C. GRAVES, who carries on a mail order seed business, pleaded guilty and has been indicted by the federal grand jury at Des Moines, Ia., for unlawful use of the mails. The government charges that he advertised seeds which he grew himself and filled the orders with seeds purchased at other places. It is alleged that he never paid for most of the seeds he bought.

ONE of our correspondents, who has just made a trip through the Santa Clara valley, states that sweet peas and lettuce will have to move lively to produce a crop. The late rains, however, may cause what looked a bad season six weeks ago to turn out better than expected. Chas. P. Braslan is reported as saying that his crops never looked better, mentioning onion as looking fine.

Erfurt Seed Stocks and Crops.

Stock-taking after the close of the wholesale season can now be undertaken and results turn out roughly something as follows: Very good sales have been made in lettuces, both cos and cabbage sorts; peas, celeries, Savoys, chicory, egg plants and endives, and a satisfactory turnover has resulted in cabbages, kales Brussels sprouts, kohl rabis, vegetable marrows, capsicums, tomatoes, leeks, parsnips, and mangel wurzels; moderate business only has been done in spinach, parsley, carrots and turnips while the sales of onions, cucumbers and beans, especially the latter, have fallen below expectations, says the Horticultural Trade Journal. In cauliflowers the Autumn Giant and Algiers varieties have done well, but others only moderately. Radishes have gone off all right except the autumn and winter kinds, which have rather hung fire. With the exception of sage and thyme, herbs are pretty nearly cleared out.

As to the prospect of the growing crops, it is difficult to say much at present, as everything is so backward. Cabbages appear in good form. Leeks look first rate. Celeries, fairly well. Kohl rabis, fair to poor, while carrots vary in different situations. A full report can hardly be given for three or four weeks, when prospects will have assumed a more definite shape.

Flower seed prospects can perhaps be judged with little more accuracy. The winter has been long, with spasmodic intervals of frost and thaw. Such conditions are generally very trying for our over year crops, but fortunately a fairly good snowfall has acted as a protection against the low temperature. Nearly all kinds of perennials and biennials have come through the winter in good shape, and few shortages are probable, unless May frosts should supervene, which, however, are not frequent in this climate. Pansies, myosotis, single wallflowers, bellis, campanulas, garden carnations, etc., all look healthy though on the small side, while auriculas and primulaceæ generally promise well for seeding. Myosotis may yet suffer by frost during the blooming season, but pansies can take care of themselves better in this respect.

As regards annuals, the autumn sown ones, such as larkspurs, are coming on strongly, but the spring sown kinds are not making much progress. The inclement weather has also checked the development of asters, phloxes and other annuals usually raised in frames, the plants being even now hardly large enough to handle and put out into the fields. Some fine growing weather is now a desideratum, or we shall be badly crowded up in the early weeks of summer.

A Real Chance to Fight Free Seeds.

The democrats in the second Illinois district are willing to support a seedsman candidate against James R. Mann, but the district (four Chicago wards) is ordinarily strongly republican, about two to one. The Chicago Daily Tribune had the following in its issue of May 17:

Something is on the fire out in the Second congressional district which, when taken off, will prove to be the most delicate political confection baked in many years in Chicago. J. C. Vaughan, president of Vaughan's Seed Store, is requested to become the democratic candidate for congress against Congressman James R. Mann, republican, who is widely known as the most distinguished horticultural congressman ever produced in the ten Cook county districts.

If Mr. Vaughan and Mr. Mann finally get to the mat it is a certainty that the Los Angeles flower show will be made to look like a cluster of dandelions in a back yard.

Horticulture is by no means Mr. Mann's chief claim to fame, but it is his most picturesque. His devotion to petunias, nasturtiums and morning glories is known throughout the length and breadth of the Second district, which includes most of the Sixth ward and the Seventh, Eighth and Thirty-third.

Hyde Park has been made a garden by Mr. Mann's able manipulation of congressional seeds. Mr. Vaughan's reputation in the seed line is too well known to permit of any amplification. A political contest between the two, it is evident, would do more to produce a city beautiful than anything which has been undertaken in many years.

PURE SEED BILL PURE BUNK.

Mr. Mann is not in well with the other seedsmen of the city, which may or may not explain Mr. Vaughan's availability as congressman. Mr. Mann not only is looked upon as a threatening factor in the seed business, owing to the lavishness with which he distributes

seeds gratis, but he increased his unpopularity in horticultural circles by introducing in congress a pure seed bill, which has been described in professional seed circles as being "pure bunk."

Furthermore, libels and scandalous remarks to the effect that Mr. Mann's congressional seeds refused to grow when planted in the kindly earth have been circulated among his constituents, but it never has been proved beyond all doubt that his petunias and nasturtiums declined to come forth and blossom according to their species.

It is a fact, however, that Mr. Mann's horticultural tendencies have been viewed with alarm by many horticulturists, and when he established a nursery on a vacant lot in Hyde Park and proceeded to grow young trees for distribution among his constituents this alarm became a positive panic.

It is apparent if Mr. Vaughan and Mr. Mann come to extremities in a congressional fight that Ald. Peter Reinberg and his horticultural campaigns for the city council will become as nothing. The Mann-Vaughan contest will become the big flower show.

Imports.

During the week ending May 16 imports were received at New York as follows:

McHutchison & Co.: 154 tubs laurel trees, 12 cases plants.

Frank H. Darrow: 90 tubs laurel trees, 36 cases plants.

John Scheepers & Co.: 43 cases plants, two tubs laurel trees.

Vaughan's Seed Store; 22 cases plants, two tubs laurel trees.

Chas. F. Meyer: 20 cases plants, 12 tubs laurel trees.

J. M. Thorburn & Co.: five bags grass seed.

To others; 270 tubs laurel trees, 130 pkgs. plants, 66 cases plants, 23 cases orchids. 440 bags seed, 200 bags flower seed, 397 bags clover seed, 200 bbls. clover seed.

Double-Crossed.

The Daffodil.—"Great petals! Rosey, old chap, what happened you? Got the spotted fever?"

The Rose (fiercely).—"I've been Burbanked, that's all."—Puck.

Waldo Rohnert
GILROY, CAL.
Wholesale Seed Grower
Specialties: Lettuce, Onion, Sweet Peas, Aster Cosmos, Mignonette, Verbena, in variety.
Correspondence solicited.

MICE PROOF SEED CASES.
SEND FOR BOOKLET.
HELLER & CO., Montpelier, O.

Telegraph Code
Am. Seed Trade Association
$2.00
In either stiff or flexible cover. Address orders AMERICAN FLORIST CO., CHICAGO.

LAWN GRASS SEED in Bulk and Packages
Dickinsons, Evergreen, and Pine Tree Brands
SPECIAL MIXTURES SEED FOR GOLF GROUNDS
MINNEAPOLIS THE ALBERT DICKINSON CO. CHICAGO

PROCEEDINGS
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This publication includes the formal addresses and discussions of the papers read at the meeting which covered the various phases of Horticulture. This meeting was pronounced by Horticultura authorities as one of the greatest Horticultural meetings ever held in a single day,
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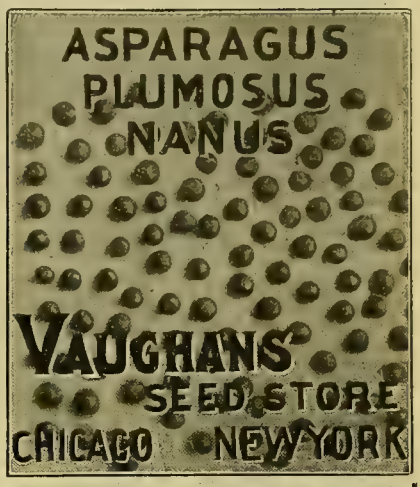

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Rogers Brothers,
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Purest Strains GARDEN PEA and BEAN SEED.
For the Wholesale Trade. ALPENA, MICH.

CAULIFLOWER CABBAGE SEED
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To Close Out Surplus Stock.

Choicest Single Mixed.
$2.00 per 100; $15.00 per 1000.

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$3.00 per 100; $25.00 per 1000.

Begonia Duke Zeppelin.
60c per dozen; $4.00 per 100.

New Frilled Tuberous Begonias.
In choicest mixture.
$1.00 per dozen; $7.00 per 100.

Begonia Lafayette.
$1.00 per dozen; $8.00 per 100.

These prices are special and will be withdrawn as soon as surplus is reduced.

HENRY A. DREER, 714 Chestnut St., Philadelphia.

MARKET GARDENS.

Cucumbers and Tomatoes.

The skilful grower aims to get good root action before he expects fruit. To accomplish this, careful watering is most important. The aim should be to compel the young plant to search for food and moisture and not to clog its young system by an over-supply. There is no better method than to use the hoe and weeder, and to supply only enough moisture at any time to produce the proper atmosphere and not enough to settle this top layer of loose earth. A solid bed thus treated will carry the plants along for a month or more, without a single soaking. It will compel the roots to go down and search for their supply, instead of up. Later on, when the fruit forms and a mulch is applied, they will get near the surface quickly enough. The observant grower will soon read the message on the foliage. When the tomato leaves glisten as if dusted with some shining metallic powder, they are coming along all right; if green or yellowish they are too wet. If bluish, too dry.

MARKETMAN.

Hints to Mushroom Growers.

I would remind your readers who are interested in mushroom culture of a few stumbling blocks often overlooked, writes a correspondent of The Country Gentleman. In turning up a portion of a bed maggots may be discovered in the manure. A few may do no perceptible harm, but a large number will eat up the spawn, leaving not even a thread to develop a single mushroom. Many kinds of insects are apt to swarm in warm cellars, together with the egg-laying varieties which cause the maggots, regardless of foul air which may often accumulate and which is an injury to the mushrooms. In each succeeding bed in large cellars insects follow up the new beds and become more vigorous; a high temperature such as we had last fall is conducive to their continued existence in summer garb. A good crop, however, can be secured in spite of them when the houses are kept at all times cool.

When mushrooms are grown in glass houses the return pipes are best run under the walks. In the usual way of heating where the pipes run under the benches, paper placed over the beds will be found beneficial as a protector from excessive heat and drying. With good, vigorous spawn, properly prepared compost and care about the requirements of heat and moisture, a good crop is a positive certainty. There are garden crops equal if not surpassing the mushroom as money makers to the producer, but no one need complain of well-managed mushrooms.

TO THE TRADE

HENRY METTE QUEDLINBURG, GERMANY.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: **Beans,** Beets, Cabbages, **Carrots,** Kohl Rabi, Leek, Lettuces, **Onions, Peas, Radishes,** Spinach, Turnips, Swedes, **Asters,** Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspurs, Nasturtiums. **Pansies,** Petunias, Phloxes, Primulas, Scabious, **Stocks,** Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, mixed), the most perfect and most beautiful in the world, $5.00 per oz.; $1.50 per ¼ oz.; 75c per 1-16 oz. Postage paid, Cash with order.

All seeds offered are grown under my personal supervision on my own grounds of more than 3,000 acres, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

List of my novelties in flower seeds for 1908 sent on application.

Prices of Indoor Vegetables.

The prices of indoor vegetables at leading points May 16, were as follows: New York, cucumbers, No. 1, $2.50 to $4 per box; No. 2, $1.25 to $2 per box; lettuce, 25 cents to 75 cents per dozen; mushrooms, 25 cents to 60 cents per pound; radishes, $1 to $2 per 100 bunches; rhubarb, $1.50 to $4 per 100 bunches. Chicago, cucumbers, 40 cents to 60 cents per dozen; radishes, 30 cents to 35 cents per dozen bunches: Cincinnati, cucumbers, 60 cents to 70 cents per dozen; mushrooms, 50 cents to 60 cents per pound. Philadelphia, cucumbers, $1 to $1.50 per dozen. Pittsburg, cucumbers, $3.50 to $4 per box. Boston, tomatoes, 30 cents to 35 cents per pound; cucumbers, $4.50 to $5 per box.

BETHLEHEM, PA.—The committee having in charge the arrangements of the public floral festival in the market house June 10, held an enthusiastic meeting May 13 in the office of Charles H. Riegel, in the Globe building. Various reports were received and discussed. Acceptances were received from John E. Haines and J. A. Fries, who will make fine displays and compete for the professional prizes to be offered.

Vegetable Plants.

	Per 100	1000
Cabbage, Wakefield L. I. Second Early. Early Flat Dutch, Early Summer, Winningstadt, and other later varieties, $1.00 per 1000; $8.50 per 10,000.		
Beet, Eclipse, Crosby's and Egyptian	$ .25	$1.25
Lettuce, Boston Market, Tennis Ball, Big Boston and Grand Rapids	.20	1.00
Celery, White Plume and G. S. Blanching	.20	1.00

Cash with order.

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If You Want a Really Successful Crop of Mushrooms use only

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Grandiflora Alba, the largest giant White grown. See block 1 year old plant.

Ourown, certificate at R. B. S.
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Sunray, giganteum variety, fine. Full list of varieties sent on application.

PRIMULA SINENSIS,

These are in seven DISTINCT colors.

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Fine 5-in. Hydrangeas in bloom, $35 per 100

A large stock of **GERANIUMS** and **ROSES**, in variety, for immediate delivery.

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JULIUS ROEHRS CO.,
The Orchid Nurseries, **RUTHERFORD, N. J.**

Orchids!

Arrived in excellent condition: Cattleya Trianæ. C. labiata, C. Mossiæ, Oncidium varicosum, Vanda cœrulea, Dendrobium formosum and D. Dalhousianum.

Lager & Hurrell, Summit, N J

BENNINGTON, VT.—While L. C. Holton of School street was going through a local mill May 5, he opened a door and thinking he was going into an adjoining room stepped into an open elevator shaft. He fell about seven feet, striking on a piece of projecting iron on the top of the elevator which was rapidly coming up. He was taken off almost unconscious and taken home. The physician who examined him stated that he thought three of his ribs were cracked and possibly broken.

OUR IMPORTATION

Will arrive in two weeks time, and prices on cases will be from $45.00 to $50.00 each of 500 strong bulbs or 45 to 50 plants.

In order to help our customers we give **Special Sale for Fifteen Days:**

C. Trianae

Established plants from 7 to 10 bulbs with no less than two new growths, $1.00 each; 10 to 15; $1.50.

C. Gaskelliana

15 to 25 bulbs, $2.00 each.

ORDONEZ BROS. MADISON, N. J.

Surplus Cannas.

	Per 100	1000
King Humbert	$4.00	$35.00
Allemania, David Harum, Giant Crimson, California (orange), Evolution (yellow), Duke of Marlborough	2.50	20.00

THE CONARD & JONES CO., West Grove, Pa.

ORCHIDS.

ARRIVED in fine condition, a fine importation of C. Trianæ, C. Labiata, C. Schroederæ. C. Gigas Sanderiana, C. Harirsoniæ, C. Citrina, Lælia Anceps. Oncidium Varicosum Rogersii, Onc. Ornithorhynchum, Onc. Tigrinum, Odontoglossum, Insleayi, O. Rossii Majus.

We carry Orchid Peat, Sphagnum Moss, Baskets, etc.

CARRILLO & BALDWIN, Secaucus, N. J.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World.

SANDER, St. Albans, England.

NEW YORK OFFICE: Room 1, 235 Broadway. **T. MELLSTROM,** Agent.

The Nursery Trade

American Association of Nurserymen.

J. W. Hill, Des Moines, Ia., President; C. M. Hobbs, Bridgeport, Ind., Vice-President; George C. Seager, Rochester, N. Y., Sec'y.
Thirty-third annual convention to be held at Milwaukee, Wis., June 10-12, 1908.

BOISE, IDAHO.—C. P. Hartley is removing his nursery to Emmett.

VISITED CHICAGO: Jacs. Smits, Naarden, Holland; F. L. Olmsted, Brookline, Mass.

ACCORDING to present indications fruit crops in Utah will be above the average.

WOOSTER, O.—The Wooster Nursery Co. reports a great increase in the sales of ornamental and fruit trees.

TOPEKA, KANS.—R. L. Taylor has purchased the T. M. James farm near North Topeka, paying $9,750 for the property which will be used as a nursery.

VINCA MINOR, or periwinkle, is already flowering freely in sheltered positions in the wild garden, where it is quite at home and very attractive.

POLEMONIUM COERULEUM is one of the prettiest herbaceous subjects of the week, its bright blue flowers and elegant foliage rendering it very attractive.

QUEEN CITY, MO.—Wm. J. Murfin says he has sold his stock down closer this year than ever before. He fears the worst for the fruit crops in his locality.

IT is satisfactory, in view of the immense numbers of herbaceous plants that have been sold this season, that the showery weather has enabled them to get a good hold.

REFUND of duties in the case of United States v. Ouwerkerk referring to evergreen seedlings already noted in our columns, has been ordered by the treasury department.

THE newer varieties of Primula veris are likely to become very popular, for they are hardy yet stand light forcing under glass. They may be propagated freely now by division.

THE Peterson Nursery, Chicago, reports an unprecedented call for herbaceous stock. The landscaping department is obtaining special attention and the firm is sending out its usual list of peonies.

ORLANDO HARRISON, chairman of the national inspection committee of the American Association of Nurserymen, is asking for suggestions in line with the work of his committee.

SPRINGFIELD, O.—The Florists' Club has petitioned the city council for the appointment of a tree committee "to correct many faults in the present haphazard practices of tree planting and result in practical benefits to our city as well as adding materially to beautifying it." The council while not taking any action in the matter as yet appears to be in accord with the proposal.

CHICAGO.—Frederick Law Olmsted arrived here May 14 from a trip in the west, to confer with the members of the South Park commission with regard to several playgrounds in that part of the city, but principally Grant park. Mr. Olmsted's plan for improvement of the lake front will be illustrated by a giant model on which experts have been working the last month in Blackstone hall at the Art Institute, where it will soon be exhibited to the public.

THE trees and shrubs in Jackson park, Chicago, never looked better than at present. The abundant rains and absence of dry harsh winds have produced a green, healthy leafage and the varied spring greens were never better displayed. The lilacs will be at their best in another week while there are many pretty and interesting shrubs in flower. The herbaceous beds, too, are rapidly coming in line and much relabeling has been done, enabling visitors to see the correct names of the plants they admire. We would like to see this extended to the trees and shrubs.

NORTH YAKIMA, WASH.—The Horticultural Union met May 9 and elected the directors for the coming year. Those who served last year were re-elected: M. N. Richards, W. N. Irish, E. Remy, W. L. Wright, E. G. Peck, L. B. Kinyon and J. M. Brown. Manager Samson spoke of taking other fruit for sale, as the union was under a large expense for the men that they hired and for the expenses for cold storage. He stated that he thought that by taking other fruit they could keep all the men busy and thereby make the running expenses about the same, while a larger amount of business was being taken care of. Resolutions were passed commending the management and the directors for the fine work that they had done in the past year.

CONSIDERABLE plantings of locust are reported from various Pennsylvania points.

Polygonum Auberti.

This species, a native of Thibet, is one of the quickest growing of climbing plants, resembling P. Baldschuanicum, but differing from it in the pure white flowers and exceeding it in rapidity of growth and vigor. The plant is thoroughly hardy in this country, and is excellent for clothing arbors, pergolas, and walls, says an English journal. When this plant was first introduced it was stated that it could easily cover an area of 30 square yards in two years, and this statement is perfectly true. P. Auberti is not particular as to soil, and it possesses a graceful habit.

California Privets.

ED. AMERICAN FLORIST:—

Will you please tell me how to take care of California privet? We just planted 2,000 of them the last week in April. They are from three and one-fourth to four feet high, bushy stock, three times transplanted; the roots were very dry, as they came from New York, and must have been on the road about two weeks. We at once watered them thoroughly and planted them in a trench about 20 inches deep and 14 inches wide. A layer of rotted cow manure about three inches was put down; then two inches of soil; then the privets were planted 15 inches deep. We first put in soil about six inches, then fill in water; this gives them a good wet bottom for some time. There are some of them starting to grow. Here and there they come out a little green. How long will it take the others to come? The wood is sound and soft yet. Will the privets grow out very much this summer? How would you trim these? PRIVET.

The privets appear to have been treated all right and the cause of their not starting more regularly is doubtless the long drying they were subjected to. We should not care to plant so deeply as you have done, or use so much manure at first; still, this would probably not account for their not starting well. The best thing to do now is to keep the surface soil moved frequently to admit the air to the roots, and not let them dry out. The privet is a plant that is very easily satisfied once it gets hold, and this your plants will doubtless do this season and will make better growth next year. Trim them in a little at once and next year they can be trimmed in any form desired. Should any plants die out, replace them next season with stock purchased nearer home. Remove also any plants that do not make a reasonable amount of growth this year and replace these also. G.

BOXWOOD.

BOXWOOD.

The plants imported this season are the handsomest ever brought to this country. Prospective purchasers will do well to visit our nurseries and inspect the stock before buying.

Standard Boxwood. 3 ft. diameter, fine specimens, $7.50 each. 2½-ft. diameter, fine specimens, $4.50 each; 2-ft. diameter, fine specimens, $3 each; 18 to 20-in. diameter, fine specimens, $2; 15 to 18-in. diameter, fine specimens, $1.50. Buxus, round shape (perfectly round), 2-ft., $2.50; for hedging, 8-in., $25, $30 and $35 per 1,000; for hedging, 10-in., variegated, $30 per 1,000.

Globe Boxwood. Fine specimens from $2, $3, $4, $5, $10 to $15 each.

Pyramid Boxwood. 5 ft., $4 each; 4 ft., $3.50 each; 3½ ft., $2.50 each; 3 ft., $2 each; 2½ ft., $1.50 each; 2 ft., $1 each; 18 to 24 in., 75 cts. each; 15 to 18 in., 50 cts. each. Pyramids, 5 to 6 ft. high, nicely shaped, per pair, $10 to $15. Special prices on larger sizes.

Bush Boxwood. These are all handsome bushy specimens, adapted for hedges.

	Each	doz.
10 to 12 in.	$0.25	$2.50
12 to 16 in.	.35	3.50
16 to 20 in.	.50	5.00
20 to 24 in.	.75	8.50
24 to 28 in.	1.25	12.00
28 to 36 in.	2.50	25.00
36 to 42 in.	3.50	36.00
42 to 48 in.	4.50	48.00

Clipped Boxwood. We have a fine collection in a variety of forms. Shall be pleased to have prospective buyers call and inspect the stock. Prices on application.

BAY TREES.

Our collection of Bay Trees consists of all sizes, in standard, pyramid, column and other forms. We have upwards of 2,000 trees, from which to select any stock you may desire. Special prices given. Write for prices.

An immense stock of hardy herbaceous plants, ornamental evergreens, shade trees, fruit trees, etc.

BOBBINK & ATKINS, Rutherford, N. J.

BOX TREES.

Beautiful shapely plants in fine condition and in nice green tubs.

PYRAMIDAL.

	Each	Per Pr.		Each	Per Pr.
2½-ft high	$ 2.00	$ 3.75	4 -ft high	$ 4.00	$ 7.00
3 -ft high	2.50	5.00	5 -ft high	7.00	13.00
3½-ft high	3.00	6.00	6 -ft high	8.00	15.00

STANDARD OR TREE SHAPED BOX.

Full, compact, well shaped.

	Each	Per Pr.
24-inch clear stem, crown 18 to 20 inches	$ 2.50	$ 4.50
24-inch clear stem, crown 24 inches	3.50	7.00
18-inch clear stem, crown 34 inches	4.50	8.00
24-inch clear stem, crown 34 inches	6.00	10.00

GLOBE SHAPED BOX TREES.

	Each.
12-inch diameter Globes	$ 1.00
18-inch diameter Globes	1.50

BABY BOX TREES, 12 - 18-in. Stem.

Crown 10-inch diameter ..... 50c each; $5.00 per dozen.

Prices include trees planted in nice, new green tubs. Order at once.

BAY TREES. (Laurus Nobilis.)

STANDARD or TREE SHAPED

Crowns	Each
16 to 18 inch diameter	$ 5.00
20 to 22 inch diameter	6.00
24 to 26 inch diameter	7.00
30 to 32 inch diameter	10.00
34 inch diameter	12.00

PYRAMIDAL SHAPED

	Each
4 ft. high	$ 5.00
5 ft. high	8.00
6 ft. high	10.00
7 ft. high	15.00

ARAUCARIA EXCELSIA.

SPECIAL OFFER. Strong plants from top cuttings in 4-inch pots, 6 to 8 inches high, with 2 to 3 whorls. Just the size to grow on for your fall sales. Every plant will make a 75c plant by October.

Order Now Before All Sold. **Price:** Per dozen, $5.00; per 100 $36.00.

VAUGHAN'S SEED STORE,

84-86 Randolph Street, CHICAGO
14 Barclay Street, NEW YORK.

Greenhouses and Nurseries: Western Springs, Ill.

Nurserymen at Milwaukee.

On the way to the Milwaukee Convention you should travel from Chicago via the beautiful north shore route of ***The North-Western Line,*** and thus have an opportunity to enjoy the beauty of a magnificent chain of Chicago's suburbs, with glimpses of splendid landscape gardening and a trip along the shore of beautiful Lake Michigan. Twenty-one trains a day between the two cities.

THE NORTH-WESTERN LINE

THE BEST OF EVERYTHING.

TICKET OFFICES:
212 Clark St.
(Tel. Cen. 721,)
and Wells St. Station.

LARGE TREES.

OAKS and MAPLES.
PINES and HEMLOCKS.
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA

THE
Storrs & Harrison Co.

PAINESVILLE NURSERIES.

CATALOGUES AND PRICE LISTS FREE ON APPLICATION.....

PAINESVILLE, OHIO.

BOXWOOD.

Bushes, 12-18 in	$ .30;	18-24 in	$ .75
" 24-30 in	1.25;	30-36 in	1.75
Pyramids, 30-36 in	1.50;	36-42 in	2.00
Standards, 36-in., 16-in. head			2.00
Edging, 4-in., 5c; 6 in			.08

Wagner Park Conservatories, SIDNEY OHIO.

To Grow Roses South.

The Dingee & Conard Co., West Grove, Pa., has leased a property near Charlotte, N. C., for the purpose of growing field roses. P. J. Lynch, treasurer, is at present on the ground preparing to plant 75,000 young roses to be shipped from West Grove at once. The soil and climate about Charlotte is very favorable to their growth. It is expected the number planted will be largely increased soon. Edward Hayes, an employe of the firm here, left May 12 for Charlotte to superintend the planting.

CONVENTION OF THE

American Association of Nurserymen

Milwaukee, Wis., June 10-12.

The official route between Chicago and Milwaukee selected by the Committee on Arrangements for this Convention is the

Chicago Milwaukee & St. Paul Railway

The Phoenix Nursery Co.

NURSERYMEN AND FLORISTS
BLOOMINGTON, - ILLINOIS.

—OFFERS:—

10,000 **Asters,** 2¼-in. pots, assorted colors, good stock.
5,000 **Althernantheras,** 2-in. pots, red and yellow.
1,500 **Cannas,** 4-in. pots, named varieties.
250 **German Ivy,** 2½- and 3-in. pots.
300 **Heliotrope,** 4-in. pots.
600 **Lantanas,** 2½-pots, named varieties.
500 **Lobelia Speciosa,** 2½-in. pots.
5,000 **Geraniums,** 4-in. pots, d'ble and single, pink white and red; all good kinds.
2,000 **Verbenas,** 2-½in. pots.
500 **Vinca Variegated,** 2½-in. pots.
500 **Dusty Miller,** 2-in. pots.
5,000 **Coleus,** 2½-in. pots, Golden Bedder, Verschaffelti and other varieties.
1,000 **Smilax,** 2-in. pots.
3,000 **Salvias,** 2½-in. pots, Zurich and St. Louis.

The above stock is first-class and in fine condition. Will make special low prices.

—WRITE US—

ARBOR VITÆ

(Thuya Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.
THE WM. H. MOON CO.,
Morrisville, Pa.

MANY trees grafted or budded standard high are ruined by reason of the stock not swelling fast enough to take care of the rapidly increasing head. Scoring the bark deeply in vertical lines with a knife has often proved a relief in such cases.

AZALEAS (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Coniters, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Jacs Smits, Ltd. NAARDEN, (Holland.)

Price list free on demand.

Peony Surplus List

NOW OUT.

Send for one. Low prices. Fine stock.

PETERSON NURSERY,
Lincoln and Peterson Avenues, CHICAGO

HYDRANGEA OTAKSA

Large Plants in Tubs and Half-Barrels for July and August Flowering.

We make a specialty of these, and have a magnificent lot of large plants, which we can supply in any quantity—from single plants up to carload lots.

Large Plants in Tubs.....$2.00 and $3.00 each. Extra Large Plants in Half-Barrels .....$5.00 and $7.50 each.

We can supply also a fine lot of plants in 6-in. pots, now in bud and bloom, fine for immediate sale or Decoration Day trade, at **$5.00 per dozen.**

VINCAS and ENGLISH IVIES. Extra fine plants in 3½ and 4-in. pots, for vases, tubs, etc. **$8.00 per 100; extra size, $10.00 per 100.**

FRENCH MARGUERITES in bloom. Large plants, 6-in. pots, extra fine, **$5.00 per dozen.**

CANNAS. Started plants in 3½ and 4-in. pots, ready for immediate planting. Mme. Nardy, Mlle. Berat, Robert Christie, Golden King, Pennsylvania, L. Patry, Florence Vaughan, Pandora, Austria, Souv. d'Antoine Crozy, Rohallion, Pierson's Premier, Queen Charlotte, Frederick Benary, etc.
Extra strong plants, $6.00 per 100.

PANSIES, ENGLISH DAISIES and FORGET-ME-NOTS. $3.00 per 100.

CROTONS for bedding. Extra strong plants, 3½-in. pots, **$25.00 per 100;** 5-in. pots, **$50.00 per 100.**

ACALYPHA MUSAICA. Extra choice, for bedding. 2½-in. pots, **$6.00 per 100.**

PANDANUS VEITCHII. 5-in. pots, **$9.00 per dozen;** 6-in. pots, **$12.00 per dozen;** larger plants, **$2.00 to $3.50 each**—according to size.

FICUS ELASTICA. 5-in. pots, **$4.00 per dozen;** 6-in. pots, **$6.00 per dozen.**

DRACENA FRAGRANS. Extra large plants in 6-in. pots, 3 ft. high, **$12.00 per dozen.**

FERNS, Assorted. Extra heavy plants, 2¼-in. pots, **$3.00 per 100;** 3½-in. pots, extra heavy, **$10.00 per 100.**

NEPHROLEPIS PIERSONI ELEGANTISSIMA. 2¼-in. pots, **$6.00 per 100;** 3½-in. pots, **$15.00 per 100;** 6-in. pots, **$6.00 per dozen;** 8-in. pots, **$12.00 per dozen.**

BOXWOOD, Pyramids. Extra fine plants, **$2.00 and $3.00 each.**

CARNATIONS, Winsor and White Enchantress. We can supply these in quantity, ready for immediate planting. Strong established plants from 2¼-in. pots, **$7.50 per 100, $60.00 per 1,000.**

F. R. PIERSON CO., Tarrytown-on-Hudson, New York.

Plants from 2½-in. Pots at 50c per doz, $3.00 per 100.

Asparagus Sprengeri, dwarf Alyssum, Ageratums, Princess Pauline, Inimitable, Blue Perfection, Bouvardia Humboldtii, Feverfew Little Gem, Gazania Splendens, Cupheas, double Petunias, Lobelia Emperor William, variegated Ice-plant, variegated Glechoma, Salvias, Zurich, Bonfire, Hydrangea Otaksa and Thos. Hogg; Rosemary, variegated Periwinkle; Moschosma riparium. Impatiens Sultani and Holstii, Swainsona alba, white Moonflower. Forget-me-not, Saxifraga sarmentosa. Parlor Ivy, Ferns, Euonymus radicans.

Plants from 3-in. Pots, strong at **$4.00 per 100.** Fuchsias, in bud and bloom, 4 varieties,, Geraniums, best commercial varieties. Heliotrope, dark blue and white, Gazania splendens, Rose and Peppermint Geraniums, Moonvine, the true white large flowering.

Coleus, Verschaffeltii, Golden Bedder, quadricolor, Firebrand, 2½-in Pots $2.00 per 100.

Athemantheras, 4 varieties $2.00 per 100 Summer flowering Forget-me-nots and Hardy pinks, assorted colors in bud and bloom $4.00 per 100.

Carnations, Robt. Craig, Elbon, Gov. Wolcott, Boston Market, Flora Hill, Enchantress. These are strong bushy plants and have been kept in cold frames. 2½-in. pots $3.00 per 100.

Dracaena indivisa, and **Sprengeri,** seedlings from flats at $1.00 per 100.

Clematis, large flowering varieties, 2-year-old plants, red, purple and white, $3.00 per dozen. Clematis paniculata, 4-in. pots, $1.50 per dozen, $10.00 per 100; 3-in. pots, $5.00 per 100.

Honeysuckle, Halleana and Red Trumpet, strong plants, $1.50 per dozen, $10.00 per 100.

Ampelopsis Veitchii, 4-in. pots, 2-year-old plants, $1.50 per dozen, $10.00 per 100; 3-in. pots, $5.00 per 100.

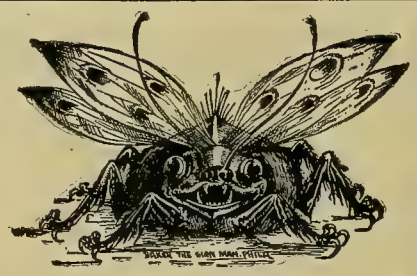
Ivy, hardy English. 4-in. pots, $1.50 per dozen $10.00 per 100; 3-in. pots, $5.00 per 100.

Cash with order please.

C. EISELE, 11th and Westmoreland Sts **PHILADELPHIA, PA.**

SAN FRANCISCO, CALIF.—In a shipment of 20,000 Chinese lilies consigned to a florist here recently nearly a score of large jet black rats, such as are found only in the orient, were hidden in the bales and when the packing cords were cut broke out. The most of the bales were not opened, and the board of health were notified of the importation of the pests.

LITTLE ROCK, ARK.—Directors of the Arkansas Floral Society met May 6 at the Hotel Marion. The directors present were: J. J. Mandlebaum, William Pollock, P. M. Palez, Bishop John B. Morris, A. Hamberg, Fred Rossner, R. Horrocks and George R. Brown. Homer Wilson was elected a member of the board in place of J. F. Letton, resigned. Fred Rossner was made first vice-president and Mr. Wilson second vice-president. It was announced that there are now 22 entries in the lawn and garden contest.



GERANIUMS.

S. A. Nutt, John Doyle and some pink, 4 in. pots, $7.00 per 100; and mixed varieties.

Begonia Vernon, newest strain, flowers as dark as blood; seeds gathered by myself from specimen plants in Zurich, Switzerland, during my trip to Europe; 4-in. pots, $8.00 per 100; 3-in., $6.00 per 100.

Begonia Erfordi, true; this is one of the best pink varieties known; it is a sight to see a bed of them in bloom; nothing but a mass of flowers. This plant decorates the flower beds of aristocratic people in England, Germany, Switzerland and Paris. Price; 4-in., $8.00 per 100; 3-in., $6.00 per 100.

	Per 100
Nasturtiums, dwarf, all shades, 3-in. pots	$5.00
Heliotropes, 4-in. pots	7.00
3-inch pots	5.00
Fuchsias, best varieties, 4-in. pots	10.00
Cosmos Grandiflora, white, red or pink, 3 plants in a 3 in. pot	5.00
Cannas, French, best varieties, about 12 different, distinct varieties by name, 4-in. pots	$7.00 to 8.00
Cobea Scandens, nicely staked up, 4-in.	10c
Petunias, California Giant, 3-in. pots	5.00
Inimitable or dwarf, 2½-in.	3.00
Verbenas, all shades 2½-in.	3.00
Phlox Drummondi, 2½ to 3-in., Grandiflora varieties	3.00
English or **Hardy Ivy,** 3 feet high, 4-in.,	12c
German or **Parlor Ivy,** 2½-in.	3.00
Centaurea Gymnocarpa or **Dusty Miller,** 2½-in.	3.00
Cuphea or **Cigar Plant,** 2½-in.	3.00
Lobelia, dwarf or trailing, 2½-in. (Crystal Palace)	3.00
Sweet Alyssum, Carpet of Snow or Little Gem, 2½-in.	3.00
Vinca Variegata or **Perriwinkle,** 4 in.	10.00
2½-in.	4.00
Coleus, Queen Victoria, Golden Bedder, Verschaffelti, 2½-in.	3.00
Fancy varieties	4.00
Tradescantia, 2½-in., two best varieties	3.00
Torenia Fournieri, 2½-in. pots	4c
Sallerol Geraniums, for borders, strong plants	4.00
Summer Chrysanthemums, 3-in. pots	4.00

Everybody Talks About It!

LIKE THE BEE

A Prosperous Florist Is Never Idle.

So is **GODFREY ASCHMANN,** the Philadelphia Hustler.

An immense stock of bedding plants is now ready. Every hole and corner full for immediate shipment.

Ageratum, dwarf, best blue, 4 in., $7.00 per 100; 3-in., $4.00 per 100.

Scarlet Sage or **Salvia,** Clara Bedman or Bonfire. Ours is the true genuine variety so much admired in all the capitals of Europe and America. Deep red, medium tall varieties; free bloomers. Seeds of these famous varieties were gathered by myself in Zurich Switzerland, the home of the Salvias. Price; 4-in., $8.00 per 100. Have 5,000 of these to offer.

Rose Bushes, imported from Europe last fall, 3 feet high, Paul Neyron, Mrs. John Laing, Magna Charta, Jacqueminot, Hermosa, 6 in. pots, 35c; Baby Rambler, 5½-in., 35c.

Clematis, the true Jackmani, 6-in. pots, 3 feet, 35c to 40c.

Don't Forget We Lead the World in

MOONVINES.

Watch and be careful you don't buy Morning Glories for Moonvines.

We grow only the best varieties, hybrid or **Ipomoea Noctiflora,** for which we have had, for the past 20 years, a world-wide reputation. We ship every season, May and June, 20,000 to 25,000 plants into every state and territory in America, and in Cuba and Mexico. This Moonvine is much earlier than any other variety in existence; blooms freely, with very fragrant, pure white waxy flowers, and as large as a saucer. Price: 4-in. pots, nicely staked up, 30 to 36 inches high, $12.00 per 100; 2½-in. pots, $5.00 per 100.

Kentia Belmoreana, 5¼-in. pots, 20 to 25 in. high, 40c to 50c; 4-in. pots 20-in. high, 35c; 6-in., just received from Europe, **Belmoreana** and **Forsteriana,** $1.00 each.

Araucaria Excelsa Glauca, spring importation, 1907; have only specimen plants left, 7-in. pots, 6 years old, 5 tiers 25, 30 35 to 40 in. high, the same in width $1.50, $1.75, $2.00, $2.50, $3.00 to $4.00 each. **Robusta Compacta,** the same.

Have just received from steamer, May 1, from Antwerp a big consignment of about 5,000 **Araucaria Excelsa,** of all sizes. Plants with 3 tiers, 8 to 10 in. high, 40c; 10, 12 to 14 in., 50c; larger sizes, 60c to 75c.

All goods must travel at purchaser's risk only. Cash with order, please.

GODFREY ASCHMANN, 1012 W. Ontario St., **Philadelphia**

Importer, Wholesale Grower and Shipper of Pot Plants.

OLYMPIA, WASH.—E. J. Berneche left May 8 for Portland and Chicago for the purpose of rousing the interest in the display of peonies which he purposes to conduct at the A. Y. P. exposition.

Special for Decoration Day

Fine 5-in. Geraniums at $15.00 per 100.
Fine stocky plants in bud and bloom, 2¼-in. $3.00; 3-in. $5.00; 4-in. $8.00; Nutt, Ricard, J. Viaud M. Chevalier, E. Jaulin, Dryden, F. Perkins, Hill,

Pansies.

Extra fine strain in bud and bloom, $1.90 per 100; $17.00 per 1000.

Coleus.

Assorted rooted cuttings 75c per 100; 2¼-inch $2.50 per 100.

Asparagus Plumosus, 4-in. $10.00 per 100.
Asparagus Sprengeri 2¼-in. $3.00; 3-in. $5.00.
Cannas, $8.00. **Caladiums,** 15c and 20c each.

Cash or C. O. D.

W. J. & M. S. VESEY,
Fort Wayne, Ind.

GERANIUMS.

One of the best things in the market, the **American Beauty** Geranium, a clear bright cerise just about the color of a good Pink Lawson carnation. The habit is very pleasing, rather dwarf and very stocky. It is a common thing to see 4 to 6 large bunches of flowers on a plant in a 3 to 5-in. pot. Clusters average 4 to 5 inches in diameter. It is a very free bloomer; we think it is freer than any we grow and we grow a great many Geraniums. We grow 8 to 10 varieties. Stock of American Beauty is extra fine but limited as to quantity.

We offer you

2-in Pot Plants at.....$ 6.00 per 100
3-in. " " " ..... 10.00 "
4-in. " " " ..... 18.00 "
5-in. " " " ..... 25.00 "

the 4- and 5-in. pots are very stocky and bushy; have 3 to 5 large flowers on now..

OFFERLE & SCHAAL, Erie, Pa.

250,000

PANSIES

SUPERB STRAIN. READY NOW.

Fall Transplanted Pansies in bud and bloom. A trial order will convince you that these are the best you ever handled.

$1.25 per 100; $10.00 per 1000.

Cash with order.

LEONARD COUSINS, Jr.
CONCORD JUNCTION, MASS.

Geraniums!

S. A. Nutt, large and well-grown plants, in bud and bloom, $7 00 per 100; in large or small quantities, out of 3½ in. pots. Cash.

STEPHEN CHASE, Nashua, N. H.

Date-Palm Culture.

Under the title of "Progress and Prospects of Date-Palm Culture," the University of Arizona Experiment Station is sending out a leaflet by R. H. Forbes. This says that much experience has been gained since the establishment of the cooperative orchard at Tempe in 1899 and that imported trees are confronted by a changed climate and new insect and animal enemies. Irrigated but not clay soils in the valleys of Arizona rivers are said to be the most suitable and the presence of alkali does not seem to hurt the trees. There are useful cultural data given and also particulars respecting insect and other enemies and their destruction. Six to eight years is the time required for commercial crops, though some fruit is produced at two years after planting the suckers. Propagation by suckers and seeds is discussed and a suggestive note is struck where it says that the date palm is valuable not only for its own products but also for shelter to citrus fruits and certain vegetables.

HYDRANGEAS

Fine plants, well flowered, good value in each size from 25c to $4.00 each.

ARAUCARIAS.

We have a specially fine lot of Araucarias—the plants at $1.00 each are extra value for the money.

4-inch.....50 cents each
5 " .....75 " "
6 " .....$1.00 each

KENTIAS

	Per doz.
Kentia Belmoreana, 5-in.	$ 7.20
" " 5-in. strong	9.00
" " 6-in.	12.00
" " 6-in. strong	15.00
" Forsteriana, 5-in.	7.20
" " 5-in. strong	9.00
" " 6-in.	12.00
" " 6-in. strong	15.00

ROSES IN POTS AND OUTDOOR.

	Per 100
Prairie Queen, 3 to 5 feet, 15 to 35c each.	
Ramblers, Crimson, 2 feet, 15c.	
" Baby, 3½-inch pots	$ 6.00
Sweet Brier, 2 to 3 feet, 10c to 25c each.	
1 Lot Hybrid Perpetual, 5-inch, asst. varieties, pot grown	15.00

ROSES.

Brides, 3-in. pots	3c
Maids, 3-in. pots	3c
Chatenay, 3-in. pots	3c
Baby Ramblers, 3-in. pots	6c
Uncle John, 1-year-old, in bloom, 6-in	15c
Chatenay, 1-year-old, in bloom, 6-in	15c
Hardy hybrid perpetuals, $15 per 100; $2 per doz.	

	Per doz.	Per 100
Asparagus Plumosus, 3-inch	.75	$ 6.00
" Sprengeri, 4-inch	1.25	10.00

DAHLIAS.

These are large field clumps.

Cactus.	Per doz.
Mrs. A. Beck, rich, salmon, twisted petals, scarlet reflex	$1.00
Charles Woodbridge, bright crimson	1.00
Miss A. Nightingale, bright red, shading to golden yellow at center	1.00
Kriemhilde, pink, shading to white at center	1.50
Countess of Lonsdale, a peculiar blending of salmon, pink and amber	1.50
F. Bartels, bright scarlet	1.00
Decorative.	
Zulu, black maroon	1.00
C. W. Bruton, a fine yellow, tall grower	1.50
Oban, rosy lavender	1.00
Iridescent, vivid red, tipped with blue	1.00
Sylvia, pink, white to center	1.50
Mrs. Geo. Reed, purple, with white tint	1.00
Show Dahlias.	
A. D. Livoni, a pure quilled pink	1.50
Cameliaflora, pure white dwarf	1.00
Single Dahlias.	
J. Cowan, a fine scarlet	1.50
John Downie, crimson	1.50
Sunningdale, blush white	1.00
Mixed Colors.	
Good varieties, all colors	.75
" " mixed yellow	.75

Bedding Plants.

Cobœa Scandens	$8 per 100
Alternanthera, Red	3.00 per 100

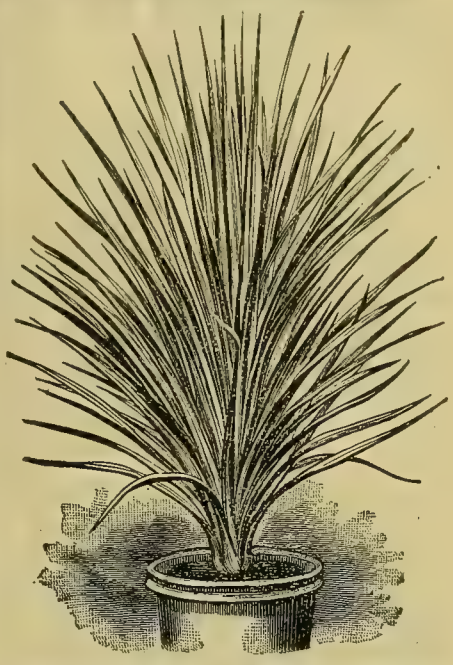
MISCELLANEOUS LOT OF BULBS.

	Per 100
Gladiolus, mixed	$1.00
Amaryllis Formosissima	5.00
Zephyranthes Alba	2.00
" Rosea	2.00
Pancratium, Spider Lily	5.00
Ismene Calathina, 1st size	6.00
" " 2nd size	4.00
" " bulblets	2.00
Tritoma Hybrids, asst. 1 year old, largest size	4.00
Tritoma Hybrids, small size	2.00

Cycas Revoluta.

4-inch .....25 cents each
5 " .....35 " "
6 " .....50 " "
7 " .....75c to $1.00 each
8 " .....$1.25 to $1.50 "

If we do not confine ourselves to the exact size of pot specified, we shall see that stock of good value for the money is sent on every order.



DRACÆNA INDIVISA.

This most useful plant is always in great demand in spring. Better secure your stock now. Fine plants in the following sizes and prices:

		Per doz	Per 100
Dracaena	Indivisa, 4-in.	$ 2.00	$12.00
"	" 5-inch	3.00	20.00

Perennials in Pots, One Year Old. Per 100

Dianthus, Sweet William, 5-inch pots	$10.00
Coreopsis Lanceolata, 5-inch pots	8.00
Campanula, asst., 6-inch pots	12.00

Perennials, last fall's sowing from cold frames

Hollyhocks, double, white, pink and red.
Aquilegia Canadensis and N. Grandiflora.
Gaillardia grandiflora superba.
Myosotis semperflorens (forget-me-not).
Delphinium Chinensis also alba.
Digitalis Glox.
Shasta daisy, pansies, daisy or bellis, $2 per 100.

Perennials in pots.

	doz.	100
Coreopsis lanceolata, 5-in.		10c
Campanula in variety, 5-in.		12c
Campanula in variety, 6-in.		15c
Campanula in variety, bud and bloom, 6-in		35c
Sweet William, 5-in.		12c
Lychnis C., 3½-in.		5c
Ampelopsis Veitchii, 2-in.,	$2.50 per	100
3-in. Perennials for pots	75c	$5.00
Sweet William, 4-in.	75c	5.00
Garden pinks, 4-in.	85c	6.00
Myosotis Forget-me-not	60c	4.00
Lychnis Chalcedonica, 3-in.	85c	6.00
Foxglove, 3-in.	85c	6.00
Achillea [Ptarmica (2)], 3-in.	75c	5.00
Penstemen Hybrids		
Canterbury bell, 4-in.	85c	6.00

Perennial Clumps from Field.

Iris Germanica, all colors under name, 60c per doz., $4 per 100.
Iris Kaempferi, blue, tall, 15c each, $1.50 per doz. $10 per 100.
Bachelor's Buttons, yellow, 2 feet, 10c.
Campanula, assorted, 85c per doz., $1.25 per 100.
Chrysanthemum Maximum, 3 feet, 12c.
" Shasta Daisy, 75c per doz.
Coreopsis Lanceolata, 75c per doz.
Day Lily, 5 feet, 85c per doz., $6.00 per 100.
Gaillardia, 85c per doz.
Golden Glow (or Rudbeckia), 85c per doz.
Lychnis Chalcedonica, 85c per doz.
Delphinium or Larkspur, 15c each.
Phlox, all colors, under name, 85c to $1.50 per doz.
Pentstemon, assorted, $1.00 to $1.25 per doz.
Polemonium Cæruleum (Jacob's Ladder), $1.00 per doz.
Physostegia Speciosa, grand, mixed, 85c per doz.
Yucca Filamentosa (Adam's Needle), $1.50 per doz.

THE GEO. WITTBOLD CO., 1657 Buckingham Place, CHICAGO.

NOW READY 1908 EDITION **Trade Directory.**

Strictly First-Class PLANTS

ON OWN ROOTS
2½-pots to line out.

$2.50 per 100
$25.00 per 1000
Baby Rambler
Clothilde Soupert
Dorothy Perkins
Mme. A. Chatenay
Crimson Rambler

$2.75 per 100
$27.50 per 1000
Hermosa
Maman Cochet
Malmaison
Etoile de Lyon
Helen Gould
Lady Gay
M. Neil
Notting
Meteor
White Maman
Albany
La France

ROSE PLANTS

$3.00 per 100
$30.00 per 1000
Mme. C. Wood
P. C. de Rohan
Mme. Plantier
Genl. Jacq.
Black Prince
Mme. Masson
Richmond
Kaiserin
Paul Neyron

$3.50 per 100
$35.00 per 1000
Capt. Christy
Magna Charta
Etoile de France
Gen. McArthur
Mme. J. Guillemot
Mrs. J. Laing

Helen Good
Killarney
$5.00 per 100

J. B. Clark
Druschki
$8.00 per 100

C. M. NIUFFER, Springfield, O.

CARNATIONS

From Pots. Healthy stock.

	Per 100	1000
Winsor, White Enchantress	$7.00	$60 00
Helen M. Gould	6.00	50.00
Melody, Kingston Pet	5.00	
Daheim, Estelle, Enchantress, Lady Bountiful, Red Lawson, Variegated and White Lawson	4.00	35.00
Mrs. T. W. Lawson, Boston Market, Harlowarden	3.00	25 00

Send for Catalogue.

WOOD BROTHERS
FISHKILL, N. Y.

Afterglow

Strong Rooted Cuttings now ready,
$12.00 per 100; $100 per 1000.

R. WITTERSTAETTER,
(Originator)
Station F. CINCINNATI, O.

Jensen & Dekema

CARNATION SPECIALISTS

674 W. Foster Ave., CHICAGO.

CANON CITY, COLO.—The regular meeting of the Fremont County Horticultural Society was held at the court house May 7 and various matters of interest to fruit growers discussed, including the proposition of the Fremont County National bank to send a commission to the western slope to investigate the system of smudging in vogue there to prevent damage from frost.

CALUMET, MICH.—The collection of flower seeds ordered some time ago to be distributed among the students and planted in school yards, window boxes, etc., has been received. The amount of seeds this year greatly surpass that of last year and it is hoped the seeds will be used to an advantage. Approximately 15,000 packages were ordered, all of which have already been disposed of.

Rose Plants

From 2½-inch Pots.

	Per 100	Per 1000
Bride	$2.50	$22.50
Bridesmaid	2.50	22.50
Uncle John	2.50	22.50
Ivory	2.50	22.50
Chatenay	2.50	22.50
Sunrise	4.00	35.00
Perle	4.00	35.00
Kate Moulton	4.00	35.00
Richmond	4.00	35.00
Killarney	5.00	40.00

Bench Plants

	Per 100	1000
Richmond	$4.00	$35.00
American Beauty	6.00	50.00

PETER REINBERG

51 Wabash Ave., CHICAGO.

ROSES. ROSES.

Mrs. Potter Palmer 2½- in. strong, $15.00 per 100; $125.00 per 1000; 2000 or more $115.00 per 1000. 3½-in. $18.00 per 100; $150.00 per 1000.

Cardinal 2½-inch $6.00 per 100: $55.00 per 1000. 3½-inch $8.00 per 100: $75.00 per 1000.

Maids, Richmond, Sunrise, Uncle John, 2½-in. strong stuff, $4.50 per 100; $40.00 per 1000.
3½-in. Maids, Kaiserin, ready May 20th, $6.50 per 100; $60.00 per 1000.
Benched Beauties, cut back, $6.50 per 100; $55.00 per 1000.

Chrysanthemums, best list of commercial varieties. See classified ad. page 914.
Snapdragon. Pink and yellow, clear colors, 2½-in. $4.00.
6-in. **Plumosus** $20.00 per 100

POEHLMANN BROS. CO., Morton Grove, Ill.

Grafted Roses for Forcing

BRIDE, KAISERIN, RICHMOND, BRIDESMAID, KILLARNEY, WELLESLEY } $10.00 per 100 $100.00 per 1000

JACKSON & PERKINS CO.
Wholesale Florists and Nurserymen. Newark, Wayne Co., N. Y.

ROSES. STRONG, CLEAN STOCK.

Grafted Killarney, Richmond, Brides, and Maids $12.00 per 100; $110.00 per 1000. Own-root Brides, Maids, Gates, Ivory, Perle, Killarney and Richmond $6.00 per 100; $55.00 per 1000.
All from 3½-in pots.

P. R. QUINLAN, SYRACUSE, N. Y.

JOHN E. HAINES,

BETHLEHEM, PA.,

is the place to order rooted cuttings of the following varieties for 1908.

	Per 100	Per 1000
John E. Haines, red	$6.00	$50.00
Imperial, variegated	6.00	50.00
Pink, Pink	6.00	50.00
Enchantress, Light pink	6.00	50.00

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA.

Roses...

Good strong 3-year-old Bench Plants, 2,000 MAIDS, 2,000 BRIDES, $5.00 per 100; $45.00 per 1000. Ready to ship about June 15.

LAMBORN FLORAL CO.,
ALLIANCE, OHIO.

New Roses

ANNY MULLER, Pink Baby Rambler

2½-in. $5.00 per 100.

LADY GAY, Very Choice Stock,

2½-in. $5.00 per 100; $40.00 per 1000.

TAUSENDSCHON, New Climber,

2½-in. $5.00 per 100; $40.00 per 1000.

VICK & HILL CO.

P. O. Box 613, Rochester, N. Y.

ROSES. Tausendschon, Lady Gay and Anny Muller, 1½-in., $5.00; 3-in., $10.00 per 100. Ideal, Wellesley, G. McArthur, P. Neyron, Vick's Caprice, D. of Edinburgh, G. de Brussels, M. Plantier, C. Lefebvre, M. Niel, Mrs. De Graw, 2-in., $2.50 per 100. Golden Gate, H. Gould, F. Deegan, F. E. Willard, Kaiserin A. V., Richmond, V. Folkestone, C. Hybrid, Gen. Jacq., J. Margottin, M. of Lorne, Jubilee, L. H. Stuart, La Reine, U. Brunner, M. P. Wilder, P. C. de Rohan, L. Van Houtte, M. Charta, Apricot Aurora, White Cochet, R. M. Henriette, L. Battersea, Safrano, 3-in., $6.00 per 100. D. de Brabant, Bride, Bridesmaid, Ivory, P. des Jardins, Enchantress, F. Robertson, Wellesley, S. de P. Notting, Killarney, Manda's Triumph, Pink Rambler, Yellow Rambler Phil. Rambler, Prairie Queen, Seven Sisters, Baltimore Belle, Cl. C. Brunner, Debutante, Lily Ito, Queen Alexandria, Mme. Driout, 4-in., $8.00 per 100.

Wagner Park Conservatories, Sidney, Ohio.

Roses AND Vincas.

See column adv. page 799. May 9.
400 best sorts 2½ and 4-inch.

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO

ROBERT CRAIG CO.

WELL GROWN YOUNG **ROSES**

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

Rooted Cuttings Prepaid per 100. Heliotrope, Alternanthera, 50c; Coleus, Ageratum. 60c; Salvia, 85c.

Fuchsia, 5 fine kinds, 2-in., $1.50 per 100.

Ageratum, Stella Gurney, nice 2-in., 1½c. Cash.

SHIPPENSBURG FLORAL CO. Shippensburg, Pa.

Begonia Semperflorens Deutsche Perle.

This variety is so far a giant among semperflorens varieties, reaching a height of eight feet under good cultivation, and when not crowded together has a breadth of the same dimensions, according to Die Gartenwelt. The foliage is bright in tint, and it has a red bordering. The plant is very free in flowering, and its decorative value is enhanced by planting it together with others, particularly with those possessing white flowers. The variety makes an effective pot plant. It is easily increased from cuttings, and these reach considerable dimensions in a short space of time.

ST. LOUIS, MO.—The executive committee of the Horticultural society, at a meeting at the Missouri Athletic club recently, appropriated cash prizes to be offered in connection with the Shaw premiums for the grand fall floral exhibition to be held the first week in November. A committee was appointed to select a hall. Otto G. Koenig reported that a large number of entries were being received for the prizes offered to the persons having the best kept gardens, lawns, window boxes and public schoolroom plants. Attending the meeting were: Henry Young, C. B. Nicholson, Fred C. Weber, C. C. Sanders, A. Meyer, Jr., Theo. Miller, F. H. Meinhardt, Emil Schray, F. W. Brockman and A. Jablonsky.

GRAFTED ROSES.—Novelties.

Mrs. Jardine, Rhea Reid, Queen Beatrice.

The above, $6.00 per doz., 50 plants for $18.00 $35.00 per 100.

MY MARYLAND, 50c each, $5.00 per doz., $35.00 per 100.

On own roots, 2½-in. pots, $25.00 per 100, $2.00 per 10, 3-in. $5.00 per doz.

STANDARD VARIETIES.

Aurora, Bon Silene, Bride, Bridesmaid, Enchanter, Etoile de France, Franz Deegan, General McArthur, Hermosa, Kaiserin Augusta Victoria, Kate Moulton, Killarney, La Detroit, Maman Cochet, Marechel Niel, Mme. Abel Chatenay, Mme. Hoste, Mrs. Pierpont Morgan, Papa Gontier, Rosalind Orr, English, Souv. de Wooton, Wellesley, White Cochet.

GRAFTED, 2¼-inch pots, 20c each, $2.00 per doz., $15.00 per 100, $120.00 per 1000.

OWN ROOT ROSES.

From 2½-inch pots, repotted from 2-inch.

Killarney, Bride, Bridesmaid, Ivory, Richmond, Mme. Abel Chatenay, Aurora, $1.00 per doz. $6.00 per 100, $50.00 per 1000.

From 2-inch pots, ready for shipment, $3.50 per 100, $30.00 per 1000.

MISCELLANEOUS PLANTS.

AGERATUM, Stella Gurney, Princess Pauline.
HELIOTROPE,
Rooted cuttings 75c per 100, $6.00 per 1000.

COLEUS.

Verschaffeltii, Golden Queen, Fire Brand, Lord Palmerston, Queen Victoria, Beckwith's Gem. Prices of rooted cuttings by express, 60c per 100; $5.00 per 1000. Less than 250 of a variety will be charged at the 100 rate.

Golden Bedder, Hero, Messey, Pearl of Orange. 75c per 100, $6.00 per 1000. Less than 250 of a variety will be charged at the 100 rate.

Fancy varieties, a very fine assortment of twelve kinds not listed above; 75c per 100, $6.00 per 1000. 250, in assortment, our selection, at the 1000 rate.

Asparagus Plumosus Nanus Seedlings

From flats, $10.00 per 1000.

CHRYSANTHEMUMS.

Ready for Shipment.

Virginia Poehlman, Angele Laurent, Golden Dome, Mlle. Jeanne Rosette, Money Maker from 2¼-in. pots, $2.00 per doz. $10.00 per 100.

Mrs. Clay Frick, Zimmers Yellow, Mary Mann, from 2¼-in. pots, $1.00 per doz., $6.00 per 100.

Rooted cuttings, $5.00 per 100.

CHOICE POMPONS. Klondyke, Quinola.

CHOICE SINGLE VARIETIES, Kitty Bourne, Mrs. Roberts, Amorita, from 2¼-in. pots, $1.00 per doz.

STANDARD VARIETIES

WHITE—Early: Geo S. Kalb, Polly Rose, Early Snow, October Frost. Mid-Season: Clementine Touset, White Shaw, Mrs. H. Robinson, Beatrice May Merza, Niveus, Alice Byron, Eureka, Miss Minnie Wanamaker, Adelia, Late: Mrs. McArthur, Timothy Eaton, W. H. Chadwick, Merry Christmas.

PINK—Early: Glory of the Pacific, Rosiere, Mid-Season: J. K. Shaw, Adelia, A. J. Balfour, William H. Duckham, Dr. Enguehard, Morton F. Plant. Late: Maud Dean, The Harriott, Mayor Weaver. Mrs James Marshall.

YELLOW—Early: Monrovia. Mid-Season: G. Pitcher, Col. D. Appleton. Late: Major Bonnaffon, H. W. Reiman, Yellow Eaton.

RED—Cullingfordi, Merstham Red. Matchless.

BRONZE YELLOW—Mrs. William Duckham, Old Gold.

POMPONS—Baby (Yellow), Lulu (White), Briolas (Pink).

From 2¼-in. pots, 5c each, 50c per dozen, $3.00. per 100, $25.00 per 1000. Rooted cuttings, $.200 per 100, $15.00 per 1000.

SMITH'S NOVELTIES FOR 1908.

Golden Glow, Pacific Supreme, White Cloud, 2¼-in. pots, $5.00 per dozen. Ready for shipment.

A. N. PIERSON, - Cromwell Conn.

60,000 Grafted Roses

	Per 100
Chatenay, Killarney, Richmond, Liberty, La France, 3½-in. pots....	$18.00
Bride, Bridesmaid, Golden Gate, Kaiserin, 3½-in. pots........	15.00

OWN ROOT ROSES.

Bride, Bridesmaid, Killarney, Richmond, Chatenay,
3-inch pots, $7.00 and $9.00 per 100.

50,000 VERBENAS.

In bud and bloom..........$2.50 per 100; $20.00 per 1000

Good varieties of **COLEUS** at Verbena prices.

J. L. DILLON, Bloomsburg, Pa.

KAISERIN Extra Fancy Plants.

2½-in., per 100, $4.50; per 1000, $40.00.

Killarney

3-in., own roots, per 100..........	$ 7.00
Grafted on Manetti, 2½-in., per 100..........	12.00
Grafted on briar, 2½-in., per 100..........	10.00

BENCH PLANTS.

	Per 100	Per 1000		Per 100	Per 1000		Per 100	Per 1000
BEAUTIES,	$6.00	$50.00	Richmond...	$3.00	$25.00	Bride......	$3.00	$25.00
			Maid.......	3.00	25.00	Chatenay....	3.00	25.00

—All are now ready for shipment.—

BASSETT & WASHBURN, Greenhouses: HINSDALE, ILL. Office: 76 Wabash Ave., CHICAGO.

Louisville.

BUSINESS AND STOCK GOOD.

Business conditions the past week were unusually good, a great deal of this being probably due to the good weather. Roses are in very good supply and find a fine demand. The quality is very good. The demand for carnations has been a little slow. The quality and supply are good. Sweet peas are of good quality, plentiful, and find a satisfactory demand. Lily of the valley has a fair demand and are in good supply. Lilies sell well. Peonies are to be had in small quantities and find a satisfactory demand. Smilax continues to be scarce. Other green goods are in good supply. Some of the growers report that they fear the plant business will not be as good as last season. This is probably due to the fact that the weather was very bad until about a week or two ago, and made planting almost impossible.

Anders Rasmussen is kept busy moving the greenhouses he recently purchased from Mrs. M. D. Reimers to New Albany. R. J. Rasmussen is looking after the stock during his absence.

Reynolds & Struck are working hard to get their place in shape.

Jacob Schulz is picking some fine sweet peas.

Wm. Walker is cutting plenty of carnations.

F. L. S.

Swainsona alba, 2-in., 2c. **Heliotrope,** 2 in 2c. **Feverfew,** 2-in., 2c. **Coleus,** 2-in. 2c **Feverfew,** nice young plants 75c per 100. single **Hollyhock,** field, $2.50 per 100. 2 in. **Stock** 2c. Stock **Princess Alice, Cuphea, Alternanthera,** red and yellow, **Vinca Variegata, Fuchsia, Artillery Plant,** 2-in. 2c **Pansies,** in bud $3.00 per 1000. **Ivy Geranium,** 2-in. 2½c. **Stevia,** dwf. 2-in. 2c. **Dusty Miller** 2-in., 2c. **Sweet Alyssum,** dwf., single 2-in. 1½c **Geraniums,** 2-in., 2c. **Shasta Daisy,** 2 kinds, 2½-in., 3c.

Rooted Cuttings prepaid per 100: **Flowering Begonias,** $1.25 per 100; **Paris Daisies,** yellow and white, $1.00 per 100; Alexandra $1.25. **Petunia,** double, 10 kinds $1.00; **Swainsona Alba,** $1.00. **Cuphea,** 75c. **Vinca Variegata,** 90c. **Alternanthera,** 3 kinds, 50c. **Coleus,** 10 kinds, **Ageratum,** White Inimitable, 60c **Salvia,** Bonfire, 90c. **Feverfew,** Gem, $1.00. **Parlor Ivy,** 75c.

Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

Now is the time to place your orders for

Begonia Gloire de Lorraine, Cyclamen and Poinsettias.

I am well equipped to supply the above in any quantity at the following prices:

Begonia Gloire de Lorraine, 2½ in. pots (leaf cuttings), **$15** per 100; **$140** per 1000.
Cyclamen, per 100, 2½ in., **$5**; 3 in., **$7**; 4 in., **$15**; 5 in., **$20.**
Poinsettias, 2½ in., **$5** per 100; **$45** per 1000.

Satisfaction guaranteed.

S. S. SKIDELSKY
1741 N. 18th St., Philadelphia, Pa.

THE
CHRYSANTHEMUM MANUAL.

BY ELMER D. SMITH.

NEW AND REVISED EDITION.
Price 40 Cents. Cash with order.

AMERICAN FLORIST CO.
324 Dearborn St., CHICAGO.

Schultheis Specialties

Boxwood Bushes, in fine shape.
In 6-in. pots, 1 ft. tall, $3.00 per doz.
In 6½-in. pots, 1 ft. 6 in. tall $4.00 per doz.
In 7-in. pots, 2 ft. tall, $6.00 per doz.
In 8-in. pots, 2 ft. tall. (wider), $9.00 per doz.

Pyramid Boxwood, in tubs.
3 ft. tall, $4.00 per pair.
3 ft. 6 in. tall, $4.50 per pair.
4 ft. tall, $5.00 per pair.
5 ft. tall, $6.00 per pair.
5 ft. 6 in. tall, $8.00 to $10.00 per pair.

Boxwood Crowns, stem 1 to 3 ft. $1.50, $2.00, $3.00, $4.00, $5.00 per pair.

Bay Trees, in tubs, 4 ft. stem, 2 ft. crown diameter, $15.00 to $18.00 per pair.

Aucuba, Japonica Variegata, in 8 in. pots, 2 to 2 ft. 6 in. tall, fine and bushy, $18.00 per doz. In tubs, 3 ft. tall $2.50 to $3.00 each.

Baby Ramblers, in 5½-in. pots, $3.00 and $4.00 per doz.

Boston Ferns, in 3-in. pots, $10.00 per 100; 4½ in. pots, $15.00 per 100.
Scottii Ferns, in 3-in. pots, $10.00 per 100.
Whitmani Ferns, in 2⅝-in. pots, $10.00 per 100

New Polyantha rose APPLE-BLOSSOM, color apple-blossom pink; earliest rose to bring in bloom and beautiful as a pot plant. Grafted plants in 3-, 4- and 4½-in. pots, $25.00, $30.00 and $35.00 per 100. Plants on own roots, 2½-, 3- and 3½-in. pots, $15.00, $20.00 and $25.00 per 100. **Maman Levavasseur,** or pink Baby Dorothy, grafted plants, 4- and 4½-in. pots, $25.00 and $30.00 per 100. We will book orders now for delivery the 1st of October of grafted plants of the **Everblooming Crimson Rambler** or **Flower of Fairfield,** from 4- and 4½-in. pots at $75.00 and $100.00 per 100 respectively. Own root plants from 2½- and 3½-in. pots, $50.00 and $75.00 per 100. The best thing ever introduced producing flower trusses on each and every shoot. Color a few shades more brilliant than Crimson Rambler from which it is a sport.

The Following will be in for DECORATION DAY

Hydrangeas, in bud, in 5½-in. pots, $6.00 and $9.00 per doz.
Crimson Ramblers, in 6-, 6½-, 7- and 8-in. pots at $6.00, $9.00, $12.00 and $15.00 per doz. fine and full of buds. Also by the 100
Dorothy Perkins, very fine, 6-, 6½- and 7-in. pots, $6.00, $9.00 and $12.00 per doz.

Spirea, Gladstone, in 6-, 7- and 8-in. pots, fine very large plants at $6.00 per doz. Extra large plants in 8-in. pots, $9.00 per doz.

Araucaria, Excelsa, 5- 5½- and 6-in. pots, 75c $1.00 and $1.50 each.

ANTON SCHULTHEIS,
316 19th Street, COLLEGE POINT, L. I., N. Y.

PALMS Home Grown.

ARECA LUTESCENS.

	Each	Doz.
6-in. pot, 3 plants, 24 to 26 in. high	$1.00	$12.00
7-in. pot, 3 plants, 30 to 32 in. high	2.00	24.00
8 in. pot, 3 plants, 36 to 40 in. high	3.00	36.00

COCOS WEDDELLIANA.
2½-in. pot, 8 to 10 in. high........ .10
2½-in. pot, 10 to 12 in. high........ .15

KENTIA FORSTERIANA.
9-in. tub, 4 plants, 4 ft. high, heavy 6.00

KENTIA BELMOREANA.

	Each	Doz.
6-in. pot, 6 to 7 leaves, 22 to 24 in..	1.00	12.00
6-in. pot, 6 to 7 leaves, 24 to 26 in..	1.25	15.00
6 in. pot, 6 to 7 leaves, 26 to 28 in..	1.50	18.00
6 in. pot, 6 to 7 leaves, 30 to 36 in..	2.00	24.00
7-in. pot, 6 to 7 leaves, 32 to 34 in., heavy	2.50	30.00
9-in. tub, 6 to 7 leaves, 42 to 48 in., heavy	5.00	60.00

JOSEPH HEACOCK COMPANY, Wyncote, Pa.

FERNS. FERNS.

2¼-inch	Boston and Piersoni, extra strong	$ 3.00 per 100;	$ 25.00 per 1000
3 -inch	" " " "	6.00 per 100;	55.00 per 1000
5 -inch	" " " "	25.00 per 100;	
6 -inch	" " " "	35.00 per 100;	
2¼-inch	Scotti and Elegantissima, extra strong	4.00 per 100;	35.00 per 1000
3 -inch	" " " "	8.00 per 100;	75.00 per 1000
2¼-inch	Asparagus Plumosus " "	3.00 per 100;	25.00 per 1000
4 -inch	" " " "	8.00 per 100;	75.00 per 1000
2¼-inch	" Sprengeri, " "	2.25 per 100;	
3 -inch	" " " "	5.00 per 100;	
4 -inch	" " " "	8.00 per 100;	

Hardy Plants Get our prices on Seedlings transplanted and field-grown. We have a very fine assortment of undivided clumps.

See our offerings of Bedding plants among the classified advertisements.

THE MOSBÆK GREENHOUSE CO., ONARGA, ILL.

Neph. Whitmani

2¼-inch.......................$ 5.00 per 100
3½-inch....................... 25.00 per 100

Boston Ferns 2¼-inch, $3.00 per 100.

Henry H. Barrows & Son, WHITMAN, MASS.

..BOSTON FERNS..

3-in pots, $1.00 per doz.; $7.00 per 100.
4 in pots, 1.50 per doz.; 10.00 per 100.
5-in pots, 4.00 per doz.; 25.00 per 100.

WHITMANI FERNS

3-in pots, $1.00 per doz.; $7.00 per 100.
4-in pots, 1.50 per doz.; 10.00 per 100.

—— Cash please ——

Muskogee Carnation Co., Muskogee, Okla.

VAUGHAN'S SEED STORE,

CHICAGO, 84-86 Randolph St. NEW YORK, 14 Barclay St.

LAST CALL.

If you are short of anything at all in **Soft Wooded Plants** for bedding purposes or Decoration Day, write or wire

GEO. A. KUHL, Pekin, Ill.,

Wholesale Grower of Plants for the Trade. Roses, Ferns, Chrysanthemums, Cannas, Geraniums, etc.

Minneapolis.

PLANT TRADE ACTIVE.

The past week brought a much needed rain, but it remained so cold that it is questionable as to whether it did much good to the vegetation. However, the latter part of the week warmed up and, as a result, the plant business took a sudden spurt. The plant growers began putting in the spring plants the early part of the week, and if the good weather continues will take hold of bedding in real earnest. Roses are plentiful, carnations about equal to the demand. Gladioli are good, but not very plentiful. There is great demand for long stemmed American Beauty roses, which are very scarce.

NOTES.

The Minneapolis Floral Co. is shipping out country plant orders with the usual pre-holiday rush, and orders are coming in thick and fast for lawn planting, and grave decoration.

R. A. Latham put out a fine piece of work consisting of the curtain and proscenium arch of a theater made up of roses, carnations and lilies which formed a very effective design.

O. C. Swanson had a number of good table decorations the past week; he finds stock good and plentiful.

Jas. Souden & Co. had a lot of funeral work the past week, and report business first class.

Miss Whitted finds orders coming in as fast as usual, notwithstanding the bad weather. M.

SAN FRANCISCO, CALIF.—The Sievers Floral Co. has opened a new store at 1258 Sutter street, near Van Ness avenue.

ST. JOSEPH, MO.—Bedding out begun houses are full of choice bedding plants and the display, it is thought, will be finer than usual.

BELLINGHAM, WASH.—The contract for clearing the bulb farm tract of logs, stumps, trees and all wild growth was awarded by the chamber of commerce April 27 to W. H. Cassils. The garden, which contains 10 acres, is already half cleared, so that the contract applies for only five acres. The Griffith tract on which the proposed garden is to be established, is located two miles out of the city on the Marietta road.

GERANIUMS

Good strong stock From 2-in. pots.

	Per 100	1000
Centaure, Double Genl Grant, El Chid, Miss Kendall, S A. Nutt, Granville, Jacquerie, Mrs E G Hill, etc	$ 2 00	$ 18 50
Alph. Ricard, Berthe de Presilly, Jean de la Brete, Alice of Vincennes, etc	3 00	00
Double Dryden, E H. Trego, Peter Henderson, Telegraph etc	$ 4 00	$ 35 00
Eugene Sue, Mrs Lawrence, Paul Crampel, Mistral, Jean Oberlee, Col Thomas, etc	6 00	50 00
Rose Nutmeg, Oak leaved and Balm	2 00	

A cordial invitation is extended to all interested in Geraniums to visit us during May and June to inspect our new stock houses, containing over 60,000 plants and especially to see our new show house. In it there are over 300 varieties in full bloom, a splendid opportunity to compare the newer introductions with the old standards, and to select stock for next season. We will make a very liberal special prices on all orders booked during May and June for December delivery. We are at Cowenton on the B. & O. R. R. and at Chase on the Pennsy. We meet all trains.

PELARGONIUMS In good variety 3 inch pots, $1 50 per dozen, $6.00 per 100.

DAHLIA ROOTS Whole field clumps at $5.00 per 100 and up. Send for list

HARDY CHRYSANTHEMUMS A splendid collection of 75 of the very best varieties, small flowered or Button kinds, $2 00 per 100; large flowered or Aster flowered $3.00 per 100.

DAHLIA PLANTS From 2-in. pots ready for shipment, at $2 00 per 100 and up We will send 1000 in 25 good varieties, our selection for $18.50

	Per 100
Ageratum, Stella Gurney	$2 00
Begonia, Vernon White and Rose	2.00
" Gracilis White and Rose	2.00
Coleus, Verschaffeltii, Golden Bedder, and other kinds	2 00
Fuchsias, Black Prince and Minnesota... Lieutenant Muritz, White and Rose Phenomenal	2.00 2 50
Hardy English Ivy, extra strong	$15 00 per 1000 2.00
Nymphea Odorata Gigantea, Water lily	3.50
Hollyhocks, strong 3-in. pot plants, dbl. white, pink, red and yellow	$3 00
Hardy Phlox, Andreas Hoffer	2 00
Ivy Leaved Geraniums, 6 good kinds $25 00 per 1000	$3 00
Lobelia, Crystal Palace Gem	2 00
Lobelia, Kathleen Mallard, 2 in	3 00
Lavender, 2½ in. pots, strong	3 00
Swainsona alba	2.00
Tradescantia, dark variegated	2 00
Verbena red white purple and pink	2 00
Rubber Plants, Ficus elastica, per doz	2 00

Visitors always welcome. Cash with order.

R. Vincent, Jr. & Sons Co., WHITE MARSH, Balto Co., MD.

Petunias

	Per 100
Seedlings from double seed, 2½-in. pots	$2.50
Alternantheras, yellow	2.00
Centaurea Gymnocarpa	2.00
Pansy Seed, new crop, Giant-flowering, oz., $4.00.	
Smilax, July 10	1.25

Geraniums

	Per 100
S. A. Nutt and 4 other vars., 3½-in. pots	$3.50
S. A. Nutt, 2½-in. pots	2.75
Asp. Plumosus, 2¼-in. pots	2.00
Asp. Sprengeri, 2¼-in. pots	2.00
Primroses, 8 vars., July 10	2.00

—CASH—

JOS. H. CUNNINGHAM, Delaware, O.

FERNS
FOR DISHES.

Assorted Varieties.
From 2-in pots, $3.00 per 100; $25.00 per 1000.
Dracaena Indivisa.
7-in. pots 75c to $1.00 each.
Cash with order.

Frank Oechslin
2570-2606 W. Adams St., Chicago.
Formerly Garfield Park Flower Co.

Vinca Variegata

We have been headquarters for years for extra large 4-inch Vincas, but our plants this year are better than ever; from 15 to 25 vines to a plant; better plants than most florists sell from 6-inch pots; also a few hundred of the green variety. A sample dozen sent for $1.50.; $12.00 per 100.

BOSTON FERNS A nice stock of 3 and 4-inch plants, ready for a shift, $6.00 and $12.00 per 100.

Elegantissima and Piersoni,
From 2¼-inch pots, 3c; extra fine stock.

Strong 2-inch pot, **COLEUS,** in 12 best bedding and fancy varieties, $2.00 per 100.

W. W. COLES, Kokomo, Ind.

TRITOMA HYBRIDA EXPRESS

This is a new variety, introduced for the first time. It is one of the earliest varieties, blooming from early June until frost, the color ranging from light salmon to dark orange .....$2.50 per doz; $15.00 per 100.

Salvia Zurich **The Ever-blooming Salvia.** Rooted cuttings, $1.75 per 100; 2-in., $3.00 per 100.

PERENNIAL GARDENS CO., Toledo, Ohio.

LARGEST STOCK OF ALL

Belgian Plants

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

LOUIS VAN HOUTTE, PERE,
GHENT, BELGIUM.

2000 GERANIUMS

S. A. Nutt and Beaute Poitevine. **Cannas,** Chas. Henderson, Austria and Florence Vaughan. **Ageratum,** Salvia, Thunbergia all in 4-in. pots and in fine shape for bedding out at once at $6.00 per 100. I also have 1000 fine **Ferns** in 6-in. pots at 30c each. Boston and Piersoni.

JOS. P. HAUCK, Bell Phone 137 CARRICK, - PA.

Chrysanthemums . . .

	Per 100
WHITE—	
W. H. Chadwick	$2 00
White Bonnaffon	1 50
October Frost	1 50
Estelle	1 50
Clementine Touset	1 50
Ivory	1 50
Geo. S. Kalb	1.50
Jeanne Nonin	1 50
YELLOW—	
Golden Chadwick	$2 00
Major Bonnaffon	1 50
October Sunshine	1 50
Golden Wedding	1.50
Monrovia	1 50
PINK—	
Dr. Enguehard	1 50
Glory of Pacific	1 50

Satisfaction Guaranteed.

A. F. LONGREN, Des Plaines, Ill.

Rubber Plants

Ficus Cuttings

2½-inch pot plants, $15.00 per 100. These will make splendid plants by autumn. Stock limited.

BOBBINK & ATKINS,

Nurserymen and Florists,

RUTHERFORD, - N. J.

BEDDING STOCK

Grown in Frames.

	Per 100
Alternantheras, 2½-in	$3 00
Ageratum, 2½-in	3 00
Heliotrope, 2½-in	3 00
Pyrethrum Golden Feather, 2½-in	3 00
Verbenas, 2½-in	3 00
Salvias, 2½-in.	3 00
Salvias, 3½-in.	6 00
Geraniums in varieties, 3½-in	6 00
Geraniums in varieties, 4-in	8 00
Cannas, 4-in	8 00
Tomato Plants, White Excelsior, transplanted. Per 1000 $9.00	1 00

C. E. DeWEVER,

Kinloch Phone Creve Coeur 69

CLAYTON, St. Louis Co., **MO.**

Worcester, Mass.

Business has held up fairly well and flowers are in good supply. Lange had several large wedding decorations last week and we are looking forward to a large Decoration day trade.

The Worcester County Horticultural Society's show May 8 was not quite as large as usual, but the exhibits were of good quality. The feature of the exhibition was six large plants of Salvia Zurich in full bloom exhibited by H. F. A. Lange. This looks like a good thing. The principal exhibitors were M. J. Whittall, E. W. Breed, H. F. A. Lange, Mrs. A. E. Underwood, Mrs. T. Pollard and W. D. Ross.

Geo. MacWilliam at G. Marston Whitin's, Whitinsville, sails from Boston, June 2, for a six weeks' vacation to bonnie Scotland and everyone wishes him a bonnie voyage.

G. W. Marshall for the past two years at the Worcester Conservatories has accepted a position at Pierce Bros., Waltham. R.

CONCORD JUNCTION, MASS.—Leonard Cousins, Jr., reports an excellent demand for pansies all over the country. The strain which he handles is the result of years of careful and painstaking selection and the flowers are of large size with fine colors.

CHRYSANTHEMUMS.

Novelties and all standard kinds ready for immediate Planting or for late delivery.

My special offer on the single varieties: 100 plants in 10 or more varieties for $8.00.

GRAFTED ROSES

Brides, Maids, Richmond, 4-inch $18.00 per 100. A splendid lot of 4-inch Maids, $7.00 per 100; $60.00 per 1000.

CHARLES H. TOTTY, Madison, N. J.

A FEW GOOD THINGS YOU WANT.

Asparagus Sprengeri, 2-in., $2.50 per 100; 3-in., $5.00 per 100. Seedlings, $1.00 per 100.
Geraniums, Nutt, Doyle, Perkins Ricard, Grant, La Favorite, R. C., $1.25; 2-in. pots, $2.00; 3-in., $4.00 per 100; Trego Viaud, Castellane, Poitevine, Jaulin, R. C. $1.50; 2-in. pots, $2.50; 3-in., $5.00 per 100. Mme. Salleroi 2-in. $3.00 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100; 3-in., $5.00 per 100.
Boston Ferns, 5-in., 30c each.
Vinca Var., 2-inch, $2.00 per 100.
Dracena Indivisa, 2-in., $3.00; 3-in., $5.00 per 100.
Gladiolus Bulbs, light colors, $1.00 per 100.
Rex Begonia, $5 00 per 100.
Coleus, Cigar Plant, Verbena, Heliotrope, Scarlet Sage, Bonfire, Alternanthera, red and yellow, 2-in- pots, $2.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the express companies properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

FOR THE TRADE.	Per 100	
Chrysanthemums 20 good com. varieties, 2¼-inch according to variety	$2 00	$ 3 00
Cannas 10 good French varieties, mossrooted		5.00
Vinca variegated and green, 4-in, 10.00; 3-in.		5.00
Cobeas, 3-inch		5.00
Coleus, about 15 best bedding varieties 3- and 2-inch	$3.00	2.00
Salvias, Ragueneau, St. Louis, Bonfire 3- and 2½-in	$5.00	3.00
Smilax, 3- and 2 in	$3 00	2 00
Alyssum, 2-in.		2.00
Ageratum, dwarf blue, 2½-in.		3.00
Verbenas 2½- and 2-in. in bloom	$3.00	2.00
German Ivy, 2½-in		2.50

SCHMALZL & HEMBREIKER,
West End Greenhouses. Lincoln, Ill.

FIRST-CLASS STOCK.

100,000 Geraniums, spread out plants, in bud and bloom. Nutt, D. Grant, Poitevine, Rose, Buchner, extra strong 3½-4-in., $5.00 per 100, $45.00 per 1000; 3-in., $3.50; 3-4-in., not in bloom. $3.00-$4.00 per 100, $25.00-$35.00 per 1000.

Verbenas and **Lobelias**, in bloom, strong 2-in., $1.50; 3-in., $2.50 per 100. **Begonia** Vernon, heavy 3-in., full bloom, $4.00. **Salvia** Bonfire and Spl., strong 3-4-in., $2.50-$4.00 per 100.

100 000 Coleus, 12 varieties, strong 2-in., $1.50 per 100, $14.00 per 1000; large 3-in., $2.50.

Cash. Extras added. Satisfaction guaranteed.

WM. S. HERZOG, Morris Plains, N. J.

Yellow Alternantheras

equal to 2-in. 70c per 100; $5.00 per 1000. **Coleus.** 2½-in. strong $2.00 per 100; $18.00 per 1000; 5000 for $75.00. **Salvias** $1.00 per 100; $8.00 per 1000.

Express prepaid on all rooted cuttings.

C. HUMFELD, Clay Center, Kas.

MELROSE, MASS.—The Horticultural Society offers to the school children of the city prizes to the amount of $30, to be competed for during the year 1908.

FRANKLIN, N. H.—The Franklin Floral Co. is building up a very fine business here under the capable management of Geo. H. Bartlett, who had a good experience in this line of work in Boston and other eastern cities before coming here.

Chrysanthemums

FOR EVERY PURPOSE.

A partial list with prices appeared in previous issue.

ELMER D. SMITH & CO.,

Successors to Nathan Smith & Son,

ADRIAN, MICH.

FINE STOCK.

Plumosus	$ 30.00 per 1000
Sprengeri	15.00 per 1000
Smilax	15.00 per 1000

Sample plants 10c each.

Geraniums, Nutt, Perkins, Poitevine, Castellane, Ricard at $10.00 per 1000.

ALBERT M. HERR,
LANCASTER, - PA.

Kentia Forsteriana

MADE UP PLANTS.

Fine, Clean, A1 Stock.

8-in. pot, 3 to 4 ft. high	$2.00 each
10-in. pot, 4 to 5 ft. high	4.00 each
10-in. pot, 5 to 6 ft. high	6.00 each
12-in. pot, 5 to 7 ft. high	8.00 each

HEISS, Florist,
112 S. Main St., DAYTON, O.

Alternantheras.

Strong rooted cuttings. P. Major (red), A. Nana (yellow), 50c per 100; $4.00 per 1000.

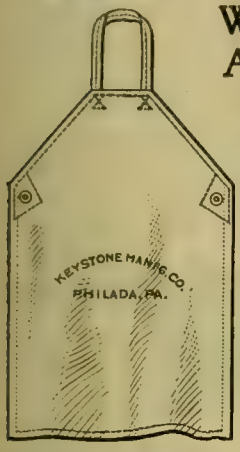
J. W. Davis & Co.
2900 Brady St., Davenport, Iowa.

FOR SALE.

10,000 ALTERNANTHERAS, red and yellow out of 2-inch pots

G. T. HINER, Flemington, N. J.

THE WHILLDIN POTTERY COMPANY
THE LARGEST MANUFACTURERS OF
STANDARD FLOWER POTS
PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.



Water-Proof Aprons.....

Made of canvas in the best manner and well oiled by our own process.

Do not confound these aprons with cheaper grades, as they are in a class by themselves. Oiled black or yellow.

Each.		Each.
8 oz. 70c	No. 10	$0.90
10 " 75c.	" 8	1.00
12 " 85c.	" 6	1.10

10% discount in dozen lots.

Makers of Canvas Goods of every description.

Keystone Manfg. Co., 5th and Girard Ave, Philadelphia.

DREER'S FLORIST SPECIALTIES SHEEP MANURE (WIZARD BRAND.) 100 lbs., $1.75; 500 lbs., $8.00; 1,000 lbs., $15.00. Ton, 2,000 lbs., $30.00.

HENRY A. DREER, 714 Chestnut St., Phila., Pa.

Increase Crops in Orchard and Field with **THE AUTO-SPRAY** It is guaranteed to be the most powerful, easily operated, economical hand sprayer made. With it a boy outworks three men with ordinary device. Used by U. S. Government and State Experiment Stations. **Fitted with Auto-Pop Nozzle** it is equal to large operations as well as small. Write if you want agency. Spraying Calendar Free. E. C. Brown Co., 74 Jay St. Rochester, N. Y.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

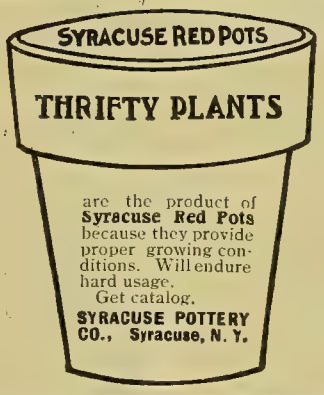
THE KELLER POTTERY COMPANY,
Manufacturers of FLORISTS' RED STANDARD POTS.
Azalea Pots, Bulb and Fern Pans, Etc.
Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

The Ionia Pot is the Best Pot.

That's the reason why it was necessary to double our capacity in 1907 to take care of the trade of 1908. Our factory equipment is the best. Our output is the largest.

Hand your next season's order to Uncle Sam today. Our invoice will be in your hands on his return trip.

IONIA POTTERY COMPANY, Ionia, Mich.



are the product of **Syracuse Red Pots** because they provide proper growing conditions. Will endure hard usage.
Get catalog.
SYRACUSE POTTERY CO., Syracuse, N. Y.

Standard Flower Pots!

Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2-in., in crate,	$4.88	120 7-in., in crate,	$4.20
1500 2¼ "	5.25	60 8 "	3.00
1500 2½ "	6.00	HAND MADE.	
1000 3 "	5.00	48 9-in., in crate,	$3.60
800 3½ "	5.80	48 10 "	4.80
500 4 "	4.50	24 11 "	3.60
320 5 "	4.51	24 12 "	4.80
144 6 "	3.16	12 14 "	4.80
		6 16 "	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address

HILFINGER BROS. POTTERY, Fort Edward, N.Y.
or AUGUST ROLKER & SONS, New York Agents
31 Barclay Street, New York City.

GEO. KELLER & SON,
Manufacturers of
FLOWER POTS
Before buying write for prices.
361-363 Herndon Street
near Wrightwood Ave.,
CHICAGO, ILL.

Price List Standard Red Flower Pots

size	Per 1000	size	Per 1000
1½-in flower pots..	$ 2.50	3 -in flower pots..	$4.50
1¾-in flower pots..	2.60	3½-in flower pots..	6.50
2 -in flower pots..	3.00	4 -in flower pots..	7.90
2¼-in flower pots..	3.50	4½ in flower pots..	10.00
2½-in flower pots..	3.90	5 -in flower pots..	12.00
		6 -in flower pots..	20.00

A. J. MARQUIS, Prop. Middleburg, Ohio.

Kramer's Pot Hangers

For Sale by Wholesale Seedsmen, Florists and Supply Dealers.
Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.

I. N. Kramer & Son, CEDAR RAPIDS, IOWA.

Those Red Pots
"STANDARDS"
FULL SIZE AND WIDE BOTTOMS, BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'F'Y.
HARRY BALSLEY, Rep. DETRIOT, MICH. 490 Howard St.

Florist's Red Pots
OF FINELY PREPARED CLAY.
Process and catalogue sent on request.
The Peters & Reed Pottery Co, ZANESVILLE, OHIO.

Standard Flower Pots
Porosity and Strength Unsurpassed.
Write for Prices.
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LANSING, MICH.—Flower bed robberies have been increasingly frequent, to the great annoyance of residents. The police are taking especial precautions to arrest and bring the offenders to justice.

COLLINWOOD, O.—After considering a dozen plans for marking the spot of the school fire the council of that village has decided to plant upon the site of Lake View school a mammoth flower bed. In this garden will be planted flowers of many varieties, the school children of the village to have charge of its cultivation. The new building, for the erection of which bonds will be issued May 21, and for which plans have been prepared, will be erected immediately back of the old site. The work of excavating for the new building will begin at once.

SCHENECTADY, N. Y.—Chas. Limmer has removed from Joy street to 321 State street.

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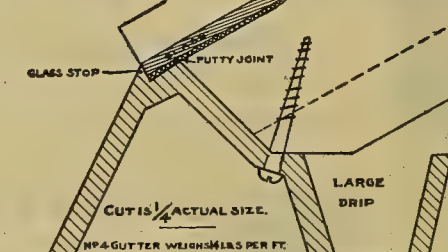

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Cannas, started plants, 3½ and 4-in., Mme. Nardy, Mlle. Berat, R. Christie, Golden King, Pennsylvania, L. Patry, F. Vaughan, Padora, Austria, Souv. d'Antoine Crozy, Roballion, Pierson's Premier, Queen Charlotte, F. Benary, etc., $6 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Cannas, King Humbert, $4 per 100; $35 per 1,000. Allemania, David Harum, Giant Crimson, California, Evolution, Duke of Marlborough, $2.50 per 100; $20 per 1,000. Conard & Jones Co., West Grove, Pa.

Cannas, Black Beauty, Egandale, Antoine Bouvier, Burbank, Kate Gray, $3 per 100. Buffalo Cut Flower Co., 468 Washington St., Buffalo, N. Y.

Cannas, started. A fine stock of different leading varieties. Mosbæk Greenhouse Co., Onarga, Ill.

Cannas, French; 12 vars., 4-in., $7 to $8 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Cannas, Chas. Henderson, Austria, F. Vaughan, 4-in., $6 per 100. J. P. Hauck, Carrick, Pa.

Cannas, named varieties, 4-in. Phœnix Nursery Co., Bloomington, Ill.

Cannas, $8 per 100. W. J. & M. S. Vesey, Ft. Wayne, Ind.

Cannas. James Vick's Sons, Rochester, N. Y.

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Cannas. West End Greenhouses, Lincoln, Ill.

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CARNATION PLANTS from soil per 1,000: White Enchantress, $50; Rose Pink Enchantress, $30; White Perfection, $35; Winsor, $40; Aristocrat, $50; Red Nelson Fisher, $50. A. C. Canfield, Springfield, Ill.

Carnations, 2-in. pots, Aristocrat, $6 per 100. White Perfection, Rose Pink Enchantress, Enchantress, $3 per 100. Winona, $12 per 100. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, Winsor and White Enchantress, 2¼-in., $7.50 per 100; $60 per 1,000. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Carnations, John E. Haines, imperial and Pink Imperial. Enchantress, $6 per 100; $50 per 1,000. John E. Haines, Bethlehem, Pa.

Carnation Afterglow, $2 per doz.: $12 per 100; $100 per 1,000. R. Witterstaetter, Sta. F., Cincinnati, O.

Carnations, Craig, Elbon, Wolcott, B. Market, F. Hill, Enchantress, 2½-in., $3 per 100. C. Eisele, 11th and Westmoreland Sts., Phila.

Carnation Andrew Carnegie, plants from soil, $12 per 100. Chicago Carnation Co., Joliet, Ill.

Carnations, leading vars. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, leading vars. Jensen & Dekema, 674 W. Foster Ave., Chicago.

Carnations. E. G. Hill Co., Richmond, Ind.

CENTAUREAS.

Centaurea Gymno., 2½-in., $3 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Dusty miller, 2-in., 2c. Byer Bros., Chambersburg, Pa.

Dusty miller, 2-in. Phœnix Nursery Co., Bloomington, Ill.

Dusty miller, 2¼-in., $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Centaurea Gym., $2 per 100. Jos. H. Cunningham, Delaware, O.

CHRYSANTHEMUMS.

Chrysanthemums, Virginia Poehlmann, Angele Laurent, Golden Dome, Mlle. Jeanne Rosette, Money Maker, 2¼-in., $2 per doz.; $10 per 100. Mrs. Clay Frick, Zimmers Yellow, Mary Mann, 2¼-in., $1 per doz; $6 per 100; R. C., $5 per 100. Pompons, Klondyke, Quinola, choice single vars., Kitty Bourne, Mrs. Roberts, Amorita, 2¼-in., $1 per doz. Standard varieties: Kalb, Polly Rose, Early Snow, Oct. Frost, C. Touset, White Shaw, Robinson, Beatrice May, Merza, Niveus, Queen, Byron, Eureka, Wanamaker, Adelia, Mrs. McArthur, T. Eaton, Chadwick, Merry Christmas, Glory of Pacific, Rosiere, Shaw, Balfour, Duckham, Enguehard, M. F. Plant, Maud Dean, The Harriott, Mayor Weaver, Mrs. J. Marshall, Monrovia, G. Pitcher, Appleton, Bonnaffon, Golden Wedding, H. W. Rieman, Yellow Eaton, Cullingfordi, Merstham Red, Matchless, Mrs. Duckham, Old Gold. Pompons: Baby, Lulu, Briolas, 2¼-in., 5c each; 50c per doz.; $3 per 100; $25 per 1,000; R. C., $2 per 100; $15 per 1,000. Smiths novelties for 1908: Golden Glow, Pacific Supreme, White Cloud, 2¼-in., $5 per doz. A. N. Pierson, Cromwell, Conn.

CHRYSANTHEMUMS.

	Per 100.		Per 100.
Black Hawk	$1.50	**White.**	
Pink.		Oct. Frost	$2.00
Monogram	1.50	Estelle	1.50
Lady Harriett	1.50	Polly Rose	1.50
Balfour	2.00	Robinson	1.50
Mary Mann	1.50	Merry Xmas	1.50
Mrs. Perrin	1.50	Yanoma	2.00
Dr. Enguehard	1.50	A. Byron	2.00
Maud Dean	1.[illegible]	W. H. Chadwick	2.00
Yellow		T. Eaton	2.00
Appleton	1.50	C. Touset	1.50
Golden Beauty	2.00	Beatrice May	3.00
Golden Wedding	2.00	Kalb	1.50
Oct. Sunshine	1.50	W. Bonnaffon	1.50
Chas. Cronin	1.50	Wanamaker	1.50
Maj. Bonnaffon	1.50	Red Intensity	1.50
Y. Eaton	2.00		

WIETOR BROS., 51 Wabash Ave., Chicago.

Chrysanthemums, cuttings, Ivory, Estelle, Glory of Pacific, Minnie Bailey, Bonnaffon, Col. Appleton, Robt. Halliday, $1.50 per 100; $12.50 per 1,000. 2¼-in., pot plants, $2 per 100; $15 per 1,000. T. W. Baylis & Sons, West Grove, Pa.

CHRYSANTHEMUM PRICE LIST.

	R. C. per 100	R. C. per 1000	2½-in. per 100	2½-in. per 1000
WHITE				
Earliest White, Oct. Frost	$ 3.00	$25.00	$ 4.00	$ 35.00
Virginia Poehlmann	10.00	80.00	12.00	100.00
Kalb	2.00	18.00	3.00	25.00
Robinson	2.00	18.00	3.00	25.00
C. Touset	2.00	18.00	3.00	25.00
Alice Byron	2.00	18.00	3.00	25.00
White Bonnaffon	2.00	18.00	3.00	25.00
Timothy Eaton	2.00	18.00	3.00	25.00
W. H. Chadwick	2.00	18.00	3.00	25.00
Jeannie Nonin	2.00	18.00	3.00	25.00
Merry Christmas	2.00	18.00	3.00	25.00
Garza, single pompon	3.00	....	4.00	....
YELLOW				
Monrovia, earliest	3.00	25.00	4.00	35.00
Halliday	2.00	18.00	3.00	25.00
Col. Appleton	2.00	18.00	3.00	25.00
M. Bonnaffon	2.00	18.00	3.00	25.00
Chatauqua Gold	2.00	18.00	3.00	25.00
Yel. Eaton	2.00	18.00	3.00	25.00
Golden Chadwick	2.00	18.00	3.00	25.00
Golden Wedding	2.00	18.00	3.00	25.00
PINK				
Rosiere	2.00	18.00	3.00	25.00
McNiece	2.00	18.00	3.00	25.00
Dr. Enguehard	2.00	18.00	3.00	25.00
Maud Dean	2.00	18.00	3.00	25.00
RED				
Intensity	2.00	18.00	3.00	25.00
Schrimpton	2.00	18.00	3.00	25.00

All stock plants grown on top of benches to procure the best results. Cuttings far superior to most of them offered. Satisfaction guaranteed. Cash with order.

POEHLMANN BROS. CO., Morton Grove, Ill.

CHRYSANTHEMUMS.

Strong, healthy, well rooted cuttings of Brutus, Roserie, Geo. S. Kalb, G. of Pacific, Cobbold, Halliday, Duckham (pink, Nellie Pockett, Appleton, Parr, Ben Wells, White and Pink Ivory, A. J. Balfour, Jeannie Nonin, White and Yellow Bonnaffon, Roi de Italie, P. Plumridge, Minnie Bailey, W. B. Chamberlain, John K. Shaw, Edgar Saunders, Dr. Enguehard, Mrs. Weeks, Merza, Robinson, Willowbrook, C. Touset, Gen. Maceo, $1.50 per 100; 2-in. plants $2 per 100. October Frost, White and Golden Chadwick, White and Yellow Jones, White and Yellow Eaton, cuttings, $2 per 100; pot plants, $2.50 per 100. Golden Dome, $1 per doz.; $8 per 100. James Hamilton, Mt. Washington, Maryland.

Chrysanthemums, rooted cuttings: White, Timothy Eaton, Mrs. Geo. S. Kalb, fine early; Estelle, White Bonnaffon, Alice Byron, Ivory, C. Touset, Jeannie Nonin. Pink: Glory of the Pacific, Mary Mann, Dr. Enguehard, Maud Dean, Rosiere, Yellow; Major Bonnaffon, Cremo, Robt. Halliday, "Baby" small yellow, $2 per 100; $15 per 1,000. Cash with order. Wm. Swayne, P. O. Box 226, Kennett Square, Pa.

Beatrice May only $2.50. Oct. Frost, Touset, Adelia, Nonin, Enguehard, Shaw, Monrovia, strong stock, sure to please, $2.50 per 100; cuttings, $1.50. Not more than 25 per cent B. May in any order at above rates. W. J. Olds, Union City, Pa.

Chrysanthemums, W. H. Chadwick, Golden Chadwick, $2 per 100. White Bonnaffon, Oct. Frost, Estelle, C. Touset, Ivory, Kalb, J. Nonin, Bonnaffon, Oct. Sunshine, Golden Wedding, Monrovia, Dr. Enguehard, Glory of Pacific, $1.50 per 100. A. F. Longren, Des Plaines, Ill.

Chrysanthemums, R. C., $15 per 100; plants, $22.50 per 1,000: Touset, Opah, Byron, white and yellow Eaton, Bonnaffon, Monrovia, Rosiere. Also A. J. Balfour. $4 per 100; $40 per 1,000. E. G. Hill Co., Richmond, Ind.

Chrysanthemums, hardy, 75 best vars., small fld. or button kinds, $2 per 100; large fld. or aster, $3 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Chrysanthemums, novelties and standard kinds. Special offer on single vars., 100 plants, 10 or more vars., $8. Chas. H. Totty, Madison, N. J.

Hardy chrysanthemums, mixed varieties, 2¼-in., $2.25 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Chrysanthemums for every purpose. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, 20 good vars., 2½-in., $2.50 per 100. West End Greenhouses, Lincoln, Ill.

Mums, 20 kinds, R. C., $1.50; 2½-in., $2.50. Burdell Floral Co., Bowling Green, Ky.

CLEMATIS.

Clematis, large flowering vars., 2-yr., red, purple, white, $3 per doz.; paniculata, 4-in., $1.50 per doz.; $10 per 100; 3-in., $5 per 100. C. Eisele, 11th and Westmoreland Sts., Phila.

Clematis, true Jackmani, 6-in., 3 ft., 35c to 40c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

COBEAS.

Cobeas, 3-in., $5 per 100. West End Greenhouses, Lincoln, Ill.

Cobea scandens, 4-in., 10c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Cobea scandens, $8 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

COLEUS.

Coleus, Verschaffeltii, Golden Queen, Fire Brand, Lord Palmerston, Queen Victoria, Beckwith's Gem. R. C., 60c per 100; $5 per 1,000. Golden Bedder, Hero, Messey, Pearl of Orange, 75c per 100; $6 per 1,000. Fancy vars., 12 kinds, 75c per 100; $6 per 1,000. A. N. Pierson, Cromwell, Conn.

Coleus, Queen Victoria, Golden Bedder, Verschaffeltii, 2½-in., $3 per 100; fancy vars., $4, G. Aschmann, 1012 W. Ontario St., Phila.

Coleus, Verschaffeltii, Golden Bedder, etc., $2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Coleus, 3-in., best varieties for bedding. Fine plants, $5 per 100; $40 per 1,000. Cash, please. C. L. Van Meter, Monticello, Iowa.

Coleus, 12 vars., 2-in., $1.50 per 100; $14 per 1,000; large 3-in., $2.50. Wm. S. Herzog, Morris Plains, N. J.

Coleus, Verschaffeltii and Golden Bedder, Firebrand, 2½-in., $2 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Coleus, 20 leading varieties, $2.50 per 100. Frey & Frey, Lincoln, Neb.

Coleus, 10 varieties, 2¼-in., $2 per 100. Jos. H. Cunningham, Delaware, O.

Coleus, 3-in., $5 per 100. West End Greenhouses, Lincoln, Ill.

Coleus, 2-in., 12 vars., bedding and fancy, $2 per 100. W. W. Coles, Kokomo, Ind.

Coleus G. Bedder, Verschaffeltii, etc., 2½-in, Phœnix Nursery Co., Bloomington, Ill.

Coleus, asst., R. C., 75c per 100; 2¼-in., $2.50. W. J. & M. S. Vesey, Fort Wayne, Ind.

Coleus, 8 kinds, fine 2½-in., $2; R. C. 75c. Burdell Floral Co., Bowling Green, Ky.

Coleus, 2½-in., $2 per 100; $18 per 1,000; 5,000 for $75. C. Humfeld, Clay Center, Kans.

Coleus, 6 good varieties, 2½-in., $2 per 100. The Krueger Bros. Co., Toledo, O.

Coleus, 2-in., 2c. Byer Bros., Chamberb'g, Pa.

Coleus. Geo. M. Emmans, Newton, N. J.

Coleus. J. L. Dillon, Bloomsburg, Pa.

CROTONS

Crotons, 4-in., $25 per 100; 5-in., $50 per 100; 6-in., $75 per 100. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Crotons for bedding, 3½-in., $25 per 100; 5-in., $50. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

CUPHEAS.

Cupheas, 2 kinds, R. C., 75c. Byer Bros., Chambersburg, Pa.

Cupheas, 2½-in., $3 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

CYCLAMENS.

Cyclamen, 2½-in., $5; 3-in., $7; 4-in., $15; 5-in., $20 per 100. S. S. Skidelsky, 1741 N. 18th St., Philadelphia.

DAHLIAS.

Dahlias, cactus: Mrs. A. Beck, Chas. Woodbridge, Miss A. Nightingale, F. Bartels, $1 per doz. Kriemhilde, Countess of Lonsdale, $1.50 per doz. Decorative: Zula, Oban, Iridescent, Mrs. Geo. Reed, $1 per doz. C. W. Bruton, Sylvia, $1.50 per doz. Show dahlias: A. D. Livoni, $1.50 per doz. Cameliflora, $1 per doz. Single: J. Cowan, John Downie, $1.50 per doz. Sunningdale, $1 per doz. Mixed colors: All colors, 75c doz. Mixed yellow, 75c per doz. Geo. Wittbold, 1657 Buckingham Pl., Chicago.

Dahlias, 2½-in., $2 per 100, such sorts as C. W. Bruton, Mrs. Winters, Fire Rain, Frank Smith, Mrs. Roosevelt, Kriemhilde, Countess of Lonsdale, Mme. Van der Dael. Memphis Floral Co., Memphis, Tenn.

Dahlias, standard, double valuable sorts, $3 and $4 per 100. New and fancy sorts, $8 to $12 per 100; few good standard sorts, $2 per 100. Ferndale Nurseries, Harlan, Iowa.

Dahlias, novelties and standard varieties, true to name. A choice list of the best introductions. Send for catalogue of dahlias, hollyhocks, hardy plants. W. W. Wilmore, Box 382, Denver, Colo.

Dahlia roots, field clumps, $5 per 100 up. Plants, 2-in., $2 per 100 up; 1,000, 20 vars., our selection, $18.50. R. Vincent, Jr. & Sons Co., White Marsh, Md.

The American Florist invites attention to the class of business firms in its adv. columns.

If you do not find what you need in our Ready Reference Department, write us about it.

Dahlias, leading varieties. David Herbert & Sons, Atco, N. J.

Dahlias, all leading sorts. James Vick's Sons, Rochester, N. Y.

DAISIES.

Daisies, Shasta, Alaska and Burbank, seedlings and transplanted, $1.50 per 100; undivided field clumps, $5 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Daisy Queen Alexandra, well flowered, 6 and 7-in., $6 to $9 per doz. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Marguerites, French, in bloom, 6-in., $5 per doz. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Daisies, English, $3 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Shasta daisy, 2 kinds, 2½c and 3c. Byer Bros., Chambersburg, Pa.

Daisies (Bellis Perennis), $2 per 100. Wagner Park Conservatories, Sidney, O.

Bellis daisies, full bloom, $1 per 100. Theo. G. Browne, 6948 Magnolia Ave., St. Louis, Mo.

DRACENAS.

Dracæna indivisa, 6-in., 50c each; 7-in., 75c to $1. Frank Oechslin, 2570 W. Adams St., Chicago.

Dracænas, fine 3-in., $5; 4-in., $10; very nice stock. W. H. Gullett & Sons, Lincoln, Ill.

Dracæna terminalis, fine colored, 4-in., $2 per doz.; 3-in., $1 per doz. The Krueger Bros. Co., Toledo, O.

Dracæna, indivisa, 4-in., $2 per doz.; 5-in., $3 per doz. Strong plants. C. C. Pollworth, Co., Milwaukee, Wis.

Dracæna indivisa, 4-in., $2 per doz.; $12 per 100; 5-in., $3 per doz.; $20 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Dracæna fragrans, 6-in., 3 ft. high, $12 per doz. F. R. Pierson Co., Tarrytown-on-Hudson.

Dracæna indivisa, 2-in., $3 per 100; 3-in., $5. Geo. M. Emmans, Newton, N. J.

Dracæna indivisa, 2¼-in., $2; 3-in., $5 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

EUONYMUS.

Euonymous, Jap., green and variegated, 12 ins. high, $6 per 100. Wagner Park Conservatories, Sidney, O.

FERNS.

Ferns, Piersoni Elegantissima, 2¼-in., $6 per 100; 3½-in., $15; 6-in., 50c each; 8-in., $1 and $1.50 each; 10-in., $2 each. Whitmani, 2¼-in., $6 per 100; 3½-in., $15 per 100; 6-in., 50c and 75c each; 8-in., $1.50; 10-in., $2. Small ferns for pans, $4 per 100; $30 per 1,000. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Whitmani, 2¼-in., $5 per 100; 3½-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Son, Whitman, Mass.

Ferns, small assorted, 2-in., pots, $3 per 100. Scottii, 5-in., $2 per doz. Wagner Park Conservatories, Sidney, O.

Ferns for dishes, assorted vars., 2-in., $3 per 100; $25 per 1,000. Frank Oechslin, 2570 W. Adams St., Chicago.

Ferns, Boston, 3 and 4-in., $6 and $12 per 100. Elegantissima and Piersoni, 2¼-in., 3c. W. W. Coles, Kokomo, Ind.

Ferns, Boston and Piersoni, 2½-in., $3 per 100; 3-in., $6; 4-in., $10; 6-in., 40c each. Thos. Salveson, Petersburg, Ill.

Ferns, Boston and Piersoni, 6-in., 30c. J. P. Hauck, Carrick, Pa.

Ferns, Boston, 5-in., 30c each. Geo. M. Emmans, Newton, N. J.

FEVERFEW.

Feverfew, 2¼-in., $2.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Feverfew, young plants, 75c per 100. Byer Bros., Chambersburg, Pa.

FICUS,

Ficus elastica, per doz., $2. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Ficus elastica, 5-in., $4 per doz.; 6-in., $6. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

FUCHSIAS.

Fuchsias, Black Prince and Minnesota, $2 per 100. Lieut. Muritz, white and rose Phenomenal, $2.50. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Fuchsias, in bud and bloom, 3-in., $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Fuchsias, 5 kinds, 2-in., $1.50 per 100. Shippensburg (Pa.) Floral Co.

Fuchsias, 4-in., $10 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

GAILLARDIAS.

Gaillardias, 3-in., $4 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

GERANIUMS.

Geraniums, 2-in. pots, Centaure, Dbl. Gen. Grant, El Cid, Miss Kendell, Nutt, Granville, Jacquerie, Mrs. E. G. Hill, etc., $2 per 100; $18.50 per 1,000. A. Ricard, B. de Presilly, Jean de la Brete, Alice of Vincennes, etc., $3 per 100; $25 per 1,000. Dbl. Dryden, E. H. Trego, Henderson, Telegraph, $4 per 100; $35 per 1,000. Eugene Sue, Mrs. Lawrence, Paul Campbell, Minstrel, Jean Oberlee, Col. Thomas, $6 per 100; $50 per 1,000. Rose, Nutmeg, Oak Leaved and Balm, $2 per 100. S. A. Nutt, Dbl. Grant, La Pilote, Granville, etc., 3-in., $3.50 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

GERANIUMS. SPECIAL OFFER for ensuing week. 30,000 S. A. Nutt, 8,000 Beaute Poitevine from 2½-in. pots, $2 per 100; $18 per 1,000. 15,000 of "Our Special Bench Plants" var. S. A. Nutt, Peter Henderson, Beaute Poitevine, Francis Perkins, Jean Viaud, Mme. Buchner. These are fine and equal to 4-in. and 5-in. stock, packed light, $5 per 100; $50 per 1,000. Same varieties, strong rooted cuttings from sand, $1.25 per 100; $12 per 1,000 cash.
THE W. T. BUCKLEY CO.
SPRINGFIELD, ILL.

Geraniums, splendid 4-in. plants, Ricard, Viaud. Heteranthe, Perkins, etc., $7.

SPECIAL STOCK for May 30. Extra fancy 5-in. in full bloom, $2.25 per doz.; will retail for 50c. Fancy 4-in., $1.25 per doz. W. H. Gullett & Sons, Lincoln, Ill.

Geraniums, in bud and bloom. Nutt, Dbl. Grant, Poitevine, Rose, Buchner, etc., 3½-in., $5 per 100; $45 per 1,000; 3-in., $3.50; 3 and 4-in., not in bloom, $3 and $4 per 100: $25 and $35 per 1,000. Wm. S. Herzog, Morris Plains, N. J.

Geraniums, Jean Viaud, Heteranthe, A. H. Trego, M. de Castellane, Granville (pink single), in bud, 3-in., strong and bushy, $5 per 100; $40 per 1,000. Memphis Floral Co., Memphis, Tenn.

Geraniums, in bud and bloom, Nutt, Viaud, Ricard, M. Cheveliere, M. Jaulin, Dryden, Perkins, Hill, 2¼-in., $3; 3-in., $5; 4-in., $8; 5-in., $25 per 100. W. J. & M. S. Vesey, Fort Wayne, Ind.

Geraniums, Nutt, Doyle, Perkins, Ricard, Grant, La Favorite, R. C., $1.25; 2-in., $2; 3-in., $4 per 100. Trego, Viaud, Castellane, Poitevine, Jaulin, R. C., $1.50; 2-in., $2.50; 3-in., $5 per 100. Geo. Emmans, Newton, N. J.

Geraniums, S. A. Nutt, La Favorite, well grown plants, 3½ and 4-in. pots, in bud and bloom, $5 per 100. Wm. F. Borman, Marietta, O.

2,000 big 4-in. pots gilted gold geraniums, full of bloom, $8 per 100. S. A. Nutt and other choice varieties, big 4-in. plants, $10 per 100. Frey & Frey, Lincoln, Neb.

Geraniums, S. A. Nutt, 4-in. stock, $8 per 100. Cash with order. Fred Rentschler, Madison, Wis.

Geraniums, S. A. Nutt and 4 others, 3½-in., $3.50 per 100; Nutt, 2½-in., $2.75. Jos. H. Cunningham, Delaware, O.

Geraniums, ivy, in variety, 2¼-in., $3; 3-in., $6 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Geraniums, 3½-in., 5c; Nutt, Winch, La Favorite, Bliss, Wonder, George. Hammerschmidt & Clark, Medina, O.

Geraniums, standard varieties, 2¼-in., $2.50 per 100; also Mme. Salleroi, $2.50. Mosbæk Greenhouse Co., Onarga, Ill.

Geraniums, S. A. Nutt, John Doyle, etc., 4-in., $7 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Geraniums, Nutt, Perkins, Poitevine, Castellane, Ricard, $10 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, 2-in., 2c. Byer Bros., Chambersburg, Pa.

Geraniums, Nutt, Poitevine, 4-in., $6 per 100. J. P. Hauck, Carrick, Pa.

Geraniums, 4-in., dbl. and single. Phœnix Nursery Co., Bloomington, Ill.

Geraniums, ivy, 2-in., 2½c. Byer Bros., Chambersburg, Pa.

Geraniums. C. H. Frey, 1133 O St., Lincoln, Neb.

Geraniums, S. A. Nutt, bud and bloom, $7 per 100; 3½-in. Stephen Chase, Nashua, N. H.

Geraniums. James Vick's Sons, Rochester, N.Y.

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GLADIOLI.

Gladiolus America, $6.50 per 100; $60 per 1,000. Write for prices on other stock. Cushman Gladiolus Co., Sylvania, O.

Gladiolus bulbs, $1 per 100. Geo. M. Emmans, Newton, N. J.

GLOXINIAS.

Gloxinias. L. Van Houtte, Pere, Ghent, Belgium.

GREENS.

Greens, southern wild smilax. E. A. Beaven, Evergreen, Ala.

Greens, dagger and fancy ferns, $1.75 per 1,000. Bronze and green galax, $1.25 per 1,000. Leucothoe sprays, $1 per 100; $7.50 per 1,000. Sphagnum moss, per bale, $1.25. Boxwood bunches, 35c; 50 lbs., $7.50. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit.

Greens, bronze galax, $8.50 per case of 10,000; green, $7.50. Dagger and fancy ferns, $1.50 per 1,000. Laurel festooning, boxwood, southern wild smilax, sphagnum moss and green moss, leucothoe sprays, etc. H. M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, cut palmetto and cycas leaves, galax leucothoe, ferns, mosses, etc. Kervan Co., 113 W. 28th St., New York.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 53 W. 28th St., New York.

Greens, smilax, ferns, palm leaves, etc., John P. Scherer, Union Hill, N. J.

HARDY PERENNIALS.

Perennials, last fall sowing from cold frames; Hollyhocks, dbl., white, pink and red; Aquillegia Canadensis and N. grandiflora; Gaillardia grandiflora superba; Myosotis semperflorens; Delphinium Chinensis, also alba, Digitalis Glox. Shasta daisy, pansies, daisy or bellis, $2 per 100. Perennials in pots; Coreopsis lanceolata, 5-in., 10c; campanula in variety, 5-in., 12c; 6-in., 15c; 6-in., bud and bloom, 35c. Sweet william, 5-in.,12c. Lychinis Chal., 3½-in., 5c. Ampelopsis Veitchii, 2-in., $2.50 per 100. Dianthus, sweet william, 5-in., $10 per 100. Coreopsis lanceolata, 5-in., $8 per 100. Campanula, asst., 6-in., $12 per 100. Iris Germanica, 60c per doz.; $4 per 100; Kaempferi, 15c each; $1.50 per doz.; $10 per 100. Bachelor's button, 2 ft., 10c. Chrysanthemum maximum; Shasta daisy, 75c per doz.; Campanula, asst., 85c per doz. Coreopsis lanceolata, 75c per doz. Day lily, 85c per doz; $6 per 100. Gaillardia, 85c per doz. Golden Glow, 85c per doz. Lychnis Chalcedonica, 85c per doz. Delphinium, 15c each. Phlox, 85c to $1.50 per doz. Pentstemon, asst., $1 to $1.25 per doz. Polemonium cæruleum, $1 per doz. Physostegia speciosa, mixed, 85c per doz. Yucca filamentosa, $1.50 per doz. 3-in. perennials from pots, 75c per doz.; $5 per 100. Sweet william, 4-in., 75c per doz.; $5 per 100. Garden pinks, 4-in., 85c per doz.; $6 per 100. Forget-me-not, 60c per doz.; $4 per 100. Lychnis Chalcedonica, 3-in., 85c per doz.; $6 per 100. Foxglove, 3-in., 85c per doz.; $6 per 100. Achillea, 3-in., 75c per doz.; $5 per 100. Canterbury bell, 4-in., 85c per doz.; $6 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Hardy plants. Get our prices for field-grown stock. We have one of the finest assortments of undivided clumps, also in seedlings and transplanted. Ask for descriptive list. Mosbæk Greenhouse Co., Onarga, Ill.

Hardy phlox, fall cuttings, $2; 2¼-in., $2.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Phlox Drummondi, 2½ to 3-in., grandi., vars., $3 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Hardy phlox, Andreas Hoffer, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

HELIOTROPES.

Heliotrope, four of the best, 2¼-in., $2.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Heliotrope, 4-in., $7 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Heliotrope, 4-in. Phoenix Nursery Co., Bloomington, Ill.

Heliotrope, R. C., 75c per 100; $6 per 1,000. A. N. Pierson, Cromwell, Conn.

Heliotrope. Geo. M. Emmans, Newton, N. J.

HOLLYHOCKS.

Hollyhocks, double in six separate colors. Also the Allegheny or Everblooming strain in mixed colors, field-grown plants, $3 per 100 for either strain. Dahlias and hardy plants. Catalogue. W. W. Wilmore, Box 382 Denver, Colo.

Hollyhocks, 3-in., double, white, pink, red, yellow, $3 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Hollyhocks, single, field-grown, $2.50 per 100. Byer Bros., Chambersburg, Pa.

Hollyhocks, double, separate colors, $2.25 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

HONEYSUCKLES.

Honeysuckles, Halliana and Red Trumpet, $1,50 per doz.; $10 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

HYDRANGEAS.

Hydrangeas, American everblooming. Fine plants from pots for lining out, $8 per 100; $75 per 1,000. The E. Y. Teas Co., Centerville, Ind.

Hydrangeas, 3-in., $10 per 100; 6 and 7-in., 50c, 75c and $1 each. Geo. A. Kuhl, Pekin, Ill.

Hydrangeas, 25c to $4 each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

If you do not find what you need in our Ready Reference Department, write us about it.

Hydrangea Otaksa, large plants in tubs, $2 to $3 each; extra large in half barrels, $5 to $7.50 each; 6-in., in bud and bloom, $5 per doz. F. R. Pierson Co., Tarrytown-on-Hudson.

Hydrangea Snowball, 3-yr., $5 per doz. Vaughan's Seed Store, Chicago and New York.

Hydrangeas, 5-in., in bloom, $35 per 100. C. H. Frey, 1133 O St., Lincoln, Neb.

Hydrangeas, W. & T. Smith Co., Geneva, N. Y.

IVIES.

Ivy, English or hardy, 3 ft. high, 4-in., 12c; German or parlor, 2½-in., $3 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Ivy, English, 4-in., $1.50 per doz.; $10 per 100; 3-in., $5 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Ivy, English, 3½ and 4-in., $8 per 100; extra size, $10. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ivy, German, 2½ and 3-in. Phoenix Nursery Co., Bloomington, Ill.

English ivy, hardy, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Ivy, German, 2½-in., $2.50 per 100. West End Greenhouses, Lincoln, Ill.

Ivy, German, 2¼-in., $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Ivy, German, 2¼-in., 2c. Hammerschmidt & Clark, Medina, O.

English ivy, 2½-in. pots, $5 per 100. Wagner Park Conservatories, Sidney, O.

LILACS.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig Saxony, Germany.

From Storage.

Lily of the valley, for forcing, $11 per 1,000. W. C. Beckert, Pittsburg, N. S., Pa.

Lily of the valley, pips, cold storage. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley, cold storage pips, $14 per 1,000; $1.75 per 100. H. N. Bruns, 1407-11 W. Madison St., Chicago.

LOBELIAS.

Lobelias, Crystal Palace Gem, $2 per 100; Kathleen Mallard, 2-in., $3 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Lobelia, dwarf or trailing, 2½-in., Crystal Palace, $3 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Lobelias, in bloom, 2-in., $1.50; 3-in., $2.50 per 100. Wm. S. Herzog, Morris Plains, N. J.

Lobelia speciosa, 2½-in. Phoenix Nursery Co., Bloomington, Ill.

Lobelias, trailing and compacta, 2¼-in., $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

MOSS.

Sphagnum moss, 5 barrel bale, $1.25; 2 bales, $2.25; 5 bales, $5; 10 bales, $9.50. H. R. Akers, Chatsworth, N. J.

Sphagnum moss in burlap or wired bales. Write for prices. Vaughan's Seed Store, Chicago and New York.

MUSHROOM SPAWN.

Mushroom Spawn. Johnson's improved. Johnson's, Ltd., 44 Bedford Row, London, W. C., Eng.

Mushroom spawn. English and pure culture. Weeber & Don, 114 Chambers St., New York.

Mushroom spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock, trees and shrubs, price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, large trees, oaks, maples, pines and hemlock. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, arbor vitæ (Thuya occidentalis) 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, fruit and shade trees, shrubs, evergreens. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. Storrs & Harrison, Painesville, O.

ORANGES.

Oranges, Kinkan. P. J. Berckmans Co., Augusta, Ga.

ORCHIDS.

Orchids, C. Trianæ, C. labiata, C. Schroederæ, C. gigas Sanderiana, C. Harrisoniæ, C. citrina, Lælia anceps, Oncidium varicosum Rogersii, O. ornithorhynchum, O. tigrinum, Odontoglossum Insleayi, O. Rossii majus, also orchid peat, sphagnum moss, baskets, etc. Carrillo & Baldwin, Secaucus, N. J.

Orchids in superb condition. Cattleya Mossiæ, C. Schroederæ, Lælia anceps, Epidendrum vitellinum, etc. Lager & Hurrell, Summit, N. J.

Orchids, C. Trianæ, C. Percivaliana, C. speciosissima, C. Gaskelliana, Oncidium Kramerianum. Ordonez Bros., Madison, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England. New York office, room 1, 235 Broadway.

Orchids, choice assorted flowering, established, $12 per doz. Wm. Mathews, West View Greenhouses, Utica, N. Y.

Orchids, Lælia purpurata, Cattleya intermedia, C. Mossiæ. Julius Roehrs, Rutherford, N. J.

PALMS.

Palms, home-grown. Areca lutescens, 6-in., 3 plants, 24 to 26 ins., $1 each; $12 per doz.; 7-in., 3 plts., 30 to 32 ins., $2 each; $24 per doz.; 8-in., 3 plts., 36 to 40 ins., $3 each; $36 per doz. Cocos Wedd., 2½-in., 8 to 10 ins., 10c each; 10 to 12 ins., 15c each. Kentia Bel., 6-in., 6 to 7 leaves, 22 to 24 ins., $1 each; $12 per doz.; 6-in., 6 to 7 lvs., 24 to 26 ins., $1.25 each; $18 per doz.; 6-in., 6 to 7 lvs., 26 to 28 ins., $1.50 each; $18 per doz.; 6-in., 6 to 7 lvs., 30 to 36 ins., $2 each; $24 per doz.; 7-in., 6 to 7 lvs., 32 to 34 ins., $2.50 each; $30 per doz.; 9-in. tub, 6 to 7 lvs., 42 to 48 ins., $5 each; $60 per doz. Kentia Fors., 9-in., tub, 4 plants, 4 ft., $6 each. Joseph Heacock, Wyncote, Pa.

Palms, Kentia Bel., 5-in., $7.20 per doz.; 5-in., strong, $9; 6-in., $12; 6-in., strong, $15; Forsteriana, 5-in., $7.20 per doz.; 5-in., strong, $9; 6-in., $12; 6-in., strong, $15. Cycas revoluta, 4-in., 25c each; 5-in., 35c; 6-in., 50c; 7-in., 75c to $1; 8-in., $1.25 to $1.50. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Palms, Kentia Bel., 5¼-in., 20 to 25 ins., 40c to 50c; 4-in., 20 ins., 35c; Bel., and Fors., 6-in., $1 each. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Kentia Fors., made-up plants, 8-in., 3 to 4 ft., $2 each; 10-in., 4 to 5 ft., $4; 10-in., 5 to 6 ft., $6; 12-in., 5 to 12 ft., $8. J. B. Heiss, 112 S. Main St., Dayton, O.

Palms, Cycas revoluta stems, 25 lbs., $2; 100 lbs., $7. Moore & Simon, 339 Market St., Philadelphia.

Palms. P. J. Berckmans Co., Augusta, Ga.

Palms. L. Van Houtte, Pere, Ghent, Belgium.

PANDANUS.

Pandanus Veitchii, 5-in., $9 per doz.; 6-in., $12; larger, $2 to $3.50 each. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

PANSIES.

FULL OF LIFE PANSY PLANTS. Transplanted, $1 per 100; $8.50 per 1,000. Seedlings, 50c per 100; $3 per 1,000. H. W. Buckbee, Rockford, Ill.

Pansies, bud and bloom, $1.90 per 100; $17 per 1,000. W. J. & M. S. Vesey, Ft. Wayne, Ind.
Pansies, fall transplanted, in bud and bloom, $1.25 per 100; $10 per 1,000. Leonard Cousins, Jr., Concord Junction, Mass.

Pansies, from cold frame, strong, in bud, 2nd size, 75c per 100. F. A. Baller, Bloomington, Ill.

Pansies, $3 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Pansies, in bud, $3 per 1,000. Byer Bros., Chambersburg, Pa.

PELARGONIUMS.

Pelargoniums, 3-in., $1.50 per doz.; $6 per 100. R. Vincent, Jr. & Sons, White Marsh, Md.

PEONIES.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Wholesale peony list for fall 1908 is now ready. J. F. Rosenfield, West Point, Neb.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies, leading vars. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunias, seedlings from dbl. seed, 2½-in., $2.50 per 100. Jos. H. Cunningham, Delaware, O.

Petunias, California giant, 3-in., $5 per 100. Inimitable, 2½-in., $3. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Petunias, dbl., 10 kinds. R. C., $1. Byer Bros., Chambersburg, Pa.

Petunias, double fringed in bud and bloom, 2¼-in., ready for 4-in., $2.50 per 100. The Krueger Bros. Co., Toledo, O.

The American Florist invites attention to the class of business firms in its adv. columns.

POINSETTIAS.

Poinsettias, 2½-in., $5 per 100; $45 per 1,000. S. S. Skidelsky, 1741 N. 18th St., Philadelphia.

PRIMULAS.

Primroses, 8 vars., $2 per 100. Jos. H. Cunningham, Delaware, O.

RHODODENDRONS.

Rhododendrons. W. & T. Smith, Geneva, N. Y.

Rhododendrons. Jacs Smits, Naarden, Holland.

ROSES.

Roses, Tausendschon, Lady Gay and Anny Muller, 1½-in., $5; 3-in., $10. Ideal, Wellesley, MacArthur, P. Neyron, Vick's Caprice, D. of Edinburgh, G. de Brussels, M. Plantier, C. Lefebvre, M. Neil, Mrs. DeGraw, 2-in., $2.50 per 100. Golden Gate, H. Gould, Deegan, F. E. Willard, Kaiserin, Richmond, V. Folkstone, C. hybrid, Gen. Jacq., J. Margotten, M. of Lorne, Jubilee, L. H. Stuart, La Reine, Brunner, M. P. Wilder, P. C. de Rohan, L. Van Houtte, M. Charta, Apricot, Aurora, White Cochet, R. M. Henriette, L. Battersea, Safrano, 3-in., $6 per 100. D. de Brabant, Bride, Maid Ivory, P. des Jardins, Enchantress, F. Robertson, Wellesley, S. de P. Notting, Killarney, Manda's Triumph, Pink Rambler, Yellow Rambler, Phila. Rambler, Prairie Queen, Seven Sisters, Baltimore Belle, C. Brunner, Debutante, Lily Ito, Queen Alexandria, Mme. Driout, 4-in., $8 per 100. Wagner Park Conservatories, Sidney, O.

Roses, grafted, Mrs. Jardine, Rhea Reid, Queen Beatrice, $6 per doz.; 50 for $18; $35 per 100. My Maryland, 50c each; $5 per doz.; $35 per 100; own root, 2½-in., $25 per 100; $2 per 10; 3-in., $15 per doz. Standard vars.: Aurora, Bon Silene, Bride, Maid, Enchanter, Etoile de France, Franz Deegen, Gen. MacArthur, Hermosa, Kaiserin, Kate Moulton, Killarney, La Detroit, M. Cochet, M. Niel, Mme. Chatenay, Mme. Hoste, Mrs. Morgan, Gontier, Rosalind Orr English, Wootton, Wellesley, White Cochet, grafted, 2¼-in., 20c each; $2 per doz.; $15 per 100; $120 per 1,000. Own root roses, 2½-in., Killarney, Bride, Bridesmaid, Ivory, Richmond, Chatenay, Aurora, $1 per doz.; $6 per 100; $50 per 1,000; 2-in., $3.50 per 100; $30 per 1,000. A. N. Pierson, Cromwell, Conn.

Roses, $2.50 per 100; $25 per 1,000; Baby Rambler, C. Soupert, D. Perkins, Mme. A. Chatenay, C. Rambler; $2.75 per 100; $27.50 per 1,000: Hermosa, Maman Cochet, Malmaison, Etoile de Lyon, Helen Gould, Lady Gay, M. Niel, Notting, Meteor, White Maman, Albany, La France; $3 per 100; $30 per 1,000; Mme. C. Wood, P. C. de Rohan, Mme. Plantier, Gen. Jacq.; Black Prince, Mme. Masson, Richmond, Kaiserin, Paul Neyron, $3.50 per 100; $35 per 1,000; Capt. Christy, Magna Charta, Etoile de France, Gen. McArthur, Mrs. J. Laing, Helen Good, Killarney, $5 per 100. J. B. Clark, Druschki, $8 per 100. C. M. Niuffer, Springfield, O.

Roses, in pots and outdoor: Prairie Queen, 3 to 5 ft., 15c to 35c each. Crimson Rambler, 2 ft., 15c. Baby Rambler, 3½-in., $6 per 100. Sweet briar, 2 to 3 ft., 10c to 25c each. One lot of hybrid perpetual, 5-in., asst., pot-grown, $15 per 100. Bride, Maid, Chatenay, 5-in., 3c. Baby Rambler, 3-in., 6c. Uncle John and Chatenay, 1-yr., in flower and bud, 6-in., 15c. Hybrid perpetuals, $15 per 100; $2 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Roses, Mrs. Potter Palmer, 2½-in., $15 per 100; $125 per 1,000; 2,000 or more, $115 per 1,000; 3½-in., $18 per 100; $150 per 1,000. Cardinal, 2½-in., $6 per 100; $55 per 1,000; 3½-in., $8 per 100; $75 per 1,000. Maid, Richmond, Sunrise, Uncle John, 2½-in., $4.50 per 100; $40 per 1,000; 3½-in., Maid, Kaiserin, ready May 20, $6.50 per 100; $60 per 1,000. Benched Beauties, cut back, $6.50 per 100; $55 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

YOUNG ROSE STOCK.

	Per 100	Per 1,000
Kaiserin, 3½-in.	$5.00	$45.00
Kaiserin, 3-in	4.50	40.00
Kaiserin, 2½-in.	3.50	30.00
Maids, 2½-in.	3.00	25.00
Brides, 2½-in.	3.00	25.00
Richmond, 2½-in.	3.00	25.00
Kate Moulton, 2½-in.	3.00	25.00

WIETOR BROS., 51 Wabash Ave., Chicago.

Roses, from 2½-in., Bride, Maid, Uncle John, Ivory, Chatenay, $2.50 per 100; $22.50 per 1,000. Sunrise, Perle, Kate Moulton, Richmond, $4 per 100; $35 per 1,000. Killarney, $5 per 100; $40 per 1,000. Bench plants: Richmond, $4 per 100; $35 per 1,000. Am. Beauty, $6 per 100; $50 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Roses, 3-yr. bench plants, 2,000 Maids, 2,000 Brides, $5 per 100; $45 per 1,000. Lamborn Floral Co., Alliance, O.

If you do not find what you need in our Ready Reference Department, write us about it.

Roses. Kaiserin, 2½-in., $4.50 per 100; $40 per 1,000. Killarney, 3-in., own root, $7 per 100; Killarney, grafted on manetti, 2½-in., $12 per 100; grafted on briar, 2½-in., $10. Bench plants: Beauty, $6 per 100; $50 per 1,000; Richmond, Maid, Bride, Chatenay, $3 per 100; $25 per 1,000. Bassett & Washburn, 76 Wabash Ave., Chicago.

Roses, grafted Killarney, Richmond, Bride and Maid, $12 per 100; $110 per 1,000. Own roots: Bride, Maid, G. Gate, Ivory, Perle, Killarney, Richmond, $6 per 100; $55 per 1,000; all from 3½-in. P. R. Quinlan, Syracuse, N. Y.

Roses, grafted, Chatenay, Killarney, Richmond, Liberty, La France, 3½-in., $18 per 100; Bride, Maid, Golden Gate, Kaiserin, 3½-in., $15 per 100, own root roses: Bride, Maid, Killarney, Richmond, Chatenay, 3-in., $7 and $9 per 100. J. L. Dillon, Bloomsburg, Pa.

Roses, grafted, Bride, Maid, Richmond, 4-in., $18 per 100. Splendid lot of Maids, 4-in., $7 per 100; $6 per 1,000. Chas. H. Totty, Madison, N. J.

ROSES! ROSES! Bride, Maid, Golden Gate, Richmond, 2½-in., $3 per 100; $25 per 1,000; 3-in., $5. Fine clean plants. W. H. Gullett & Sons, Lincoln, Ill.

Roses for forcing, grafted, Bride, Maid, Kaiserin, Killarney, Richmond, Wellesley, $10 per 100; $100 per 1,000. Jackson & Perkins, Newark, N. Y.

Roses, 3 ft. high. Paul Neyron, Mrs. Laing, Magna Charta, Jacq., 6-in., 35c; Baby Rambler, 5½-in., 35c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

American Beauties, rooted cuttings, $3 per 100; $25 per 1,000; 2¼-in., $6 per 100; $50 per 1,000. J. F. Wilcox, Council Bluffs, Iowa.

Roses, grafted and own root, Kaiserin, Carnot, Killarney, Richmond, Liberty, Bride and Bridesmaid. W. H. Elliott, Brighton, Mass.

Roses, American Beauty, bushes; bench plants, $6 per 100; $55 per 1,000. Wietor Bros., 51 Wabash Ave., Chicago.

Roses, Anny Muller, 2½-in., $5 per 100. Lady Gay and Tausendschon, 2½-in., $5 per 100; $40 per 1,000. Vick & Hill, Rochester, N. Y.

Rose Newport Fairy. Julius Roehrs Co., Rutherford, N. J.

Roses a specialty. The Dingee & Conard Co., West Grove, Pa.

Roses, 400 best sorts, 2½ and 4-in. Leedle Floral Co., Springfield, O.

Roses. C. H. Frey, 1133 O St., Lincoln, Neb.

Roses. W. & T. Smith Co., Geneva, N. Y.

Roses. James Vick's Sons, Rochester, N. Y.

SALVIAS.

Salvia Zurich, ever-blooming type absolutely true, 2-in., $1 for 25; $3, 100; $25, 1,000. Rooted cuttings, $1.75, 100; $15, 1,000. J. L. Schiller, 929 Prouty Ave., Toledo, O.

Salvia Zurich, in bud and bloom, 3-in., $4 per 100; 2-in., $2.50 per 100; R. C., $1.25 per 100. The Krueger Bros. Co., Toledo, O.

Salvias, Bonfire and Splendens, 3 and 4-in., $2.50 and $4 per 100. Wm. S. Herzog, Morris Plains, N. J.

Salvias, Clara Bedman or Bonfire, 4-in., $10 per 100; 3-in., $7. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Salvia Zurich, R. C., $1.75 per 100; 2-in., $3 per 100. Perennial Gardens Co., Toledo, O.

Salvias, in 5 standard varieties, 2¼-in., $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Salvias, 3, 2½ and 2-in., $5, $3, $2 per 100. West End Greenhouses, Lincoln, Ill.

Salvias, R. C., $1 per 100; $8 per 1,000. S. D. Brant, Clay Center, Kans.

Salvias, 4-in., $6 per 100. J. P. Hauck, Carrick, Pa.

Salvias, 2½-in., Zurich and St. Louis. Phœnix Nursery Co., Bloomington, Ill.

Salvia Bonfire, 90c. Byer Bros., Chambersburg, Pa.

Salvias, $1 per 100; $8 per 1,000. C. Humfeld, Clay Center, Kans.

SEEDS.

Seeds, Primula obconica, the type, ⅛ oz., 50c; tr. pkt., 15c; grandiflora, mixed, 1-16 oz., $1; tr. pkt., 25c; fimbriata, 1-32 oz., $1; tr. pkt., 50c; Bright rose, 1-32 oz., $1; tr. pkt., 25c; Kermesina, 1-32 oz., $2; tr. pkt., 50c; white, 1-32 oz., $1; tr. pkt., 25c; gigantea rosea, 1-32 oz., $3; tr. pkt., 50c; gigantea kermesina, tr. pkt., 35c. Vaughan's Seed Store, Chicago and New York.

Seeds, bean, beet, cabbage, carrot, kohl rabi, leek, lettuce, onion, pea, radish, spinach, turnip, swede, aster, balsam, begonia, carnation, cineraria, gloxinia, larkspur, nasturtium, pansy, petunia, phlox, primula, scabious, stock, verbena, zinnia, etc. Giant pansy, $5 per oz.; $1.50 per ¼ oz., 75c per 1-16 oz. Henry Mette, Quedlinburg, Germany.

Seeds, verbena, mammoth, colors or mixed, ¼ oz., 30c; oz., $1. Salvia splendens, ¼ oz., 35c; oz., $1.25; Bonfire, ¼ oz., 75c; oz., $2.50. W. C. Beckert, Pittsburg, N. S., Pa.

Seeds, Primula obconica grandi, blood red, blue, carmine, pink, purple, violet, white, compacta, gigantea, fringed mixed, hybrids, separate, tr. pkt., 50c; 6 pkts., $2.50. O. V. Zangen, Hoboken, N. J.

Seeds, cyclamen, Mont Blanc, Baroness Burdett-Coutts, Crimson King, Duke of Connaught, Prince of Wales, Princess May, Rosy Morn, Picturatum, Dame Blanch, Duke of Fife, Brilliant. Primula Sinensis. St. George's Nursery Co., Harlington, Middlesex, England.

Seeds, Asparagus plumosus nanus, northern greenhouse grown, per 100 seeds, 60c; 250 seeds, $1; 1,000 seeds, $3. Vaughan's Seed Store, Chicago and New York.

Seeds, Asparagus plumosus nanus, 50c per 100; $3 per 1,000; $12.75 per 5,000. Asp. Sprengeri, 15c per 100; 65c per 1,000; $3 per 5,000. H. H. Berger & Co., 70 Warren St., New York.

Seeds. Tomato, the Don, Cauliflower. First and Best, Onion Ailsa Craig. Lettuce, Ideal. Mignonette, N. Y. Market. Weeber & Don, 114 Chambers St., New York.

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1129 Arch Street, PHILADELPHIA, PA.

Send for our new catalogue.

Columbus, O.

HELP PLENTIFUL.

In spite of the great call for the completion of spring planting and the resulting rush, we can say that the spring work is from one to two weeks ahead of last year. This is, to say the least, quite encouraging since it gives promise of a rest that much sooner and by the time the rush is over, all the florists will certainly need a rest. It has been much easier to get men to help out this year, owing to the fact that there are still quite a few out of work. S. A. Nutt geranium still proves to be the popular favorite, thousands being sold in this city this year. Prices range from 75 cents to $1.25 per dozen. There is not much variety in the cut flower line just now, roses and carnations being about the only thing to fall back on. Prices range from 35 to 75 cents for carnations and $1 to $1.50 for roses. Some splendid sweet peas are on the market now, and they are selling as fast as they can be supplied. Salvia Zurich is being given a trial in this city this year. If it does all that is claimed for it, it will almost supersede S. splendens, which is the old standby. Funeral work has been very light during the past week, a fact which is not regretted at this busy time of year.

CARL.

Iron Reservoir Vases...

Nearly 100 styles and sizes ranging in price from $6.00 to $100.00 each.

These vases are made with a reservoir for water, from which a constant and even supply of moisture is drawn by capillary attraction, and they do not need watering oftener than once in ten or fifteen days. Thousands of Reservoir Vases are in use on lawns and in cemeteries all over the country. Our prices are no higher than those of ordinary vases. Catalogue sent on application. Liberal terms to dealers.

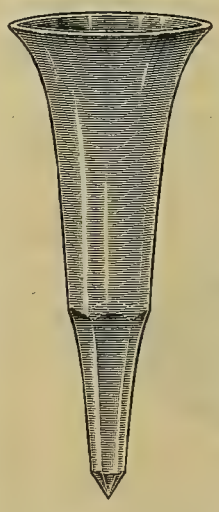
WALBRIDGE & CO.,

BUFFALO, N. Y.

The Last Chance

Send now for our Decoration Day Special showing a large assortment of **NATURAL PRESERVED WREATHS** such as Magnolia, Ruscus, Cycas, Laurel and Moss wreaths, Cycas and Magnolia Leaves in green or bronze. Baskets, Cemetery Vases, Chiffons, all at unheard of prices.

L. BAUMANN & CO., 76-78 Wabash Ave. Chicago



CLARA CEMETERY VASE

Made of Solid Moulded Glass

—o—

12 inches high, with wide flaring mouth. Can be supplied in green or white.

—o—

Doz, $2 50; barrel of 3 doz., $6.00, f. o. b. Chicago.

Vaughan's Seed Store

CHICAGO: 84-86 Randolph St.

NEW YORK: 14 Barclay St.

J. SCHROEDER,

— MAKER OF —

Artificial Flowers,

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Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

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A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florists' Supplies.

—SEND FOR PRICES.—

404-412 East 34th St., NEW YORK.

Wired Toothpicks

10,000, $1.75; 50,000, $7.50. Manufactured by

W. J. COWEE, BERLIN, N. Y.

Sample free. For sale by dealers.

WATER LILIES.

An excellent treatise on this increasingly interesting subject treated from all points of view in a simple, practical and instructive manner. The authors have kept in mind the needs of the amateur grower as well as those of the grower of large quantities. Profusely illustrated. Price $1.17.

AMERICAN FLORIST CO.,
324 Dearborn St., Chicago.

For Best Results Advertisers should mail new advertisements and changes so as to reach us on Mondays.

What IT Prevents

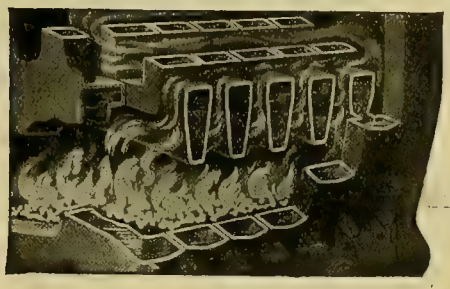
By **it,** we mean that cross fire channel with side flue openings.

First. It prevents diagonal fire travel from front to back.

Second. It makes every section equally efficient.

Third. It pockets and extracts a larger amount of heat from the burning gases when the gases are hottest.

The Burnham burns hard or soft coal. Made in 57 sizes. Send for Catalog.



No other boiler has cross fire channels with side flue openings.

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Superior to All Others

FOR HOT WATER HEATING.

Superior Machine & Boiler Works

125 W. Superior St., CHICAGO, ILL.

Write for prices and catalogue.

We Invite All Greenhouse Owners to investigate our

IMPROVED METHOD OF HEATING

Our COMPOUND Vacuum System requires SMALLER STEAM mains and connections, secures BETTER CIRCULATION in distant parts of the system.

And is More FLEXIBLE, ECONOMICAL in fuel, and will give you better SATISFACTION than any other steam or hot water system on the market.

Also have a simple HEAT REGULATION that is easily connected with it if desired.

Write for catalogue and investigate. Don't take our word alone for it.

SIMONDS HEATING & SPECIALTY CO.,

103 Washington Ave., DETROIT, MICH.

WOOSTER, O.—The Wooster Nursery Co., a comparatively new business, has outgrown its original office and store room on South Walnut street. Starting in with a small room, the business, under the management of Thos. B. Ewing, has grown rapidly and the entire lower floor of the Frost building is now occupied. An addition has just been completed at the rear, a sort of emergency greenhouse, where plants and blooms can be kept without danger of wilting or being damaged while on sale or being prepared for shipment. The business of the company this spring has been excellent, the sales in all departments better than ever.

GREENHOUSE GLASS

PRICES WAY DOWN! DON'T HESITATE! WRITE TO-DAY!

You have been waiting for just such a time as the present and unless all signs fail, you will make no mistake in buying for present and future needs. Tell us the sizes you use, and we will quote prices that mean business.

HOOKER'S GREENHOUSE WHITE

WHITE AS SNOW. Ready For Use. TOUGH AS LEATHER

Years of experience and study have produced this wonderful wearing white and you know it requires just as much time to put on a cheap paint as it does the best.

Half Barrels, (25 Gals.) per gal. $1.40. 5 Gal. Buckets, per gal. $1.50

ANSBACHER'S

PARIS GREEN,

ABSOLUTELY PURE

NET WEIGHT PACKAGES. LOWEST PRICES.

H. M. HOOKER COMPANY,

Long Distance Phone Monroe 4994.

120 to 128 W. Washington St., CHICAGO.

Toronto.

BUSINESS IMPROVING.

Business in all lines has improved considerably, a few good weddings, numerous funerals and a general advance in all branches bringing joy to both the grower and storeman; prices have also picked up. Roses retain their good standard of quality being healthy in color and strong of stem. American Beauty is excellent though Richmond and Killarney sell as readily. Bride and Bridesmaid also find favor. Carnations are mostly of the special classes and find much better sale, which is no doubt greatly helped by the shortening of the bulbous flower season. Sweet peas and lily of the valley are in good demand.

NOTES.

At J. H. Dunlop's the place is in splendid condition; the American Beauty roses are in grand shape and other varieties all in good crop. Kaiserin, on which Mr. Dunlop depends for the summer crop of white, is just coming into bloom and looks well. Carnations are abundant in all varieties; the Easter lilies were good this season and only a few scattered blooms are left. Carnations will be planted into the field at once.

The numerous tulip beds in the parks are looking their best, the arrangement of color having been carefully studied.

Bay trees in quantities are seen in most of the stores. H. G. D.

Albany, N. Y.

The friends of Patrick H. McDonald, alderman from the eighth ward, in the evening of May 11, took advantage of the fact that he occupied his seat in the common council for the first time to send him some floral mementoes. These were in considerable number and of a grade showing excellent taste in selection and design. Perhaps the most conspicuous was a design eight feet high representing the figure 8 surmounted by an eagle. The design was the product of Meaney & Tracey, proprietors of The Rosery, Maiden lane.

A late visitor was C. S. Ford of Philadelphia who was on his way home from his spring trip begun on February 5. Since he left Philadelphia, Mr. Ford has been in 23 states, mostly in the far west. He reports business in that section of the country better than in the middle west and east. The trip he reports to be the best, with one exception, of any spring trip in 12 years. He expects to be in Philadelphia by Memorial day.

The local retailers sold a large number of carnations for Mother's day, May 10. The demand for white varieties was especially heavy. R. D.

The James H. Rice Co.

IMPORTERS and JOBBERS

GREENHOUSE GLASS

A SPECIALTY.

Window Glass, Paint, Putty, etc.

Office and Warehouse: Corner of Michigan, St. Clair and Illinois Streets, CHICAGO.

SPRAGUE, SMITH CO.

Jobbers of WINDOW GLASS.

GREENHOUSE GLASS

A SPECIALTY.

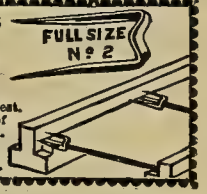
167-169 Randolph Street, CHICAGO.

Holds Glass Firmly

See the Point

PEERLESS

FULL SIZE No 2



Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.

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SIEBERT'S ZINC Never Rust GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes ⅝ and ⅞. **40c** per lb., by mail 16c extra; 7 lbs, for **$2.50** 15 lbs. for **$5.00** by express. For sale by the trade

RANDOLPH & McCLEMENTS, Successors to Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty, Lasts longer than putty. Easy to apply.

MASTICA

FOR Greenhouse Glazing

USE IT NOW.

F. O. PIERCE CO.

170 Fulton St., NEW YORK

STENZEL GLASS CO.,

GREENHOUSE GLASS.

French and American "WHITE ROSE" Brand.

2 Hudson St., NEW YORK.

BEFORE YOU BUILD GET FOLEY'S ESTIMATE.

The Foley **GREENHOUSE MATERIALS** The Best

All Heart Sun-Dried Cypress. Unequalled.
Cut Exact Size and Fit. Perfect Work.

The Foley **VENTILATING APPARATUS** The Best

Always Securing Perfect Ventilation.
Adaptable to any Size House. Get Circulars.

The Foley **HOTBED SASH AND FRAMES** The Best

Sash Open or Glazed. Standard Sizes in Stock.
Get our figures and suggestions on your proposed work.
1908 Illustrated Catalogue Sent Postpaid.

Sash, Doors, Mouldings, **ALL KINDS OF MILL WORK** Interior Finish

For any Wood Work used in Constructing Residences, Factories, Schools and Public Buildings. Get our Figures on any Job.

With our force of Architects, Draughtsmen, Estimators and skilled workmen we can quickly and carefully fill and promptly ship any order. Excellent Work at lowest prices.

THE FOLEY MFG. CO. CHICAGO.

Offices, Factory, Sheds and Yards. Western Avenue between 25th and 26th Streets.

STEEL RETURN TUBULAR

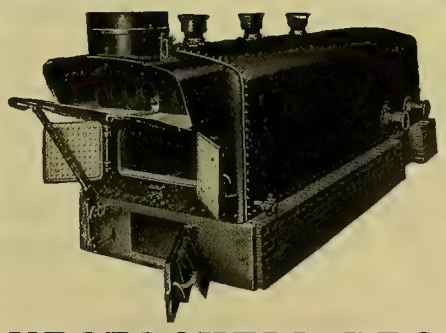
Steam **BOILERS** Water

WHAT F. R. PIERSON SAYS:

JOHNSTON HEATING CO., New York City.
Gentlemen:—The internally fired steel boilers which you installed last fall are giving us great satisfaction. They heat very quickly and are very economical. We are exceedingly well pleased with them and they have more than met our expectations. Very truly yours, F. R. PIERSON CO.

Johnston Heating Co., 138 East 31st. St. NEW YORK CITY

Write for catalogue and prices.



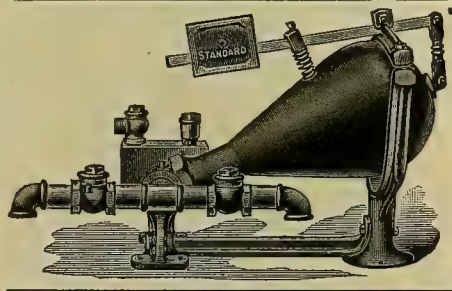
SEE HOW WELL THEY LIKE ME

150 New Establishments with 2,158,000 square feet of glass have installed this boiler in 1906.

Ask for list of users and get acquainted with the men who know.

Catalogue and prices on application.

KROESCHELL BROS. CO., 45 Erie St... ...CHICAGO.



The Standard Steam Trap,

Has established a record far above that that of any other trap for Florists; being very simple, durable and easily taken care of.

Catalogues of the **Trap, Duplex Gutter,** and **Standard Ventilating Machinery,** mailed free upon application.

E. HIPPARD Youngstown, O.

The Holly Standard Electric Circulator...

Peters & Son of Hempstead, L. I., say: "Your circulator, new model, installed for us last December gives perfect satisfaction. It heated without half trying, our three large greenhouses. We figure that in one more season it will nearly pay for itself in saving of coal. No fear of frosts now!"

No greenhouse is perfect without it. No greenhouse is out-of-date with it.

Send for descriptive catalog to

THE HOLLY STEAM ENGINEERING CO., 135 E. 15th Street, NEW YORK.

HANOVER, MASS.—W. S. Packard, who has had charge of J. W. Beal's greenhouses has resigned and his place has been taken by Chas. E. Newton of Laconia, N. H.

BAYSIDE, N. Y.—Chas. Thienal was the successor to John Sietz at his death in 1904. Mr. Thienal wishes it known to the trade that the style and address of his firm is Chas. Thienal, florist, Hurd avenue, Bayside, L. I.

CHAMPAIGN, ILL.—The plans for the new horticultural experiment building are now drawn. The building is to cost $10,000, and in addition to a greenhouse 200 feet long, will have a boiler room, work room and general office space.

Louisiana Red Cypress

"THE WOOD THAT WON'T ROT."

There is a test which every florist can make on his greenhouse and hotbed material, i. e., the test of **Durability.**

Try Cypress, the wood that has been tested.

IT IS THE MOST DURABLE WOOD KNOWN. Ask about it at your local lumber yard or write

LOUISIANA RED CYPRESS CO. HIBERNIA BUILDING, **New Orleans, La.**

The Allied Trades

Descriptive particulars—with drawings or photographs, if possible—of any new apparatus or device which may prove helpful to the trade are solicited for this department.

Concrete in Greenhouse Construction.

The use of concrete may be considered essential in all greenhouse construction where durability is desired. Concrete walks are by all means the best for greenhouses with the one disadvantage of not retaining the moisture so well as brick. Its use is necessary in the setting of iron posts, of iron pipes and purlin supports, in the flooring of boiler rooms and it is in most cases the most economical material for constructing basement walls and all foundations. It is coming into use both in hollow cast blocks and cast in place for greenhouse walls and it is also being strongly advocated by many for bench legs and for benches complete.

The writer has had no experience with concrete walls for greenhouse construction and would not care to express an opinion further than that if used they should be built hollow. Our own benches are all constructed with ¾-inch pipe legs set in concrete with pecky cypress crosspieces, bottom and sides, and this method of construction has proved so satisfactory in many ways and so durable that we have not felt inclined to change. However, the all concrete, reinforced bench is a perfectly feasible proposition and is so strongly indorsed by many whose opinion should carry great weight that it is not to be condemned. Many are recommending the use of ashes for making concrete. The advisability of this course would seem to depend largely on the quality of the ashes. If they were hard and clinkery probably they would answer the purpose very well, but the writer would certainly not advise the use of hard coal ashes containing, as they do, so much soft powdery material nor of any soft ashes for this purpose. The best material for concrete is undoubtedly good, sharp, clean sand and crushed stone or crushed gravel. Uncrushed gravel if clean, may be also used although from the round nature of the stones' composition it does not make quite so strong a concrete as the crushed gravel. Above all things, any material containing earth or clay is to be avoided. Coarse sand is better than fine and the sharper the sand

THREE REASONS WHY You Should USE OUR MATERIAL.

In the first place, all of our material is very smoothly machined and not rough like some of the greenhouse material you see—this means a saving on paint and on the time required to do the painting.

In the second place, all of our material is cut and fitted at the factory by a special system which others have unsuccessfully tried to imitate, and when you come to put up your house everything will go in its right place without trouble—this means a great saving on the erecting.

Last, but not least, the repair bills are cut in half, as we are so careful in the making and in looking for the defects, that our material stands the test and your greenhouse stands by you.

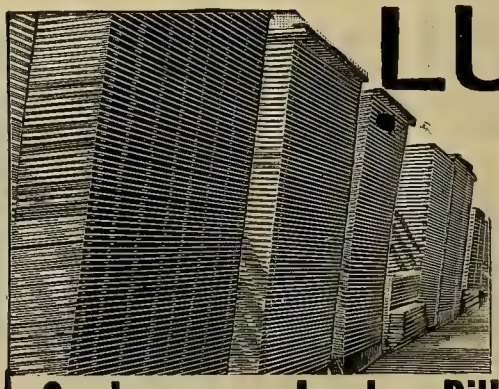
Isn't it convincing when you know that we get three out of every five jobs we figure on.

Why Not Send Now for Our Catalogue?

JOHN C. MONINGER CO.

CHICAGO

113 E. Blackhawk Street.



LUMBER

BARGAIN PRICES.

A wonderful opportunity is offered you to buy lumber and building supplies of every kind at ***Prices that will save you big money.*** Such a chance seldom occurs. Lumber for your house, church, barn, meeting house, crib, store, factory, and in fact, buildings of every kind. We can furnish absolutely everything needed in construction material. Have your carpenter or builder make a complete list of everything you require, including Lumber, Sash Doors, Nails, Roofing, Siding, Ceiling, in fact, anything you may need in building material or merchandise of any kind.

Send us your Lumber Bill for Our Estimate.

We bought at Manufacturers' Sale over 50,000,000 Feet of all kinds of Lumber and Finishing Material. We are making special concessions, to those who buy at once. Even if you have no use for this lumber at once, it will pay you to buy now. Our prices will save you 30 to 50 per cent.

We cheerfully invite inspection of our Lumber stock and will be glad to have you come to our warehouse and yards at Chicago, see the lumber we are offering, and you will recognize that it is all what we say of it; make your own selection and see it loaded. It is not necessary to come to Chicago; we can easily sell you by mail. We can quickly convince you of the wisdom of placing an order with us. Just send us your lumber bill, and we will easily ***"Show You."*** On application we will send copies of letters from customers who have bought. They saved money why can't you? Write us to-day. ***WE PURCHASED EVERY EXPOSITION, INCLUDING THE $90,000,000 ST. LOUIS WORLDS' FAIR*** ASK FOR OUR FREE 500 PAGE CATALOG, No. C. H. 47. IT QUOTES LOW PRICES ON BUILDING MATERIAL, MACHINERY AND FURNITURE.

CHICAGO HOUSE WRECKING COMPANY, 35th and Iron Sts., CHICAGO.

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXX. **CHICAGO AND NEW YORK, MAY 30, 1908.** **No. 1043**

THE AMERICAN FLORIST

TWENTY-THIRD YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—FRANK H. TRAENDLY, New York, Pres.; W. N. RUDD, Morgan Park, Ill., Secy.; H. B. BEATTY, Pittsburg, Pa., Treas. Next meeting at Niagara Falls, N. Y., August 18-21, 1908.

THE NATIONAL FLOWER SHOW.

CHICAGO, November 6-15, 1908.

Wm. F. Kasting, Buffalo, N. Y., is chairman of the general committee in charge. Chairmen of sub-committees follow:

EXECUTIVE AND FINANCE—Wm. F. Kasting, Buffalo, N. Y.
AMERICAN EXHIBITS—Ph. Breitmeyer, Detroit.
FOREIGN EXHIBITS—E. G. Hill, Richmond, Ind.
PREMIUM LIST—W. N. Rudd, Morgan Park, Ill.
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SPECIAL FEATURES—Otto G. Koenig, 6471 Florisant Ave., St. Louis, Mo.
RECEPTION—Aug. Poehlmann, Morton Grove, Ill.
AUDITING—J. A. Valentine, Denver, Colo.
TREASURER—I. C. Bertermann, Indianapolis, Ind.

The above chairmen have power to select their Various committees from the general committee of 50 or the members of the S. A. F. at large.

THE AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Annual convention at the twin cities, St Paul and Minneapolis, Minn., August 11-14, 1908. JOHN F. COWELL, Buffalo, N. Y., president; F. L. MULFORD, Harrisburg, Pa., secretary-treasurer.

AMERICAN PEONY SOCIETY.

Fourth annual meeting at Ithaca, N. Y., June 1908. C. W. WARD, Queens, N. Y., Pres.; A. H. FEWKES, Newton Highlands, Mass., Sec'y.

DANDELION DAY is the latest addition when men and women not otherwise engaged wage war on the too persistent though beautiful golden spring flower.

SUGGESTIONS FOR PLANT GROWERS.

Cyclamens.

See that the young stock is not allowed to get potbound before giving a shift, but at the same time avoid over potting. The idea is to keep the plants gently moving right along. Cyclamens like plenty of light but cannot stand direct sunlight on the foliage. They do best in small, span roofed houses where there are side benches and a central walk, or on shelves close up to the glass in a larger house. In either case, a light shade is necessary and the atmosphere of the house must be kept moist and moderately cool. The cyclamen is a greenhouse plant, not a stove plant, and when given a lot of heat, especially if not toned down with ample moisture, insects are sure to be troublesome. Always have air on top at the ridge from now on or the foliage will draw up weakly and this is undesirable. Keep the plants well apart and free of insects and the house as noted and there need be no fear as to results.

Stock Plants.

Keeping up a good stock of plants is very necessary and a good stock cannot, in all cases, be obtained from a lot of small unsalable specimens left over late in the season. In many cases, of course, this left over small stock is good property for the purpose but it will not do to depend upon it. Plants sufficient for stock purposes should be selected and placed by themselves before selling begins if possible. They should not be so highly fed as those that are brought to the fullest development for sale as no plant very highly fed is so good for propagating as one more normally grown. With regard to bedding geraniums, especially during the present season when so little time occurred between the Easter rush and the bedding out season, it would be absurd to attempt setting past the earliest and best plants for stock. In short there is plenty of time between now and August to get a good growth into almost anything in the way of a geranium by planting out on good soil. But even here preparations must be made, for when one depends upon the display plants for stock these are just at their best in August, the best propagating month, and one dislikes to destroy the flowers for cuttings. It is a good plan to box or pot a few dozen lobelias now. They are very little trouble to look after during the summer and if cut back hard in August or September they will throw up a great number of splendid shoots, far better than those that come from outdoors.

Hydrangeas.

As recently noted, hydrangeas may be freely propagated from the flowerless shoots that spring between those that have flowered. If stock is scarce the wood that is cut back will also make cuttings, if not too hard or woody, but the flowerless shoots are best. Cut them off about four inches long as this will usually bring them to semi-ripened, solid, but not hard wood and this strikes most readily. If there is plenty of room on the propagating bench they may be struck inside; if not they will root readily in the open ground under handlights or in frames. Take the shoots off below a good joint but do not remove the leaves as usual. When left on, and care taken that the sand closes well around them and the stem, roots form much more quickly than when they are removed, but where room is scarce and the cuttings are struck in the benches break the lower leaves off before inserting them. If the plants are needed to flower on a single stem for Easter, pot them up in 3-inch pots and plunge these in ashes, or in the open beds, but if they are to be grown on for larger plants pinch them and plant them right out in good but not over rich soil. In the former case it is necessary to do everything possible to ripen up a good central spike or bud that will produce a magnificent head of flower. And perhaps the most difficult part of the business is to see that the plants do not get so much rootroom that they grow too fast or so little that the stem and incipient flower head is starved. But these fine single stemmed plants are

good property. They are not much trouble to grow and always sell at a good price for Easter.

Winter Flowering Geraniums.

The old plants that have been flowering all winter and spring will be getting out of cultivation a little now and young vigorous plants from cuttings struck last summer and fall will take their places. Propagation of plants for next winter sales may now be attended to. Place the old plants on a light bench and let them dry out a little; then cut them back to firm but not very hard growth and place them in a frame or light house safe from frost. The cuttings may be inserted in a light sunny bench in sand kept constantly moist. No shading is necessary for this class of propagating. It is an evil, in fact, as the aim of the grower must be to keep the plants quite short and dwarf from the start. If the points of the shoots are used pinch just the extreme end out and when cutting up the lower parts of the stems never cut to a joint that has produced a flower; always one below or one above, as shoots do not start readily from the joints that have flowered. After the old plants have had a short rest they may be shaken out of their pots, the stronger roots cut back a little and repotted into pots a size or two smaller. Scarlet always sells well at Christmas and the old F. V. Rasfail and Improved Rasfail are perhaps the best varieties for winter flowering, as they are very free and of dwarf, stocky habit.

Crotons.

When the demand for bedding crotons is over any plants of good kinds that it is desirable to propagate may be cut over for the purpose and the cuttings inserted. In some places there is no bottom heat from steam or hot water obtainable after this time, and where this is the case it may be well to make up a small, mild hotbed as there is much propagating that may be done within the next few months that will ease the benches later. In any case there should be a bottom heat of about 90° and the sand and foliage should be kept very moist. Croton cuttings may go in fairly close as the leaves upon them at the time of rooting are best kept erect and not allowed to sprawl over the sand. As soon as the cuttings are rooted they should be taken out of the sand and thoroughly sponged. Any scale or other insects that may have been on them when inserted will, owing to the increased moisture, be weak and easily killed and thus a clean start in life for the young plants is assured. At the time the cuttings are taken off, the old plants may be cut into shape a little and then, by the time the former are rooted, these can be potted into 3-inch pots and the old plants shaken out and given a new start in pots slightly smaller than those they have been growing in. Keep all growing along in a light, sunny house and an atmosphere constantly kept moist by syringing and damping. Keep the roots a little on the dry side until growth is again active.

REED CITY, MICH.—The Reed City Floral Co. reports good business and will rebuild several old greenhouses as well as erect two new ones, 28x100 feet, this season.

THE RETAIL TRADE

PUSH steamer business.

PANSIES are always acceptable funeral flowers.

THE Childsi varieties of gladiolus are again proving good sellers.

No need to apologize to customers for low prices on flowers.

NOT size, but quality of flowers and artistic arrangement counts in floral devices.

Bridal Bouquet by H. E. Jaeger, New York.

THE heavier varieties of maidenhair fern are best for associating with cattleyas and similar orchids.

The Art of Selling.

A paper by F. E. Palmer, Brookline, Mass., read before the Boston Gardeners' and Florists' Club, May 19. 1908.

The important, in fact the fundamental, element in a successful sale is that it should be of advantage, or profit, to both parties. This simple proposition has, I fear, an unimportant place in the mind of the average salesman; it is nevertheless true and should be made the basis of every transaction between man and man. Any exchange of services which necessarily involves loss to either party cannot be called legitimate business.

A second basic principle in all commerce, and one that should be understood by both buyer and seller, is that demand precedes supply. In the process of evolution from the simple barter of goods between our forefathers to the complexities of trade in modern civilization, the foregoing two axiomatic truths have become somewhat obscured. Derangements have also crept into the body politic which have aggravated the confusion, and reversed the natural order of things until the man who sells has come to be looked upon as the obsequious servant of him who buys. This attitude has become by custom so much a second nature that we take it for granted the seller is always under obligation to the buyer, and that labor shall forever bow the knee to capital. Volumes have been written, and more doubtless will be, on this important phase of economics before the subject is exhausted, and no more fruitful study could possibly invite the consideration of business men, especially salesmen.

Consistently with the above principles the relationship between buyer and seller should be entirely of a friendly nature, and the appreciation of this fact constitutes the primary lesson in the art of selling. In some simple kinds of trade little is required of the salesman but to hand over the article called for and take the amount determined upon as payment. In such cases little special knowledge is required, and certainly no determination of values. When, however, it comes to the selling of flowers, plants, seeds, shrubs and trees, the supplying of decorative schemes —from the simple bunch destined to cheer a sick friend to the elaborate display for ballroom or dinner table—the simple potted plant or the varied collection for the garden, the mysterious seed package, or equally doubtful dormant tree and shrub, then the salesman comes in touch with one of the higher requirements of humanity and the satisfying of these æsthetic needs becomes indeed a fine art. In such cases how many elements can enter into a sale, possibly every one of which may have to be supplied by the intelligent salesman? Most likely the purchaser has a very vague picture in mind as to what he wants, also an equal uncertainty as to the amount to be expended. Imagine a customer in such a frame of mind, also somewhat fastidious of taste and exacting in requirements, and it will readily be seen that a very different problem is presented than in most other commercial transactions.

Perhaps the first requirement of a salesman will be that delicate tact which makes his patron feel at ease, and will so gracefully convey information—or correct an error—that not the slightest sting of confusion or mortification will be felt. This trait in a salesman, or in fact in any man, is one of the rarest assets. Next to tact comes enthusiasm, that earnest spirit of service which quickly discovers the customer's needs, cheerfully gives information, evinces a willingness to show every flower in the place if necessary and is never tired out. This quality is as rare as tact and generally goes with it, perhaps being born in a man rather than acquired. Add to these the ability to arrange the flowers artistically so that a very common thing may become one of beauty, to deftly and rapidly pack and tie the box in order that the flowers may not suffer, and that time—which up to this point has been used to advantage—may not be wasted on mere details.

It is easy to conceive, as the customer is courteously dismissed, the satisfying effect that all this intelligent effort has upon him. Not only has he been educated and pleased but the value of a simple dozen of roses has been enhanced in his eyes possibly one hundred-fold. In this way a value has been created and credit has redounded both to the house and to the salesman. Stress has been

laid on the philosophical side of the art of selling rather than on its material and technical aspect. This is because of the firm belief that the qualities mentioned, besides conducing to the elevation of the florist's and other kindred businesses, have an immediate and cash value, and that higher ideals will ultimately prevail in trade relations. Indeed the day of the "Deaconing" of the apple barrel, the sanding of sugar, watering of milk, "salting down" of flowers, and general misrepresenting of goods is happily passing away.

Perhaps the following epitome will serve to convey the writer's thoughts in a pointed and more easily remembered form:

It is not such a good practice to "soak" a customer as to satisfy him. It is better to size him up as to his needs rather than as to his ability to pay a big price.

It is more to the advantage of both parties that good, fresh stock be sold than to entertain the delusion that a customer will come oftener if the goods perish quickly. Common decency dictates that equal courtesy be extended to every patron regardless of the size of his pocketbook. Success depends more on absolute reliability than on a glib tongue and a plausible story.

It is taken for granted that a salesman should be well informed on the technical and scientific details of his business, although this knowledge has been lamentably absent in the florist's trade. Selling a certain line of goods at or below cost as a leader to attract the public is not legitimate business, the object being to mislead buyers into the belief that all other goods in the store are equally low priced. Any other action having as its prime object the ruin of a competitor is pernicious. The giving away of flowers is no part of selling and should be charged up to advertising.

Finally, to one desirous of perfecting himself in the art of selling, no better lesson can be learned than from a careful study of his own experiences as a buyer. It is safe to say that he will find himself attracted by the cordial, friendly greeting, especially if his name be remembered, the prompt offer of service, and the manifest truthfulness of all information given.

Memorial Day.

H. R. Hughes, Chicago, has issued a Memorial day folder entitled "A Flower for Memory's Sake" for mailing to his customers in which we find the following reference to the origin of the day:

"We really owe our Memorial day to the southerners. When the war was over in the south in 1865, the widows, mothers and children of the dead soldiers gathered flowers and scattered them over their graves. In doing this they also included the graves of the northern soldiers who had fallen in the south and been buried there. When the news of these beautiful acts of courtesy reached the north it touched the hearts of the people and did much to dispel the sectional feeling that the war had caused, while the example was followed in every community.

"It was not until 1868, however, that any particular date was chosen for floral decoration. In that year Gen. John A. Logan, commander in chief of the Grand Army of the Republic, ordered that every post in the country should engage in fitting ceremonies and scatter tokens of respect over the graves of dead comrades. Later, legislatures took it up, and now almost every state in the Union observes May 30 of each year as a day to express our love and respect, not only for our dead war heroes, but for every loved one who has gone before."

ST. JOSEPH, MO.—McGuire & Haefeli have removed from Francis street to 718 Felix street.

THE ROSE.

DON'T forget—plant firmly.

KEEP a constant look out for suckers on the benches devoted to grafted stock.

THE old plants are the only money makers for some time yet so look after them.

A PALE tint in American Beauty foliage often indicates the presence of red spider.

SOME GOOD WREATHS,

By Henry Morris, Syracuse, N. Y.—See Issue of May 2, Page 717.

Houses for American Beauty.

ED. AMERICAN FLORIST:

As to the type of house and bench we prefer for growing American Beauty, we wish to say that our preference is for large houses, standing alone, of which style, the Floral Exchange, of Edgely, Pa., sister concern of The Florex Gardens, and under the same management, built at Edgely in 1901 a house 54 feet wide by 307 feet long and which may be considered one of the pioneer wide houses. This house created a great deal of discussion at the time and has proved to be a very successful growing house. Since then, the Florex Gardens have built at North Wales, Pa., a house 154 feet wide in a single span by 525 feet long, for the purpose of growing American Beauty. We can state that this so far has come up to our expectations and has proved to be a fine growing house and very easily heated. With the exception of four lines of 1¼-inch pipe on the two side walls, all the heating pipe is hung from the purlins, about 18 inches from the glass.

Concerning the manner of planting the roses, we prefer, if the ground permits and we can use the plough and harrow, as we have done in several houses, to plant the roses directly in the ground, with a narrow strip of lumber to define the walks. When this is not feasible, we put eight inches of good soil on the

ground and plant the roses in beds, using four rows of plants to a bed. We have American Beauty growing on raised benches but think of doing away with these and planting all the roses in the solid ground, as this plan enables us to keep the roses longer in the ground and not replant each year.

THE FLOREX GARDENS.

Notes in Season—Soil.

The soil for the benches should now be kept turned as often as possible in order to have it thoroughly mixed and quite finely pulverized, saving much handling after entering the houses. Keep the pile well pointed up to shed the water and pack firmly on the surface, leaving a gutter at the base of the pile to carry off all surplus water.

American Beauty is usually planted first, for several reasons. One especial reason is that the plants deteriorate after being shifted in anything larger than a 4-inch pot, unless one has room enough to place the pots four or five inches apart, and this would not be practical. Again, if this variety is benched now we can get an early fall cut and another for the Christmas holidays. American Beauty should have at least five inches of firmly packed soil on the benches, and should be planted at least 18 inches apart in the rows and not less than 15 inches between rows for a nice grade of flowers; more room would be an improvement all around. After planting, the soil should be pounded firmly around the plants, leaving a saucer or bowl shaped depression for watering. After the plants have taken hold, the soil should be leveled, and the whole surface gone over and packed carefully, then with a hand rake or scratcher the soil should be lightly scratched on the surface so as to keep the water from running over the surface.

Stake the plants as soon as possible so that they will stand up against syringing and above the stakes running wires should be placed, supported by drop wires from the rafters, and braced to purlin posts, etc. These wires will keep the extra heavy canes later on from swishing about and hanging over the walks. They should be put in position first, as they are easier stretched when the plants are small, and for the stakes use the five or five and one-half-foot galvanized wire stakes, with running wires tied four feet up on the stakes. This allows plenty of room for working around the plants. But be sure, before bringing in any soil, to have the benches neatly and strongly repaired, thoroughly cleansed and whitewashed, using fresh slaked lime, not necessarily thick. Add a generous supply of sulphur when slaking the lime. After planting have all the loose soil removed from under the benches or in the walks and dust air-slaked lime under the tables and in the walks. This should be done once a week until firing starts in the fall, as it is very beneficial in warding off black spot, the worst enemy of this rose.

Summer Roses.

Perhaps there are some growers that are handling Kaiserin. Carnot or other varieties of this type for the first time, after nursing them dormant in solid beds during the winter. As a precaution, do not let them come in with a full crop. Allow only the stronger canes to bloom and nip the short stem growth back quite hard. This will have a tendency to scatter the crop and make continuous cutting. At the same time the check would not be felt half so much as by cutting a full crop back hard on the first growth. Keep the summer roses cultivated frequently and tied regularly. Syringe them early and allow plenty of air day and night.

Keep the potted rose stock shifted in season, as potbound stock is worthless. Remove all raffia ties from grafted stock and stake them with small wooden or wire stakes before the raffia cuts through the bark. Give the young plants lots of room, and keep the weeds down. It may be necessary to scratch the surface of the soil in the pots if this soil has shrunk at the sides of the pots; otherwise they will not receive sufficient water. The old plants being cut from should now receive considerable attention if they are to be kept in for another season, or if kept flowering through May and June they will take plenty of water and air and should have quite a strong manure watering every week. Keep the vent sash opened several inches at night and try to keep the growth as firm as possible. Keep an eye peeled for mildew; in fact it would be good timely advice to keep the sulphur blower handy, and, as a preventive, a little grape dust should be blown over the plants twice a week. Grape dust is a very finely powdered form of sulphur, containing lime and other ingredients that we find does the work better than the plain sulphur for either mildew or black spot.

E.

Holding Over American Beauty.

ED. AMERICAN FLORIST:—

I have a house of American Beauty that was planted September 7 last year in solid benches. The plants have made a good growth of from seven to nine feet and have given an average cut of five flowers. Is this a fair cut, and can I hold the plants over another season?

ROSES.

The cut is very good indeed for roses planted in September. The plants can be held over another season if the soil is removed down to the roots and replaced with good rich compost.

G.

Mildewed Roses.

ED. AMERICAN FLORIST:—

Enclosed are some rose leaves. Please say what is the matter with them and the remedy.

SUBSCRIBER.

The rose leaves are badly affected with mildew, a condition showing that they have been too heavily sprayed in dull weather or the atmosphere kept too cool and moist. To get rid of it make the heating pipes very hot in the evening and apply a good coat of sulphur, after closing the house tightly. The sulphur should be used in the form of paint and applied with brushes. To prepare mix a very little water at first and make a stiff paste, adding more water until of the consistency needed. If much water is used at first the sulphur rises to the surface and is difficult to mix, but by making it into a paste as noted it is easily managed. Cool, damp nights are the best for the purpose and the sulphuring should be repeated as often as necessary. Try and get the mildew all cleaned out before the hot weather starts in, or it will be difficult to keep the temperature low enough in the houses. Never use sulphur unless the temperature can be got below 60° before starting.

PRIZE TABLE DECORATION.

By the Metairie Ridge Nurseries, New Orleans, La.

Roses to Grow With American Beauty.

ED. AMERICAN FLORIST:—

What varieties of tea or hybrid tea roses can I grow on the side benches of a house devoted to American Beauty?

ROSES.

Practically any of the generally grown market varieties such as Bride, Bridesmaid, Richmond, Mme. Chatenay or others.

G.

SOMERSWORTH, N. H.—G. S. Ramsburg reports extra good Memorial day bookings and he has had to secure extra help to take care of the orders.

WITH THE GROWERS

The Joy Floral Co., Nashville, Tenn.

The Joy Floral Co. is one of the most extensive growers in the vicinity of Nashville, Tenn., carrying a general line of cut flower stock, including roses, carnations, lilies, lily of the valley and miscellaneous bulbous material. There is also one large house of asparagus and one of smilax on the establishment. Some idea of this firm's operations may be gleaned from the fact that 24,000 carnations are grown and 12,000 chrysanthemums in leading commercial varieties. The varieties of carnations most known are Enchantress, Rose Pink Enchantress, White Enchantress, White Perfection, Winsor, Victory, Beacon, Aristocrat and Robt. Craig. Mrs. Lawson will be dropped this year. For summer flowering Ethel Crocker, Mrs. Fisher and Kohinoor are grown.

Roses for summer flowering are grown quite extensively, there being four houses of Kaiserin and one of Carnot now started for this purpose. In other varieties the firm will grow this year as follows:

American Beauty	6,000
Richmond	3,000
Killarney	3,000
Bride	3,000
Bridesmaid	3,000
Golden Gate	500
Ivory	500

A considerable variety of miscellaneous plants is carried, including palms, ferns, etc., for decoration. Bulbous stock is grown very extensively and the lilies are in fine shape, there being little evidence of disease among them. The following figures regarding leading items show what quantities of this kind of stock are grown:

Lily of the valley	50,000
Paper White narcissi	40,000
Roman hyacinths	40,000
Lilies	14,000

The plant is now heated by steam and hot water, but it is the intention to dispense with the latter system and use only steam hereafter. The stock in general is in excellent condition, but the yield is not nearly sufficient to meet the home demand. The firm's delivery boys all use bicycles and these machines bear the legend "Joy's Flowers" in conspicuous lettering.

Thorn Hedge Nurs's, Newton Square, Pa.

It is doubtful if in the whole country a finer exhibit of ornamental and flowering shrubs and trees can be found than is to be seen on this place. The greenhouses, where roses are now chiefly grown are no inconsiderable feature of the place, but at this season, it is the outdoor stock that is particularly interesting. The genial proprietor of Thorn Hedge, H. H. Battles, has fixed his home there, and half an hour recently spent with him was well repaid by his entertaining conversation on horticultural matters, he, as is generally known, being a leading Philadelphia retailer as well as a grower and fancier of the best things in horticulture.

When questioned about his land holdings, Mr. Battles modestly acknowledged to having "100 acres or so;" there are plenty of people around Philadelphia, however, that will tell you that could be multiplied by five or six and still there would be a good margin remaining. About the home lawns and grounds everything speaks of fine selection in planting and shows perfect care and attention. What seemed striking and novel is a number of fruit trees, trained to a strongly constructed trellis, which are all in a flourishing condition, in fact there are so many fine features on the place that they cannot all be covered in one brief sketch. A partial list of the outside stock grown, much of which is handled by John McIntyre, the well known wholesaler, comprises over 50 varieties and species all of good, showy, marketable kinds.

Chas. T. Stevens, Plymouth, Mass.

Just about nine years ago Chas. T. Stevens began business at Plymouth, Mass., in a small way and a 10x20-foot house which he attended to at odd times saved from his work as a railroad man and with the aid of his wife. He has now quite a large and very complete establishment largely devoted to carnations, though violets and some plants are grown. Last season the firm, still consisting of Mr. and Mrs. Stevens, built a large and up-to-date carnation house 35x120 feet which has now 4,000 thriving plants in it of the leading commercial kinds. Easter lilies in another house are looking well and the nursery business is also thriving. Mr. Stevens is to be congratulated on his success.

NORTHAMPTON, MASS.— Alexander Parks has bought of the Home Culture clubs, the greenhouse which has been conducted by the clubs on Jewett street.

Schizanthus Wisetonensis "Compacta."

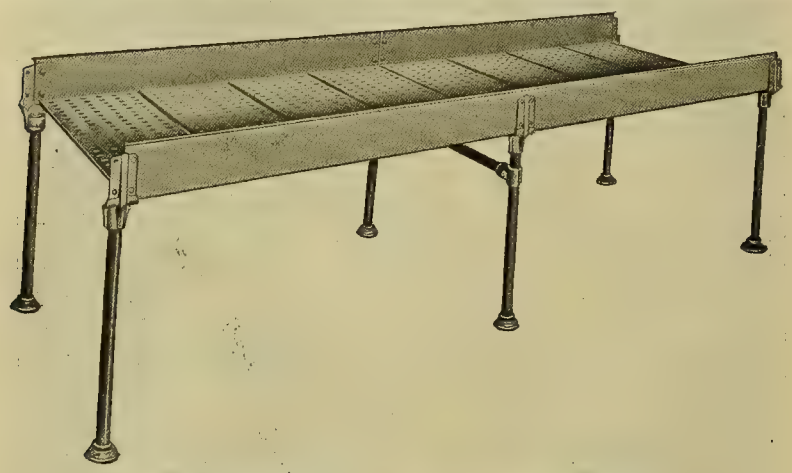
The new plant committee of the Florists' Club of Philadelphia, consisting of President Hahman, Wm. Graham, Robert Craig and J. W. Colflesh visited Girard college recently to inspect the new form or variety of Schizanthus Wisetonensis, illustrated herewith. It originated with Edwin Lonsdale, and is the result of careful selection. Noticing the compact growth of one of a lot of specimens it was set aside and the seed saved. All of this came true and, although there were various shades of color, yet the compact habit of the parent was perpetuated and, as seen in the greenhouse, the plants made a very pretty show. It will doubtless make a very good market plant, provided it holds its flowers. Mr. Lonsdale has named his selection "Compacta." The colors are various shades of light and dark lilac to brown on a light flesh colored ground. As seen here it should prove a very saleable plant for window and table decoration. All through the greenhouses the stock of crotons and other choice bedding plants were in excellent condition. Nothing finer could be seen anywhere. A seedling geranium from Dryden is a distinct improvement over this excellent sort, being much better marked and a brighter shade of pink. The beds of tulips outside were brilliant in the extreme, the pansies set in between being a great addition, and tnese will be at their best when the tulips are over. K.

SCHIZANTHUS WISETONENSIS "COMPACTA."

LINCOLN, NEB.—A new greenhouse is to be built at the Wyuka cemetery.

A New Cast Iron Bench.

The Lord & Burnham Co., of whom it may be said that, any new thing it offers is entitled to consideration on account of its past successes in greenhouse construction, is now putting on the market a greenhouse bench made entirely of cast-iron. Within the past few years the increase in the popularity of the concrete bench has been great and there are doubtless many florists who now have an abiding faith in that form of bench construction and who will have to be "shown," as our Missouri friends put it, before being convinced that there is anything better than a concrete bench.

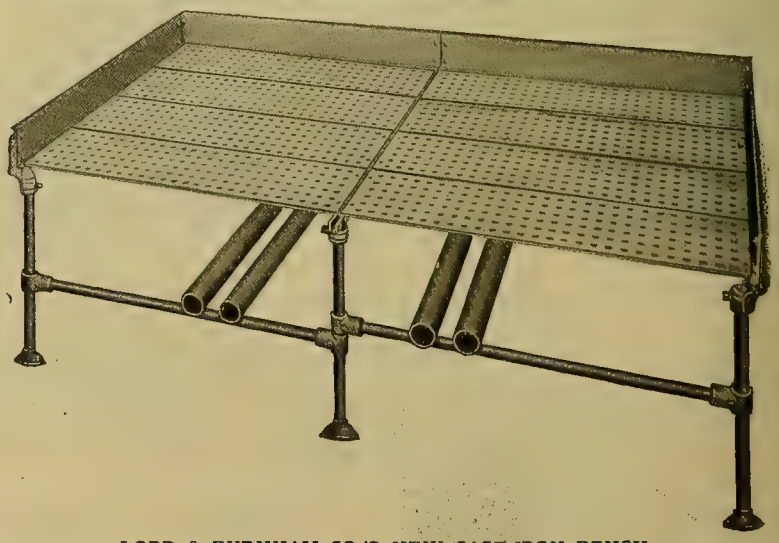


LORD & BURNHAM CO.'S NEW CAST-IRON BENCH.
Two Complete 4-foot 2-inch Units and Cross Brace Necessary in Every Other Leg.

An argument advanced in favor of the cast-iron bench is the rapidity with which it can be erected. It is claimed that two men can erect over 500 feet per day of this new bench, and this proposition alone is entitled to consideration, particularly in cases where the planting of stock has been delayed on account of building new houses or renewing old ones. It is known to all florists, that a few days' delay sometimes entails considerable loss.

Another point made is, that a concrete bench when once installed is there to stay and cannot be changed. For the cast-iron bench it is claimed that were it necessary to take out the center bench and drive a horse and cart through the house it would be a very easy matter to do so. The entire principle of this bench is that of units, or on the principle of the sectional bookcase. The sides are cast in lengths of 4 ft. 2 inches and the ends and bottoms in a series of convenient lengths. To erect the bench, the leg is placed in the main fitting, which is held in position by a set screw; the sides are then bolted to the main fitting, the bottoms secured to the sides, the end bolted on and this process continued till the bench is finished. The bottoms are bolted to a flange extending from the lower edge of the sides. On every other leg there is a cross brace to stiffen the bench, which also serves the additional purpose of being an excellent support for the heating pipes. In side benches, a center leg is necessary, a modified fitting being made to support the cross stay which then becomes necessary, and to which the bottoms are bolted in the same manner as to the sides.

The perforated bottoms of the cast-iron bench, it is claimed, give perfection in drainage. In durability it is claimed that cast-iron scales over with a light rust and remains unchanged for years; on the other hand it is claimed that concrete benches to be lasting and durable, must be erected with great care to be exactly right, otherwise they are liable to crumble and crack and produce generally unsatisfactory conditions. Another point in favor of the cast-iron bench is that the bottom is entirely free from any obstruction to catch the shovel in the removal of soil. It has long been plain to the writer that the wooden bench was doomed. In years gone by, when he trundled a wheelbarrow and handled a shovel, he has often wished that its finish had arrived before his birth. The old wooden bench was a prolific cause of profanity, and a breeding and nesting place for all manner of insects. Both cast-iron and concrete are strictly along the lines of advancement, which now seems to be the watchword of all intelligent florists. As already stated, this new proposition, on account of the many existing monuments to the high order of intelligence and mechanical skill of its authors, deserves careful consideration from the growers.



LORD & BURNHAM CO.'S NEW CAST-IRON BENCH
The 8-foot Pattern Showing Center Leg and Cross Braces to Support Heating Pipes.

The Commission Business in Louisville.

A paper read by Fred L. Schulz before the Kentucky Society of Florists at Louisville, May 5.

Acting upon a request made by our worthy president to draw up a paper explaining the circumstances existing in the commission business in Louisville I wish to say before proceeding that I sincerely hope that no one takes this as meaning him alone or as a personality. I mean to explain the facts just as they are. The relations as they now exist between the grower and commissioner are very deplorable. There seems to be quite a lack of confidence between the two parties. Believe me, gentlemen, that I am treating this matter with all fairness and candor and I certainly intend to give both parties what is justly due them. The grower has the idea in his head that the commissioner is the person to be used just at the time and when he sees fit; in fact, a good thing to be pushed along, a creature who has his place of business open only for his, the grower's personal convenience. To demonstrate this I will say that whenever there is a good demand for flowers the grower forgets all about the commissioner, forgets all the trouble he has had and the hard work he has done to build a trade to sell the flowers grown by the grower, forgets he has to take care of these customers under all circumstances. In fact, the grower forgets everything at that time but his own personal gain, forgets when times are good and the demand for flowers is good that the commissioner would like to share in the business and make a few dollars during said prosperity.

If you will only let me bore a hole in your heads and let me pour a few drops of reason into those holes you will understand that the commissioner's lot is far from being a pleasant one or one of profit. Fifteen per cent commission! Ye gods, gentlemen, think of the amount of spending money the commissioner has after paying his expenses, such as store rent, postage, light, ice, coal, telephones, help hire, and thousands of other incidental expenses. Get out your pencils and figure with me and you will find that a business, no matter how large or small, cannot be conducted on wind. A certain amount must be made for expenses before there is one cent of net profit and I can assure you that on a commision of 15 per cent that after all expenses are paid the amount of net

profit left will be so small that it will require a magnifying glass to see it. And to think, gentlemen, under such conditions that the grower forgets the commissioner during prosperous times and expects him to keep going. Then, when the demand ceases and cut flowers are a glut on the market, he expects him to sell every flower he sends in to him at a good price. He also seems to forget that there are hundreds of growers who at that time have a large surplus of stock. At that time the commissioner's box is full to overflowing and you expect him to sell goods which you were not able to sell. The results of such actions drive the commissioners to desperation and they cease to be a good thing. Results: they go to a foreign market, buy the goods outright, make a fair profit, and thus bring competition into your market against your own product, for which you have no one to blame but yourself. There is no doubt in my mind that there are many in the commission business who are unscrupulous and are always looking for the best end of everything. Those things exist in every business. If you are dealing with such a commissioner and get burned, remember how the burnt child dreads the fire. Stay away from such a man. There are lots of honest commissioners to deal with who will be glad to get your business all the time, but do not want it only sometimes.

The 15 per cent commission is entirely too small. Some arrangement ought to be made whereby the commissioner can get a fair, just and legitimate commission. Remember, gentlemen, that the commissioner is human, his wife needs clothes, his babies shoes, and they all need food, and if he has no wife and babies, it is but perfectly natural for him to expect some day to have both. Now, gentlemen, how on earth could you expect him under such conditions to take care of the wife and babies he has or those he expects some day to get? He likes a dollar as much as you do, and he surely needs it in his business as badly as the grower. Hoping that my efforts in composing and reading this paper will be the means of bringing the grower and commissioner closer together, and of profit to the florists' business in general, I beg to close and thank you for your kind attention.

BEGONIA GLOIRE DE LORRAINE.

Winter Flowering Begonias.

CAREFUL WATERING MOST IMPORTANT.

The following hints will, we think, be helpful to growers of winter flowering begonias, especially B. Gloire de Lorraine and its types. The propagation by leaf-cuttings takes place here from November till January. The stems of single leaves are inserted firmly in the sand bed, about one inch deep, where they remain from six to seven weeks; great care is exercised in watering, and a temperature of 62° to 65° at night is maintained during this period.

In January, or when the leaves are well rooted, they are potted singly into 2-inch pots, in a compost of two parts loam and one part sand; here one must exercise the greatest care in watering, as during continued damp and rainy weather, they are liable to damp and rot off. From this time on, keep night temperature at from 60° to 62°.

About June 1, these should be nice little plants, with several shoots coming up from the center of each and ready to ship, or re-pot into 3 or 4-inch pots; at this time use two parts loam, one part sand, and about 10 per cent of old, well rotted cow manure. They should at all times be moderately shaded; they like some sun, but not too much; too deep a shade does more harm than good. Watering, at all times, must be done carefully, they don't like extremes, neither too wet nor too dry. During the growing season, however, they require an abundance of water, but should be allowed to dry out fairly well every time, then watered through.

The final repotting is done in August, into 6 or 7-inch pots, using two parts loam, one part sand, and one part well rotted cow manure. Allow plenty of space between the pots when placed on the bench. As a preventive of insects, tobacco stems are put between the pots, and this should be changed every four weeks. Do not syringe the plants overhead, at any time. During continued dull or rainy weather, keep plants and greenhouse as dry as possible. In September, begin tying up for training of plants; one stick in the center is quite sufficient. During fall and winter months a temperature of 58° to 60° at night is enough for their well-being.

J. A. PETERSON.

Tropeolum Flore Pleno Darmstadt.

This beautiful double-flowered nasturtium was raised by Herr Henkel, of Darmstadt, and distributed by him last year, according to a correspondent of the Gardeners' Chronicle. The flower is quite double and of an intense yellow color, with scarlet feathering at the base of the petals. A more brilliantly colored flower does not exist, even among such a family as the tropæolums. It has also the great merit of being exceedingly free-blooming, even in recently-rooted cuttings, and the flowers remain a long time in beauty. For covering a trellis during the summer season out of doors I do not know anything more brilliantly beautiful. It can be easily and quickly increased by cuttings, which make roots very readily, and when better known it will be seen in every good collection of ornamental flowering plants.

To Be Done Now.

IN THE GREENHOUSES.

Give all plants a new stand frequently now that growth is active.

Keep all young stock potted on, and where necessary pinched to prevent flowering.

Rake up old loose manure that has dried up from the benches, as it is apt to encourage insects of various kinds.

See that all seed pods are picked off the Indian azaleas before they are stood outside.

Repot young palm stock, giving a light shift and good soil, and make up kentias and arecas in pots as needed.

Remove forced shrubs to the open as ready, repotting any that are to be kept in pots for the summer.

Let the first signs of mildew on the rose benches have attention and this will keep all right.

Never leave plants of any kind to dry up. When they are done with throw them out.

Repot coleuses for growing on loosely in a light rich compost and water freely when started again.

IN THE STORE.

A few box and bay trees around the store have a cool and refreshing appearance now.

A telephone message to good customers telling them when you have good stock to dispose of cheap is often appreciated.

Pansies of varied colors over a solid wreath of pink carnations and lightly arranged with maidenhair fern was the composition of a very artistic though not expensive wreath recently noted.

Memorial day orders satisfactorily carried out will lead to others from the same source.

Call attention to the fact that you are able to carry out steamship orders in the various ports.

Don't have large bunches of lilac half wilted in the window under the impression of making a show.

OUTDOORS.

Look closely after the newly planted herbaceous stock in sudden bursts of bright weather.

Time to clean up all odds and ends of protective material and have everything tidy for the summer.

Plant up tulips and other bulbs that are removed from the beds in some out of the way corner. They may be useful for planting in the borders next season if not dried off too rapidly.

Thin out the hardy annuals to the final distance before they get crowded.

Where fruit trees suffer from sun scald prepare protection for them early.

Either mulch or cultivate regularly the borders where young shrubs are planted to keep the sun from the roots.

After the heavy rains plants are not well rooted as a rule and soon wilt under a bright sun.

Keep the growing points of young vines tied in fairly close or they may be battered about by wind.

Look out for all badly worn places and paths across the lawn and water and feed them regularly, keeping traffic off them.

London.

The Royal Horticultural Society's meeting May 12 was a grand one in ideal weather. Page, of Hampton, and Waters, of Balcombe, were on a level with Burnett, of Guernsey, each gaining a silver Banksian medal for groups of cut carnations of very high merit. In the silver gilt floral awards G. Mount came out on top with grand quality roses, the new variety, Joseph Lowe, being simply at its best. Rochford & Sons, Ltd., had a silver floral medal for pot roses, Hiawatha and Tausendschon being at their best. Wedding Bells, Lady Gay, and Dorothy Perkins were first-class. A white rambler, Sweetheart, and a double sport from Cant's Blush, Gertrude Rochford, were well shown.

In Cannell's silver medal collection a group of Hydrangea hortensis, of fine color, with heads 15 inches across in 4-inch pots were well done. R. H. Bath, Ltd., put up a fine vase of narcissus, a hybrid named Grandeur. This firm is taking good orders from Victoria, B. C., Vancouver, etc., for bulbs. Cheal & Sons staged a very representative group of hardy cut shrubs including Cheal's new Weeping Japanese Cherry, a double free flower, good pink, likely to be of value for both outdoor culture and forcing.

S.

WREATH AT THE FUNERAL OF WM. SCOTT, BUFFALO, N. Y.

By W. J. Palmer & Son.—Lavender Rhododendron, White Lilac and Adiantum Farleyense.

The Crocus Tulip.

One of the brightest of the tulip species is that sometimes called the crocus, or Celsius's, tulip (Tulipa australis, syn. Celsiana), a pretty little plant which has never yet received the due recognition its merits would justify, and which might be more frequently utilised in quantity in the gardens of the many, whereas it is at present only met with in those of the few who are especially devoted to hardy bulbous flowers. It deserves a better appreciation than this, says a correspondent of the Gardeners' Magazine, as it is one of the prettiest and most showy of the really dwarf species, particularly where it is in full sun, when its large flowers spread out almost flat, and resemble some magnified yellow crocus. When the flowers are closed they are interesting also, and the exterior tinting of reddish-brown and green is then well in view. The flowers are smaller than those of some of the more popular species, but they are quite large enough for the stature of the plant, which is from six to eight inches, or even more.

Tulipa australis is one of the stoloniferous species, and where it is happy increases with fair freedom. The crocus tulip is a native of the south of Europe and the shores of the Mediterranean, and in cultivation requires a warm and sunny position in a light and rather sandy soil. Here it should be planted about two inches deep, the bulbs being set about two or three inches from each other if a close clump is desired. It is a charming little tulip for the rock garden, and does pretty well in the border, but it is not sufficiently robust to hold its own well in the grass, which would be its best situation were it amenable to this method of cultivation in our climate. A bright little flower, T. Celsiana is now obtainable at a moderate price in autumn, when it should be planted. It opens in the early days of May, as a rule.

Funeral of the Late William Scott.

The funeral of the late Wm. Scott was held from the family residence May 21, the Rev. Geo. Gavallier of All Saints Episcopal church conducting the services. It was one of the largest funerals held in this city for a long time and showed the high esteem he was held in by the people of Buffalo and surrounding country. The floral offerings were profuse and very handsome. Among the societies and individuals who sent flowers were the following:

The Society of American Florists, a handsome upright wreath of white roses.

Buffalo Florists' Club, casket cross of white roses.

Detroit Florists' Club, design.

Toronto Florists' Club, design.

St. Andrew's Scottish Society, a St. Andrew's cross.

The Corfu employes, an upright wreath.

Employes S. A. Anderson's greenhouses, bunch of American Beauty roses.

President Frank Traendly, New York, a wreath.

Philip Breitmeyer, Detroit, Mich., a wreath of orchids and centaurea.

J. F. Sullivan, Detroit, Mich., a wreath.

J. H. Dunlop, Toronto, Ont., a wreath of cycas and Liberty roses.

Rochester friends, a wreath.

Peter Crowe, Utica, N. Y., a wreath of adiantum and Killarney roses.

Keller Bros., Rochester, N. Y., a wreath.

Ludwig and Burki, Pittsburg, Pa., a wreath.

Harry Balsley, Detroit, Mich., a wreath.

Vaughan's Seed Store, Chicago, a wreath.

E. I. Mepsted, Ottawa, Ont., a wreath.

Every florist in Buffalo sent a design or bunch of the choicest flowers. It is safe to say that a finer lot of flowers and more beautiful arrangements were never seen here.

The honorary pallbearers were Wm. F. Kasting, W. J. Palmer, Peter Crowe, Wm. Belsey, Thos. Stoddart, James Cloudsley, Geo. Troup and David Farquhar, representing the florists and St. Andrew's Scottish Society.

The active pallbearers were W. C. Hewson, L. H. Neubeck, Wm. Waring, David Beveridge, James Nielson and Chas. Sandiford.

The florists of Buffalo turned out in a body at the house and marched to Forest Lawn and paid their last sad tribute to one who they held in the highest esteem and who will be sadly missed. His brother, Alex. Scott, arrived from Baltimore, Md. A. J. Scott, his nephew from the south, could not be present and E. I. Mepsted of Ottawa, Ont., was prevented from attending by illness.

The following were present from Rochester, N. Y.: Chas. Vick, Fred. Vick, A. Salter, J. B. Keller and Geo. B. Hart; Harry Balsley, from Detroit, Mich.; F. G. Lewis and Thos. Mansfield, Lockport, N. Y.; C. F. Christensen and R. E. Boettger, Eggertsville, N. Y.

Dates of Early Autumn and Late Spring Frosts.

ARRANGED FOR READY REFERENCE FROM DATA SUPPLIED BY THE DEPARTMENT OF AGRICULTURE.

The following table shows for the stations of the weather bureau throughout the United States dates of first killing frost in autumn and last killing frost in spring; also the average dates of first killing frost in autumn and of last killing frost in spring. Column A gives date of earliest recorded killing frost in autumn; column B date of latest recorded killing frost in spring; column C average date of first killing frost in autumn; column D average date of last killing frost in spring.

Station.	A.	B.	C.	D.
Alabama—Mobile	Oct. 31	Mar. 28	Nov. 30	Feb. 24
Montgomery	Oct. 21	Apr. 5	Nov. 8	Mar. 11
Arizona—Phoenix	Nov. 9	Mar. 31	Dec. 7	Feb. 18
Yuma	None	None	None	None
Arkansas—Fort Smith	Oct. 15	Apr. 6	Nov. 5	Mar. 4
Little Rock	Oct. 22	Apr. 14	Nov. 10	Mar. 20
California—Eureka	Nov. 7	May 1	Dec. 8	Apr. 2
Fresno	Nov. 18	Apr. 14	Dec. 15	Mar. 4
Los Angeles	None	Apr. 8	None	Apr. 8
Red Bluff	Nov. 7	Apr. 9	Nov. 25	Mar. 15
Sacramento	Oct. 28	Apr. 26	Nov. 15	Feb. 16
San Diego	None	None	None	None
San Francisco	Dec. 20	Apr. 20	Dec. 13	Jan. 25
San Luis Obispo	Nov. 19	Apr. 8	Dec. 17	Mar. 17
Colorado—Denver	Sept. 12	June 6	Oct. 7	May 6
Grand Junction	Sept. 14	Apr. 30	Oct. 29	Apr. 11
Pueblo	Sept. 12	May 23	Oct. 5	Apr. 26
Connecticut—New Haven	Sept. 15	May 30	Oct. 17	Apr. 20
District of Columbia—Washington	Oct. 2	May 11	Oct. 21	Apr. 7
Florida—Jacksonville	Nov. 12	Apr. 6	Dec. 6	Feb. 19
Jupiter	Nov. 18	Apr. 7	Dec. 29	Feb. 14
Pensacola	Nov. 12	Apr. 6	Dec. 5	Feb. 23
Tampa	Nov. 28	Mar. 19	Jan. 9	Feb. 8
Georgia—Atlanta	Oct. 4	Apr. 10	Nov. 7	Mar. 24
Augusta	Oct. 8	Apr. 17	Nov. 9	Mar. 20
Macon	Nov. 5	Apr. 18	Nov. 14	Mar. 15
Savannah	Nov. 1	Apr. 5	Nov. 26	Feb. 27
Illinois—Cairo	Sept. 30	Apr. 19	Oct. 28	Mar. 29
Chicago	Sept. 18	May 29	Oct. 15	Apr. 18
Springfield	Sept. 25	May 22	Oct. 16	Apr. 20
Indiana—Evansville	Sept. 10	Apr. 21	Oct. 30	Apr. 10
Indianapolis	Sept. 21	May 21	Oct. 19	Apr. 16
Iowa—Davenport	Sept. 18	May 22	Oct. 14	Apr. 22
Des Moines	Sept. 12	May 22	Oct. 8	Apr. 28
Dubuque	Sept. 27	May 21	Oct. 12	Apr. 19
Keokuk	Sept. 18	May 2	Oct. 17	Apr. 2
Sioux City	Sept. 13	May 21	Sept. 23	May 1
Kansas—Concordia	Sept. 27	May 19	Oct. 14	Apr. 24
Dodge	Sept. 23	May 11	Oct. 15	Apr. 17
Topeka	Sept. 28	May 19	Oct. 13	Apr. 8
Wichita	Sept. 23	Apr. 30	Oct. 19	Apr. 6
Kentucky—Lexington	Sept. 30	May 20	Oct. 23	Apr. 18
Louisville	Sept. 24	May 14	Oct. 29	Apr. 6
Louisiana—New Orleans	Nov. 19	Mar. 27	Dec. 15	Jan. 24
Shreveport	Oct. 20	Apr. 2	Nov. 11	Mar. 4
Maine—Eastport	Sept. 3	June 19	Oct. 12	Apr. 28
Portland	Sept. 11	May 31	Oct. 18	Apr. 14
Maryland—Baltimore	Oct. 6	May 3	Nov. 4	Apr. 4
Massachusetts—Boston	Sept. 30	May 11	Oct. 22	Apr. 26
Nantucket	Oct. 1	Apr. 24	Nov. 5	Apr. 10
Michigan—Alpena	Sept. 6	June 9	Sept. 26	May 14
Detroit	Sept. 21	May 31	Oct. 11	Apr. 30
Escanaba	Sept. 9	June 16	Oct. 1	May 14
Grand Haven	Sept. 23	May 28	Oct. 10	Apr. 28
Marquette	Aug. 22	June 11	Oct. 2	May 15
Port Huron	Sept. 22	June 6	Oct. 9	May 8
Sault Ste. Marie	Sept. 5	May 29	Sept. 24	May 16
Minnesota—Duluth	Sept. 15	June 8	Oct. 14	May 3
Minneapolis	Sept. 13	May 20	Oct. 8	Apr. 27
Moorhead	Aug. 25	June 8	Sept. 22	May 14
St. Paul	Sept. 20	May 25	Oct. 5	May 6
Mississippi—Meridian	Oct. 8	Apr. 10	Nov. 2	Mar. 20
Vicksburg	Oct. 19	Apr. 6	Nov. 12	Mar. 17
Missouri—Columbia	Sept. 28	May 6	Oct. 15	Apr. 14
Hannibal	Sept. 30	May 14	Oct. 15	Apr. 14
Kansas City	Sept. 30	Apr. 23	Oct. 22	Apr. 7
St. Louis	Sept. 30	May 22	Oct. 27	Apr. 2
Springfield	Sept. 30	May 19	Oct. 13	Apr. 16
Montana—Havre	Aug. 14	June 6	Sept. 18	May 11
Montana—Helena	Sept. 5	June 9	Sept. 25	May 10
Nebraska—Lincoln	Sept. 12	May 7	Oct. 9	Apr. 18
North Platte	Sept. 10	May 23	Sept. 28	May 1
Omaha	Sept. 18	May 19	Oct. 12	Apr. 15
Valentine	Sept. 12	June 21	Sept. 18	May 9
Nevada—Winnemucca	Aug. 22	May 11	Sept. 24	June 20
New Jersey—Atlantic City	Oct. 1	Apr. 25	Nov. 4	Apr. 11
New Mexico—Santa Fe	Sept. 28	May 18	Oct. 19	Apr. 15
New York—Albany	Sept. 23	May 30	Oct. 17	Apr. 24
Binghamton	Sept. 16	May 21	Oct. 6	Apr. 27
Buffalo	Sept. 23	May 25	Oct. 16	Apr. 25
New York	Oct. 15	Apr. 30	Nov. 6	Apr. 10
Oswego	Sept. 25	May 29	Oct. 19	Apr. 27
Rochester	Sept. 26	May 30	Oct. 19	May 1
North Carolina—Charlotte	Oct. 8	Apr. 26	Nov. 4	Apr. 1
Hatteras	Nov. 7	Apr. 19	Dec. 11	Feb. 28
Raleigh	Oct. 8	May 6	Nov. 4	Apr. 5
Wilmington	Oct. 16	May 1	Nov. 15	Mar. 27
North Dakota—Bismark	Aug. 17	June 3	Sept. 15	May 15
Williston	Aug. 18	June 10	Sept. 14	May 18
Ohio—Cincinnati	Sept. 30	Apr. 24	Oct. 25	Apr. 14
Cleveland	Oct. 2	May 22	Oct. 31	Apr. 16
Columbus	Sept. 21	May 17	Oct. 16	Apr. 16
Sandusky	Oct. 8	May 2	Oct. 26	Apr. 14
Toledo	Sept. 9	May 29	Oct. 15	Apr. 24
Oklahoma—Oklahoma City	Oct. 7	Apr. 30	Oct. 31	Apr. 2
Oregon—Baker City	Sept. 4	June 24	Sept. 27	June 3
Portland	Oct. 13	May 9	Nov. 16	Mar. 17
Roseburg	Oct. 9	May 16	Oct. 30	Apr. 15
Pennsylvania—Erie	Oct. 12	May 17	Oct. 19	Apr. 20
Harrisburg	Oct. 3	Apr. 26	Oct. 24	Apr. 10
Philadelphia	Oct. 3	Apr. 29	Oct. 30	Apr. 8
Pittsburg	Sept. 25	May 29	Oct. 19	Apr. 26
Rhode Island—Block Island	Oct. 30	May 11	Nov. 16	Apr. 18
Narragansett	Sept. 21	May 30	Oct. 16	Apr. 18
South Carolina—Charleston	Nov. 9	Apr. 2	Nov. 30	Mar. 1
Columbia	Oct. 19	Apr. 17	Nov. 8	Mar. 23
South Dakota—Huron	Aug. 23	June 8	Sept. 20	May 13
Pierre	Sept. 12	May 19	Sept. 30	Apr. 30
Rapid City	Sept. 13	May 20	Sept. 20	May 1
Tennessee—Chattanooga	Sept. 30	May 14	Oct. 26	Apr. 2
Knoxville	Oct. 1	Apr. 24	Oct. 27	Apr. 3
Memphis	Oct. 2	Apr. 16	Oct. 28	Mar. 24
Nashville	Oct. 8	May 14	Oct. 24	Apr. 2
Texas—Abilene	Oct. 25	Apr. 16	Nov. 15	Mar. 15
Amarillo	Oct. 16	May 23	Nov. 1	Apr. 16
Corpus Christi	Nov. 30	Mar. 19	Dec. 25	Feb. 27
El Paso	Oct. 30	Apr. 22	Nov. 10	Mar. 20
Fort Worth	Oct. 22	May 1	Nov. 19	Mar. 18
Galveston	Dec. 4	Mar. 1	Dec. 25	Feb. 5
Palestine	Oct. 20	May 30	Nov. 13	Mar. 13
San Antonio	Nov. 9	Mar. 20	Nov. 30	Feb. 25
Utah—Salt Lake City	Sept. 22	June 18	Oct. 18	Apr. 23
Vermont—Northfield	Aug. 27	June 7	Sept. 16	May 13
Virginia—Lynchburg	Oct. 4	May 7	Nov. 1	Apr. 14
Norfolk	Oct. 15	Apr. 26	Nov. 12	Mar. 27
Wytheville	Sept. 14	May 26	Oct. 7	Apr. 23
Washington—Seattle	Oct. 18	May 10	Nov. 22	Mar. 21
Spokane	Sept. 7	June 8	Oct. 17	Mar. 23
Tatoosh Island	Nov. 1	Apr. 19	Dec. 15	Mar. 14
Walla Walla	Sept. 28	May 3	Nov. 1	Apr. 6
West Virginia—Elkins	Sept. 28	May 24	Oct. 8	May 12
Parkersburg	Sept. 24	May 22	Oct. 17	Apr. 11
Wisconsin—Green Bay	Sept. 16	May 30	Oct. 4	May 5
La Crosse	Sept. 2	June 23	Oct. 8	May 2
Madison	Sept. 30	May 13	Oct. 17	Apr. 21
Milwaukee	Sept. 25	May 29	Oct. 10	Apr. 29
Wyoming—Cheyenne	Aug. 29	June 11	Sept. 16	May 22
Lander	Aug. 23	June 18	Sept. 11	May 19

PROTECTION FROM FROST.

Fruit and vegetable growers in rolling and hilly country, or when located on the lee, as regards west to northwest winds, of bodies of water, can, to some extent, so place their earlier and tenderer fruits and crops that they will, in the first instance, avoid the lowlands and valleys, and in the second take advantage of the more moderate and moist air that crosses water surfaces. For further protection the grower must depend upon artificial appliances. These appliances are designed to produce the following effects or results: To prevent a rapid radiation of heat from the earth; to charge the air with moisture; to warm the air; to create artificial drafts, whereby the air is mixed and the cold air is not allowed to settle to the surface of the earth; or to actually cover or roof in plants.

THE AMERICAN FLORIST

1885 TWENTY-THIRD YEAR. 1908

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Advertising rates on application.

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We do not assume any responsibility for the opinions of correspondents.

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GREAT interest is now being taken in the irrigation lands of Idaho.

IN renewing subscription one of our readers writes as follows: "With gratitude I pay my subscription for the coming year. The valuable information which the AMERICAN FLORIST gives to its subscribers cannot be considered paid by any amount of subscription."

MONEY can again be had at low rates.

THE builder's advice is usually good advice on greenhouse construction.

CAYENNE PEPPER used with the fumigating material is very effective against thrips.

NEW YORK papers are down on the "foxy" florists for taking advantage of Mother's day.

E. G. HILL has sailed for Europe to exploit the National Flower Show, leaving home May 20.

SELDOM have the parks all through the United States been so attractive as during the last two weeks.

MAKE a note of Mother's day and file it so it will come under notice about May 1 next year or earlier.

WE trust that all who can possibly do so will send us an early report of trade in their vicinity on Memorial day.

STRAIGHT lines may not be ornamental in the flower garden, but they are necessary when planting in the greenhouses.

A COOL rooting medium and plenty of sunlight for the top growth are the conditions that best suit Tropæolum speciosum.

THE NATIONAL FLOWER has not yet been decided on, but preparations for the National Flower Show are going on all right.

THE earliest flowers of Cattleya gigas are in and are very good. A pure white form of this species is reported from England.

REV. J. T. HARGRAVE, Cedarhurst Lodge, Oliver, Va., is reported as asking credit of the horticultural trade and giving unauthorized references.

QUICK rotation of crops, either inside or out, should be studied. It does not pay to have benches or outside quarters doing nothing one-half of the year.

TOMATOES it seems are now to be used in the trimming of the smartest hats of the gay Parisiennes and it is stated that cucumbers and parsnips loom threateningly on the horizon as candidates for similar rank.

MANY advertisers write us when they are quite sold out of various stocks. It is far better to write when the stock of any variety is getting low as orders continue to arrive after the items are taken out and it is better to keep the ads alive.

AUG. HAERENS, of Somergem, Belgium, was awarded five first and two second prizes for azaleas at the recent Ghent quinquennial exhibition. Those who saw Mr. Haerens' plants in these classes say they were remarkable examples of high culture.

VARIOUS guilds and societies for growing truck produce on vacant lots as a means of finding relief work for the unemployed have been formed in many cities. The idea is a good one if not overworked though, unfortunately, it would not appear to touch the winter season much when the relief is even more wanted than in summer.

CHAS. H. KEITSCH, superintendent of the S. A. F. trade exhibition to be held at Niagara Falls next August, is sending out plans of the space available, which includes 20,000 square feet on the ground floor of the Cataract House. Mr. Keitsch writes that he has already received a number of applications for space and he thinks all the space will be taken. Copies of the floor plan can be had on application to Chas. H. Keitsch, 810 Main street, Buffalo, N. Y.

Keeping Bulbs.

ED. AMERICAN FLORIST:—

Please inform me how best to keep bulbs over till fall. I have several hundred left from Easter, namely—Lilium longiflorum, tulips and hyacinths.

B. F. S.

Bulbs, such as named above, with the possible exception of perfectly firm and sound lily-bulbs, are not worth keeping over until next year, if they have been forced and furnished flowers before their natural season of flowering. A number of the tulips and a few of the hyacinths, if dried off and planted in open ground in the fall, will show up and bring short-lived, feeble stemmed blooms next spring. This will be the last effort of nearly all the hyacinths and most of the tulips, but here and there one may reappear the following spring. None of these will repay the grower for making the attempt to force under glass again next winter. Healthy, firm bulbs of Lilium longiflorum, or of any lily not subjected to excessive heat while being forced may now be taken out of their pots, root-balls to remain intact, and be planted or buried in a freshly dug piece of garden ground, the stumps of the cut off flower-stalks with their remaining leaves, if there are any, to be above ground. These lilies, repotted into fresh soil in the fall and afforded the same treatment as newly imported lily bulbs, are usually good for another season's forcing.

X. X.

Meetings Next Week.

Chicago, June 4, 8 p. m.—Chicago Florists' Club, Union restaurant, 111 Randolph street.

Dayton, O., June 4.—Dayton Florists' Club, 37 E. Fifth street.

Des Moines, Ia., June 2, 8 p. m.—Des Moines Florists' Club, Iowa Seed Co.'s store.

Detroit, Mich., June 3, 8 p. m.—Detroit Florists' Club, 38 Broadway.

Grand Rapids, Mich., June 1.—Grand Rapids' Gardeners' and Florists' Club, Board of Trade rooms, Pearl street.

Hamilton, Ont., June 2, 8 p. m.—Hamilton Gardeners' and Florists' Club, office of member.

Indianapolis, Ind., June 2, 7:30 p. m.—State Florists' Association of Indiana.

Lake Geneva, Wis., June 6, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association.

Louisville, Ky., June 2, 8 p. m.—The Kentucky Society of Florists.

Milwaukee, Wis., June 4, 8 p. m.—Milwaukee Florists' Club Quiet House, corner Broadway and Mason streets.

Montreal, Que., June 1.—Montreal Gardeners' and Florists' Club, Alexandria rooms, 404 St. Catherine street, west.

New Orleans, La., June 3, 8 p. m.—German Gardeners' Club, 624 Common street.

Newport, R. I., June 3.—Newport Horticultural Society.

Pasadena, Calif., June 5, 8 p. m.—Pasadena Gardeners' Association, G. A. R. Hall, East Colorado street.

Philadelphia, Pa., June 2, 8 p. m.—Florists' Club of Philadelphia, Horticultural Hall, Broad street, above Spruce.

Pittsburg, Pa., June 2, 8 p. m.—Pittsburg and Allegheny Gardeners' and Florists' Club, 422 Sixth avenue.

Salt Lake City, Utah, June 2.—Salt Lake Florists' Club, Huddart Floral Co., 114 East Second South street.

San Francisco, Calif., June 6.—Pacific Coast Horticultural Society.

Seattle, Wash., June 2.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.

Utica, N. Y., June 4, 8 p. m.—Utica Florists' Club, Hotel Martin.

Washington, D. C., June 2, 8 p. m.—Florists' Club of Washington, 1214 F street, N. W.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Every paid subscriber to the AMERICAN FLORIST for the year 1908 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—Young man, 22 years of age; some experience in greenhouse; wishes to learn more. Key 552, care American Florist.

Situation Wanted—By German, married, 36; capable of taking charge of any size private or commercial place. H. GRAUE, 418 N. Perry St., Johnstown, N. Y.

Situation Wanted—Honest, reliable young man, age 24 with no bad habits, wants work in country home summer resort or farm; can milk. Key 547, care American Florist.

Situation Wanted—By all around grower; can grow carnations; commercial or retail place; 31 years old, single; 15 years' experience state wages. Key 553, care American Florist.

Situation Wanted—By young man 19 years old 2 years' experience in growing carnations and bedding plants. Texas or Oklahoma preferred. CARLISLE GORMAN, 681 N. Broughton St., Sherman Texas.

Situation Wanted—By sober industrious young man with five years' experience would like position as carnation grower; references furnished; address A. M. MYHRE, Drawer O, Hastings, Minn.

Situation Wanted—As foreman; good rose, carnation and general cut flower grower; German 20 years' experience; 5 years in this country; West preferred. Address Key 550, care American Florist.

Situation Wanted—By a first-class German florist, designer and decorator; London and New York experience; best references; state in first letter, wages and particulars. Address Key 537, care American Florist.

Situation Wanted—By all-around greenhouse and storeman; expert grower designer decorator. 18 years' experience; 6 years in last place as foreman. Don't use liquor; west preferred; state wages. Key 544, care American Florist.

Situation Wanted—As landscape gardener or in nursery; 6 years' experience as a florist and gardener; 5 years as landscape gardener; has for the last couple of years, principally, worked in office making plans etc. Key 555, care American Florist.

Situation Wanted—I wish to correspond with parties desiring first-class grower of roses, carnations, 'mums and general stock; roses and carnations my specialty; 15 years' experience, German 28 single; best references; please state salary with full particulars, address Key 554 care American Florist

Help Wanted—A man to work in rose sections; state wages without board. Apply COLE BROS., Peoria, Ill.

Help Wanted—Good grower of general greenhouse stock and bedding plants for retail place. E. NAGEL & SON, 1118 W. Lake St., Minneapolis, Minn.

Help Wanted—At once a young man for retail store; one who has had some experience in design work; state age and salary expected. Key 549 care American Florist,

Help Wanted—A first-class grower of pot plants, near New York; married man, German preferred; must be able to take charge; state wages. Key 548, care American Florist.

Help Wanted—Good grower of general greenhouse stock and bedding out plants; German preferred; apply at once; state wages with board in first letter. Address Key 541, care American Florist,

Help Wanted—Florist, industrious, reliable young man from 20 to 30; wages to begin $20 per month with board and room; only sober respectable men need apply; references required. C. E. DEWEVER, Clayton, Mo.

Help Wanted—Young man as working foreman to take an interest in an established greenhouse business. Only small capital required. Correspondence invited. Address Key 530, care American Florist.

Help Wanted—A first-class designer, decorator and storeman; state reference and salary expected; permanent position and chance for advancement to right person; location middle West Address Key 540, care American Florist.

Help Wanted—Working foreman on fruit farm sasisfactory referehces required; must be experienced in grape, cherry, pear, apple, plum; married man, small family preferred; furnish house, wood, garden and cow. E. H. HITCHCOCK, Glenwood, Mich.

Partner Wanted—Florist with $5,000 cash, more or less; can become part owner of established modern greenhouse business. Address G. F MORRIS, 310 Ashland Block, Chicago.

For Rent—Greenhouses with ground; with or without living rooms; five minutes from car line. Address L. J. BOELSEN, JR., Hoffman Blvd, Elmhurst, L. I. N. Y.

For Rent—Greenhouses, best modern construction, prime condition; stocked with roses carnations chrysanthemums, etc.; 50,000 feet of glass; location Eastern Pennsylvania; good local trade; easy access to city markets; terms reasonable Key 551, care American Florist,

For Sale—27 000 feet of glass; filled with first-class stock; located in one of Chicago's suburbs; low price. Address FLORIST 4016 N. Clark St., Chicago.

For Sale—60-horse power tubular steam boiler; test 100-lbs. pressure, $150.00. Morehead steam return trap No. 2 with receiver and connections, $100.00 used only 6 months. GRASER & HUMPHREYS. Mt Sterling, Ky.

For Sale—A bargain for a good florist stand and store opposite Woodland Cemetery; with full line of confectionery; also greenhouses of 10 000 feet of glass; offered after July 1, for $1.500. HENRY EICHOFF, 6818 Woodland Ave. S. E., Cleveland. O.

For Sale—80-acre farm, on the bank of Fox river, with four greenhouses and stock of plants; 44 miles from Chicago on C., B. & Q. R. R.; near electric line; including cows, horses, wagons and farm implements; price $18 000.00; also suitable for country residence. Box 8. Oswego, Ill.

For Sale—Greenhouses and stock; about 20,000 feet of glass, well stocked with all kinds of bedding plants, ferns, palms and cut flowers; for terms inquire of Mrs Hugo Book, College street, Worcester, Mass., or L Midgley, Worcester Conservatories, Worcester, Mass.

For Sale—Unable to obtain the right kind of help and having other business to attend to, I will sell inventory, which consists of icebox 2 counters, 2 desks, wire frames, stock in 40-ft. greenhouse, etc., and good will, to responsible party, very reasonable; lease will be given at low rental in order to give the right party a chance to work himself up. Key 556, care American Florist.

FOR SALE.

Greenhouses. About 30,000 feet of glass in first-class condition. Well stocked, roses. Fine location for retail trade. Handy to Boston market for wholesale. Chance of a lifetime. Reason for selling, all my time is taken up with other business Write for particulars or call and see them.

H. F. CRAWFORD,
Montello Station, Brocton, Mass.

Grower Wanted

A good grower of chrysanthemums and general plant stock. Wages $60.00 per month. References.

Chatogue Greenhouses, Mobile, Ala.

Section Foreman Wanted.

We want a foreman for brand new rose section and will pay a good salary to the right man. Must be a first-class grower, reliable and competent in every respect. We want him right away and can offer a good position to an energetic man. Address

Key 546, care American Florist.

Seedsman Wanted.

Advertiser wants a good man who is competent to work in the house about four months of the year and travel within the state the remaining eight months. Send full particulars to

Key 557, care American Florist.

FOR SALE.

50,000 ft. of 4-in. Boiler Tubes, cleaned and trimmed, ready for greenhouse purpose Have special malleable iron sleeves to fit same. Will sell at a very low price. I also carry a complete line of Second-hand Pipe.

Write for my price before you make purchase.

ISIDOR COHEN, 240-250 Madison St., Milwaukee, Wis.

All Specialties

For Garden Parties, June Weddings and School Exercises should be offered now.

Also surplus stocks of Bedding Plants, Window Box Plants, Plants for Vases.

All kinds of Good Stock
Sell Readily when offered

The American Florist Readers.

Ready Reference Advertising 10 cents per line—seven words to the line. : : :

PLEASE MAIL YOUR ADVERTISEMENT NOW.

HENRY M. ROBINSON & CO.,

Wholesale Commission Florists.

Hardy Cut Evergreens and Florists' Supplies

BRONZE GALAX, best quality...$8 50 per case, 10,000; **GREEN GALAX**, best quality...$7.50 per case, 10,000.
New Crop **DAGGER AND FANCY FERNS**..... $2.00 per 1,000

Laurel Festooning, Boxwood, Southern Wild Smilax, Sphagnum and Green Moss, Leucothoe Sprays, etc.

15 Province St. and 9 Chapman Place, BOSTON, MASS.

Kansas City.

BUSINESS GOOD.

From almost every source comes the report of a satisfactory state of trade. Out-of-town commencements and those at home have caused a most noticeable demand for good stock. Preparations are being made for a large Decoration day business. There is some evidence, however, of doubt as to any increase in the volume of business that day, but the Easter lesson is one to remember. No one looked for an average business then, but after it was all over it proved to be the most profitable in history. Stock is fairly good and in most cases plentiful. Carnations seem to lose in size and general appearance as the season advances. The same conditions apply to roses. The effects of the frost in the early part of the spring are being plainly felt now that many of the usual early summer varieties of flowers are not to be had. Sweet peas are plentiful but later on they too will be scarce. Gladioli, lily of the valley, Easter lilies and iris are among the offerings of the week. Much hustling about for peonies has been in evidence this season and a great many more found their way to storage than ever before.

NOTES.

The regular monthly meeting of the Missouri Valley Horticultural Society occurred May 15, at the home of L. A. Goodman. Several important subjects were discussed. Jesse B. Tuggle of Shaw's Garden, St. Louis, was among the speakers. A lively discussion pertaining to bedding plants, was indulged in.

Decorators complain of having a very light season. There seems to be a general let up in social affairs, especially weddings, which have been unusually scarce this spring, and none seem willing to place the blame on cupid, either.

E. Ellsworth is one of the busiest fellows in town these days. He says that an unusual interest has been shown in landscape work this season and that orders for plant boxes came faster than he could handle them.

Max Eller has decided to abandon his stand at Twelfth and Main streets, that he may devote more time to his Walnut street store, where a steady growth in business is being enjoyed.

The Wm. L. Rock Flower Co. reports a splendid shipping business. A showing of boxwood and bay trees in mission boxes made in its own shop is the latest.

The latest addition, "The Flower Shop," at Eleventh and Main streets, appears to be making good, judging from the number of patrons seen there.

The Alpha Floral Co. has added an automobile to its delivery equipment. At present this store is making a specialty of dollar flower boxes.

Miss Moseley reports a busy week in Kansas City, Kans., on account of the G. A. R. reunion which was in progress there last week.

A. F. Barbee has made great preparations for a large Decoration day trade at his Elmwood cemetery place.

Geo. M. Kellogg is reported to be slowly recovering from his long illness.

M. E. Chandler has landed a fine large crop of peonies.

Visitors: Warren Spain, Lee's Summit, and Frank Stuppy and wife, St. Joseph.

K. C.

Fancy and Dagger FERNS $1.75 per 1000

Discount on large orders.

New Crop Galax, Bronze or Green, $1.25 per 1000: 10,000, $7.50. **Wild Smilax,** 50-lb. case, $6.00.
Sphagnum Moss, large bales.....$1 25
Leucothoe Sprays.....$1.00 per 100: 1000. 7 50
Boxwood.....35c per bunch: 50 lbs.. 7.50

Florists in the Middle and Western States can save money by placing their fern orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,
WHOLESALE COMMISSION FLORISTS,
38-40 Broadway, All Phone Connections. **DETROIT, MICH.**

Special Offer for 10 Days

Nice fancy **FERNS** 85c per 1000. Good **Dagger Ferns** $1.00 per 1000. New crop **Dagger Frns,** $1.50 per 1000. **Galax,** Green and Bronze $1.00 per 1000: case lots, 10,000, $7.50. 50-lb. cases **Wild Smilax** $6.00. **Leucothoe Sprays,** bronze or green, 40c per 100. **Ground Pine,** 5c per lb. or 5c per yd. **Pine** and **Laurel Wreaths,** for decoration use: Pine, $1.50 per doz., Laurel, $2.50 and $3.00 per doz. Send your order early for your decoration use. **Laurel Festooning,** 4c., 5c. and 6c. per yard; made daily fresh from the woods. **Boxwood,** No. 1 quality $8.00 percase, 50lb. Telegraph Office, New Salem, Mass. L.D. Phone Conn's.

CROWL FERN CO., Millington, Mass.

St. Louis.

HEAVY GLUT OF POOR STOCK.

The glut during the past week was simply astounding. Box after box arrived at the commission houses and to add to the trouble the quality of the stock is daily becoming more and more inferior and the demand being slow, it becomes a very difficult problem for the commission man to give his grower a respectable showing. In the down-town district the retailers vie with each other to determine who should head the list as to low prices. Carnations at 10 cents and roses at 5 cents per dozen are the signs that meet the public at every corner, but even the public appears disgusted at the low level of the floral market and fails to buy. The only redeeming feature is where retailers have $100 worth of work and can buy flowers enough for $10 to fill the orders. Another bad feature is that the general public will not understand that next Friday and Saturday they will be taxed 50 and 75 cents per dozen for carnations they have been buying for 10 and 15 cents per dozen. Memorial day Saturday, and school closing next month, will, it is hoped, help the market some. In justice to the west end florists, who are a more conservative body, it must be said they do not cut but hold up the prices and endeavor to keep the business at the proper level.

Park Commissioner Scanlan is out with his report. He suggests better attention to the park and an increase of park space befitting a city of this size, also a shelter and refreshment pavilion adjacent to the picnic ground at Forest park.

A severe storm May 24 played havoc at Forest park. Big elm and pine trees were leveled by the heavy wind and the saplings around the World's Fair site suffered severely, being recently planted.

A. C. Brown of Springfield, Ill., is shipping some of the best carnations seen in this market; they show care and attention and deserve better prices.

The opening of the new Third National bank called for large quantities of flowers, almost every florist in the city having orders for the occasion.

It is suggested that the outing to be given by the Florists' Club take place on one of the river excursion boats, by way of a change.

Geo. Waldbart is cutting some very fine peonies from his farm at Clayton. His cut for one day was over 900.

Ostertag Bros. supplied large quantities of flowers at the German village at the recent charity carnival.

The St. Louis Seed Co. is still busy and is out with its new flower pot circular.

W. F.

George Cotsonas & Co.

Wholesale and Retail Dealers in all kinds of

Evergreens.

Fancy and Dagger Ferns, Bronze and Green Galax,
Phone 1202 Mad. Sq.
Main Store. 60 W. 28th St., NEW YORK.

E. A. BEAVEN

Southern Wild Smilax,
Log Mosses,
Natural and Perpetuated—at Wholesale,
EVERGREEN, ALABAMA.

JOHN P. SCHERER,
Telephone 328 L Union.
636 Gardener St., UNION HILL, N. J.
SMILAX, FERNS, PALM LEAVES
and all kinds of
GREEN GOODS.

THE KERVAN COMPANY,
113 West 28th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe, Ferns, Mosses and all Decorative Evergreens.

JUNE WEDDINGS

and Commencement Exercises.

OUR AMERICAN BEAUTIES

are grown in solid benches, giving large fine colored flowers with stiff stems.

Our **Richmond, Killarney, Kaiserin, Carnot, Maid, Bride** and **Perle**

are all grafted and planted in solid benches. They produce big flowers with stiff stems.

We now have an immense crop of

GIGANTEUM LILIES.

Fine large flowers, only $6.00 per 100, or $1.00 per doz.

CARNATIONS.

Very cheap and good.

SEND US YOUR ORDERS.

Prices much lower after Decoration Day.

Bassett & Washburn,

GREENHOUSES:
HINSDALE, ILL.

Office: 76-78 Wabash Ave., CHICAGO.

European Horticulture.

FROM THE GERMAN TRADE PAPERS.

SEEDLING ORCHIDS.—At the establishment of Otto Beyrodt, Germany's noted orchid specialist, the rearing of all species from seeds has been carried on with unvarying good results for years. The tendency of the seedlings to revert to original crude forms and types is one of the most serious drawbacks to this class of work, necessitating acute judgment in the selection of flowers and plants destined to play a part in the production of seeds. Any oversight or faultiness here may mean from four to six years of painstaking care and labor wasted in the rearing of colorless, undesirable bloom on utterly worthless plants. In all other respects,—contrary to old time notions,—the work is of a kind not at all difficult to undertake or to be carried to a satisfactory issue by any fairly good cultivator, patience alone being needful in great measure, more than unusual skill. Fertilized specimens, plainly showing that impregnation has taken place, henceforth need the clear light but are only sparingly dealt with as regards moisture, so as not to call forth premature new growth. Should this occur it would be at the expense of the seed-capsule, eventually causing it to dry up before the seeds had fully developed. Under normal conditions it takes the seeds from 12 to 14 months to ripen, indicated by the yellowing of the capsule. A piece of silk paper is then tied around it to prevent the loss of seeds, usually the heaviest and best, by being scattered about in the event of its bursting open. In tightly closed glass tubes, kept on a dry place, the seeds will hold their vitality for over a year, but it is advisable to sow them as soon as gathered. The seeds from such species as lælia, cattleya and a few others are sown in pots, three-fourths filled with moss and polypodium in equal proportion, kept moist from underneath by being placed in vessels with water from time to time. Seeds of oncidium, odontoglossum and like species are started in the live moss about the old pots of their parent plants. The necessary orchid-mycelium is obtained by artificial culture. In case there is not enough of it at hand just when needed, sound roots, cut into minute pieces, spread on a cloth and on these the seeds, answers the purpose as well. The seedlings, after having developed two leaves, are potted up, moss and polypodium being used for nearly all species. In their first stages of growth no intermission in active advancement must take place, a period of rest not being required for the welfare of young seedling orchids. The temperature throughout this time should at night never fall below 55° nor rise on fine days above 75°. An evenly maintained moisture, the frequent use of a fine sprayer and shade during summer are essentials to success with orchids raised from seed and yet in their infancy.

HOT WATER AS AN INSECTICIDE.—Systematically conducted experiments with hot water by Prof. Dr. H. Mayr, chiefly to learn its effects on the living tissue of plants, led to the disclosure of interesting data, submitted to the Bavarian Society of Horticulture at its meeting held in October, 1907, at Munich. The extreme limit in the height of temperature to which water coming in contact with plants, may be heated without causing death or harm to their cells, the professor has found to lie at 125° Farenheit. Water heated to any degree below and up to this point, even if in closest proximity to the danger mark, brought no injury whatever to any part of the most tender of living plants, immersed for several minutes. All species of plants were drawn upon and furnished subjects for thorough-going tests. Neither the rigidly frozen brought in from the hardy plant border and suddenly dipped into the hot fluid and held there for minutes, nor the most fragile of tropical plants from the greenhouse, similarly treated, showed any traces of having even to the smallest extent been harmed thereby. Prof. Mayr states, that, although on being withdrawn from the hot water the plants appeared to be limp and washy as if cooked, they quickly recovered, and while still held in the hand and contemplated with regret by the frightened experimeter, they straightened up and regained their former sprightliness, seemingly much improved in actual vigor by having undergone the unwonted ordeal. Of greater import, however, to practical horticulture is the fact, as established in the course of these tests, that while plants not only survive but apparently seem benefited by being immersed for a couple of minutes in water heated to within 125°, all insect life of whatever species or stage of development, so dealt with, must perish. It was shown that water of a temperature of barely 100° proved instant death to soft bodied insects such as all kinds of aphis, red spider, thrips and caterpillars, their grubs and larvæ, while 10° or 15° higher meant certain destruction to every living insect or its brood belonging to the various tribes of scale and bugs infesting plants. By placing the pot of a plant in hot water for a few moments the warmth thus imparted to the ball of roots, does not injure these in the least, but instantly drives every worm contained in the soil to the surface to meet its doom in the death-dealing flood. Where the dipping of plants or their insect-ridden branches is impracticable, as in the case of large specimens, outdoor trees and shrubs, the syringe becomes a means of sending hot water to every part of such plants and repeated application frees them of the most tenacious of pests. Trees in a leafless or dormant state are not hurt by water heated to a much higher degree than is necessary for the destruction of every insect or its hibernating larvæ.

Wire **DEAMUD**
your wants.

J. A. BUDLONG
37-39 Randolph Street, CHICAGO.
Roses and Carnations A Specialty.....
WHOLESALE GROWER of **CUT FLOWERS**

Chicago.

MANY ADVANCE MEMORIAL DAY ORDERS.

Stock has not been up to the standard and demand has been exceedingly slow. The only redeeming feature of the market has been the receipts of liberal advance orders for Memorial day. Thrips and hot weather have had a demoralizing influence on flowers. Carnations have been soft and of poor color. Lawson suffered the most, few good colored being seen. It has been almost impossible to ship such flowers to any but comparatively nearby points with any assurance of their arriving in anything like salable condition. Roses were also affected, but it was possible to secure some fairly good material from the great quantities on hand. In both roses and carnations there have been big gluts, but good shipping carnations were in good demand whenever they could be found. Peonies have been coming in more freely than was expected a week ago. Cape jasmine is in good supply with fairly heavy orders on this item for Memorial day. Outdoor lily of the valley is good in quality and in fair demand. Ferns are in better condition and supply than usual at this season of the year. Other green stock is also fairly abundant.

JUNE WEDDINGS AND COMMENCEMENTS.

June weddings and school closings are next in order and already some very satisfactory advance orders have been received for such occasions. Fortunately orchids are in fairly good supply. Cattleya Mossiae is coming in freely and C. gigas has made its appearance. Lily of the valley, both indoor and outdoor, is in good supply and of excellant quality. Green stock, such as Asparagus plumosus and A. Sprengeri, is in good supply and the demand for such occasions is excellent.

THRIVE ON COMPETITION.

In the half mile on Sixty-third street between Wentworth avenue and Halsted street there are no less than four florists, all undoubtedly doing a thriving business and all seeming to relish nearby competition as the life of trade. First comes the store of A. I. Simmons, who is now rapidly improving and expected home within a few days. Wm. Weil, 427 W. Sixty-third street, reports a good season's business in both cut flowers and plants. Geo. Walther, 535 W. Sixty-third street, has glass of his own at 6436 Lowe avenue, where he grows a miscellaneous line of plants for his own trade. Nearer Halsted street (826 W. Sixty-third street) is E. C. Moore's latest branch, and in spite of the established business of other retailers seems to be getting its share of business.

Zech & Mann
Wholesale Florists
Room 218, 51 Wabash Ave., CHICAGO
Telephone, Central 3284.

NOTES.

Among the orders taken by A. Lange last week was one for a 9-foot column, made of white carnations with a garland of Killarney roses and lily of the valley. The base was of green galax, Gladiolus Blushing Bride and Easter lilies.

Fred T. Ewert, formerly connected with J. A. Budlong's sales department, has taken over the store of Clarence Smart at 6321 Cottage Grove avenue. He reports a very good business for the two weeks he has had possession.

The Geo. Wittbold Co. is meeting with a lively call for plants. The nursery at Edgewater has been particularly busy, and now the demand for bedding and decorative stock is exceptionally heavy.

James Bombenger, 446 Sixty-fourth street, appears to be doing a nice business, and the quality of the stock now to be seen in his show and greenhouses amply warrants a good spring trade.

C. Penshorn, 1331 W. Sixty-first street, one of the old landmarks in local floriculture, notes the twenty-fifth anniversary of his location at that place.

H. A. Muir, a brother of J. T. Muir of 3530 Michigan avenue, is manager of J. B. Opitz's branch store just opened at 6643 Cottage Grove avenue.

Frank Oechslin reports a busy season with ferns and bedding stock, having sent out last week from 10,000 to 15,000 plants per day.

C. N. Thomas is back from his Pennsylvania farm to help out during the Decoration day rush at the A. L. Randall Co.

Vaughan & Sperry have a new refrigerator, 8x10 feet and 10 feet high, built by Orr & Lockett.

Wm. E. Fessler reports a good business at his new location, 1603 W. Thirty-fifth street.

C. B. Chase, of 2205 Michigan avenue, says he will open a down-town store next fall.

N. C. Moore & Co. already have indoor asters in bloom.

(CONTINUED ON PAGE 940.)

Kennicott Brothers Company,
WHOLESALE
CUT FLOWERS.
48-50 Wabash Ave.,
CHICAGO.

Peonies
Now
Price
6 to 8 Cents.

We will have anything in the line of
Cut Flowers and Greens
that you may want if anybody has at Chicago market prices on day of shipment.

KENNICOTT BROS. CO.
L. D. PHONE, CENTRAL 466.
48-50 Wabash Ave., CHICAGO.

LAST CALL FOR DECORATION DAY

MEMORIAL DAY PRICES ON CUT FLOWERS.

ROSES—American Beauties	Per doz.
Select	$ 3.00 to $ 4.00
Medium	1.50 to 2.50
Short	75 to 1.00
	Per 100
Richmond	$ 4.00 to $10.00
Killarney	4.00 to 10.00
Bride, Bridesmaid, Kaiserin	4.00 to 8.00
Golden Gate	4.00 to 8.00
Perle	4.00 to 8.00
Good Seconds	5.00
Our Selection, assorted	4.00
Carnations, Extra select	4.00 to 5.00
Average quality	3.00

Our supply of Carnations consists of all the new and standard varieties, also novelties.

Miscellaneous.	Per 100
Cape Jasmines, in large quantities	$ 1.00
Peonies, red, pink, per doz. 75c.	$ 5.00 to 8.00
" white, per doz. $1.00	
Valley, extra select, indoor	4.00
" " outdoor	3.00

Miscellaneous.	Per 100
Mignonette	$ 5.00 to $8.00
Marguerites	.75 to 1.00
Forget-Me-Nots	.75 to 1.00
Pansies	.50 to .75
Callas	10.00 to 12.00
Harrisii and Longiflorum	10.00 to 12.00
Sweet Peas	.75 to 1.00
Gladioli, mixed colors, per doz. $1.50	10.00
Tulips	2.00 to 4.00
Decorative Stock.	
Ferns, Adiantum	$ 1.00
Common Fancy, subject to advance, per 1000 $2.00	
Ivy Leaves, per 1000 $5.00	.60
Galax Leaves, Green, per 1000 $1.00	.15
" " Bronze, per 1000 $1.00	.15

Asparagus Plumosus, select strings each, 35c to 50c; sprays, bunch, 50c. **Sprengeri,** doz. 25c to 50c. **Boxwood,** bunch, 35c; per 100 lbs., $15.00. **Smilax,** select, per doz., $2.00.

Subject to change without notice.

Send Us Your Hurry Up Orders.

Write, Wire or Phone

and we will make prompt shipment and fill your orders in such a way that you won't be disappointed.

Remember, we have a full line of

All Seasonable Supplies for Decoration Day.

OUR BLOOMING PLANT LIST FREE

E. F. WINTERSON CO.,

45-47-49 WABASH AVE.,
Wholesale Cut Flowers and Florists' Supplies,
Long Distance 'Phone Central 6004.

Chicago

For Weddings and Commencements

CUT FLOWERS AND SUPPLIES.

We are Headquarters.

E. H. HUNT

——SEND FOR PRICE LIST.——

76 Wabash Avenue, CHICAGO.

E. C. AMLING

THE LARGEST, BEST EQUIPPED, MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.

32, 34, 36 Randolph Street, CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Poehlmann Bros. Co.

Wholesale Growers of and Dealers in **Cut Flowers**

All telegraph and telephone orders given prompt attention.

Greenhouses: MORTON GROVE, ILL.

35-37 Randolph St. CHICAGO.

WEILAND - AND - RISCH

Wholesale Growers and Shippers of CUT FLOWERS

59 Wabash Ave., CHICAGO.

'Phone Central 879.

Write for our wholesale price list.

WHOLESALE FLORISTS

Wholesale Flower Markets

CHICAGO May 27.

Rose, Beauty, extra fancy	4 00
" " 24 to 30-in. stems	3 00
" " 12 to 20-in. stems	1 50@ 2 00
" " Short stems	1 00
" Killarney	6 00@12 00
" Bride, Maid, Ivory Gate	4 00@ 6 00
" Liberty, Richmond	4 00@ 8 00
" Chatenay, Perle	4 00@ 6 00
Carnations	1 50@ 3 00
Violets	40@ 50
Lilium Harrisii, per doz.	1 00@ 1 25
Callas, per doz.	1 00@ 1 25
Lily of the valley	2 00@ 4 00
Gladiolus, per doz.	1 50@ 2 00
Peonies, per doz.	50@ 75
Snapdragon, per doz.	50@ 75
Sweet Peas	50@ 2 00
Pansies	75@ 1 50
Daffodils	2 00@ 3 00
Tulips	2 00@ 3 00
Iris, blue	5 00
" white & yellow	3 00
Narcissus, poeticus, double	2 00
Jasmine, Cape	2 00
Cornflowers	60@ 75
Daisies, white	75@ 1 00
" yellow	1 00@ 2 00
Smilax, per doz	2 00
Asp. Plu. & Sprengeri, bunch	50
Asparagus strings, each	50
Adiantum, per 100	75@ 1 00
Leucothoe sprays	60@ 75
Ferns, per 1000	2 50
Galax, green, per 1000	1 00
bronze, per 1000	1 00
Boxwood, per bunch	35

OTTAWA, ILL.—Mrs. Fred King will move her stock of plants to a shop on Madison street. She will begin business there about June 1.

Chas. W. McKellar

51 Wabash Ave. CHICAGO.

ORCHIDS

A Specialty

Fancy Stock in **VIOLETS, VALLEY, ROSES, BEAUTIES, CARNATIONS** and a full line of all **Cut-Flowers, Greens, Wire-Work** and **FLORISTS' SUPPLIES.**

Send for Complete Catalogue.

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.

Vaughan & Sperry,

Wholesale Florists,

56 and 80 Wabash Ave., CHICAGO.

WRITE FOR SPECIAL PRICES.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

TELEGRAPH

OR PHONE US YOUR LATE DECORATION DAY ORDERS.

We are in extra heavy crop through our whole place

Roses, Carnations, Valley, Greens and Other Stock

FROM 1,500,000 FEET OF MODERN GLASS.

DECORATION DAY PRICE LIST

RED	Per doz.
American Beauty, long stems	$ 4.00
30-in. stems	3.00
24-in. stems	2.50
20-in. stems	2.00
15-in. stems	1.50
12-in. stems	1.25
Short stems	$ .75 to 1.00

	Per 100
Richmond, Liberty	$ 4.00 to $ 8.00
WHITE—Bride, Ivory	4.00 to 6.00
YELLOW—Perle	4.00 to 6.00

	Per 100
LIGHT PINK—Uncle John, Golden Gate	$ 4.00 to $ 6.00
PINK—Mme. Chatenay	4.00 to 8.00
Bridesmaid	4.00 to 6.00
Mrs. Marshall Field, Killarney	6.00 to 10.00
COPPER COLOR—Sunrise	4.00 to 6.00
Roses, our selection	4.00
Carnations	4.00
Easter Lilies	8.00 to 12.00
Callas	8.00 to 12.00
Valley, fancy	3 00 to 4.00
Extra Fancy Asp. Plumosus, per bunch	.50 to .75

PETER REINBERG,

51 Wabash Ave., CHICAGO.

Chicago Notes.

CONTINUED FROM PAGE 938.

J. C. Wintermeyer's box factory, 750 Throop street, whence many of the wholesale florists have obtained their boxes, was totally destroyed by fire May 21. Mr. Wintermeyer himself was badly injured, having been compelled to jump from a window on the second floor.

There has been a very heavy call for the new red carnation Orland P. Bassett on Decoration day orders, and Bassett & Washburn have had to cut nearly all orders in two. This popular variety will be disseminated next season.

L. Baumann & Co. report having done a big business in Decoration day supplies. Their stock of preserved wreaths and metal designs is now nearly closed out.

Miss L. A. Tonner, manager of the A. L. Randall Co.'s supply department, has been confined to her home with bronchitis.

The Kennicott Bros. Co. is now receiving some exceptionally fine peonies, their quality having greatly improved.

Zech & Mann are handling some exceptionally fancy Enchantress carnations and outdoor lily of the valley.

C. W. McKellar is now receiving some fine Cattleya gigas. C. Mossiæ is also being received in liberal lots.

Chas. J. Strombach, landscape gardener and designer, is now located at 223 Ninth street, Wilmette.

J. A. Jegen is now at 113 Dearborn street.

Visitors: J. J. Soper, wife and daughter, Rockford; Wm. Feniger, Toledo, O.; J. A. Peterson, Cincinnati, O.; R. J. Groves, Adams, Mass.

FINDLAY, O.—Employes of the city are engaged in fixing up Cory park, the popular beauty spot of South Cory street.

Davenport, Ia.

Plant trade is now in full swing, and for the past two weeks the florists have had all they could do. Business is up to last year, and, owing to the very disagreeable weather we have been having, everything has to be done in a very short time, as of course everybody wants their plants out by Decoration day. The boys are having a hard time getting out the stock plants for between showers everybody available is busy waiting on customers. More 4-inch and 5-inch stock is being sold this spring than usual owing perhaps to the lateness of the season. Very few flowers will be in bloom outdoors for Decoration day. Snowballs, spireas, etc., will be done or nearly so and peonies will not be in, so carnations, roses and lilies will have a fair price. Indications point to a banner day May 30.

The May meeting of the Tri-City Florists' Club took place at Turner Hall, Rock Island, on the evening of May 21. Owing to the spring rush a small number were in attendance, nevertheless a very interesting meeting was held. A committee consisting of Henry Gaethje (chairman), A. Andersen and Theo. Ewoldt was appointed to make arrangements for the annual picnic which will be held in the early part of July. The invitation to meet at the home of Ewoldt Bros., in June, was accepted. This will be the annual strawberry feed which Theo. Ewoldt tenders the club. After the evening topic, "Best and Most Profitable Flowers to Grow for the Decoration Day Trade," was discussed the club adjourned to the dining room where a fine luncheon was in waiting for the tired and hungry guests.

Harry Bills who was on the sick list is able to be around again.

Friends of the late Wm. Scott in this city were grieved to learn of his death.

T. E.

Phormium Tenax.

The following report has been prepared by Consul Robert P. Pooley, of Jamestown, St. Helena, for the information of those who might be interested in the establishment of the phormium (New Zealand flax) industry in the United States:

For a successful start in the phormium industry the services of a New Zealand expert should be secured. Plants should be raised from suckers, planted six feet apart, 1,250 to the acre, clear of trees. Plants grown under trees look as good as others, but the fiber is weak. Plenty of sun is necessary. The plants must be fenced against cattle and goats, but sheep do not eat the leaves. Growing from seed is a tedious process, as the young seedlings, being very delicate, require constant care lest they be soon destroyed by grubs.

It is hardly possible to calculate the acreage under phormium in St. Helena. With the exception of about 300 acres planted with suckers in the last two years the plants in the island have existed for the last 30 years. There are probably sufficient mature leaves to supply the government mill, which consumes from 90 to 100 tons monthly, for three or four years, the object being to make this available supply last until the suckers put down last year are fit for reaping. Leaves, under favorable conditions, are ready for reaping four years from the planting of the suckers. In three and one-half years there will be sufficient phormium in St. Helena to supply three mills. A 15-acre drying and bleaching grass field adjoining the mill is necessary. About 35,000 gallons of water, running through the mill, are used daily, as thorough washing, drying and bleaching are essential to obtain good fiber.

FOR MAY AND JUNE WEDDINGS we offer extra select Lily of the Valley, Bride and Bridesmaid Roses, and of course a full line of all seasonable Cut Flowers and Greens. Try us. We have the stock and can take care of all orders.

HOLTON & HUNKEL CO.

462 Milwaukee Street, MILWAUKEE, WIS.

The Best Equipped Wholesale House in the West.

We also carry a full line of **FLORISTS' SUPPLIES.** Would like to send you a catalog. Drop us a postal

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations and all kinds of Seasonable Flowers in stock.

WM. F. KASTING CO. Wholesale Commission Florists.

BUFFALO, N. Y.

Florists' Supplies and Wire Designs.

—THE—

J. M. McCullough's Sons Co.

Wholesale Commission Florists.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Columbus, O.

A GREAT SEASON.

There is promise of plenty of peonies for Decoration day, and the price will be very reasonable. Great numbers of these flowers are disposed of every year at this time, as they make a good showing and are suitable for grave decoration. This will undoubtedly prove to be the greatest spring season in the history of local florists. Every one is busy, and all have one aim, namely, to finish all planting by Decoration day.

NOTES.

Fifth Avenue Floral Co. and Livingston Seed Co. both had very tasty booths at the exhibition at the Auditorium last week. Cut flowers, plants and vases and window boxes combined to make a very pretty display.

Livingston Seed Co. has displayed in the window, a large B. of L. E. monogram of immortelles, in honor of the B. of L. E. convention being held in this city.

CARL.

MANCHESTER, N. H.—Bids for the placing of flowers in the parks and commons of the city have been called for by the street and park commission, contrary to the custom of former years of dividing up the work among the several florists of the city, who had anticipated the same this year. They were surprised, it is said, on receiving the call for bids a few days ago. Several of the florists had gone to the expense and trouble of ordering the plants, expecting they would go right ahead with the work as in former years.

Wholesale Flower Markets

BUFFALO, May 27.

Roses, American Beauty	3 00@25 00
" Bride, Bridesmaid, Meteor	3 00@ 8 00
Carnations	1 50@ 4 00
Lily of the valley	2 00@ 4 00
Smilax	15 00
Adiantum	50@ 1 50
Lilies	8 00@12 00
Galax, per 1000	$1 50
Ferns, per 1000	2 00
Mignonette	1 00@ 2 00
Daisies	1 00@ 2 00
Sweet peas	40@ 75
Tulips	1 00@ 2 00
Daffodils	1 00@ 2 00
Asparagus Sprengeri, per bunch	25 50
Asparagus plumosus, per bunch	25@ 50
Lily of the valley (out door)	50@ 1 00

CINCINNATI, May 27.

Roses, Beauty	$1 00@$ 4 00
" Bride, Bridesmaid	3 00@ 6 00
" Richmond	3 00@ 6 00
" Golden Gate	3 00@ 6 00
" Ivory	3 00@ 6 00
Carnations	1 00@ 3 00
Lily of the valley	2 00@ 3 00
Daisies	50
Callas	10 00
Harrisii	12 50
Smilax	12 50@15 00
Asparagus plumosus and Sprengeri in bunches, per bunch, 25c	
Eastern Ferns, per 1000	$2 00
Galax, Green and Bronze	$1 00
Iris	2 00
Peonies	4 00
Sweet Peas	50

ST. LOUIS, May 27.

Roses, Beauty, long stems	2 50@ 3 00
" " medium stems	1 50@ 2 50
" " short stems	4 00@10 00
" Bride	2 00@ 5 00
" Bridesmaid	2 00@ 5 00
" Chatenay, Richmond	2 00@ 5 00
" Killarney	2 00@ 5 00
Carnations, common	1 00
" best	1 00@ 1 50
Smilax	12 50
Asparagus Sprengeri	1 00@ 2 00
" cut sprays	1 00@ 2 00
Ferns, fancy, per 1000	$2 25
Lily of the valley	3 00
Callas	6 00@10 00
Sweet peas	20@ 50

MILWAUKEE, May 27.

Roses, Beauty	75@ 3 00
" Liberty, Chatenay	3 00@ 6 00
" Bride, Bridesmaid	3 00@ 6 00
" Meteor, Golden Gate	3 00@ 6 00
" Perle	4 00@ 6 00
Carnations	1 00@ 3 00
Smilax, per doz.	$2 00
Asparagus, sprays	3 00
" Sprengeri	2 00@ 3 00
Lily of the valley	3 00
Adiantum	1 50
Common ferns, per 1000	$2 00
Harrisii lilies, per 100	$6 00@ 8 00
Tulips	2 00
Daffodils	2 00
Sweet peas	50@ 1 00

Our New Quarters

GIVE US A TRIAL

Buffalo Cut Flower Co.

495 Washington St.,

BUFFALO, N. Y.

We handle **carnations, roses** and all other kinds of **seasonable flowers** at all times also **wire designs** and **florists' supplies.**

Long Distance Phone

Frontier 3607 Bell, Seneca 3762

RICE BROTHERS

Wholesale Florists and Supplies,

115 N. 6th St., MINNEAPOLIS, MINN.

CUT FLOWERS received twice daily. Can fill your orders to your satisfaction. Also headquarters for **Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns.** Prices quoted on large quantities.

C. A. KUEHN,

Wholesale Florist,

1122 Pine St., **ST. LOUIS, MO.**

A Complete Line of Wire Designs

Weiland & Olinger,

128 E. Third St., CINCINNATI, OHIO.

Wholesale Growers and Shippers of Cut Flowers.

Greenhouses, NEW CASTLE, IND.

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WHOLESALE FLORISTS.

Bell, Main 2018. Kinloch, Cent. 410.

1316 PINE St., ST. LOUIS, MO.

H. G. BERNING,

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

MINNEAPOLIS, MINN.—Jas. Souden & Co. are making use of some very attractive circular matter. Their Easter blotter is quite original and their graduate girl circular should attract business.

WEDDINGS AND COMMENCEMENTS

We are prepared to fill all orders. Finest Peonies, Valley, Roses, Plumosus, and all other seasonable flowers and greens.

In the Supply Dept.: Cycas Wreaths, Magnolia Wreaths, Moss Wreaths, Cemetery Vases and everything else you need. Ribbons, Chiffons, Baskets. SEND US AN ORDER FOR WIRE WORK.

A. L. RANDALL CO., Wholesale Florists,

L. D. Phone Central 1496. Private Exchange all Departments

19-21 Wabash Avenue, CHICAGO.

New York.

WEATHER HINDERS TRADE.

A week of rain and generally dismal weather has put the cut flower market in a worse condition than ever. The continued dark and wet weather had a bad effect on the quality of stock, sweet peas being particularly hard hit. Bedding out, and consequently the plant trade, has also been seriously interfered with by the excessive rains. Around the markets and plant auction houses there have been good stocks of plants but toward the last of the week selling them was slow work. Considering that there has been practically no sunshine for a week the quantity of stock arriving is large, the weather apparently having had more effect on quality than in cutting down the supply. There are quite a number of peonies coming in but thus far, very few good ones have been seen. Of other outside stocks, the irises, tamarix, deutzias and water lilies are lending variety to the offerings.

May 25.—The dark weather of the past week has had a marked effect on the quality of stock arriving to-day, roses in particular being soft and poor. American Beauty has fallen off in price, lots of 100 or more going at $12 per 100. Sweet peas are very poor in quality and going very slow, and the same is true of peonies.

THE ASSOCIATIONS.

The writer has heretofore refrained from any extended comment on the rumors freely circulating, about associations in the trade. For some time there has been talk of a Growers' Association which is now in existence; a Wholesalers' Protective Association was likewise formed some time ago. The latest rumor is of a Retailers' Association. Anything that by fair means will improve the cut flower situation should be welcomed by all branches of the trade for present conditions are not encouraging; but, if each and every branch of the business is organizing for warfare on its co-ordinate branch, disaster is bound to overtake all. Well managed associations of business men are always in order and proper and the first steps taken by such bodies should be to reform the abuses that exist in their own ranks, then move on the enemy. The stress of hard times has sometimes driven men in all lines of business to do what under better conditions they would never have considered. Let us hope that, throughout this period of depression, worry and turmoil, those most concerned will keep their heads and give serious thought to the causes rather than grow fiercely excited over the effects.

NOTES.

A well known retailer of this city recently called on a Baltimore retailer to fill an order for him in that city of one dozen American Beauty roses. When he received the bill it read: "To one dozen American Beauty roses, $6; to American Beauty ribbon, $3." While some talk has floated around the country about New York grafters, the man who received the above bill does not believe that any of them were ever capable of charging $3 for enough ribbon to tie a bunch of American Beauty roses, and we agree with him.

The Fruit Auction Co., of Franklin and Washington streets, has thus far handled vast quantities of plants at the daily auction sales and has apparently made an unqualified success of its venture in the plant line. The auctions are well attended by representative florists and dealers generally and the company has satisfied its critics that daily sales are needed in the metropolis. From present indications, the sales of foreign bulbs, etc., next autumn will be unprecedented.

Myer, the retailer of Fifty-eighth street and Madison avenue is keeping his large show windows very handsomely decorated. One of his latest is a woodland scene where a rustic summer house has been erected on a hillside thickly studded with evergreens, heather, ferns and wild flowers. At the foot of the hill is a pond where ducklings, turtles and other lovers of the water enjoy themselves.

Geo. Allen, son of J. K. Allen, and Abraham Jacobs, both of whom are salesmen in Mr. Allen's wholesale store, recently acted as best men at the wedding of Samuel Jacobs to Miss Erma Loft. Samuel and Abraham Jacobs are brothers.

The news of the death of Wm. Scott, of Buffalo, came as a shock to many of his friends and acquaintances here. While it was known that he was in poor health the sudden and fatal termination was unexpected.

A. Kakuda, formerly grower for the Hinode Florist Co., Whitestone, L. I., has accepted a position with the Yokohama Nursery Co. as traveling salesman and will make his maiden trip through the south.

A noteworthy feature at H. E. Froment's, in addition to his large regular stock of roses and other greenhouse flowers, is a splendid line of irises.

There will soon be quite an exodus to Newport, and the retailers who also have stores there are making preparations to meet the demands of society.

The New York Cut Flower Co. has posted a notice that after June 1, its day's business will close at 3 p. m.

A. H. Langjahr is handling fine American Beauty roses and is first in the market with water lilies.

A. J. Guttman is getting nicely settled in his large new store in the Volunteer building.

Young & Nugent have a very handsome show window made up of tamarix and iris.

Hartford, Conn.

The regular meeting of the Connecticut Horticultural Society was held in the County building, May 22, President Huss occupying the chair. It was pansy night and the members did well as the display was by far the best ever offered in this locality and the attendance so taxed the capacity of the hall that there was barely standing room. P. Zuger, H. A. Pinney, and C. Peterson were appointed judges and the following awards were made: T. B. Brown, diploma for culture of pansies; J. Gerard and O. F. Gritzmacher, certificate of merit each for collections of pansies; J. T. Huss, A. Reynolds, and E. T. McDermott each received a hearty vote of thanks for their exhibits.

The feature of the evening was a paper read by John Gerard on "The History And Culture of The Pansy," giving the history and origin of the various families, and describing the improvement of this popular spring flower in a most entertaining way. Mr. Gerard is making an enviable record as a pansy specialist and in the course of his remarks gave many cultural hints which were highly appreciated by the members. A magnificent collection of gloxinias was exhibited by J. Chambers, gardener to the Rev. F. Goodwin, which gave every evidence of cultural skill and was awarded a certificate of merit. It was the unanimous opinion of the members present that these were the finest gloxinias ever exhibited by any member of the society. P. Zuger represented the Park Department with a display of Silene pendula, which is used most effectively in the various parks for bedding purposes. A. C.

Buffalo.

LITTLE PLANTING DONE.

Trade the past week has been rather quiet and weather conditions bad, rain falling nearly every day. Outdoor work has been retarded consequently and greenhousemen are not happy, Memorial day coming on and very little planting done so far. The two good days we have had has brought all the people out and they want their veranda boxes filled, lawn vases placed and all their work done in a hurry, so drummers keep away from the greenhouses. Stock in the stores is still plentiful and of fair quality. Outdoor tulips are on sale, but not in quantities, owing to the rainy weather. The first lilacs were brought in on Thursday and were very good. The first week in June gives promise of a very busy time. A number of weddings are scheduled and should keep several of the florists very busy.

A. J. Reichert, Wm. C. Buechi and Collins & Forbach, are rushed now with cemetery work. The number of vases filled by these firms are more than for any other cemetery in the city. The Wm. Scott Co. and D. Newlands & Son and S. A. Anderson have a great many for Forest Lawn, but the number of cemeteries at Pine Hill give the Pine Hill men a monopoly. R. C. Avery at West Seneca is practically alone in that territory and does nearly all the work for Holy Cross cemetery.

The Lenox Flower Shop, the name of J. Roland Cloudsley's new place, opened for business May 23 with a good trade. Roland has fitted up the shop very prettily with several nice mirrors and a good ice box which is an attraction. The conservatory in the rear he expects to have stocked with a fine lot of flowering and decorative plants, such as are called for constantly in a downtown store.

The new office of city forester has been created and under the supervision of the park commissioners there are a number of applications for the position, which will be announced next week. The position is important and we trust a good competent man will get it.

S. S. Skidelsky, of Philadelphia, Pa., was a visitor May 23.

J. F. Cowell was called east May 20.

Traendly & Schenck,
WHOLESALE FLORISTS,
44 West 28th Street, Phones, 798 and 799. New York City.

Alexander J. Guttman,
THE WHOLESALE FLORIST OF NEW YORK
43 WEST 28th STREET
PHONES, 1664-1665 MADISON SQUARE
ENOUGH SAID

J. K. ALLEN, Wholesale Commission Florist.
Consignments Solicited.
Open every day at 6:00 a. m. Telephone, 167 Madison Square.
106 W. 28th Street, NEW YORK CITY.

—FLOWERS SHIPPED BY—
JOHN I. RAYNOR
Are the best product of the best growers for the New York Market.
Adiantum Croweanum sold here exclusively.
49 W. 28th St., NEW YORK.
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ALFRED H. LANGJAHR
WHOLESALE FLORIST,
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All flowers in season. Consignments of first-class stock solicited.
Telephones, 4626 and 4627 Madison Sq.

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Receivers and Shippers of
Fresh Flowers
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Telephone 3870-3871 Madison Square.

Tel. 1009 Madison Sq. Established 1872
PERKINS & NELSON,
Wholesale Florists,
57 West 26th Street, Cor. 6th Avenue NEW YORK.

Canandaigua, N. Y.

Botanizing expeditions are the fad here nowadays. The objective point of most of the amateur botanists is Mertensia, a small hamlet on the line of the Auburn road, about seven miles from the city. Here are found in profusion the delicate bluebells, or mertensias, from which flower the village takes its name.

Bluebell Island is situated a half mile northwest of the station, in a most picturesque spot. It is called an island by courtesy, because at its upper end Mud creek separates into two small streams, which encircle that particular four or five acres on which are found myriads of the rare and beautiful blossoms at this, the height of the wildflower season.

Here are wood anemones, trilliums, jacks-in-the-pulpit, and violets in three colors, blue, white and yellow, while ferns of various varieties abound. In short it is a vertiable botanist's paradise, while in the rocks about, geologists find much to interest, and the amateur photographer or the water colorist would be enraptured over the scenery.

CHESWICK, PA.—George McRae, aged 68, died May 15, after a short illness, due to old age. He was born in Scotland and had lived here with his family for the last two years. He leaves a widow and several children.

Charles Millang. August Millang.
MILLANG BROS.
Wholesale Commission Florists,
41 West 28th Street, Telephones 3860-3861 Madison, New York.

Wholesale Flower Markets

NEW YORK May 27.

Roses, Beauty, special	12 00@15 00
" " fancy	8 00@10 00
" " Nos. 1 2 and 3	50@ 6 00
" Richmond	1 00@ 8 00
" Bride, Bridesmaid, Killarney	
Extra and Special	2 00@ 5 00
No. 1	1 00@ 2 00
No. 2	50
Carnations, fancy	1 50@ 3 00
" common	50@ 1 00
Lilies	1 00@ 2 00
Lily of the valley	1 00@ 3 00
Asparagus plumosus strings	25 00@40 00
" per doz. bunches	2 00@ 3 00
Smilax	8 00@10 00
Cattleyas	50 00@60 00
Gardenias	3 00@15 00
Callas.....per dozen	30@ 60
Mignonette	1 00@ 4 00
Jonquils	50@ 75
Sweet peas.....per dozen bunches	75@ 1 00
Tulips	50@ 75
Snapdragon	75@ 1 00
Stocks	50@ 1 00
Iris, English	1 00@ 2 00
" German	50@ 75
Lilac.....per bunch	10@ 25
Peonies....per dozen	25@ 1 00

J. Seligman. Joseph J. Levy.
John Seligman & Co.
WHOLESALE FLORISTS,
66 West 26th Street, NEW YORK.
Opposite N. Y. Cut Flower Co.
Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best Prices. Satisfaction guaranteed. Tel. 4878 Madison.

John Young
WHOLESALE FLORIST,
51 West 28th St., NEW YORK CITY
Long Distance Telephone, 4463-4 Madison Sq.

Cleary's Horticultural Co.
62 Vesey St., NEW YORK.
HORTICULTURAL PRODUCTS
WHOLESALE...AUCTION
Consignments, Quotations and Correspondence Solicited.
Sales every Tuesday and Friday.

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54 W. 28th St., NEW YORK. Consignments of Choice Cut Flowers Solicited. Prompt payments. Give us a trial. Telephone 3559 Madison Square.

Moore, Hentz & Nash,
Wholesale Commission Florists
55 and 57 West 26th Street,
Telephone No. 756 Madison Square. NEW YORK.

HORACE E. FROMENT
WHOLESALE COMMISSION.
American Beauty Roses a Specialty. Roses, Violets, Carnations, Valley, Lilies, Etc.
57 West 28th St., NEW YORK CITY
Telephones: 2200 and 2201 Madison Square.

Walter F. Sheridan
WHOLESALE FLORIST,
Telephones: 3532 and 3533 Madison Sq.
39 West 28th St., NEW YORK

Young & Nugent,
Telephone, 2065-2066 Madison Sq.
42 West 28th St., New York
To out-of-town Florists: We are in the Heart of
And give Special attention to Steamer and Theater orders. Prompt deliveries and best stock in the market.

N. Y. Cut Flower Exchange
Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable Wall Space to Rent for Advertising.
V. S. DORVAL, Secretary.

Samuel A. Woodrow
WHOLESALE
PLANTSMAN AND FLORIST,
53 W. 30th St., NEW YORK.
Out of Town Orders a Specialty.
Telephone 2083 Madison. Consignments solicited

Buyers of Cut Flowers

Will find a reliable source of supply in dealing with

THE LEO NIESSEN CO., Wholesale Florists, **1209 Arch St., Philadelphia, Pa.**

Philadelphia.

GOOD SWEET PEAS SCARCE.

The continued wet weather of the past week greatly injured the sweet peas. In many cases, shipments coming in were so badly damaged that they were at once thrown into the waste barrel. As these are quite a staple for the season, many orders had been taken for Saturday sales, for which substitutes had to be sent, as it seemed impossible to get good flowers on that day. The feature of the week was the influx of local peonies which are now here in quantity and are in good demand at from $4 to $6 per 100, with a few imported blooms bringing as high as $1.50 per dozen. American Beauty roses are plentiful and sell well at from $1.50 to $2 per dozen. The commencements are now in season and for several occasions the past week there was quite a demand, American Beauty roses having the preference. Carnations are also very plentiful and it would seem as if there will be enough for all demands for Memorial day. Last season carnations and peonies were at a premium, but it looks now as if peonies will be just at their height for this holiday. All kinds of tea roses are in full supply and the quality is still good. Shrubbery is now to be had in quantity; snowball, weigela and mock orange is coming in by the wagon load and sells very well. The bedding plant men are having a very busy time and believe they will sell out as well as usual, as there is an active demand for all the standard sorts. Geraniums were never finer. The price for 4-inch pot stock is from $7 to $8 per 100. At this writing the hot, sunny weather of the past two days has brought the peonies on with a rush and the commission houses are filling their storage boxes with flowers cut tight and accumulating a stock for the expected holiday demand. Many nice orders were booked on Monday and the outlook is favorable for a good trade.

NOTES.

R. G. Palmer of Doylestown was buried May 23. Deceased carried on business in Doylestown for a number of years, selling his product in the wholesale market of this city of which market he was the first treasurer. Some three years ago he sold his business and engaged with E. Bernheimer of this city, as a salesman, which position he resigned on account of his illness. Mr. Palmer was of a kindly disposition and was popular with the trade. He leaves a wife and three children.

John Shellem has a fine strain of Queen Alexandria daisy. A plant flowering a couple of years ago showed marked superiority over all others in the lot and the plants worked up from this appear to carry twice as many flowers as the original stock. The flowers are also very white and much more double. His peony field being protected on all sides, appears to come in about a week before the other local growers and he has been cutting since May 13, the height of the crop being now on.

The Leo Niessen Co. is expecting and has prepared for a large demand. This firm will handle peonies in 1,000 lots or more and thinks it will be able to supply these as well as all the other staples in quantities.

Wm. McKissick is strong on peonies, American Beauty roses, carnations and sweet peas. Decoration day business from out-of-town customers is coming in nicely. He is fully equipped for a large business.

John McIntyre has added an extra wagon, so as to handle the large shipments of peonies sent him daily from the Thorn Hedge Nurseries. They are of exceptional quality. K.

Boston.

PREPARING FOR MEMORIAL DAY.

The greater part of the past week has been devoted to preparing Memorial day requisites. Very little activity other than in this line of work is noticed. Market conditions insure successful results for shopkeepers provided we have anything like an ordinary season's trade. The usual stock is available in vast quantities and selling at customary prices. Coupled with this considerable outdoor stock is being received, all of which can be used to excellent advantage. Roses have suddenly shortened up except a lot of third-class stock which doesn't even appeal to the street vendors, and goes to the waste pile. Killarney and Richmond alone control the demand and both have advanced sharply in price. A shortage in these two specialties will no doubt be found, but this appears the one singularity of a singular season. An excellent crop of Fair Maid carnations is being cut by the local growers and though far superior to the greater part of the season's best are ridiculously cheap. The superiority of this carnation as a summer product is well known and has never been so well emphasized as now. Few other varieties have any value. White carnations, which are used in great quantities, are plentiful and cheaper than usual. A limited number of Lilium longiflorum and callas are displayed and maintain their standard prices. Gillyflower, feverfew and candytuft, considered indispensable for the requirements of the day, are found on every side and selling for prices which allow of but meager profit even for the growers.

NOTES.

Sydney Hoffman has added to the attractions of his store a handsome easel with an accompanying list of steamers sailing from this port and New York. The amount of flowers delivered to these traveling palaces is astounding and a bulletin of this sort is a decorative necessity with numerous practical advantages.

L. E. Small of Tewksbury is sending to market a distinctive strain of Fair Maid carnations with which variety he has long been identified. He is also distributing an excellent and easily marketable stock of cornflowers.

W. H. Elliott is assuming his position rapidly as the leading grower of Kaiserin in New England and is sending to market a fine assortment of this superb rose, as near perfection as it is possible to conceive.

John McFarland has anticipated the needs of the June market for lily of the valley and is thoroughly prepared for all demands with a magnificent crop. B.

READING, PA.—Irvin H. Anderson has taken charge of the old Brookside greenhouses and is remodeling the place.

GRAFTON, MASS.—Wallace A. Heskey, South street, has been awarded the contract to put Smith P. Burton's lawn and flower garden in good condition.

J. J. Harty & Company

Wholesale and Commission

FLORISTS.

1312 G St., N. W., Washington, D. C.

Phone Connection Main 5011

Rochester, N. Y., Park Notes.

The attendance at Highland Park, Rochester, N. Y., May 24, was estimated at from 20,000 to 30,000. The great drawing card, leaving the beautiful weather out of consideration, was the display of lilacs, which are at the height of their glory. The Highland Park lilac collection has achieved international recognition, and it can be truthfully said that the different individual specimens that comprise the large collection were never before so abundantly loaded down with their handsome floral clusters.

It was in the spring of 1892, that the park board purchased the nucleus of lilac varieties, with many other plants, for the general collections in Highland Park. The number of species and varieties in the collection is about 193, including a few that are now in the park nurseries. Nearly all the new varieties of lilacs are produced in Europe. A few have been raised in England and Germany, but the great majority of the most distinct and beautiful kinds have originated in France. The Lemoines, of Orleans, well known French nurserymen and hybridists, have raised and disseminated all of the handsome variously colored double flowering lilacs that many people are rapturous over. The park board, annually or every other year purchases from this firm what it has to offer in new kinds.

It should be said, however, that what is undoubtedly the second best single white flowering lilac, Princess Alexandra, was raised by a Canadian nurseryman, and the stock was obtained from this source by Ellwanger & Barry many years since. White flowering lilacs are extremely beautiful and are perhaps next to the red, or purple red, the most popular. Madame Legraye is considered by connoisseurs to be the best single white flowering lilac. The large petaled flowers are snowy white and the clusters are more lax than in Princess Alexandra. Madam Moser is a very free flowering single white form, with loose, abundant clusters.

Among double white flowering lilacs, Madame Lemoine is perhaps the most showy, but there are others that are close rivals. Miss Ellen Wilmott, a new variety, promises to be a fine form. Rabelais, Dame Blanche and Madame Casimir Perier are all beautiful. In the dark single flowering shades of lilacs, that is, from red to purple, and violet red, there are a number of beautiful forms. Ludwig Spath has long held sway as the best dark flowering variety, but there are others equally good. Congo has remarkably deep purple red flowers. Among new ones are Pasteur, Uncle Tom, Negro and Toussaint L'Overture, which are all fine forms. Two old varieties still hold their own, Aline Mocquery and President Massart.

There is a shade in lilacs which is somewhat hard to define, but it may be described as varying from rosy to silvery and creamy pink, and it is a fine expres-

Everything Seasonable.

PITTSBURG FLORISTS' EXCHANGE, —15— Diamond Sq., Pittsburg, Pa.

AMERICAN BEAUTIES
Lily of the Valley, Carnations and all Tea Roses,
In lots of one hundred to one thousand. Phone or wire us.
WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

GRAFTED AND OWN ROOT ROSES
KAISERIN, CARNOT, KILLARNEY, RICHMOND, LIBERTY, BRIDE and BRIDESMAID.
—Send For Prices—
W. H. ELLIOTT, BRIGHTON MASS.

Plenty of Peonies
One price to everybody. No sliding scale that works upward to out of town customers.
JOHN W. McINTYRE,
1601 Ranstead St., PHILADELPHIA.

CARNATIONS in quantity. Special prices on large orders.
ABSOLUTELY THE BEST POSSIBLE SERVICE.
W. E. McKissick
WHOLESALE FLORIST,
Business Hours 7 a.m. to 8 p.m. 1619-1621 Ranstead St., PHILADELPHIA, PA.

sion of delicate and refined colorings. Schermerhorni has creamy pink single flowers and is an old variety purchased from a Long Island nursery many years since. Perhaps the most distinct and beautiful in this range of colors is Lilarosa. Among other single flowering forms are Dr. Regel, Amoena. Furst Lichteinstein and Melide Laurent.

In a class near to the former range of colors, from rosy lilac to pink, are a number of beautiful double varieties. Count de Kerchove, is a handsome form, with a grayish pink effect. Emile Lemoine has the flowers very much imbricated and a delicate flesh rose color. Guizot and Madame Jules Finger are each distinctive. Among lavender and bluish shades there are a great many double flowering varieties. Monument Carnot has lavender bluish flowers with large clusters. President Grevy, Alphonse Lavalle and Michael Buckner are three old varieties that are still in the front. Marc Micheli and Doyen Keteleer have light bluish tints. There are however an immense number of varieties approaching these shades in the collection with slight, but distinct variations. In the single blue flowering lilacs, Colmariensis and Coerulea Superba are old varieties, and still two of the most distinct of this section.

Madison, N. J.

The May meeting of the Morris County Gardeners and Florists' Society was devoted to flowering shrubs, and three large groups of flowers arranged for effect gladdened our eyes. A. Herrington, Wm. Duckham and E. Reagan were the exhibitors; each variety was in a separate vase and the effect was most pleasing. F. & F. Nurseries, Springfield, had hardy azaleas in pots to help us out and John Downing, gardener to Dr. McAlpin of Morris Plains, had Regonia Gloire de Lorraine which had been five months in continuous bloom, in fine condition, just to show its keeping qualities. Arthur Herrington read a paper on "Flowering Shrubs" which was very entertaining and instructive. The next meeting will be the last one before our annual vacation. Frank Eskesen will read a paper on fern decoration, which will be illustrated by filled fern-dishes brought by him and other members. There will be also a display of hardy herbaceous flowers. The schedule for the fall show of October 29, 30 is nearly ready and we expect to put the finishing touches on this week. Three new members were elected. All are expected to work for the success of the show from now on. E. R.

J. B. Murdoch & Co.
714 Penn Avenue,
PITTSBURG, PA.
All Seasonable Flowers.

Pittsburg Cut Flower Co.
(Limited)
WHOLESALE FLORISTS
222 Oliver Ave. PITTSBURG, PA.

Wholesale Flower Markets

PHILADELPHIA, May 27.

Roses, Tea	4 00@ 6 00
" extra	8 00@10 00
" Liberty	6 00@25 00
" Beauty, extra	20 00@25 00
" " first	10 00@15 00
Carnations	1 50@ 3 00
Lily of the valley	2 00@ 3 00
Asparagus, bunch	50 00
Smilax	15 00@20 00
Adiantum	1 00@ 1 50
Cattleyas	50 00@60 00
Lilium Harrisii	6 00@ 8 00
Mignonette	2 00@ 3 00
Sweet peas	50@ 75
Gardenias	15@ 25

PITTSBURG, May 27.

Roses, Beauty, specials	30 00@35 00
" " extras	15 00@20 00
" " No. 1	10 00@12 00
" " ordinary	4 00@ 6 00
" Bride, Bridesmaid	2 00@10 00
" Chatenay	2 00@10 00
" Richmond	3 00@12 00
" Perle	4 00@ 6 00
" Killarney	4 00@10 00
Carnations	1 00@ 3 00
Lily of the valley	3 00@ 4 00
Smilax	15 00
Asparagus, strings	50 00
" Sprengeri	3 00@ 4 00
Lilies	12 50@15 00
Adiantum	1 00
Cattleyas	75 00
Sweet peas	50
Gladiolus	4 00@ 6 00
Iris Spanish	6 00
Gardenias, Cape Jasmine	2 00
Snapdragon	4 00

BOSTON, May 27.

Roses, Beauty, best	15 00@20 00
" " medium	10 00@12 00
" " culls	6 00@12 00
" Bride, Bridesmaid	1 00@ 2 00
" Extra	4 00@ 8 00
" Liberty	8 00@12 00
Carnations	1 00@ 2 00
" Fancy	2 00@ 3 00
Smilax	8 00@12 00
Adiantum	75@ 1 00
Asparagus	35 00@ 0 00
Harrissi	10 00@12 00
Callas	8 00@12 00
Daffodils	1 00@ 2 00
Narcissus	2 00@ 3 00
Sweet peas	50@ 1 00

SALISBURY, VT.—Chas. Bingham has purchased Geo. Sheldon's greenhouse and will soon move it to his father's farm.

Providence.

CARNATIONS SCARCE.

The only stock that will be short of the demand for Memorial day is carnations and these will probably sell for $2 to $4 per 100, with a prevailing retail price of 50 or 60 cents per dozen. Roses will be abundant at regular prices or only a slight advance, and will include all colors and such varieties as Bride, Bridesmaid, Killarney, Carnot, and Richmond at $2 to $6 per 100 for very good blooms acceptable for bouquet work. Lilacs will be past and there will be little outside stock. Everything bids fair for a profitable day's business.

NOTES.

T. F. Keller of 188 Mathewson street is opening new quarters further down on the same street in the vicinity of the scenic temple, and will abandon his old stand in the near future. The question of rent is a consideration, as his new place will save him one-half operating expenses, and, being a very compact store, will enable him to preserve a neat and natty appearance. He should do well.

A new retail florist (Young), has opened a store in the old Rice & Hayward block on upper Broad street and is making a bid for lawn work. He also intends doing a regular cut flower business. As there is no immediate competition, he is likely to hold forth and become established. M. N.

TOLEDO, O.—Park Superintendent Moore imagined he was the victim of a would-be joker when a man visited him at the City hall and gave him a half a dollar for a Christmas tree. He said he stole it from a local park nine years ago and explained that he was out of work and had little with which to cheer his two children. He thought a Christmas tree would help make them glad, but had no money to buy one, so he stole one from Ottawa park. Superintendent Moore would not take the money at first, but the visitor said he could now afford it and wanted to leave the place with a clearer conscience. It was then turned over to the city treasury and added to the park fund.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

London, Eng.

COMMISSIONS CARRIED OUT IN LONDON

or any part of Great Britain.

Messrs. WILLS & SEGAR will attend to any commissions from American florists for the supply of Cut Flowers, Birthday flowers, Bouquets, High Class Floral Designs, etc. to their clients who may be traveling in England.

WILLS & SEGAR, Court Florists to His Majesty, The King.

ROYAL EXOTIC NURSERY.

TELEGRAMS, Onslow Crescent, South Kensington, FLOSCULO, LONDON. LONDON, ENGLAND.

Kansas City, Mo.

WILLIAM L. ROCK Flower Co.,

Will carefully execute orders for Kansas City and any town in

Missouri, Kansas or Oklahoma.

Philadelphia, Pa.

Robert Kift,

1725 Chestnut Street.

Prompt and Careful Attention given to all Mail and Telegraph orders.

Louisville.

A BAD WEEK.

Business conditions the past week in the cut flower line were the poorest experienced in many a day. The quantities of stock thrown away were enormous. Better things are looked for this week. Roses were simply a glut on the market, and could not be moved at any price. The quality was very high. Carnations of good quality were also too plentiful, and found but little demand. Peonies of good quality find a fair demand and are in good supply. Sweet peas are in good supply and find a satisfactory demand. Irises are plentiful but do not find much demand. Green goods are plentiful with the exception of smilax. The planting season is nearly over much to the satisfaction of the growers.

The regular monthly meeting of the Kentucky Society of Florists will be held June 2 at 8 p. m., at Fred L. Schulz's store, and a good attendance is looked for. Members are requested to report what they have done for the coming show. There will be a lot of other business of importance.

F. L. S.

WILMINGTON, DEL.—The Peninsula Horticultural Society will meet in this city on January 12-15 of next year. The house and social committee of the board of trade will arrange the place of meeting.

PADUCAH, KY.—L. P. Branton, florist at the Union station is busy planting flowers in the depot park. The work was delayed this spring on account of the weather. Mr. Branton says he will have the prettiest park that he has ever had. The local station has received the prize several seasons for having the most attractive park.

Detroit, Mich.

John Breitmeyer's Sons

Cor. Miami and Gratiot Aves.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

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1415 Farnum St. TELEPHONES 1501 and L 1582

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1017 Broadway Coates House Conservatory

Both Phones 2670 Main.

Write, Telephone or Telegraph. All orders given prompt attention.

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Telegraph Orders a Specialty. 218 W. 4th St.

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Telephone Connection. 396 Boylston St.

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Woodland Seed & Floral Co.,

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Will fill all orders for Cut Flowers, etc. for steamers for Japan and Alaska or any part of the Pacific coast. A. L. AABLING, Gen. Mgr.

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Cut Flowers of BEST QUALITY in season, delivered promptly to any address.

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M. C. and J. E. Hauswirth.

Auditorium Annex.

Mail, telegraph or telephone orders filled promptly in best style.

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41 PEACHTREE STREET.

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Greenhouses: Short Hills, N. J.

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Greater New York, Long Island and New Jersey.

Trade orders from all parts of the country filled for delivery at residence, steamer, hotel, or theater on wholesale basis. Satisfaction guaranteed. Wire or telephone.

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Prompt attention given to all mail, telephone and telegraph orders.

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Special attention to Telegraph or Telephone orders. 'Phone 1912.

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THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in MINNESOTA AND THE DAKOTAS.

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FLORISTS,

25 Clinton Avenue, N.

Rochester Phone 506. Long Dis. Bell Phone 2189.

Washington, D. C.

Blackistone

14th and H Streets.

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CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

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Best Quality on Shortest Notice

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WE HAVE THE BEST FACILITIES IN THE CITY

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The Cleveland Cut Flower Co.
Will fill your orders for designs and cut flowers in
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WRITE, WIRE OR PHONE YOUR ORDERS TO
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Regular discount allowed on all orders, either Plants or Cut Flowers.
Phones Bell, Main 2306. Kinloch, Central 4981.

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Matthews,
—FLORIST—
16 W. 3rd Street.
Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones

We Want to Fill Your Orders for Kansas City and Vicinity

upon the usual terms and offer: (1) *Thoroughly reliable and prompt service;* (2) *stock that will reflect credit on your firm;* (3) *the same good treatment that we, in turn, hope and expect to receive at your hands.*

We do a Hundred Thousand Dollar Retail Business annually; hence keep the largest and finest assorted stock in Kansas City always on hand. We are "Kansas City's Largest Retail Flower Shop." Correspondence with out-of-town florists solicited.

ALPHA FLORAL CO., 1105 Walnut St., KANSAS CITY, MO.

Milwaukee, Wis.

C. C. Pollworth Co.
Will take proper care of your orders in **WISCONSIN.**

A sign like this in your window will draw good business now.

Steamship Sailings.

WEEK ENDING JUNE 6.

June 2, Kaiser Wil. der Grosse, N. Y.-Bremen.
June 2, Saxonia, Boston-Liverpool.
June 2, Ivernia, Liverpool-Boston.
June 2, Pannonia, Trieste-New York.
June 3, New Amsterdam, New York-Rotterdam.
June 3, Madonna, Naples-New York.
June 3, Merion, Liverpool-Philadelphia.
June 3, Oceanic, New York-Southampton.
June 3, Republic, Boston-Liverpool.
June 4, Amerika, New York-Hamburg.
June 4, Ultonia, New York-Trieste.
June 4, La Provenee, New York-Havre.
June 4, Kensington, Liverpool-Montreal.
June 4, Celtic, New York-Liverpool.
June 4, Cedric, Liverpool-New York.
June 6, Sicilian, Montreal-London.
June 6, Columbia, New York-Glasgow.
June 6, California, Glasgow-New York.
June 6, President Lincoln, New York-Hamburg.
June 6, Noordam, Rotterdam-New York.
June 6, Koenig Albert, New York-Genoa.
June 6, Finland, New York-Antwerp.
June 6, Venezia, New York-Naples.
June 6, St. Paul, New York-Southampton.
June 6, St. Louis, Southampton-New York.
June 6, Haverford, Philadelphia-Liverpool.
June 6, La Savoie, Havre-New York.
June 6, Dominion, Montreal-Liverpool.

WINSTON SALEM, N. C.—Work on the new floral establishment is progressing rapidly.

Indianapolis, Ind.

Bertermann Bros. Co.
FLORISTS
.....241 Massachusetts Ave.

Albany, N. Y.

EYRES
Flowers or Design Work.
DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.
11 NORTH PEARL STREET,

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The Park ...Floral Co.
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IN HEART OF NEW YORK CITY.
Phone, 2270 38th St. 1294 Broadway, N. Y.
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GEO. M. KELLOGG,
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KANSAS CITY and PLEASANT HILL, MO.
Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

Buffalo, N. Y.

Palmer's
W. J. Palmer & Son. 304 Main St.

Nashville, Tenn.

Joy Floral Co.,
610 CHURCH STREET.

The Seed Trade.

American Seed Trade Association.
Geo. S. Green, Chicago, Pres.; M. H. Duryea, New York, First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-sixth annual convention, June 23 to 25, at Hotel Ponchartrain, Detroit, Mich.

MOVE the surpluses now.

THE pea crop outlook is said to be excellent for this time of the season.

LODI, CAL.—Recent light rains and moderate weather are favorable to the seed crops.

HOLLAND BULBS are looking well, but it is too early to make any prediction with regard to the crop.

VISITED DETROIT: R. J. Irwin, of H. H. Berger & Co., New York; Guy W. Reburn, representing Vaughan's Seed Store, Chicago.

IT would be interesting to learn how many onion sets have been carried over at leading central market points from Ohio to the Missouri river.

WE understand the Brown Bag Filling Machine Co., Fitchburg, Mass., was the lowest bidder and was awarded the contract for packeting, assembling, franking and mailing seeds under the congressional free seed distribution.

LAWRENCE S. PAYN, representing Andre Leroy & Co., Angers, France, is making his annual tour of the American trade. All correspondence addressed to him care of F. B. Vandegrift & Co., 15 Whitehall street, New York, will receive prompt attention.

CHICAGO.—A. H. Goodwin, of the W. W. Barnard Co., is at Asheville, N. C., with Mrs. Goodwin.—Hand picked medium beans were $2.65 here May 27.—Grass seed contract prices on the board of trade May 26 were noted as follows: Prime Timothy, $4.25 (nominal); choice white clover, $15.—Visitor: J. E. Killen, representing Wm. Rennie & Co., Toronto, Ont.

LEADING onion set and onion seed growers say that the acreages planted to those crops in and around Chicago are about the same as last year. The rainy weather of the past fortnight has had the effect of delaying badly the work in the field. According to L. A. Budlong few pickling onions are now grown in this vicinity, the crop probably not reaching 10,000 bushels.

KEOKUK, IA.—Articles of incorporation have been filed by the Gate City Seed Co., a company with $30,000 capital stock in shares of $100 each. The officers are A. M. Davidson, president; W. D. Burt, vice president and H. E. McCoy, secretary and treasurer; these officers also being the directors. The object of the corporation is to be the buying, selling, raising, etc., of seeds and the company's place of business is to be in this city.

Braslan Seed Growers' Co.
Growers for the Wholesale Trade Only.
SAN JOSE, CAL.

FRENCH BULB crop reports to hand show that Narcissus Paper White Grandiflora will not be in oversupply. The prospects for white Roman hyacinths are good, and while the price is now 70 francs, there are indications that it will decline.

THE seedsmen's hearing on the proposed seed bill, H. R. 13835, before the committee on interstate and foreign commerce, Washington, D. C., April 21, has been printed in full and those interested may secure copies by addressing their congressman. The report makes interesting reading. We printed summaries of the views expressed at the hearing in the seed trade department of our issues of May 9 and 16.

PHILADELPHIA, PA.—Though in the mind of the average interested person the seed season is drawing to a close, there seems to be no close in sight at H. F. Michell's. The impression gained by the average visitor, who drops in about once a month, is that they get busier all the time. If not selling seeds every minute, it is a new lawn mower, garden hose, or some of that great variety of farm and garden implements for which the firm has long been noted. It is safe to state that anything in the line of garden tools not carried by the Michell Co., has not yet been invented.—Herbert Johnson, of the Johnson Seed Co., reports a very satisfactory season and he considers the outlook promising, all of which is borne out by the present appearance of business about the store.

NEW YORK.—The rush of spring business in seeds seems to be about over, but there is still a lively movement in vegetable plants which is bound to continue for at least another week as much land in this vicinity is so wet as to be unfit for planting.—H. Suzuki, managing director of the Yokahama Nursery Co., has returned from a five weeks trip to Europe, much pleased with the business outlook for the interests which he represents. He will leave for his home in Japan, going by Seattle, about June 1.—At Vaughan's Barclay street store C. W. Scott, long time western traveler for the company, has been supervising store and trade correspondence for the past few weeks.—Henry Nungesser returned from Europe last week, this being his forty-fifth voyage. As Mr. Nungesser is not very old he may yet make it 100.—Visitor: J. K. M. L. Farquhar, Boston, Mass.

Nebraska Seed Crops.

The Western Seed & Irrigation Co. reports that it has been favored with a larger share of contract orders this season than for a number of years, the orders running considerably larger, especially for flint and field corn varieties. Owing to the high price of all farm products it has been a difficult matter to get out the increased acreage, but the firm has covered all requirements fairly well on nearly all varieties on the basis of fair average crops. Growers have demanded greatly increased prices. Owing to the large orders for many varieties and the scarcity of good stock seed, this firm does not look for any large surplus crops of sweet or flint corn this season, and believes the prices on these will again rule high next fall. There have been some light scattered showers through eastern and central Nebraska, but nothing like a normal amount of moisture. The past week or 10 days have been more favorable for planting and the growers have finished planting corn in many cases. Nearly all report the corn sprouting and in some cases through the ground. With continued favorable conditions it is believed a good stand will result. Vine seeds will not be planted until the last two weeks in May, with the exception of cucumber, which will be planted from the first to the middle of June.

J. C. Robinson reports as follows: "Very few of our vine seed crops are planted, but corn is pretty well in the ground now. The weather has been unusually fine for securing a good stand of corn and farmers report an almost perfect stand where the corn is up and that planted later sprouting in fine shape. The acreage on contract corn is going to be light. This applies to both flint and sweet varieties. There will be no excess grown this year. Squash and muskmelons are now (May 20) being planted, but none are out of the ground as yet."

C. H. Coy writes: "Vine crops are nearly all planted and have gone into the ground under favorable conditions. Corn is nearly all planted and there is promise of a good stand."

American Seed Trade Association.

Secretary Kendel has issued the following circular to members of the association:

"The topics that will be discussed at the convention at Detroit, Mich., June 23-25, are of interest to all seedsmen. There will be interesting reports from committees in regard to seed legislation, both State and National.

"Thousands of people annually pass through Detroit that do not know they have the right to a 10 days' stopover on their tickets without extra charge. This applies to all tickets to or from any point in the United States or Canada, provided same is within the final limit of said ticket. Passengers desiring this privilege will make application for same to conductor or train auditor, and latter will endorse coupon 'Off at Detroit,' date and sign same, and advise passenger that immediately upon arrival at Detroit the ticket must be deposited with ticket agent at the depot arrived at. The latter will furnish a receipt for ticket.

"There will probably be very low rates offered to the convention of the National Education Association at Cleveland, O., so if any members wish to attend the latter they can use the above stopover privileges to good advantage.

"The management of the Hotel Ponchartrain promise to make us comfortable and would like to hear in advance from as many as intend to engage rooms.

"The rates offered are $2 each for two in a room or $2.50 single, and upwards, without meals. Other hotels are near and eating houses numerous."

The programme as now arranged is as follows: "Theoretical and Practical Seed Breeding," by Dr. W. W. Tracy, Washington, D. C.; "Farm Practice Investigations in Clover Seed Production," by C. B. Smith, Washington, D. C.; "The Use of Forage Plants as Soil Improvers in the South," by Henry W. Wood, Richmond, Va.; "The Use of Forage Plants as Soil Improvers in the North," by J. E. Northrup, Minneapolis, Minn.; "What Effect Does a Commercial Depression Have on the Garden Seed Business," by E. C. Dungan, Philadelphia, Pa.; "Practical Education in Horticulture," by Dr. A. C. True, Washington, D. C.; "The Effect of Low Prices on the Production of High-Grade Stocks," by C. N. Keeney, Le Roy, N. Y.; "Fire Insurance," by Albert McCullough, Cincinnati, O.; Disclaimer discussion led by Leonard H. Vaughan, Chicago, and S. F. Willard, Wethersfield, Conn.; "The American Trade Mark Law and its Importance to Seed Growers and Merchants," by Edward T. Fenwick, Washington, D. C.

The officers of the association are Geo. S. Green, Chicago, president; Marshall H. Duryea, New York, first vice-president; F. W. Bolgiano, Washington, D. C., second vice-president; C. E. Kendel, Cleveland, O., secretary-treasurer; Leonard H. Vaughan, Chicago, assistant secretary.

French Seed Crops.

May 5.—March and April were still cold and nasty here, and one fact worth notice was the heavy fall of snow which occurred on April 25 last. For two hours running it came down fast and heavily, so that the ground was covered a few inches thick during a part of the daytime. Old people say they do not remember having seen such a late fall of snow in their whole lives. Then the thermometer, according to a correspondent of the Horticultural Advertiser, came down as low as three or four degrees below zero (centigrade) during a few nights, so that we felt very anxious about our young plants, and also about cabbages, turnips, swedes, etc., just shooting to seed.

Happily the frosts did not last long enough to do much harm, and we are now enjoying splendid weather; sunshine and now and then a little shower are pushing everything forward, and it is marvelous to see how all plants and trees are growing so speedily. Within a week or so we shall be able to set in our lettuces for seeds; plants are generally looking well. Radishes also will soon be transplanted. A short time ago we have been planting our beets, mangels and carrots, under pretty good conditions; the worst is that plants generally were very scarce and tiny, and therefore acreages planted are much smaller than usual. Of beets specially

(CONTINUED ON PAGE 950.)

Rogers Brothers,
SPECIALTY GROWERS.
Purest Strains GARDEN PEA and BEAN SEED.
For the Wholesale Trade. ALPENA, MICH.

CAULIFLOWER CABBAGE SEED
HJALMAR HARTMANN & CO.
31 Barclay St. NEW YORK. 12 Stormgade, COPENHAGEN, DENMARK.

MICE PROOF SEED CASES.
SEND FOR BOOKLET.
HELLER & CO., Montpelier, O.

Telegraph Code
Am. Seed Trade Association
$2.00
In either stiff or flexible cover. Address orders AMERICAN FLORIST CO., CHICAGO.

LAWN GRASS SEED in Bulk and Packages
Dickinsons, Evergreen, and Pine Tree Brands
SPECIAL MIXTURES SEED FOR GOLF GROUNDS
MINNEAPOLIS THE ALBERT DICKINSON CO. CHICAGO

PROCEEDINGS
Of the Congress of Horticulture held at the Jamestown Exposition, September 23, 1907,
Linen Bound. 108 pages. Price, 25c.
This publication includes the formal addresses and discussions of the papers read at the meeting which covered the various phases of Horticulture. This meeting was pronounced by Horticultura authorities as one of the greatest Horticultural meetings ever held in a single day,
For copies address
H. C. IRISH, Sec'y,
National Council of Horticulture, Missouri Botanical Garden, St. Louis, Mo.

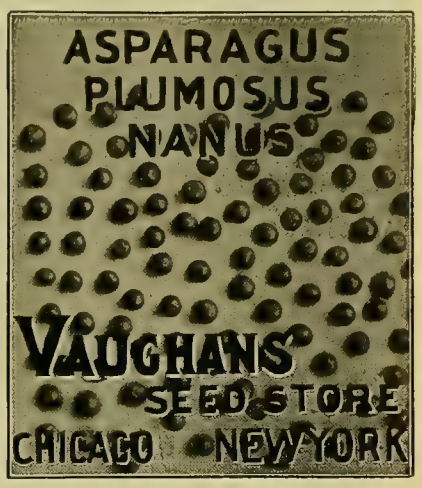
W. J. Eldering & Son,
Wholesale Bulb Growers and Dealers.
OVERVEEN. HAARLEM. HOLLAND.
Headquarters for High Grade Hyacinths, Tulips and Narcissi. We do not sell at Retail. Write for special quotations on large quantities.
Address our G. C. Eldering, care Hotel Seville Madison Ave. and 29th St., New York.

Waldo Rohnert
GILROY, CAL.
Wholesale Seed Grower
Specialties: Lettuce, Onion, Sweet Peas, Aster Cosmos, Mignonette, Verbena, in variety. Correspondence solicited.

S. M. ISBELL & CO.
JACKSON, MICH.
Contract Seed Growers,
Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.
Correspondence Solicited.
Write for Prices on Surplus Stocks fo Immediate Shipment.

C. C. MORSE & CO.
SEED GROWERS,
Address all communications to our permanent address
48 to 56 Jackson St., SAN FRANCISCO.
ONION, LETTUCE, SWEET PEAS. and other California Specialties.

Seed Beans
F. L. HOGUE,
CARPINTERIA, CAL.,
Grower for the Wholesale Trade only.



We handle this Asparagus both in seeds and plants of all sizes, in very large quantities and make very close prices on larger amounts on application. Our seed is pure, fresh, of best germinating quality and extraordinary vitality Northern Greenhouse-Grown Seed. Per 100 seeds, 60c; 250 seeds, $1.00; 1000 seeds, $3.00. Price for larger lots on application.

The Union Horticole
beg to inform the trade that it has no agent whatever nor traveller this year in the U. S. Every communication must be mailed direct to Hyeres, South of France, where it will be promptly attended to.
UNION HORTICOLE
HYERES (Var) FRANCE.

The Tilly Co.
SEATTLE, WASH.
Growers of
Puget Sound Cabbage Seed.

Asparagus Plumosus Nanus Seed
$2.00 per 1000, Cash.
NEW CROP Highest Germination.
DRAKE POINT GREENHOUSES
YALAHA, FLORIDA.

NOW READY 1908 EDITION Trade Directory.

SPECIAL LOW OFFER OF

Tuberous Begonias

To Close Out Surplus Stock.

Choicest Single Mixed.
$2.00 per 100; $15.00 per 1000.

Choicest Double Mixed.
$3.00 per 100; $25.00 per 1000.

Begonia Duke Zeppelin
60c per dozen; $4.00 per 100.

New Frilled Tuberous Begonias.
In choicest mixture.
$1.00 per dozen; $7.00 per 100.

Begonia Lafayette.
$1.00 per dozen; $8.00 per 100.

These prices are special, and will be withdrawn as soon as surplus is reduced.

HENRY A. DREER, 714 Chestnut St., Philadelphia.

French Seed Crops.

CONTINUED FROM PAGE 949.

there is a very big shortage, and even if the crop were to turn out a splendid one, we should still be far short of the quantities we want here every year; and as nearly all stocks have been cleared out last season, no doubt high prices must be expected for next.

Mangels, yellow and white varieties, have been largely planted again this year, but one fact must be noticed, that is, the scarcity of long red Mammoth mangel. Owing to its selling very slowly these past years, most growers had left off growing this variety. But last autumn the demand for it was so big that all stocks were soon cleared out at a good paying price. As there were but very few plants indeed to set in for 1908 crop, no doubt this good old variety will fetch a good price again next season. Yellow varieties do not seem to have moved much in price. White varieties were a big crop last season, and prices dropped very much. However, some large houses bought heavily at the end of the season, and there is not much left over now. But plantations are very large again, and therefore there will not be much chance for an advance in price, unless crop turns out bad.

Carrot plantations are not very large, a good many plants having been destroyed by bad weather, worms, etc., during last winter. Then most of them were very tiny and delicate indeed, owing to their having been sown very late last autumn. Small crop is expected.

Onions have been largely set again this Spring for 1908 crop, and should everything turn out well, a big crop may be expected. Leeks are doing pretty well for the present, although the plants we set in for seeds were very small. Parsnip not much planted; a short crop is expected. Parsley is doing well; winter radishes also.

Cabbages, swedes, and turnips, as stated in my last report, will be a very poor crop indeed; plantations were very reduced, and the late frosts no doubt badly affected the plants, which were just shooting.

The season is now over for clover; the price which this article reached last season is most surprising. We do not remember such big quotations for clover, nor such a small quantity on the market.

Imports.

During the week ending May 23 imports were received at New York as follows:

TO THE TRADE

HENRY METTE QUEDLINBURG, GERMANY.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: **Beans**, Beets, Cabbages, **Carrots**, Kohl Rabi, Leek, Lettuces, **Onions**, **Peas**, **Radishes**, Spinach, Turnips, Swedes, **Asters**, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspurs, Nasturtiums, **Pansies**, Petunias, Phloxes, Primulas, Scabious, **Stocks**, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, mixed), the most perfect and most beautiful in the world, $5.00 per oz.; $1.50 per ¼ oz.; 75c per 1-16 oz. Postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own grounds of more than 3,000 acres, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

List of my novelties in flower seeds for 1908 sent on application.

Vegetable Plants.

	Per 100	1000
Cabbage, Wakefield L. I. Second Early, Early Flat Dutch, Early Summer, Winningstadt, and other later varieties, $1.00 per 1000; $8.50 per 10,000.		
Beet, Eclipse, Crosby's and Egyptian	$ .25	$1.25
Lettuce, Boston Market, Tennis Ball, Big Boston and Grand Rapids	.20	1.00
Celery, White Plume and G. S. Blanching	.20	1.00

Cash with order.

R. VINCENT, Jr. & SONS CO.,
WHITE MARSH, MD.

FLORISTS have a splendid opportunity of raising **Mushrooms** by utilizing the **waste space** under the benches, and then utilizing the **waste material** of expended mushroom beds in growing flowers. **Lambert's Pure Culture MUSHROOM SPAWN**, the best spawn in the market, is sold by all leading seedsmen. A fresh sample brick, enough for a trial bed, together with illustrated book on "Mushroom Culture," will be mailed postpaid upon receipt of **40c** in postage stamps. Address **American Spawn Company, St. Paul, Minn.**

MUSHROOM CULTURE

The Most Profitable Outdoor Industry Known.

If you want a really successful crop of

MUSHROOMS

USE ONLY

Johnson's Improved

MUSHROOM SPAWN

Which Is Scientifically Inoculated with Virgin Spawn.

JOHNSON'S, LTD., are thechief makers of Mushroom Spawn and growers of Mushrooms in England, and they recommend this season's improved spawn as being in better condition than ever.

Correspondence invited for OVERSEA ORDERS. Prices and particulars on application.

NOTE THE ADDRESS:

JOHNSON'S, LTD.,
44 Bedford Row, London W. C., Eng.

J. Roehrs & Co.; 40 tubs laurel trees, 18 bls. plants, nine cases plants.

McHutchison & Co.; 32 tubs laurel trees.

Vaughan's Seed Store; 17 cases plants.

Brown & Bros. Co., two bags croton seed.

J. M. Thorburn & Co.; 20 bgs. alfalfa seed, 21 bgs. grass seed, five pkgs. grass seed.

R. F. Lang; one case plants.

To others, 90 cases plants, 620 tubs laurel trees, nine cases lily bulbs, six cases orchid plants, 420 bags seed, 1113 bags clover seed, 443 bags sunflower seed, 100 bags poppy seed, 30 pkgs. seed.

Half Million Calla Bulbs.

Calla Bulbs pay to bloom 40 per cent better than Harrisii. Why you don't have to throw Calla Bulbs away after blooming. (Savvy?)

CALLA ETHIOPICA BULBS.

8 to 10 inch circumference ..... $80.00 per 1000
7 to 8 " " ..... 65.00 " "
5 to 7 " " ..... 40.00 " "
3 to 5 " " ..... 25.00 " "

250 at 1000 rates. Packed in slatted crates. Liberal count. **Safe arrival guaranteed.** I prepay freight at above prices to your city when check is sent with order. Send in your order to-day and cash to reach me June 20th. References: First National and People's Bank, Santa Cruz, Calif., and Dunn's.

A. MITTING, 17 to 23 Kennan St., SANTA CRUZ, CALIF.

MARKET GARDENS.

Protection of Cabbage Seed-Beds.

The following is a summary of Bulletin 301 published by the New York Agricultural Experiment Station by W. J. Schoene:

"This bulletin deals with experiments to test the value of cheesecloth screening for the protection of cabbage seed-beds against injuries by root-maggots.

"Two species attack the underground parts of seedlings, the cabbage-maggot (Pegomaya brassicae Bouché) and the seed-corn maggot (Pegomya fusciceps Zett.). These insects are very destructive to young plants, and are pests which have been very difficult to combat succesfully in seed-beds.

"In the experiments, four large beds were made, the seed being sown respectively on April 29, May 13, May 17 and May 28. Screening was applied to 21 rows of 150 feet in length of the planting of May 13. The remainder of the bed, consisting of 68 rows of equal length, was considered as a check.

"Plants raised under cloth grew faster and reached the desired size for transplanting one week before the seedlings in the check area. The screened sets were seasoned by the removal of the covering 13 days before the time of replanting, and showed no more wilting when transplanted than did the check seedlings.

"The screened bed was entirely free of maggots, and produced 50,000 sets, which were replanted. The check bed, of more than three times the size, yielded only 30,000 desirable plants. The cabbage-maggots were generally very destructive to unprotected seedlings.

"The planting of April 29 was practically destroyed by fleabeetles and maggots. The beds sown on May 17 and 28, owing to the lateness of the season and injuries by maggots, did not produce any plants of the desired size.

"The experiments show that screening entirely protects seedlings from injuries by maggots, and indicate that it is possible to season the plants, by removal of the covering a few days before transplanting, so as to avoid the excessive wilting and losses, which sometimes attend the planting in the field of sets grown in covered frames."

Prices of Indoor Vegetables.

The prices of indoor vegetables at leading points May 23, were as follows: New York, cucumbers, No. 1, $2.50 to $4 per box; No. 2, $1.25 to $2 per box; mushrooms, 10 cents to 50 cents per pound. Chicago, mushrooms 35 cents to 65 cents per pound; cucumbers, 40 cents to 60 cents per dozen. Philadelphia, cucumbers, 75 cents to $1.25 per dozen. Cincinnati, cucumbers, 40 to 50 cents per dozen.

THIS IS FISCHER'S GRAND FREESIA PURITY.

The finest Freesia ever offered to the trade and the only one worth growing. The flower heads are of very large size, as can be seen by the cut, and are of glistening whiteness and of thick, heavy substance, making its keeping quality superior to all others. The stems, always stiff, can be grown two feet and over, making this magnificent Freesia one of the finest decorative flowers; it can be used entirely alone in that respect or with other long-stemmed flowers. The greatest care is taken by us to keep this beautiful Freesia pure and free from all danger of mixing by carefully picking off all seed pods, not allowing one to ripen and drop its seed in the ground, where it will surely grow the next season and work disaster, as it does not come true from seed. So beware of buying stock that has been increased from seed. You will always find **Purity** here in all its purity.

Send your orders early, for last year the orders far exceeded the supply. This year we hope to fill all orders and offer first and second grade bulbs for sale.

Send for Price List. Delivery in early July. **RUDOLPH FISCHER, Santa Anita, Calif.**

Surplus Cannas.

	Per 100	1000
King Humbert	$4.00	$35.00
Allemania, David Harum, Giant Crimson, California (orange), Evolution (yellow), Duke of Marlborough	2.50	20.00

THE CONARD & JONES CO., West Grove, Pa.

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,
Successor to L. K. Peacock, Inc. **ATCO, N.**

The Nursery Trade

American Association of Nurserymen

J. W. Hill, Des Moines, Ia., President; C. M. Hobbs, Bridgeport, Ind., Vice-President; George C. Seager, Rochester, N. Y., Sec'y. Thirty-third annual convention to be held Milwaukee, Wis., June 10-12, 1908.

THE Mississippi Valley Apple Growers' Association favors the apple blossom for the national flower.

THE Rosemore Nurseries of Litchfield, Conn., is enlarging its plant and building two new greenhouses this spring.

GLEN ST. MARY, FLA.—The Glen St. Mary Nurseries are preparing to build a large packing house this summer, 70 by 116 feet.

RICHMOND, VA.—T. W. Wood & Son have purchased of T. D. Coghill and S. B. Borkey, 40 acres of land, near Milford, in Carolina county, for a large seed farm for supplying seed for their establishment.

PARK COMMISSIONER SCANLAN'S St. Louis park report of 1907 contains a series of fine views showing the wonderful transformations that have taken place in the World's Fair site in the past six years.

THE Rural New Yorker is advising its readers to deal with reputable established nursery firms and have nothing to do with the "contracting" firms who are at the old game of selling trees and promising big prices for the first year's crops.

MAGNOLIA DAY, usually falling on a fine Sunday about the middle of May, is a Rochester, N. Y., institution, celebrated with a fashionable parade through Oxford street, where fine specimens of Magnolia conspicua and M. obovata are quite numerous.

PONTIAC, ILL.—Professor Graham, president of the State Horticultural Society, says there will be no cherries worth mentioning in this part of the state. Pears are also a practical failure and plums not up to the average. Peaches and apples promise well.

MERIDEN, CONN.—John Nolen, landscape artist, has been called to Madison, Wis., in an advisory capacity for the state, city and university interests. The Boston Herald says "Wisconsin is doing many things as a state which the east needs to know about."

CHASE, ALA.—Plans have been drawn for a union station for the N. C. & St L. and the Southern railroads. The new station is a result of the increased business of the Chase Nursery Co. The building will contain two waiting rooms and a large storage room, in which the Chase Nursery Co. will have a private office. The work of construction has already been begun and the building will be completed in a few weeks.

ROSALIA, WASH.—The Rosalia Nurseries are being doubled in area, with a proportionate increase in the number of fruit and ornamental trees. These nurseries were started as an experiment two years ago. The owner has made arrangements to again double the acreage next season, and will make a specialty of a new pear originated near Rosalia by Charles Astmus and named The Astmus. Special attention will be given the cultivation of fine varieties of cherries.

WENHAM, MASS.—Connolly Bros. have under construction upon the estate of John A. Burnham a rose garden which includes considerable landscape work and the building of walks, pool, etc. The garden was planned by Miss Foote of Marblehead.

PANSIES of different varieties used as carpeting to bulbous plants have rather a bizarre appearance but one variety, of a color that blends well with the daffodils, tulips or whatever other bulb stock is used, has an excellent effect. Some of the slate blue varieties, for instance, under single yellow daffodils, are excellent.

"PLANS OF LAWNS AND GARDENS" is a neat little book sent out by the Wagner Park Conservatories, Sidney, O. It consists of a large number of detailed plans for the planting of home and other grounds and is a good companion to the firm's "Landscape Gardening for Amateurs." Key numbers are given to the specifications and practical instructions on how to plant, and also on how to apply the plans to individual grounds, while on the plans themselves are numbers, keyed to show the most suitable subjects for planting in the various positions. It is an excellent work, carefully prepared.

President J. W. Hill.
American Association of Nurserymen.

MILTON, ORE.—To be able to better handle the growing business of the Milton nurseries, A. Miller & Son have incorporated with a capital stock of $50,000, taking into the new business A. Miller, the original proprietor, S. A. Miller, G. W. Miller and C. B. Miller. The active management will be unchanged, A. Miller retaining the position of business manager of the corporation. The company will add 40 acres of land to that already used by the nurseries, making 150 acres in trees. Two centrifugal pumps, with capacity of 400 gallons per minute each, will be installed to furnish water for irrigating the entire tract used. The land lies along the Tumalum river, about one mile from this place, and every acre can be readily irrigated. The flood in March did considerable damage to young trees and an effort will now be made to prevent any recurrence of such a disaster.

President J. W. Hill.

J. W. Hill, who was elected president of the American Association of Nurserymen at the Detroit convention last year, is 49 years of age, having been born in the south and reared on a plantation there. In 1884 he removed to Des Moines, Ia., and became identified with the Des Moines Nursery Co., of which corporation he has been president for six years.

Mr. Hill is a busy man as, besides his interest in the nursery business, he is engaged in grain, telephone, canning and banking enterprises. Besides these he is president of the Iowa State Traveling Men's Association, and is identified with most other kindred affairs in the city.

In civic affairs Mr. Hill has long taken a great interest and he is now very prominent. He is at the head of a committee of 300 business men who are endeavoring to secure an improved form of city government to be known as the "Des Moines plan." This has been framed along similar lines to the "Galveston plan" or government by commission. Mr. Hill has been a member of the American Association of Nurserymen for many years and two years ago held the office of vice-president. Doubtless the association chose their president wisely, and the members are to be congratulated upon having secured so capable a man and one of such extended business and practical experience for their president.

American Association of Nurserymen.

The programme of the thirty-third annual meeting of the American Association of Nurserymen, to be held at the Plankinton House, Milwaukee, Wis., June 10-12, is as follows:

WEDNESDAY, JUNE 10, 9:30 A. M.

Calling to order, President J. W. Hill, Des Moines, Iowa.

Address of welcome, Mayor D. S. Rose, Milwaukee, Wis.

Response, Geo. S. Josselyn, Fredonia, N. Y.

President's Annual Address, J. W. Hill, Des Moines, Iowa.

Announcement of arrangements for selection of state vice-presidents and for meeting of vice-presidents.

Reports of secretary and treasurer.

Reports of standing committees; Transportation, F. H. Stannard, Ottawa Kans.; Tariff, Irving Rouse, Rochester, N. Y.; Legislation, Wm. Pitkin, Rochester, N. Y.; National Inspection Law, Orlando Harrison, Berlin, Md.; Publicity, J. M. Irvine, St. Joseph, Mo.; Exhibits, Thos. B. Meehan, Dreshertown, Pa.; Editing Report, J. H. McFarland, Harrisburg, Pa.; Mutual Fire Insurance, Peter Youngers, Geneva, Neb.; Entomology, C. L. Watrous, De Moines, Ia.

THURSDAY, JUNE 11, 9 A. M.

Roll call of states; naming vice-presidents; report of vice-presidents.

Election of officers; selection of next place of meeting.

Paper: "How Can the Nurseryman Best Assist in the Civic Improvement Movement?" J. Horace McFarland, Harrisburg, Pa.

Paper: "Is it Good Policy on the Part of the Nurserymen to Send out Cheap Lists at the End of the Season?" J. M. Pitkin, Newark, N. Y.

Paper: "A few points on Improvements," Judge Eugene Stark, Louisiana, Mo.

Paper (Subject not yet announced), Prof. L. R. Taft, East Lansing, Mich.

Paper: "Semi-Tropical Thoughts for Nurserymen," H. H. Hume, Glen St. Mary, Fla.

FRIDAY, JUNE 12, 9 A. M.

Paper: "The Great Southwest," J. S. Kerr, Sherman, Tex.

BOXWOOD.

BOXWOOD.

The plants imported this season are the handsomest ever brought to this country. Prospective purchasers will do well to visit our nurseries and inspect the stock before buying.

Standard Boxwood. 3 ft. diameter, fine specimens, $7.50 each. 2½-ft. diameter, fine specimens, $4.50 each; 2-ft. diameter, fine specimens, $3 each; 18 to 20-in. diameter, fine specimens, $2; 15 to 18-in. diameter, fine specimens, $1.50. Buxus, round shape (perfectly round), 2-ft., $2.50; for hedging, 8-in., $25, $30 and $35 per 1,000; for hedging, 10-in., variegated, $30 per 1,000.

Globe Boxwood. Fine specimens from $2, $3, $4, $5, $10 to $15 each.

Pyramid Boxwood. 5 ft., $4 each; 4 ft., $3.50 each; 3½ ft., $2.50 each; 3 ft., $2 each; 2½ ft., $1.50 each; 2 ft., $1 each; 18 to 24 in., 75 cts. each; 15 to 18 in., 50 cts. each. Pyramids, 5 to 6 ft. high, nicely shaped, per pair, $10 to $15. Special prices on larger sizes.

Bush Boxwood. These are all handsome bushy specimens, adapted for hedges.

	Each	doz.
10 to 12 in.	$0.25	$2.50
12 to 16 in.	.35	3.50
16 to 20 in.	.50	5.00
20 to 24 in.	.75	8.50
24 to 28 in.	1.25	12.00
28 to 36 in.	2.50	25.00
36 to 42 in.	3.50	36.00
42 to 48 in.	4.50	48.00

Clipped Boxwood. We have a fine collection in a variety of forms. Shall be pleased to have prospective buyers call and inspect the stock. Prices on application.

BAY TREES.

Our collection of Bay Trees consists of all sizes, in standard, pyramid, column and other forms. We have upwards of 2,000 trees, from which to select any stock you may desire. Special prices given. Write for prices.

An immense stock of hardy herbaceous plants, ornamental evergreens, shade trees, fruit trees, etc.

BOBBINK & ATKINS, Rutherford, N. J.

Paper: "Cost of Growing Stock," H. L. Bird, Benton Harbor, Mich.

Paper: "The Pecan," H. D. Simpson, Vincennes, Ind.

Paper: "Elements of Success in the Nursery Business," J. B. Pilkington, Portland, Ore.

Paper: "List of Desirable Fruits for My State and Recommended to the Planter," C. M. Hobbs, Bridgeport, Ind.; J. Van Lindley, Pomono, N. C.; Geo. H. Whiting, Yankton, S. D.; C. J. Maloy, Rochester, N. Y.; A. Willis, Ottawa, Kans.; E. W. Chattin, Winchester, Tenn.; W. F. Heikes, Huntsville, Ala.; Peter Youngers, Geneva, Neb., and F. A. Weber, Nursery, Mo.

QUESTION BOX.

The following list of questions has been prepared and will be taken up as the disposition of the programme throughout the three days' permits. Members are requested to avail themselves of gaining information by handing questions to the secretary at any time during the meeting.

Question No. 1—Would it be advisable to have a law for the patenting or trade marking of various varieties of fruits?

Question No. 2—Does not the average nurseryman import nursery stock that can be grown at home? If so, why?

Question No. 3—Has any nurseryman succeeded in preventing apple crown gall and hairy root?

Question No. 4—Is there enough cooperation among nurserymen?

Question No. 5—Is the demand for ornamentals increasing?

Question No. 6—What class of nurserymen are able to manage a business and make a profit under present conditions?

Question No. 7—How should pecans be graded?

Question No. 8—Are the large orchardists still getting the benefit of the wholesale prices?

Question No. 9—Are foreign houses careful enough in grading and sorting seedlings?

Question No. 10—The need of a better class of labor and how can we get it?

Question No. 11—Why should growing nursery stock be taxed as personal property any more than wheat, corn, etc?

Question No. 12—Could not the apple orchard interests be improved by more stringent laws regarding the labeling of pure apple cider vinegar?

Question No. 13—Is the Kiefer pear responsible for the limited sale of pear trees at the present time?

Badges will be delivered to members by the secretary on registration at the convention.

Ladies in attendance will be supplied with badges on application to the secretary.

Trade Directory for 1908

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1908, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 509 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

American Florist Company

324 Dearborn Street, CHICAGO, ILL., U. S. A.

Contains 509 Pages NOW READY. Price $3.00 Postpaid

Announcement will be made during the first session of the time and place for meetings of the various Protective Associations, if information is placed in the hands of the secretary.

In order to give members opportunity for ample social and business intercourse the above programme provides for one session daily. It is hoped that this arrangement will result in the attendance of every member at each of the three sessions.

RAILROAD RATES.

The railroads, after long consideration, finally declined under date of April 29, to grant the usual reduced fares on the certificate plan and suggested "That your people be referred to the summer tourist fares which will be in effect to Milwaukee at the time of your meeting. Full details of the summer tourist fares may be obtained upon application to the representatives of the several lines."

STOPOVER IN CHICAGO.

Benjamin E. Gage, of the Chicago committee, advises that good arrangements have been made with the Great Northern hotel for accommodations for members who may wish to stop over in Chicago on their way to the convention. This hotel is centrally located and good rates are assured.

Fruit Tree Inspection in Utah.

Horticultural Inspector Sorenson filed his monthly report with the board of county commissioners May 1. "In the month of April 74,246 trees were fumigated and inspected for planting, besides 300,000 which were already fumigated, inspected and stored away in frost-proof houses or heeled in the ground for future delivery. Fifty-five boxes and bundles, containing about 15,700 trees, were imported, and 2974 were condemned and burned for being diseased.

"The deputy inspectors, except one, who had nursery as well as orchard work to attend, have been on half-time this month, making a total of 87½ days work, and have filed the following report: Orchards cleaned this spring, 559; orchards pruned, 468; orchards winter sprayed, 60; old trees cut down, 860; pear trees cut out for blight, 3220; young trees planted, 23,513; orchards visited, 646. In one district southwest of Jordan six large California spray pumps, costing over $60 apiece, have been bought and started to work, and many farmers intend to take hold of fruit raising in a manner to produce results. Our worst plague in the older districts is the old pest-breeding orchards, good for nothing, and still not bad enough to be lawfully condemned."

Two Important Vines.

Amongst choice hardy vines, Hydrangea petiolaris, and Schizophragma hydrangeoides, are unique in many respects. Throughout the milder parts of the northeastern states, and New England, there are no other vines that convey the same ornamental conceptions. Anyone who succeeds in growing either of them, to look as luxuriantly as the one shown in the illustration, has certainly something to be proud of.

There has been in past times considerable confusion about these two vines, and undoubtedly they have been badly mixed up; that is Hydrangea petiolaris has been found in cultivation under the name of Schizophragma hydrangeoides, and vice versa. There are obvious differences in the flowers of the two species, but the accompanying illustration shows plainly the difference between the two in the outline of the leaves. Hydrangea petiolaris has the leaves finely and closely toothed, and Schizophragma hydrangeoides always with the leaves coarsely and widely toothed. With those distinctions understood, they can be easily identified.

They should be planted in sheltered situations, in rich cool soil. For covering walls and old tree stems, they are admirable. They need attention and encouragement for a few years to get established, as otherwise they may trail aimlessly on the ground. In Long Island, throughout the Connecticut valley, and in various sections of the milder parts of the New England states, occasional fine examples of both may be seen. We are not aware that any good examples are established anywhere in western New York. JOHN DUNBAR.

Leaves of Schizophragma hydrangeoides (left) and Hydrangea petiolaris.

Flowering Shrubs.

In a paper read before the Morris County Gardeners' and Florists' Society recently Arthur Herrington of Florham Farms, Madison, N. J., made a strong appeal for the planting of flowering shrubs. No place, said he, is so small but that it can be adorned with a choice selection of a few flowering shrubs suitably disposed as specimens, whilst in places of larger area, groups and masses are indispensable not alone for their merit of flowering but to soften hard lines, and give variety and detail to the planting scheme. Hydrangea paniculata came in for mention as a shrub freely planted on account of the publicity given to it by advertising and the lecturer thought that there were many other shrubs that could be pushed with advantage. Forsythia was noted as one of the first shrubs to open its flowers. It is an old garden shrub, a native of China and Japan and named after Wm. Forsyth, gardener to a former King of England. Fothergillia alnifolia was noted as a choice, early, white flowering, native shrub flowering before the leaves appear.

The spireas he described as a great and most important family, with representatives scattered all over the northern hemisphere and comprising the most important flowering shrubs. The first to flower is S. Thunbergi a native of Japan with white flowers borne in myriads enwreathing the shoots in snowy plumes followed by the graceful feathery foliage. In succession to it comes the double plum leaved S. prunifolia, a native of China and Japan, a showy and profuse bloomer, in fact, quite one of the best shrubs for any garden, small or large. S. Van Houttei comes next in succession, but for American gardens it may be considered the best of all the spireas, so full and graceful in bloom, having the additional attractiveness of developed leafage at the time of its flowering. Its tall, wand-like shoots are borne outwards and drooping with the weight of blosom so that the bushes become veritable fountains of flowers. It is a hybrid between two other species and of garden origin.

S. Cantoniensis, a Chinese species, perhaps better known in gardens as S. Reevesi, is also a first rate kind and there are both single and double flowered forms of it. Another section of the spirea family which carries on the flowering through June, July and August includes S. Japonica and Bumalda, of which the variety Anthony Waterer is one of the very best, being dwarf and free and a persistent bloomer. A third section blooming from summer on into early fall is characterized by having flowers in crowded, plumy spikes, terminating slender, upright shoots, as in our native hardhack, S. tomentosa. It would be a large plantation to adequately represent the decorative possibilities of spireas alone. Cydonia Japonica, the Japanese quince, called also the fire bush because of the brilliant color of some of its red flowered forms, is a host in itself. It has been in cultivation nearly 100 years and is very prolific in varieties. Lilacs, philadelphus, deutzias, exochorda, viburnums and weigelas all come in for more or less notice and the lecturer also called attention to the value of the magnolia, judas tree, dogwood, halesia and the many varieties of apple, peach, pear, plum and cherry, not as shrubs but as useful trees.

HYDRANGEA PETIOLARIS AT NORTHAMPTON, MASS.

BOX TREES.

Beautiful shapely plants in fine condition and in nice green tubs.

PYRAMIDAL.

	Each	Per Pr.		Each	Per Pr.
3 -ft high	2.50	5.00	4 -ft high	$ 4.00	$ 7.00
3½-ft high	3.00	6.00	5 -ft high	7.00	13.00
			6 -ft high	8.00	15.00

STANDARD OR TREE SHAPED BOX.
Full, compact, well shaped.

	Each	Per Pr.
24-inch clear stem, crown 18 to 20 inches	$ 2.50	$ 4.50
24-inch clear stem, crown 24 inches	3.50	7.00
18-inch clear stem, crown 34 inches	4.50	8.00
24-inch clear stem, crown 34 inches	6.00	10.00

GLOBE SHAPED BOX TREES.

	Each.
18-inch diameter Globes	$ 1.50

BABY BOX TREES, 12 - 18-in. Stem.

Crown 10-inch diameter ..... 50c each; $5.00 per dozen.
Prices include trees planted in nice, new green tubs. Order at once.

BAY TREES. (Laurus Nobilis.)

STANDARD or TREE SHAPED

Crowns	Each
16 to 18 inch diameter	$ 5.00
20 to 22 inch diameter	6.00
24 to 26 inch diameter	7.00
30 to 32 inch diameter	10.00
34 inch diameter	12.00

PYRAMIDAL SHAPED

	Each
4 ft. high	$ 5.00
5 ft. high	8.00
6 ft. high	10.00
7 ft. high	15.00

COLUMN SHAPED TREES.

6 ft. high, base 22-24 in. ..... each, **$12.00**

ARAUCARIA EXCELSA.

SPECIAL OFFER. Strong plants from top cuttings in 4-inch pots, 6 to 8 inches high, with 2 to 3 whorls. Just the size to grow on for your fall sales. Every plant will make a 75c plant by October.

Order Now Before All Sold. **Price:** Per dozen, $5.00; per 100, $36.00.

VAUGHAN'S SEED STORE,

84-86 Randolph Street, CHICAGO
14 Barclay Street, NEW YORK.

Greenhouses and Nurseries: Western Springs, Ill.

Nurserymen at Milwaukee.

On the way to the Milwaukee Convention you should travel from Chicago via the beautiful north shore route of ***The North-Western Line,*** and thus have an opportunity to enjoy the beauty of a magnificent chain of Chicago's suburbs, with glimpses of splendid landscape gardening and a rip along the shore of beautiful Lake Michigan. Twenty-one trains a day between the two cities.

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LARGE TREES.

OAKS and MAPLES.
PINES and HEMLOCKS.
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA

THE

Storrs & Harrison Co.

PAINESVILLE NURSERIES.

CATALOGUES AND PRICE LISTS FREE ON APPLICATION.....

PAINESVILLE, OHIO.

To Improve Blackberries.

Professor H. Ness of the horticultural department of the Agricultural College, College Station, Tex., is making a series of tests to improve blackberries and dewberries by hybridizing and selection. He plans to interbreed erect blackberries with the prostrate dewberries so as to secure erect growing hybrids that will retain the excellency of flavor of the dewberry, and at the same time possess the stockiness of stem which characterizes the blackberry. The plants from which our present breeds of blackberries and dewberries are derived are usually picked up in the woods and afterward subjected to cultivation. There are a great number of varieties of dewberries and blackberries even in Texas. Prof. Ness plans to combine only the best and to develop a type that will be both commercially a success and also suited to this particular climate. He requests all persons interested in the development of this class of fruit to send him cuttings of promising plants. He further suggests that these plants be marked now and sent here in the winter. There is a wide field for investigation in the case of these two berries because so little has been done in the matter, and for the further reason of the multitude of varieties of both berries that exist in Texas.

CONVENTION OF THE

American Association of Nurserymen

Milwaukee, Wis., June 10-12.

The official route between Chicago and Milwaukee selected by the Committee on Arrangements for this Convention is the

Chicago Milwaukee & St. Paul Railway

The Phoenix Nursery Co.

NURSERYMEN AND FLORISTS
BLOOMINGTON, - ILLINOIS.

—OFFERS:—

10,000 **Asters,** 2¼-in. pots, assorted colors, good stock.
5,000 **Althernantheras,** 2-in. pots, red and yellow.
1,500 **Cannas,** 4-in. pots, named varieties.
250 **German Ivy,** 2½- and 3-in. pots.
300 **Heliotrope,** 4-in. pots.
600 **Lantanas,** 2½-pots, named varieties.
500 **Lobelia Speciosa,** 2½-in. pots.
5,000 **Geraniums,** 4-in. pots, d'ble and single, pink white and red; all good kinds.
2,000 **Verbenas,** 2-½in. pots.
500 **Vinca Variegated,** 2½-in. pots.
500 **Dusty Miller,** 2-in. pots.
5,000 **Coleus,** 2½-in. pots, Golden Bedder, Verschaffelti and other varieties.
1,000 **Smilax,** 2-in. pots.
3,000 **Salvias,** 2½-in. pots, Zurich and St. Louis.

The above stock is first-class and in fine condition. Will make special low prices.

—WRITE US—

ARBOR VITÆ

(Thuya Occidentalis.)

A splendid stock of 3 to 4 ft, and 4 to 5 ft. trees.
Write for descriptions and prices.
THE WM. H. MOON CO.,
Morrisville, Pa.

AZALEAS (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Coniters, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Jacs Smits, Ltd. NAARDEN, (Holland.)

Price list free on demand.

Peony Surplus List

NOW OUT.

Send for one. Low prices. Fine stock.

PETERSON NURSERY,
Lincoln and Peterson Avenues, CHICAGO

HYDRANGEA OTAKSA

Large Plants in Tubs and Half-Barrels for July and August Flowering.

We make a specialty of these, and have a magnificent lot of large plants, which we can supply in any quantity—from single plants up to carload lots.

Large Plants in Tubs.....$2.00 and $3.00 each. Extra Large Plants in Half-Barrels .....$5.00 and $7.50 each.

We can supply also a fine lot of plants in 6-in. pots, now in bud and bloom, fine for immediate sale or Decoration Day trade, at **$5.00 per dozen.**

VINCAS and ENGLISH IVIES. Extra fine plants in 3½ and 4-in. pots, for vases, tubs, etc. **$8.00 per 100; extra size, $10.00 per 100.**

FRENCH MARGUERITES in bloom. Large plants, 6-in. pots, extra fine, **$5.00 per dozen.**

CANNAS. Started plants in 3½ and 4-in. pots, ready for immediate planting. Mme. Nardy, Mlle. Berat, Robert Christie, Golden King, Pennsylvania, L. Patry, Florence Vaughan, Pandora, Austria, Souv. d'Antoine Crozy, Rohallion, Pierson's Premier, Queen Charlotte, Frederick Benary, etc. **Extra strong plants, $6.00 per 100.**

PANSIES, ENGLISH DAISIES and FORGET-ME-NOTS. $3.00 per 100.

CROTONS for bedding. Extra strong plants, 3½-in. pots, **$25.00 per 100;** 5-in. pots, **$50.00 per 100.**

ACALYPHA MUSAICA. Extra choice, for bedding. 2½-in. pots, **$6.00 per 100.**

PANDANUS VEITCHII. 5-in. pots, **$9.00 per dozen;** 6-in. pots, **$12.00 per dozen;** larger plants, **$2.00 to $3.50 each**—according to size.

FICUS ELASTICA. 5-in. pots, **$4.00 per dozen;** 6-in. pots, **$6.00 per dozen.**

DRACENA FRAGRANS. Extra large plants in 6-in. pots, 3 ft. high, **$12.00 per dozen.**

FERNS, Assorted. Extra heavy plants, 2¼-in. pots, **$3.00 per 100;** 3½-in. pots, extra heavy, **$10.00 per 100.**

NEPHROLEPIS PIERSONI ELEGANTISSIMA. 2¼-in. pots, **$6.00 per 100;** 3½-in. pots, **$15.00 per 100;** 6-in. pots, **$6.00 per dozen;** 8-in. pots, **$12.00 per dozen.**

BOXWOOD, Pyramids. Extra fine plants, **$2.00 and $3.00 each.**

CARNATIONS, Winsor and White Enchantress. We can supply these in quantity, ready for immediate planting. Strong established plants from 2¼-in. pots, **$7.50 per 100, $60.00 per 1,000.**

F. R. PIERSON CO., Tarrytown-on-Hudson, New York.

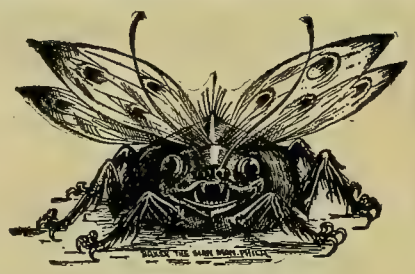
Uses of the Prickly Pear.

Consul-General Orlando H. Baker, of Sydney, New South Wales, furnishes information concerning the prickly pear in Australia and the counter opinions prevailing as to whether it should be eradicated as a pest or cultivated for its commercial uses:

The invasion of the prickly pear, which has rendered thousands upon thousands of acres of good pastoral and agricultural land in New South Wales and the adjoining states useless, is a problem that has been brought more to the front of late by the big bonus offered by the Queensland government for an effective means of eradicating the pest on a wholesale scale. At the same time, there is a question of whether this seeming pest has not its commercial uses. Regarding the subject from this point of view, a Brisbane chemist has, as a result of experiments, accumulated quite a number of means of turning the prickly pear to useful and highly remunerative account. He sees in this despised plant commercial possibilities quite alluring, and calculated rather to encourage its cultivation than its ruthless destruction.

In his report the Brisbane chemist gives a number of uses to which the prickly pear may be put. Among them he names alcohol, tests showing that seven gallons could be secured from a ton of prickly pear; feed cake for stock feeding; strawboard and paper; and pulp, which may be pressed by hydraulic force into household articles, floorcloth, etc. Prickly pear also contains much saccharine matter which makes an excellent sugar. The most practical use yet found for the prickly pear of the southern portion of the United States has been for stock feeding. The Department of Agriculture is encouraging the employment of a plumber's torch to scorch off the spines; when this is done it makes such an excellent food for cattle that they may be sustained on it alone, without other food or water, for many months through a dry season.

BOONE, IA.—Martin J. Lockard has commenced work on the erection of greenhouses at Sixteenth and Story street and the work will be pushed as rapidly as possible until the structures are completed. The houses when completed will be as modern and up-to-date as possible. Mr. Lockard stated that he hoped to have the greenhouses completed by this time next month and plants started. He has secured the services of an expert grower, who will be here shortly to take charge of the plant.



GERANIUMS.

S. A. Nutt, John Doyle and some pink, 4 in. pots, $7.00 per 100; and mixed varieties.

Begonia Vernon, newest strain, flowers as dark as blood: seeds gathered by myself from specimen plants in Zurich, Switzerland, during my trip to Europe; 4-in. pots, $8.00 per 100; 3-in., $6.00 per 100.

Begonia Erfordi, true: this is one of the best pink varieties known: it is a sight to see a bed of them in bloom: nothing but a mass of flowers. This plant decorates the flower beds of aristocratic people in England Germany, Switzerland and Paris. Price: 4-in., $8 00 per 100; 3-in., $6.00 per 100.

	Per 100
Nasturtiums, dwarf, all shades, 3-in. pots	$4.00
Heliotropes, 4-in. pots	7.00
3-inch pots	5.00
Fuchsias, best varieties, 4-in. pots	7.00
Fuchsias, best assortment, 2½ to 3 in., in bud	4 00
Cosmos Grandiflora, white, red or pink, 3 plants in a 3 in. pot	4.00
Cannas, French best varieties, about 12 different, distinct varieties by name, 4-in. pots	$7.00 to 8.00
Cobea Scandens, nicely staked up, 4 in., 10c	
Petunias, California Giant, 3-in. pots	4 00
Inimitable or dwarf, 2½-in	3.00
Verbenas, all shades 2½-in	3.00
Phlox Drummondi, 2½ to 3-in., Grandiflora varieties	3.00
English or **Hardy Ivy,** 3 feet high, 4-in., 12c	
Centaurea Gymnocarpa or **Dusty Miller,** 2½-in	3.00
Lobelia, dwarf or trailing, 2½in. (Crystal Palace)	3.00
Sweet Alyssum, Carpet of Snow or Little Gem, 2½-in	3.00
Vinca Variegata or **Perriwinkle,** 4 in	10.00
2½-in	4.00
Coleus, Queen Victoria, Golden Bedder, Verschaffelti, 2½-in	3.00
Fancy varieties	4 00
Tradescantia, 2½-in., two best varieties	3.00
Torenia Fournieri, 2½-in. pots	3c
Salleroi Geraniums, for borders, strong plants	4.00
Summer Chrysanthemums, 3-in. pots	4.00

Everybody Talks About It!

LIKE THE BEE

A Prosperous Florist Is Never Idle.

So is **GODFREY ASCHMANN,** the Philadelphia Hustler.

An immense stock of bedding plants is now ready. Every hole and corner full for immediate shipment.

Ageratum, dwarf, best blue, 4 in., $7.00 per 100: 3-in., $4.00 per 100.

Scarlet Sage or **Salvia,** Clara Bedman or Bonfire. Ours is the true genuine variety so much admired in all the capitals of Europe and America. Deep red medium tall varieties; free bloomers. Seeds of these famous varieties were gathered by myself in Zurich Switzerland the home of the Salvias. Price; 4-in., $8 00 per 100. Have 5,000 of these to offer.

Rose Bushes, imported from Europe last fall, 3 feet high, Paul Neyron, Mrs. John Laing, Magna Charta, Jacqueminot, Hermosa, 6 in. pots, 35c; Baby Rambler, 5½-in., 35c.

Clematis, the true Jackmani, 6-in. pots, 3 feet, 35c to 40c.

Don't Forget We Lead the World in

MOONVINES.

Watch and be careful you don't buy Morning Glories for Moonvines.

We grow only the best varieties, hybrid or **Ipomoea Noctiflora,** for which we have had, for the past 20 years, a world-wide reputation. We ship every season, May and June, 20 000 to 25.000 plants into every state and territory in America, and in Cuba and Mexico. This Moonvine is much earlier than any other variety in existence; blooms freely, with very fragrant, pure white waxy flowers, and as large as a saucer. Price: 4-in. pots, nicely staked up, 30 to 36 inches high, $12.00 per 100; 2½-in. pots $5 00 per 100.

Kentia Belmoreana, 5¼-in. pots, 20 to 25 in. high, 40c to 50c; 4-in. pots 20-in. high, 35c; 6-in., just received from Europe, **Belmoreana** and **Forsteriana,** $1.00 each.

Araucaria Excelsa Glauca, spring importation, 1907: have only specimen plants left. 7-in. pots, 6 years old, 5 tiers 25, 30, 35 to 40 in. high, the same in width $1.50, $1.75, $2 00 $2.50, $3.00 to $4.00 each. **Robusta Compacta,** the same.

Have just received from steamer, May 1, from Antwerp, a big consignment of about 5,000 **Araucaria Excelsa,** of all sizes. Plants with 3 tiers, 8 to 10 in. high, 40c; 10, 12 to 14 in., 50c; larger sizes, 60c to 75c.

All goods must travel at purchaser's risk only. Cash with order, please.

GODFREY ASCHMANN, 1012 W. Ontario St., Philadelphia

Importer, Wholesale Grower and Shipper of Pot Plants.

PASADENA, CALIF.—Professor R. Hamilton Mohler, a well known landscape artist, will conduct a party of South Pasadena artists on a trip to the desert, where they will study nature as she appears on the arid wastes.

San Francisco.

SPRING FLOWER SHOW.

The following report of the spring flower show May 15-16, was given by the Pacific Coast Horticultural Society and the California State Floral Society. "Although not a financial success, this was one of the best shows ever held here. The competition for nearly all the prizes offered was very keen, especially for the field-grown roses, carnations, sweet peas, and the floral designs. The amateur classes were also well filled by exhibits from a number of the ladies belonging to the California State Floral Society" The following were awarded prizes:

Ferrari Bros. received first prizes for best vase of American Beauty roses, best vase of Winsor carnations, best vase of lilies, best collection of iris.

John H. Sievers & Co. carried off first prizes for largest and best collection of carnations, also for best collection of pelargoniums.

J. A. Carbone received first prize for a fine vase of Mrs. John Laing roses grown outdoors.

Domoto Bros. received first prizes for best three vases of roses grown under glass different varieties, for best vase of iris, and second prize for collection of carnations.

Wm. Munro, superintendent for the Crocker estate, had the first prize for a fine vase of Richmond roses.

Clees, Jacobsen and Fick, who each have an equal interest in a new yellow seedling carnation, received the highest award for it. It promises to be a great carnation for the future, very large flower, good calyx, long stiff stem, good clear yellow color and seems to be free blooming.

E. Gill carried off first prizes for best collection of field-grown roses and for best collection of rhododendrons.

F. Ludemann received second prizes for collection of field-grown roses and collection of rhododendrons.

E. Hutchinson, gardener for A. Taylor, Menlo Park, was awarded first prize for an excellent vase of Ulrich Brunner roses grown outdoors.

Wm. Kettlewell, gardener to Geo. A. Pope, Burlingame, carried off first prizes for the following: Best collection of annuals, best collection of perennials and best 12 vases of sweet peas, different varieties; also a silver medal for best new seedling rose; second prizes for vase of outdoor roses, collection of outdoor pelargoniums, peonies and pansies.

C. C. Morse & Co. were awarded first prize for a grand collection of sweet peas, amongst which were some very fine new seedlings, for one of which they received a silver medal.

Chas. Ehrlich, gardener to S. E. Slade, Menlo Park, received prizes for field-grown roses, sweet peas; also a special prize for some very fine indoor cucumbers.

Chas. Fick received second prize for a vase of lilies.

F. Redmayne of San Rafael, was awarded prizes for collections of shrubs and annuals.

H. Plath carried off the first prizes for best collection of decorative plants, best collection of ferns and best fern dish; also special prizes for specimen ferns.

Chas. Abraham received first prizes for specimen decorative plants and specimen fern.

Pelicano Rossi & Co. were awarded first prize for the most artistically arranged basket.

The keenest competition was for the best floral design—not funeral. Seven of the most prominent retailers entered as many different designs, all of which were very elaborate and well done and some of them very original. The first prize was awarded to the Art Floral Co. for a design of the battleship Connecticut made out of Cape flowers and immortelles. The first prize is a handsome silver vase offered by the growers to the florists. The second prize, a gold medal, was awarded the Belmont Florist for a very original and artistic piece—an old fashioned well with buckets and windlass. This was made out of ferns, lycopodium and different colored foliage. The third prize, a silver medal, was awarded to the Forrest Floral Co. for an American flag, made out of carnations, cornflowers and asparagus. A fine collection of California wild flowers, consisting of over 200 different varieties exhibited by Mrs. Chandler, received a gold medal.

The following were judges for cut flowers and plants: John MacLaren, T. Wood and N. Peterson; for the floral designs, V. Podesta, N. Peterson and Mrs. Chandler.

The J. B. Boland Co., which was burned out May 4 with a total loss, has again opened a store at 60 Kearny street.

P.

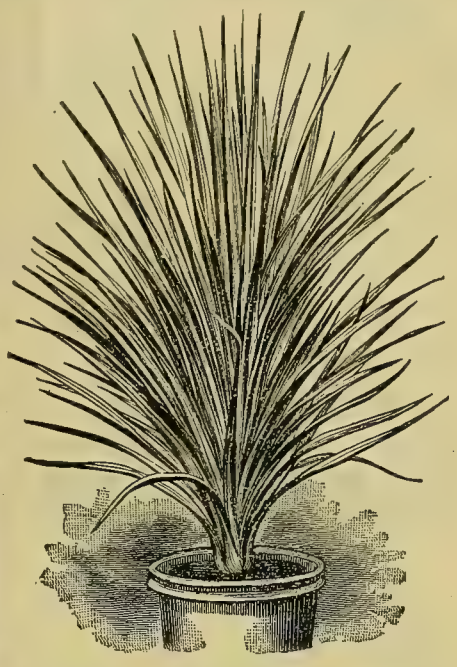
HYDRANGEAS

Fine plants, well flowered, good value in each size from 25c to $4.00 each.

ARAUCARIAS.

We have a specially fine lot of Araucarias—the plants at $1.00 each are extra value for the money.

4-inch.....50 cents each
5 " .....75 " "
6 " .....$1.00 each



KENTIAS

			Per doz.
Kentia	Belmoreana,	5-in.	$ 7.20
"	"	5-in. strong	9.00
"	"	6-in.	12.00
"	"	6-in. strong	15.00
"	Forsteriana,	5-in.	7.20
"	"	5-in. strong	9.00
"	"	6-in.	12.00
"	"	6-in. strong	15.00

ROSES IN POTS AND OUTDOOR.

Prairie Queen, 3 to 5 feet, 15 to 35c each. Per 100
Ramblers, Crimson, 2 feet, 15c.
" Baby, 3½-inch pots .....$ 6.00
Sweet Brier, 2 to 3 feet, 10c to 25c each.
1 Lot Hybrid Perpetual, 5-inch, asst. varieties, pot grown 15.00

ROSES.

Brides, 3-in. pots..... 3c
Maids, 3-in. pots 3c
Chatenay, 3-in. pots..... 3c
Baby Ramblers, 3-in. pots..... 6c
Uncle John, 1-year-old, in bloom, 6-in..... 15c
Chatenay, 1-year-old, in bloom, 6-in..... 15c
Hardy hybrid perpetuals, $15 per 100; $2 per doz.

		Per doz.	Per 100
Asparagus	Plumosus, 3-inch.....	.75	$ 6.00
"	Sprengeri, 4-inch.....	1.25	10.00

Cycas Revoluta.

4-inch .....25 cents each
5 " .....35 " "
6 " .....50 " "
7 " .....75c to $1.00 each
8 " .....$1.25 to $1.50 "

If we do not confine ourselves to the exact size of pot specified, we shall see that stock of good value for the money is sent on every order.

Perennials in pots.

Coreopsis lanceolata, 5-in..... 10c
Campanula in variety, 5-in..... 12c
Campanula in variety, 6-in..... 15c
Campanula in variety, bud and bloom, 6-in 35c
Sweet William, 5-in..... 12c
Lychnis C., 3½-in..... 5c
Ampelopsis Veitchii, 2-in., ...$2.50 per 100

	Per doz.	Per 100
3-in. Perennials for pots.....	75c	$5.00
Sweet William, 4-in.	75c	5.00
Garden pinks, 4-in.	85c	6.00
Myosotis Forget-me-not	60c	4.00
Lychnis Chalcedonica, 3-in.	85c	6.00
Foxglove, 3-in.	85c	6.00
Achillea [Ptarmica (2)], 3-in.....	75c	5.00
Pentstemon Hybrids		
Canterbury bell, 4-in.	85c	6.00

DRACÆNA INDIVISA.

This most useful plant is always in great demand in spring. Better secure your stock now. Fine plants in the following sizes and prices:

			Per doz	Per 100
Dracaena	Indivisa,	4-in....	$ 2.00	$12.00
"	"	5-inch....	3.00	20.00

COBŒA SCANDENS

$8.00 per 100.

Alternanthera, Red,.....$3.00 per 100

Perennials in Pots, One Year Old.	Per 100
Dianthus, Sweet William, 5-inch pots....	$10.00
Coreopsis Lanceolata, 5-inch pots.....	8.00
Campanula, asst., 6-inch pots.....	12.00

Perennials, last fall's sowing from cold frames

Hollyhocks, double, white, pink and red.
Aquilegia Canadensis and N. Grandiflora.
Gaillardia grandiflora superba.
Myosotis semperflorens (forget-me-not).
Delphinium Chinensis also alba.
Digitalis Glox.
Shasta daisy, pansies, daisy or bellis, $2 per 100.

THE GEO. WITTBOLD CO., 1657 Buckingham Place, CHICAGO.

Geraniums!

S. A. Nutt, large and well-grown plants, in bud and bloom, $7.00 per 100; in large or small quantities, out of 3½ in. pots. Cash.

STEPHEN CHASE, Nashua, N. H.

Special for Decoration Day

Fine 5-in. Geraniums at $15.00 per 100.

Fine stocky plants in bud and bloom, 2¼-in. $3 00; 3-in. $5.00; 4-in. $8.00; Nutt, Ricard, J. Viaud M. Chevalier, E. Jaulin, Dryden, F. Perkins, Hill.

Pansies.

Extra fine strain in bud and bloom, $1.90 per 100; $17.00 per 1000.

Coleus.

Assorted rooted cuttings 75c per 100; 2¼-inch $2.50 per 100.

Asparagus Plumosus, 4-in. $10.00 per 100.
Asparagus Sprengeri 2¼-in. $3.00; 3-in $5.00,
Cannas, $8.00. **Caladiums,** 15c and 20c each.

Cash or C. O. D.

W. J. & M. S. VESEY,
Fort Wayne, Ind.

PROTECTS BUYERS.

AMERICAN FLORIST CO.:- I buy a good many plants and always expect just what I order when I buy of advertisers in the AMERICAN FLORIST.

D. H. STEDMAN.

Glouster, O., May 11, 1908.

Own-Summer Grown

ONE YEAR OLD.

$2.50 per 100
Baby Rambler
Clothilde Soupert
Dorothy Perkins
Mme. A. Chatenay

$2.75 per 100
Hermosa
Maman Cochet
Malmaison
Etoile de Lyon
Helen Gould
Lady Gay
M. Neil
Notting
Meteor
White Maman
Albany
La France

ROSE PLANTS

$3.00 per 100
Mme. C. Wood
P. C. de Rohan
Mme. Plantier
Genl. Jacq.
Black Prince
Mme. Masson
Kaiserin
Paul Neyron

$3.50 per 100
Capt. Christy
Magna Charta
Etoile de France
Mme. J. Guillemot
Mrs. J. Laing
Helen Good
Killarney

$5.00 per 100
J. B. Clark
Druschki

$8.00 per 100

C. M. NIUFFER, Springfield, O.

CARNATIONS

From Pots. Healthy stock.

	Per 100	1000
Winsor, White Enchantress,	$7.00	$60 00
Helen M. Gould	6.00	50.00
Melody, Kingston Pet	5.00	
Daheim, Estelle, Enchantress, Lady Bountiful, Red Lawson, Variegated and White Lawson	4.00	35.00
Mrs. T. W. Lawson, Boston Market, Harlowarden	3.00	25.00

Send for Catalogue.

WOOD BROTHERS
FISHKILL, N. Y.

Afterglow

Strong Rooted Cuttings now ready,
$12.00 per 100; $100 per 1000.

R. WITTERSTAETTER,
(Originator)
Station F. CINCINNATI, O.

Jensen & Dekema

CARNATION SPECIALISTS

674 W. Foster Ave., CHICAGO.

RICHMOND, IND.—E. G. Hill left May 20 for Europe, where he will tell the many interested horticulturists about our coming National Flower Show, to be held at Chicago, November 6-15. Incidentally he will officiate as judge at a Paris rose show.

LITTLETON, COLO.—Another new institution has been started by an old time citizen, S. T. Culp, who is laying the walls for a greenhouse, 40x80 feet. A modern system of heating by hot water is being installed and the work will be pushed. The cost of the building and heating apparatus will be about $3,500.

ROCHESTER, N. Y.—While driving along the turnpike just outside the city limits, May 19, H. W. Fuller of Springboro, Crawford county, Pa., a traveler for a nursery concern in this city, was held up by a stranger who walked into the middle of the road and, without saying a word, drew a revolver and fired at Fuller while he was only 20 feet away. The bullet struck the side of the carriage, and glancing, penetrated Fuller's side. When Fuller toppled over, the highwayman turned and ran. His wound is not serious.

Rose Plants

From 2½-inch Pots.

	Per 100	Per 1000
Bride	$2.50	$22.50
Bridesmaid	2.50	22.50
Uncle John	2.50	22.50
Ivory	2.50	22.50
Chatenay	2.50	22.50
Sunrise	4.00	35.00
Perle	4.00	35.00
Kate Moulton	4.00	35.00
Richmond	3.00	25.00
Killarney	5.00	40.00

Bench Plants

	Per 100	1000
Richmond	$4.00	$35.00
American Beauty	6.00	50.00

PETER REINBERG

51 Wabash Ave., CHICAGO.

ROSES. ROSES.

Mrs. Potter Palmer 2½- in. strong, $15.00 per 100; $125.00 per 1000; 2000 or more $115.00 per 1000. 3½-in. $18.00 per 100; $150.00 per 1000.

Cardinal 2½-inch $6.00 per 100; $55.00 per 1000. 3½-inch $8.00 per 100; $75.00 per 1000.

Maids, Richmond, Sunrise, Uncle John, 2½-in. strong stuff, $4.50 per 100; $40.00 per 1000.
3½-in. Maids, Kaiserin, ready May 20th, $6.50 per 100; $60.00 per 1000.
Benched Beauties, cut back, $6.50 per 100; $55.00 per 1000.

Chrysanthemums, best list of commercial varieties. See classified ad. page 914.
Snapdragon, Pink and yellow, clear colors, 2½-in. $4.00.
6-in. **Plumosus** $20.00 per 100

POEHLMANN BROS. CO., Morton Grove, Ill.

Grafted Roses for Forcing

BRIDE, KAISERIN, RICHMOND, BRIDESMAID, KILLARNEY, WELLESLEY } $10.00 per 100 $100.00 per 1000

JACKSON & PERKINS CO.
Wholesale Florists and Nurserymen. Newark, Wayne Co., N. Y.

A. F. LONGREN

Rooted cuttings and plants of
CARNATIONS and CHRYSANTHEMUMS
—MY SPECIALTY—
Des Plaines, - Illinois.

JOHN E. HAINES,

BETHLEHEM, PA.,

is the place to order rooted cuttings of the following varieties for 1908.

	Per 100	Per 1000
John E. Haines, red	$6.00	$50.00
Imperial, variegated	6.00	50.00
Pink, Pink	6.00	50.00
Enchantress, Light pink	6.00	50.00

ROSES

A SPECIALTY.
The Dingee & Conard Co.,
WEST GROVE, PA.

Roses...

Good strong 3-year-old Bench Plants, 2 000 MAIDS, 2,000 BRIDES, $5.00 per 100; $45.00 per 1000. Ready to ship about June 15.

LAMBORN FLORAL CO.,
ALLIANCE, OHIO

Big Bargains IN Leedle Roses

Splendid one and two-year-old.

Hybrid Perpetuals.

	2½-in. 100	2½-in. 1000	4-in. 100
Anna de Diesbach	$3.00	$30.00	$5.00
Ball of Snow	3.00	30.00	
Captain Christy	3.50	35.00	
Francois Levet	3.50	30.00	7.00
John Hopper			5.00
La Reine	3.50	30.00	7.00
Madame Masson			5.00
Madame Plantier			5.00
Magna Charta			5.00
Margaret Dickson	4.00	40.00	7.00
Mrs. John Laing			5.00
Paul Neyron	3.50	30.00	5.00
Roger Lambelin	3.50	30.00	

Hardy Assorted.

Anny Muller (Pink Baby Rambler)	5.00	45.00	15.00
Mme. Norbert Levavasseur (Crimson Baby Rambler)	2.50	25.00	5.00
Hermosa (Bourbon)	2.75	27.50	5.00
Souv. de la Malmaison (Bourbon)	3.00	27.50	5.00
Conrad F. Meyer (Hybrid Rugosa)	4.00	40.00	
Moss, red, pink, and white	4.00	40.00	8.00

Hardy Climbers.

Baltimore Belle	2.50	25.00	5.00
Crimson Rambler	2.50	25.00	
Debutante	2.50	25.00	8.00
Dorothy Perkins	2.50	25.00	5.00
Hiawatha	2 75	27.50	8.00
Lady Gay	2.75	27.50	
Philadelphia Rambler	2.50	25.00	
Pink Rambler (Euphrosyne)	3.00	25.00	5.00
Prairie Queen	2.50	25.00	5.00
South Orange Perfection	2.50	25.00	8.00
Tennessee Belle	2.50	25.00	5.00
Universal Favorite	2.50	25.00	8.00
Wichuraiana (Memorial)	2.50	25.00	

Hybrid Teas.

Antoine Rivoire	2.75	27.50	6.00
Antoine Verdier	2.50	25.00	
Bessie Brown	2.75	27.50	6.00
Etoile de France	3.50	35.00	
Kaiserin Augusta Victoria	3.00	30.00	
KAISERIN GOLDIFOLIA	20.00	175.00	50.00
La Detroit	2.75	27.50	
Mlle. Helene Gambier	2.75	27.50	6.00
Rosalind Orr English	3.00	30.00	
Souv. de Pres. Carnot	3.50	30.00	6.00
Striped La France	3.00	27.50	6.00
Wellesley	3.50	30.00	
White La France	3.00	27.50	6.00

Teas.

Bougere	2.50	22.50	8.00
Christine de Noue	2.75	27.50	
Devoniensis	2.50	25.00	
Duchesse de Brabant	2.50	22.50	
Etoile de Lyon	3.00	27.50	
Mme. de Watteville	2.75	27.50	8.00
Mme. Lambard	2.75	27.50	8.00
Mme. Welche	2.75	27.50	
Mlle. Francisca Kruger	2.50	25.00	
Maman Cochet (Pink)	3.00	27.50	
Marie Guillot	2.50	25.00	
Marie Louise	2.50	22.50	8.00
Sunrise	4.00	35.00	6.00
Sunset	3.50	35.00	9.00
The Queen	2.50	25.00	
White Bougere	2.75	27.50	

Climbing T., H. T. and N.

Climbing Devoniensis	3.00	25.00	
Climbing Kaiserin	3.00	27.50	
Empress of China	2.50	25.00	6.00
Mme. Wagram	3.00	30.00	6.00
Marechal Niel	3.50	30.00	10.00
Mary Washington	2.50	25.00	6.00

Vinca Variegata.

Strong, 2½-in., $2.25 per 100; $20.00 per 1000.

THE LEEDLE FLORAL COMPANY, SPRINGFIELD-OHIO

CEDAR RAPIDS, IA.—Secretary Wesley Greene of the State Department of Horticulture, has issued a bulletin giving the status of the fruit crop of the state as follows: Apples 60 per cent, pears 44, American plums 47, European plums 27, Japanese plums 18, cherries 46, peaches 32, grapes 60, blackberries 75, strawberries 73.

GRAFTED ROSES.—Novelties.

Mrs. Jardine, Rhea Reid, Queen Beatrice.

The above, $6.00 per doz., 50 plants for $18.00 $35.00 per 100.

MY MARYLAND, 50c each, $5.00 per doz., $35.00 per 100.

On own roots, 2½-in. pots, $25.00 per 100, $2.00 per 10, 3-in. $5.00 per doz.

STANDARD VARIETIES.

Aurora, Bon Silene, Bride, Bridesmaid, Enchanter, Etoile de France, Franz Deegan, General McArthur, Hermosa, Kaiserin Augusta Victoria, Kate Moulton, Killarney, La Detroit, Maman Cochet, Marechel Niel, Mme. Abel Chatenay, Mme. Hoste, Mrs. Pierpont Morgan, Papa Gontier, Rosalind Orr, English, Souv. de Wooton, Wellesley, White Cochet.

GRAFTED, 2¼-inch pots, 20c each, $2.00 per doz., $15.00 per 100, $120.00 per 1000.

OWN ROOT ROSES.

From 2½-inch pots, repotted from 2-inch.

Killarney, Bride, Bridesmaid, Ivory, Richmond, Mme. Abel Chatenay, Aurora, $1.00 per doz. $6.00 per 100, $50.00 per 1000.

From 2-inch pots, ready for shipment, $3.50 per 100. $30.00 per 1000.

MISCELLANEOUS PLANTS.

AGERATUM, Stella Gurney, Princess Pauline.
HELIOTROPE,
Rooted cuttings 75c per 100, $6.00 per 1000.

COLEUS.

Verschaffeltii, Golden Queen, Fire Brand, Lord Palmerston, Queen Victoria, Beckwith's Gem. Prices of rooted cuttings by express, 60c per 100; $5.00 per 1000. Less than 250 of a variety will be charged at the 100 rate.

Golden Bedder, Hero, Messey, Pearl of Orange, 75c per 100, $6.00 per 1000. Less than 250 of a variety will be charged at the 100 rate.

Fancy varieties, a very fine assortment of twelve kinds not listed above; 75c per 100, $6.00 per 1000. 250, in assortment, our selection, at the 1000 rate.

Asparagus Plumosus Nanus Seedlings

From flats, $10.00 per 1000.

CHRYSANTHEMUMS.

Ready for Shipment.

Virginia Poehlman, Angele Laurent, Golden Dome, Mlle. Jeanne Rosette, Money Maker from 2¼-in. pots, $2.00 per doz. $10.00 per 100.

Mrs. Clay Frick, Zimmers Yellow, Mary Mann, from 2¼-in. pots, $1.00 per doz., $6.00 per 100.

Rooted cuttings, $5.00 per 100.

CHOICE POMPONS, Klondyke, Quinola.

CHOICE SINGLE VARIETIES, Kitty Bourne, Mrs. Roberts, Amorita, from 2¼-in. pots, $1.00 per doz.

STANDARD VARIETIES

WHITE—Early: Geo S. Kalb, Polly Rose, Early Snow, October Frost. Mid-Season: Clementine Touset, White Shaw, Mrs. H. Robinson, Beatrice May Merza, Niveus, Alice Byron, Eureka, Miss Minnie Wanamaker, Adelia, Late: Mrs. McArthur, Timothy Eaton, W. H. Chadwick, Merry Christmas.

PINK—Early: Glory of the Pacific, Rosiere, Mid-Season: J. K. Shaw, Adelia, A. J. Balfour, William H. Duckham, Dr. Enguehard, Morton F. Plant. Late: Maud Dean, The Harriott, Mayor Weaver, Mrs James Marshall.

YELLOW—Early: Monrovia. Mid-Season: G. Pitcher, Col. D. Appleton. Late: Major Bonnaffon, H. W. Reiman, Yellow Eaton.

RED—Cullingfordi, Merstham Red, Matchless.

BRONZE YELLOW—Mrs. William Duckham, Old Gold.

POMPONS—Baby (Yellow), Lulu (White), Briolas (Pink).

From 2¼-in. pots, 5c each, 50c per dozen, $3.00 per 100, $25.00 per 1000. Rooted cuttings, $.200 per 100, $15.00 per 1000.

SMITH'S NOVELTIES FOR 1908.

Golden Glow, Pacific Supreme, White Cloud, 2¼-in. pots, $5.00 per dozen. Ready for shipment.

A. N. PIERSON, - Cromwell Conn.

60,000 Grafted Roses

	Per 100
Chatenay, Killarney, Richmond, Liberty, La France, 3½-in. pots	$18.00
Bride, Bridesmaid, Golden Gate, Kaiserin, 3½-in. pots	15.00

OWN ROOT ROSES.

Bride, Bridesmaid, Killarney, Richmond, Chatenay, 3-inch pots, $7.00 and $9.00 per 100.

50,000 VERBENAS.

In bud and bloom ....$2.50 per 100; $20.00 per 1000

Good varieties of COLEUS at Verbena prices.

J. L. DILLON, Bloomsburg, Pa.

1-year-old Bench Plants

	Per 100	1000
Beauties	$ 5.00	$ 40.00
Maids	2.50	20.00
Chatenay	2.50	20.00

From 2½-in. Pots.

Maids	$ 3.00	$ 25.00
Richmond	3.00	25.00
Moulton	3 00	25.00
Smilax	2.50	20.00
Poinsettias	4.00	35.00

No order for less than 100 accepted.

GEORGE REINBERG, 35 Randolph St., Chicago.

CINCINNATI, O.—Christopher Wingate, better known as Kit, favorably remembered by patrons of the flower markets of this city some years ago, and also by the old-time rifle marksmen of this vicinity, died suddenly on May 9, in Orange County, Fla., of paralysis, aged 74.

ROSES. STRONG, CLEAN STOCK.

Grafted Killarney, Richmond, Brides, and Maids $12.00 per 100; $110.00 per 1000. Own-root Brides, Maids, Gates, Ivory, Perle, Killarney and Richmond $6.00 per 100; $55.00 per 1000.

All from 3½-in pots.

P. R. QUINLAN, SYRACUSE, N. Y.

ROBERT CRAIG CO.

WELL GROWN YOUNG ROSES

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

RICHMOND, IND.—An addition is to be made to the greenhouses at Glen Miller park by the erection of a new one and the installation of a new heating apparatus.

Now is the time to place your orders for

Begonia Gloire de Lorraine, Cyclamen and Poinsettias.

I am well equipped to supply the above in any quantity at the following prices:

Begonia Gloire de Lorraine, 2½ in. pots (leaf cuttings), **$15** per 100; **$140** per 1000.

Cyclamen, per 100, 2½ in., **$5**; 3 in., **$7**; 4 in., **$15**; 5 in., **$20.**

Poinsettias, 2½ in., **$5** per 100; **$45** per 1000.

Satisfaction guaranteed.

S. S. SKIDELSKY

1741 N. 18th St., Philadelphia, Pa.

Swainsona alba, 2-in., 2c. **Heliotrope,** 2 in., 2c. **Feverfew,** 2-in., 2c. **Coleus,** 2-in., 2c. **Feverfew,** nice young plants, 75c per 100. 2-in. **Stock,** 2c. Stock **Princess Alice. Cuphea, Alternanthera,** red and yellow. **Vinca Variegata, Fuchsia, Artillery Plant,** 2-in., 2c. **Pansies,** in bud, $3.00 per 1000. **Ivy Geraniums,** 2-in., 2½c. **Rose Geraniums,** 2-in., 1½c. **Thunbergia,** 2-in., 1½c. **Dbl. Petunia,** 2 in., 2c. **Stevia,** dwf., 2-in. 2c. **Dusty Miller,** 2-in., 2c. **Sweet Alyssum,** dwf. single 2-in., 1½c. **Geraniums,** 2-in., 2c. **Shasta Daisy,** 2 kinds, 2½-in., 3c.

Rooted Cuttings prepaid per 100: **Flowering Begonias,** $1.25 per 100; **Paris Daisies,** yellow and white, $1.00 per 100; Alexandra $1.25. **Petunia,** double, 10 kinds $1.00; **Swainsona Alba,** $1.00. **Cuphea,** 75c. **Vinca Variegata,** 90c. **Alternanthera,** 3 kinds, 50c. **Coleus,** 10 kinds, **Ageratum,** White, Inimitable, 60c. **Salvia,** Bonfire, 90c. Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

Dracæna Indivisa,

Fine stock for Hanging Baskets.

Strong plants from 3-in. pots, $5.00 per 100; $45.00 per 1000; 250 at 1000 rate.

VICK & HILL CO.

P. O. Box 613, Rochester, N. Y.

Pure Apple Juice.

A leading European manufacturer of a nonalcoholic beverage from sterilized pure apple juice has furnished Consul-General Hugh Pitcairn, of Hamburg, with the following information regarding the difficulty of securing American dried apples of uniform quality:

"My experience has taught me that the difficult problem in connection with this industry, namely, to obtain in Europe a good, uniform product from American apples, often fails for the reason that the apple shipments vary too largely in regard to quality. If the apples are dried and pressed properly, an excellent beverage can be made therefrom. As it is impossible for the European manufacturer to buy apples direct from the producer, but is dependent upon the jobbers or commission merchants who buy up the goods in various places from various producers, the quality, while often good, is frequently very poor. Without payment in advance the European manufacturers cannot obtain their supply, and must, therefore, rely entirely upon the American jobbers with whom they have to deal, and, I am sorry to say, the users of my patent in Europe complain very much about the quality of American shipments received by them.

"The jobbers, however, are not wholly to blame, for the reason that the drying of apples in the United States is usually done on small farms or other agricultural establishments devoted to the raising of apples, and by the most primitive process. It would under no circumstances be advisable, as it would not be remunerative, to manufacture such beverages from fresh fruit. It being impossible to purchase in Europe large quantities of cheap, uniform fruit, if a company could be formed in the United States which would buy and furnish the supply of dried apples to the European manufacturers, it would accomplish great good in this direction." The names of five European factories making the apple juice referred to are listed at the bureau of manufactures.

The Fruit Auction Company

204 Franklin St., NEW YORK,

SELLS AT AUCTION EVERY DAY (excepting Monday), at 9 o'clock, a complete assortment of

PLANTS Ornamental, Decorative and Bedding.

PALMS All sizes and varieties.

Bulbs, Tubers, Etc.,

From Leading Growers and Importers.

TERMS: CASH. **PROMPT DELIVERY.**

NOTE.—Returns made to growers on day of sale.

Special preparations made for sales of Palms, etc., during June.

P. O. Box 640. **Phone 1512 Franklin.**

PALMS Home Grown.

ARECA LUTESCENS.

	Each	Doz.
6-in. pot, 3 plants, 24 to 26 in. high	$1.00	$12.00
7-in. pot, 3 plants, 30 to 32 in. high	2.00	24.00

COCOS WEDDELLIANA.

2½-in. pot, 8 to 10 in. high	.10
2½-in. pot, 10 to 12 in. high	.15

KENTIA FORSTERIANA.

9-in. tub, 4 plants, 4 ft. high, heavy 6.00

KENTIA BELMOREANA.

	Each	Doz.
6-in. pot, 6 to 7 leaves, 22 to 24 in.	1.00	12.00
6-in. pot, 6 to 7 leaves, 24 to 26 in.	1.25	15.00
6 in. pot, 6 to 7 leaves, 26 to 28 in.	1.50	18.00
6 in. pot, 6 to 7 leaves, 30 to 36 in.	2.00	24.00
7-in. pot, 6 to 7 leaves, 32 to 34 in., heavy	2.50	30.00

JOSEPH HEACOCK COMPANY, Wyncote, Pa.

FERNS.

2¼-inch Boston and Piersoni, extra strong	$ 3.50 per 100;	$ 30.00 per 1000
3 -inch " " " " "	7.00 per 100;	65.00 per 1000
4 -inch " " " " "	12.50 per 100;	100.00 per 1000
5 -inch " " " " "	25.00 per 100;	
6 -inch " " " " "	50.00 per 100;	
2¼-inch Scotti and Elegantissima, extra strong	4.00 per 100;	
3 -inch " " " "	8.00 per 100;	75.00 per 1000
2¼-inch Asparagus Plumosus " "	3.00 per 100;	25.00 per 1000
4 -inch " " " "	9.00 per 100;	85.00 per 1000
2¼-inch " Sprengeri, " "	2.25 per 100;	
3 -inch " " " "	5.00 per 100;	
4 -inch " " " "	8.00 per 100;	

THE MOSBÆK GREENHOUSE CO., ONARGA, ILL.

Boston and Piersoni Ferns.

2½-inch	$ 3.00 per 100
3-inch	6.00 per 100
4-inch	10.00 per 100
6-inch	.40 each.

Thomas Salveson, Petersburg, Ill.

Neph. Whitmani

2½-inch	$ 5.00 per 100
3½-inch	25.00 per 100

Boston Ferns 2½-inch, $3.00 per 100.

Henry H. Barrows & Son, WHITMAN, MASS.

Cycas Stems

NEW STOCK
ALL SIZES
Prices:

VAUGHAN'S SEED STORE,

CHICAGO, 84-86 Randolph St. NEW YORK, 14 Barclay St.

Bedding Plants.

If you are short of Geraniums, Cannas, Coleus or any other bedding plants, write us for list. (BARGAINS).

ROSES. We have a few extra nice plants in 2½'s and 3's, such as Killarney, Bride, Maid, Gate, Ivory, Chatenay, Beauty, Carnot, Richmond, Perle, etc.

FERNS. Bostons, 2½ to 10 in. Piersoni, Scottii, Elegantissima, Whitmani, Amerpohli, Plumosus, Sprengeri, Maidenhair, Small Ferns, etc., etc. Write us for list.

Chrysanthemums. White, yellow, pink, R. C. and 2-in.

GEO. A. KUHL,

Wholesale Grower, PEKIN, ILL.

Memphis, Tenn.

NO MEMORIAL DAY BUSINESS HERE.

Memorial day is not of any value to the florists of this city. The only observance of the day is at the National cemetery, six miles away, where 15,000 boys in blue lie in their last sleep. The local G. A. R. holds exercises in the morning, the colored G. A. R. in the afternoon. Magnolias, cape jasmine and field flowers are strewn on all the graves and addresses made, but the florists derive no benefit from the day. The Confederate Memorial day is June 3 and again the florists are given the go-by. The plant season is about over in this section and on the whole it has proved better than we expected. This is partially accounted for by the mild and favorable spring weather since March 1. Usually we jump from winter to summer, no spring season. Sweet peas are plentiful in our gardens now. Peonies are done for this season.

No building is projected here that we know of but the six carnation houses for the Memphis Floral Co., are now planted, making ten 100-foot houses this season against two last season devoted to this stock. Six 100-foot houses are now being planted to stock roses of the garden varieties and six houses for cut roses in four varieties. Twenty thousand chrysanthemum plants for cut blooms fill up all the available room at this place.

Chas. Botto, the popular attache of the office of the Memphis Floral Co. has a new four-cylinder automobile. Charley was always a favorite of the fair sex and is now doubly so on account of this new "Buzz" wagon.

Vacation talk is prevalent among the craft and dates are being set when this one leaves to let some one else have a chance. The owners and bosses are making dates as usual, but will they materialize?

No further sign of life in the erstwhile East End Floral Co. It is reported that Chas. Hammer, former manager and owner, is in Europe. H.

GERANIUMS

Good strong stock From 2-in. pots.

	Per 100	1000
Centaure, Double Genl Grant, El Chid, Miss Kendall, S. A. Nutt Granville, Jacquerie, Mrs E G Hill, etc	$ 2 00	$ 18 50
Alph. Ricard, Berthe de Presilly Jean de la Brete, Alice of Vincennes, etc	3 00	00
Double Dryden, E H. Trego, Peter Henderson, Telegraph etc	$ 4 00	$ 35 00
Eugene Sue, Mrs Lawrence, Paul Crampel, Mistral, Jean Oberlee, Col Thomas, etc	6 00	50 00
Rose, Nutmeg, Oak leaved and Balm	2 00	

A cordial invitation is extended to all interested in Geraniums to visit us during May and June to inspect our new stock houses, containing over 60,000 plants, and especially to see our new show house. In it there are over 300 varieties in full bloom, a splendid opportunity to compare the newer introductions with the old standards, and to select stock for next season. We will make a very liberal special prices on all orders booked during May and June for December delivery. We are at Cowenton on the B. & O. R. R. and at Chase on the Pennsy. We meet all trains.

PELARGONIUMS In good variety 3-inch pots, $1 50 per dozen, $6.00 per 100.

DAHLIA ROOTS Whole field clumps at $5.00 per 100 and up. Send for list

HARDY CHRYSANTHEMUMS A splendid collection of 75 of the very best varieties, small flowered or Button kinds, $2.00 per 100; large flowered or Aster flowered, $3.00 per 100.

DAHLIA PLANTS From 2-in. pots ready for shipment, at $2.00 per 100 and up We will send 1000 in 20 good varieties, our selection for $18.50

	Per 100
Ageratum, Stella Gurney	$2 00
Begonia, Vernon White and Rose	2.00
" Gracilis White and Rose	2.00
Coleus, Verschaffeltii, Golden Bedder, and other kinds	2 00
Fuchsias, Black Prince and Minnesota	2.00
Lieutenant Muritz, White and Rose Phenomenal	2.50
Hardy English Ivy, extra strong	$15.00 per 1000 2.00
Nymphea Odorata Gigantea, Water lily	3.50

	Per 100
Hollyhocks, strong 3-in. pot plants, dbl. white, pink, red and yellow	$3.00
Hardy Phlox, Andreas Hoffer	2.00
Ivy Leaved Geraniums, 6 good kinds	$25.00 per 1000 $3.00
Lobelia, Crystal Palace Gem	2.00
Lobelia, Kathleen Mallard, 2-in	3.00
Lavender, 2½-in. pots, strong	3.00
Swainsona alba	2.00
Tradescantia, dark variegated	2.00
Verbena red, white purple and pink	2.00
Rubber Plants, Ficus elastica, per doz	2.00

Visitors always welcome. Cash with order.

R. Vincent, Jr. & Sons Co., WHITE MARSH, Balto Co., MD.

Petunias

	Per 100
Seedlings from double seed, 2½-in. pots	$2.50
Alternantheras, yellow	2.00
Centaurea Gymnocarpa	2.00
Pansy Seed, new crop, Giant-flowering, oz., $4.00.	
Smilax, July 10	1.25

Geraniums

	Per 100
S. A. Nutt and 4 other vars., 3½-in. pots	$3.50
S. A. Nutt, 2½-in. pots	2.75
Asp. Plumosus, 2¼-in. pots	2.00
Asp. Sprengeri, 2¼-in. pots	2.00
Primroses, 8 vars., July 10	2.00

—CASH—

JOS. H. CUNNINGHAM, Delaware, O.

FERNS
FOR DISHES.

Assorted Varieties.
From 2-in pots, $3.00 per 100; $25.00 per 1000.
Dracaena Indivisa.
7-in. pots 75c to $1.00 each.
Cash with order.

Frank Oechslin
2570-2606 W. Adams St., Chicago.
Formerly Garfield Park Flower Co.

Cannas. F. Vaughan, Pennsylvania, Kate Gray, Chas. Henderson, Fair Hope, J. D. Eisele, David Harum, Pres. Vigar, Alsace, Mlle. Berat, Allemania, 3-in. pots $5.00 per 100; $40.00 per 1000; strong plants, started in sand $3.00 per 100; $25.00 per 1000.

Coleus. Strong plants from 2¼-in. pots in 10 best bedding and fancy varieties $2 00 per 100; $18.00 per 1000.

Boston and Elegantissima Ferns

We still have a large stock of well grown plants in 3- and 4-in. pots at $6.00 and $12.00 per 100.

W. W. COLES,
Kokomo, - Indiana.

TRITOMA HYBRIDA EXPRESS

This is a new variety, introduced for the first time. It is one of the earliest varieties, blooming from early June until frost, the color ranging from light salmon to dark orange.....$2.50 per doz; $15.00 per 100.

Salvia Zurich **The Ever-blooming Salvia.** Rooted cuttings, $1.75 per 100; 2-in., $3.00 per 100.

PERENNIAL GARDENS CO., Toledo, Ohio.

LARGEST STOCK OF ALL
Belgian Plants
AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

LOUIS VAN HOUTTE, PERE,
GHENT, BELGIUM.

20,000 Geraniums

S. A. Nutt and Beaute Poitevine. **Cannas,** Chas. Henderson, Austria and Florence Vaughan. **Ageratum, Salvia, Thunbergia,** all in 4-in. pots and in fine shape for bedding out at once, at $6.00 per 100. I also have 1000 fine **Ferns** in 6-in. pots at 30c each. Boston and Piersoni.

JOS. P. HAUCK, Bell Phone 137 CARRICK, - PA

Plectranthus Crassus.

From central Africa we have, within the last decade or so, received several pretty flowering members of the labiate family. One of them, Coleus thyrsoideus, has for a long time been an established favorite owing to the flowers being of such a charming rich shade of blue. A second species, C. Shirensis, of more recent introduction, is decidedly pretty, but scarcely likely to attain the popularity of the older kind. The blue of the flowers is not so striking, though the habit of the plant is good. To these two African labiates may be added Plectranthus crassus, which well merits extended cultivation. It is a stout-growing plant, reaching a height of 18 inches to two feet or more, the stems being clothed with ovate leaves about four inches long and half as much in width. In color they are of a pale green. The flowers, which are borne in narrow terminal spikes, are arranged in whorls, which develop for a considerable time, and thus maintain a succession of bloom. In color they are of a lavender-blue tint, certainly less showy than Coleus thyrsoideus, but decidedly useful in the depth of winter. The shoots, even if the tops are pinched out, do not branch very freely, hence this plectranthus is seen to better advantage when three plants are disposed triangularwise in one pot rather than grown singly. When one remembers how readily the different coleus intercross with each other, and how quickly a great number of foliage varieties made their appearance after the introduction of two or three kinds with handsome leafage, it is almost a matter for surprise that Coleus thyrsoideus and its near relatives have not been taken in hand by the hybridist.—Gardeners' Magazine.

The Smoke Nuisance.

When in Chicago recently Frederick Law Olmsted made some very pertinent remarks about the best methods of beautifying that and other cities. He talked of a number of municipal improvements, giving particular attention, naturally, to the scheme for building up a fringe of parks and boulevards along Chicago's lake front, beyond that long line of fenced-off railroad, with its rumbling cars and puffing engines, which used to completely shut off Chicago's business section from Lake Michigan.

Mr. Olmsted did not underestimate the value of this tremendous improvement when he said that after all there is one thing that is even more important than parks and boulevards in making Chicago a beautiful city—the getting rid of the smoke nuisance. Chicago is not the only American city, says the Cincinnati Times-Star, whose greatest blemish is its smoke. Every city in the middle west has its smoke problem. The combination of soft coal and carelessness in stoking and in the construction of heat and power plants has done its work. We cannot get along without soft coal—but we can get along, and that perfectly well, without the other part of the combination.

The production of smoke on the scale in which it has been, and still is, produced in Cincinnati, Pittsburg, Chicago and St. Louis is merely a very bad habit. Bad habits are proverbially hard to break—but they should not be allowed to go on unchallenged on that account. This is a period of municipal improvement in America. In the first place this was a beautiful country. Then the white man's frontier pushed out into the west; the conquest of the wilderness was sharp and decisive, but civilization was too busy cutting down trees and building houses and railroads and factories to think much of beauty.

Now we are passing out of the stage of purely material progress. The American is awakening to the fact that his cities still have a good deal of the old frontier ugliness about them. He is trying to make things better. The natural advantages are here—but man has not yet done his part. Paris became a beautiful city in eight years under Napoleon III. In America, where autocrats are not in fashion, the change will not come so quickly. But it is coming. And of all the old allies of ugliness, the smoke nuisance, which is an enemy not only of beauty but of public health and even public morals as well, should be the first to go.

OUR IMPORTATION

Will arrive in two weeks time, and prices on cases will be from $45.00 to $50.00 each of 500 strong bulbs or 45 to 50 plants.

In order to help our customers we give **Special Sale for Fifteen Days:**

C. Trianae

Established plants from 7 to 10 bulbs with no less than two new growths, $1.00 each; 10 to 15; $1.50.

C. Gaskelliana

15 to 25 bulbs, $2.00 each.

ORDONEZ BROS. MADISON, N. J.

Surplus List.

	Per 100
Asparagus Plumosus, 2-in	$3 00
" " 2½-in	4 00
" Sprengeri, 2½-in	3 00
Ageratum, Little Blue Star	3 00
Achyranthes, 2 kinds, 2½-in	3 00
Begonia Gloire de Sceaux, 2½-in	10 00
" Fairy Queen, 2½-in.	4 00
" Vernon, 2½-in.	4 00
Chrysanthemums, large stock; send for list.	
Coleus, John and Anna Pfister, 2-in	3 00
Castor Bean, tall bronze and dwarf green, 2½-in	4 00
Centaurea Gymnocarpa, 2-in	3 00
Cobea Scandens, 2-in	4 00
" " 3-in	7 00
" " 4-in	10 00
Cyclamen, Vaughan's Giant-Flowering, 2½-in	4 00
Cannas, strong pot plants; send for list.	
Dahlias, strong pot plants, named, in all the best sorts, both cactus and large flowering	6 00
Dracena Indivisa, strong 7-in	per doz., $6 00

	Per 100
Geraniums, ivy-leaved, asst. kinds, 2½-in.	$4,00
" Little Pink, Sycamore, Beaute Poitevine, Single and Dbl. White, 2½-in.	4 00
4-in	8 00
Moonvines, white, 2½-in	4 00
Kenilworth Ivy, 2½-in,	2 00
English Ivy, 4-in., long vines	10 00
German Ivy, 2½-in., long vines	3 00
Lobelia Speciosa and Bedding Queen, 2-in.	2 50
" New Dbl. Kathleen Mallard, 3-in.	8 00
Latania Borbonica, 2½-in	4 00
" 3-in	7 00
Phlox, Hardy, named kinds, 4-in. pots	4 00
Pennisetum Longistylum, 2-in	4 00
Primula Obconica, 2-in	3 00
Solanum Capsicastrum, 2½-in	4 00
Salvias, 2½-in	4 00
" 3-in	6 00
Smilax, myrtle leaf, 3-in	5 00
" large leaf, 2-in.	2 00
Sage, Holt's Mammoth, 2-in.	2 50
Santolina, 2-in.	3 00
Thunbergia, 2½-in.	3 00
Vinca, Variegated, strong 2-in	4 00
Petunias, finest double sorts, 2½-in	4 00
Pelargoniums, named kinds, 4-in. pots	15 00

Vaughan's Seed Store, 84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

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JUST TO HAND. Lælia Purpurata, Cattleya Intermedia, Cattleya Mossiæ.

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The Orchid Nurseries, RUTHERFORD, N. J.

Orchids!

Arrived in excellent condition: Cattleya Trianæ, C. labiata, C. Mossiæ, Oncidium varicosum, Vanda cœrulea, Dendrobium formosum and D. Dalhousianum.

Lager & Hurrell, Summit, N. J.

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We carry Orchid Peat, Sphagnum Moss, Baskets, etc.

CARRILLO & BALDWIN, Secaucus, N. J.

FINE STOCK.

Deflexus....$3.50 to $ 7.00 per 100
Sprengeri..... 15.00 per 1000
Smilax..... 15.00 per 1000

Sample plants 10c each.

Geraniums, Nutt, Perkins, Poitevine, Castellane, Ricard at $10.00 per 1000 rooted cuttings.

ALBERT M. HERR,
LANCASTER, - PA.

Rubber Plants

Ficus Cuttings

2½-inch pot plants, $15.00 per 100. These will make splendid plants by autumn. Stock limited.

BOBBINK & ATKINS,
Nurserymen and Florists,
RUTHERFORD, - N. J.

BEDDING STOCK

Grown in Frames.

	Per 100
Alternantheras, 2½-in.	$ 3 00
Ageratum, 2½-in	3 00
Helitrope, 2½-in	3 00
Pyrethrum Golden Feather, 2½-in	3 00
Verbenas, 2½-in	3 00
Salvias, 2½-in.	3 00
Salvias, 3½-in.	6 00
Geraniums in varieties, 3½-in	6 00
Geraniums in varieties, 4-in	8 00
Cannas, 4-in	8 00
Tomato Plants, White Excelsior, transplanted. Per 1000 $9.00	1 00

C. E. DeWEVER,
Kinloch Phone Creve Coeur 69
CLAYTON, St. Louis Co., **MO.**

..10,000 GERANIUMS..

S. A. Nutt, Jean Viaud, La Favorite, Trego and other standard varieties. Fine cool grown stock.

In bud or bloom, 3-in	per 100,	$ 6 00
" " 4-in	"	8 00
Vincas, varieg'td and plain green, 2-in	"	3 00
" 3-in. strong	"	10 00
" 3-in. extra strong and heavy	"	12 00

I. N. KRAMER & SON, CEDAR RAPIDS IOWA.

BOSTON, MASS.—Thos. F. Galvin has returned from his European trip. He does not consider the European florists as enterprising as those of this country and says the floral displays in Paris and Brussels cannot compare with those of New York and Boston. He speaks highly of a new carnation on which he has secured an option of a number of plants.

GLEN COVE, N. Y.—The Nassau County Horticultural Society is to give an exhibition of roses at its June meeting, which occurs on the second Wednesday in June. The place of meeting has not yet been decided upon. The Oriental hotel parlors, where the regular meetings have been held, are not large enough for such an exhibition, and the choice of a meeting place has been placed in the hands of a committee. The last regular meeting of the society was held at Roslyn. An interesting point system has been installed for the year, with prizes of suitable medals for the best record at its close.

CHRYSANTHEMUMS.

Novelties and all standard kinds ready for immediate Planting or for late delivery.

My special offer on the single varieties: 100 plants in 10 or more varieties for $8.00.

GRAFTED ROSES

Brides, Maids, Richmond, 4-inch $18.00 per 100. A splendid lot of 4-inch Maids, $7.00 per 100; $60.00 per 1000.

CHARLES H. TOTTY, Madison, N. J.

A FEW GOOD THINGS YOU WANT.

Asparagus Sprengeri, 2-in., $2.50 per 100; 3-in. $5.00 per 100. Seedlings, $1.00 per 100.
Geraniums, Nutt, Doyle, Perkins, Ricard, Grant La Favorite, R. C., $1.25; 2-in. pots, $2.00; 3-in., $4.00 per 100; Trego, Viaud, Castellane, Poitevine, Jaulin, R. C., $1 50; 2-in. pots, $2.50; 3-in., $5.00 per 100. Mme. Salleroi, 2-in. $3.00 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100; 3-in., $5.00 per 100.
Boston Ferns, 5-in., 30c each.
Vinca Var., 2-inch, $2.00 per 100.
Dracena Indivisa, 2-in., $3.00; 3-in., $5.00 per 100.
Gladiolus Bulbs, light colors, $1.00 per 100.
Rex Begonia, $5 00 per 100.
Coleus, Cigar Plant, Verbena Heliotrope, Scarlet Sage, Bonfire, 2-in. pots, $2.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the express companies properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

Chrysanthemums

FOR EVERY PURPOSE.

A partial list with prices appeared in previous issue.

ELMER D. SMITH & CO.,
Successors to Nathan Smith & Son,
ADRIAN, MICH.

FOR THE TRADE.

	Per 100
Chrysanthemums, 20 good com. varieties, 2¼-inch according to variety	2.00 3.00
Cannas, 10 good French varieties, mossrooted	5.00
Vinca, variegated and green 4-in, 10.00; 3-in.	5.00
Cobeas, 3-inch	5.00
Coleus, about 15 best bedding varieties 3- and 2-inch	$3.00 2.00
Salvias, Ragueneau, St. Louis, Bonfire 3- and 2½-in	$5.00 3.00
Smilax, 3- and 2 in	$3 00 2.00
Alyssum, 2-in	2.00
Ageratum, dwarf blue, 2½-in	3.00
Verbenas 2½- and 2-in. in bloom	$3.00 2.00
German Ivy, 2½-in	2.50

SCHMALZL & HEMBREIKER,
West End Greenhouses. Lincoln, Ill.

FIRST-CLASS STOCK.

Geraniums, 8 varieties, guaranteed No. 1 stock, in bud and bloom, 3½-4-in., $4.00; 3-in., $3.00; not in bloom, $3.50 and $2.50 per 100. **Coleus,** 12 varieties, strong 2-in., $1.50; 3-in., $2.50 per 100; $14.00 and $20.000 per 1000. **Verbenas, Lobelia, Petunias, German Ivy, Salvia,** strong 3-in., in bloom, $2.50 per 100. **Begonia Vernon,** 3-3½-in., in bloom, $4.00. **Cannas,** yellow, Henderson and Mme. Crozy, 3-in., $3.50 per 100. Cash.

WM. HERZOG, Morris Plains, N. J.

FOR SALE.

10,000 ALTERNANTHERAS, red and yellow out of 2-inch pots

G. T. HINER, Flemington, N. J.

Plants from 2½-in. Pots at $3.00 per 100

Asparagus Sprengeri, dwarf Alyssum, Ageratums, Princess Pauline, Inimitable, Blue Perfection, Bouvardia Humboldtii, Feverfew Little Gem, Gazania Splendens, Cupheas, double Petunias, Lobelia Emperor William, variegated Ice-plant, variegated Glechoma, Salvias, Zurich, Bonfire, Rosemary, variegated Periwinkle; Moschosma riparium. Impatiens Sultani and Holstii, Swainsona alba, white Moonflower. Forget-me-not, Saxifraga sarmentosa. Parlor Ivy, Ferns, Euonymus radicans. White Snapdragon.

Plants from 3-in. Pots, strong at **$4.00 per 100.** Fuchsias, in bud and bloom, 4 varieties,, Geraniums, best commercial varieties. Heliotrope, dark blue, Gazania splendens, Rose and Peppermint Geraniums, Moonvine, the true white large flowering.

Summer flowering Forget-me-nots and Hardy pinks, assorted colors in bud and bloom $4.00 per 100.

Carnations, strong bushy plants from 2½-in. pots best 3 scarlet, Robt. Craig, Elbon, Gov. Wolcott. $3.00 per 100.

Seedlings from Flats $1.00 per 100, Asparagus Sprengeri, Dracaena Indivisa.

Clematis, large flowering varieties, 2-year-old plants, red, purple and white, $3.00 per dozen. Clematis paniculata, 3-in. pots, $5.00 per 100. Clematis Montana, grdfl., 4-in. pots $1.50 per doz.

Honeysuckle, Halleana and Red Trumpet, strong plants, $1.50 per dozen, $10.00 per 100.

Ampelopsis Veitchii, 4-in. pots, 2-year-old plants, $1.50 per dozen, $10.00 per 100; 3-in. pots, $5.00 per 100.

Ivy, hardy English, 4-in. pots, $1.50 per dozen $10.00 per 100.

Cash with order please.

C. EISELE, 11th and Westmoreland Sts **PHILADELPHIA, PA.**

Rooted Cuttings. Prepaid per 100. Heliotrope, Alternanthera, 50c; Coleus, Ageratum, 60c: Salvia, 85c.

Fuchsia, 5 fine kinds, 2-in., $1.50 per 100.
Ageratum, Stella Gurney, nice 2-in., 1½c. Cash.
Asters, Branching, 6 colors, $2.00 per 1000.

SHIPPENSBURG FLORAL CO. Shippensburg, Pa.

Yellow Alternantheras

equal to 2-in. 70c per 100; $5.00 per 1000. **Coleus.** 2½-in. strong $2.00 per 100; $18.00 per 1000; 5000 for $75.00. **Salvias** $1.00 per 100; $8.00 per 1000.

Express prepaid on all rooted cuttings.

C. HUMFELD, Clay Center, Kas.

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CHRYSANTHEMUM MANUAL.

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NEW AND REVISED EDITION.

Price 40 Cents. Cash with order.

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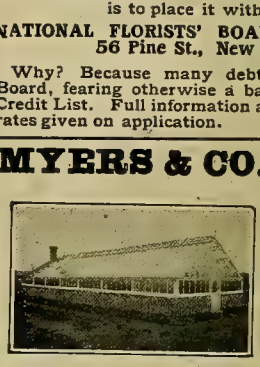

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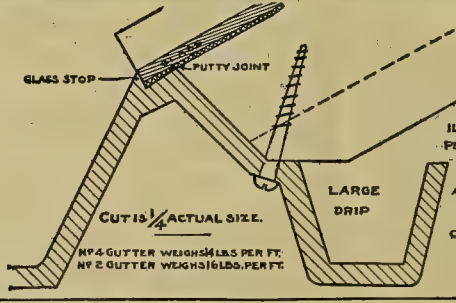

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Carnations, R. C. and plants. A. F. Longren, Des Plaines, Ill.

Carnation Andrew Carnegie, plants from soil, $12 per 100. Chicago Carnation Co., Joliet, Ill.

Carnations, leading vars. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, leading vars. Jensen & Dekema, 674 W. Foster Ave., Chicago.

Carnations. E. G. Hill Co., Richmond, Ind.

CENTAUREAS.

Centaurea Gymno., 2½-in., $3 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Dusty miller, 2-in., 2c. Byer Bros., Chambersburg, Pa.

Dusty miller, 2-in. Phœnix Nursery Co., Bloomington, Ill.

Centaurea Gym., 2-in., $3 per 100. Vaughan's Seed Store, Chicago and New York.

Centaurea, dusty miller, 2¼-in., $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Centaurea Gym., $2 per 100. Jos. H. Cunningham, Delaware, O.

CHRYSANTHEMUMS.

Chrysanthemums, Virginia Poehlmann, Angele Laurent, Golden Dome, Mlle. Jeanne Rosette, Money Maker, 2¼-in., $2 per doz.; $10 per 100. Mrs. Clay Frick, Zimmers Yellow, Mary Mann, 2¼-in., $1 per doz; $6 per 100; R. C., $5 per 100. Pompons, Klondyke, Quinola, choice single vars., Kitty Bourne, Mrs. Roberts, Amorita, 2¼-in., $1 per doz. Standard varieties: Kalb, Polly Rose, Early Snow, Oct. Frost, C. Touset, White Shaw, Robinson, Beatrice May, Merza, Niveus, Queen, Byron, Eureka, Wanamaker, Adelia, Mrs. McArthur, T. Eaton, Chadwick, Merry Christmas, Glory of Pacific, Rosiere, Shaw, Balfour, Duckham, Enguehard, M. F. Plant, Maud Dean, The Harriott, Mayor Weaver, Mrs. J. Marshall, Monrovia, G. Pitcher, Appleton, Bonnaffon, Golden Wedding, H. W. Rieman, Yellow Eaton, Cullingfordi, Merstham Red, Matchless, Mrs. Duckham, Old Gold. Pompons: Baby, Lulu, Briolas, 2¼-in., 5c each; 50c per doz.; $3 per 100; $25 per 1,000; R. C., $2 per 100; $15 per 1,000. Smiths novelties for 1908: Golden Glow, Pacific Supreme, White Cloud, 2¼-in., $5 per doz. A. N. Pierson, Cromwell, Conn.

CHRYSANTHEMUMS.

Strong, healthy, well rooted cuttings of Brutus, Roserie, Geo. S. Kalb, G. of Pacific, Cobbold, Halliday, Duckham (pink), Appleton, Parr, Ben Wells, White and Pink Ivory, A. J. Balfour, Jeannie Nonin, White and Yellow Bonnaffon, Roi de Italie, P. Plumridge, Minnie Bailey, W. B. Chamberlain, John K. Shaw, Edgar Saunders, Dr. Enguehard, Mrs. Weeks, Merza, Robinson, Willowbrook, C. Touset, Gen. Maceo, $1.50 per 100; 2-in. plants, $2 per 100. October Frost, White Jones, White and Yellow Eaton, cuttings, $2 per 100; pot plants, $2.50 per 100. Golden Dome, $1 per doz.; $8 per 100. James Hamilton, Mt. Washington, Maryland.

CHRYSANTHEMUM PRICE LIST.

	R. C. per 100	R. C. per 1000	2½-in. per 100	2½-in. per 1000
WHITE.				
Earliest White, Oct. Frost	$ 3.00	$25.00	$ 4.00	$ 35.00
Virginia Poehlmann	10.00	80.00	12.00	100.00
Kalb	2.00	18.00	3.00	25.00
Robinson	2.00	18.00	3.00	25.00
C. Touset	2.00	18.00	3.00	25.00
Alice Byron	2.00	18.00	3.00	25.00
White Bonnaffon	2.00	18.00	3.00	25.00
Timothy Eaton	2.00	18.00	3.00	25.00
W. H. Chadwick	2.00	18.00	3.00	25.00
Jeannie Nonin	2.00	18.00	3.00	25.00
Merry Christmas	2.00	18.00	3.00	25.00
Garza, single pompom	3.00	....	4.00	....
YELLOW				
Monrovia, earliest	3.00	25.00	4.00	35.00
Halliday	2.00	18.00	3.00	25.00
Col. Appleton	2.00	18.00	3.00	25.00
M. Bonnaffon	2.00	18.00	3.00	25.00
Chatauqua Gold	2.00	18.00	3.00	25.00
Yel. Eaton	2.00	18.00	3.00	25.00
Golden Chadwick	2.00	18.00	3.00	25.00
Golden Wedding	2.00	18.00	3.00	25.00
PINK.				
Rosiere	2.00	18.00	3.00	25.00
McNiece	2.00	18.00	3.00	25.00
Dr. Enguehard	2.00	18.00	3.00	25.00
Maud Dean	2.00	18.00	3.00	25.00
RED				
Intensity	2.00	18.00	3.00	25.00
Schrimpton	2.00	18.00	3.00	25.00

All stock plants grown on top of benches to procure the best results. Cuttings far superior to most of them offered. Satisfaction guaranteed. Cash with order.

POEHLMANN BROS. CO.,
Morton Grove, Ill.

CHRYSANTHEMUMS.

Black Hawk	$1.50	White.	Per 100.
Pink.	Per 100.	Oct. Frost	$2.00
Monogram	1.50	Estelle	1.50
Lady Harriett	1.50	Polly Rose	1.50
Balfour	2.00	Robinson	1.50
Mary Mann	1.50	Merry Xmas	1.50
Mrs. Perrin	1.50	Yanoma	2.00
Dr. Enguehard	1.50	A. Byron	2.00
Maud Dean	1.50	W. H. Chadwick	2.00
Yellow		T. Eaton	2.00
Appleton	1.50	C. Touset	1.50
Golden Beauty	2.00	Beatrice May	3.00
Golden Wedding	2.00	Kalb	1.50
Oct. Sunshine	1.50	W. Bonnaffon	1.50
Chas. Cronin	1.50	Wanamaker	1.50
Maj. Bonnaffon	1.50	Red Intensity	1.50
Y. Eaton	2.00		

WIETOR BROS., 51 Wabash Ave., Chicago.

Chrysanthemums, rooted cuttings: White, Timothy Eaton, Mrs. Geo. S. Kalb, fine early; Estelle, White Bonnaffon, Alice Byron, Ivory, C. Touset, Jeannie Nonin. Pink: Glory of the Pacific, Mary Mann, Dr. Enguehard, Maud Dean, Rosiere. Yellow: Major Bonnaffon, Cremo, Robt. Halliday, "Baby" small yellow, $2 per 100; $15 per 1,000. Cash with order. Wm. Swayne, P. O. Box 226, Kennett Square, Pa.

Beatrice May only $2.50. Oct. Frost, Touset, Adelia, Nonin, Enguehard, Shaw, Monrovia, strong stock, sure to please, $2.50 per 100; cuttings, $1.50. Not more than 25 per cent B. May in any order at above rates. W. J. Olds, Union City, Pa.

Chrysanthemums, R. C., $15 per 100; plants, $22.50 per 1,000: Touset, Opah, Byron, white and yellow Eaton, Bonnaffon, Monrovia, Rosiere. Also A. J. Balfour. $4 per 100; $40 per 1,000. E. G. Hill Co., Richmond, Ind.

Chrysanthemum cuttings from soil, Ivory, Estelle, Glory of Pacific, Minnie Bailey, Bonnaffon, Col. Appleton, Robt. Halliday, $1.25 per 100: $12 per 1,000. T. W. Baylis & Sons, West Grove, Pa.

Chrysanthemums, hardy, 75 best vars., small fld. or button kinds, $2 per 100; large fld. or aster, $3 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Chrysanthemums, novelties and standard kinds. Special offer on single vars., 100 plants, 10 or more vars., $8. Chas. H. Totty, Madison, N. J.

Chrysanthemums, hardy mixed varieties, 2¼ in., $2.25 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Chrysanthemums, R. C. and plants. A. F. Longren, Des Plaines, Ill.

Chrysanthemums for every purpose. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, 20 good vars., 2½-in., $2.50 per 100. West End Greenhouses, Lincoln, Ill.

Mums, 20 kinds, R. C., $1.50; 2½-in., $2.50. Burdell Floral Co., Bowling Green, Ky.

Chrysanthemums, white, yellow, pink, R. C. and 2-in. Geo. A. Kuhl, Pekin, Ill.

Chrysanthemums, leading varieties. Vaughan's Seed Store, Chicago and New York.

CLEMATIS.

Clematis, true Jackmani, 6-in., 3 ft., 35c to 40c. G. Aschmann, 1012 W. Ontario St., Phila.

Clematis, large flowering, 2-yr., red, purple, white, $3 per doz. Paniculata, 3-in., $5 per 100. Montana grandi, 4-in., $1.50 per doz. C. Eisele, 11th and Westmoreland Sts., Phila.

COBEAS.

Cobea scandens, 2-in., $4; 3-in., $7; 4-in., $10 per 100. Vaughan's Seed Store, Chicago and New York.

Cobeas, 3-in., $5 per 100. West End Greenhouses, Lincoln, Ill.

Cobea scandens, 4-in., 10c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Cobea scandens, $8 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

COLEUS.

Coleus, Verschaffeltii, Golden Queen, Fire Brand, Lord Palmerston, Queen Victoria, Beckwith's Gem. R. C., 60c per 100; $5 per 1,000. Golden Bedder, Hero, Messey, Pearl of Orange, 75c per 100; $6 per 1,000. Fancy vars., 12 kinds, 75c per 100; $6 per 1,000. A. N. Pierson, Cromwell, Conn.

Coleus, Queen Victoria, Golden Bedder, Verschaffeltii, 2½-in., $3 per 100; fancy vars., $4. G. Aschmann, 1012 W. Ontario St., Phila.

Coleus, Verschaffeltii, Golden Bedder, etc., $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Coleus, 12 vars., 2-in., $1.50; 3-in., $2.50 per 100; $14 and $20 per 1,000. Wm. S. Herzog, Morris Plains, N. J.

Coleus, 3-in., best varieties for bedding. Fine plants, $5 per 100; $40 per 1,000. Cash, please. C. L. Van Meter, Monticello, Iowa.

Coleus, 2½-in., 10 best bedding and fancy vars., $2 per 100; $18 per 1,000. W. W. Coles, Kokomo, Ind.

Coleus, 20 leading varieties, $2.50 per 100. Frey & Frey, Lincoln, Neb.

Coleus, 10 varieties, 2¼-in., $2 per 100. Jos. H. Cunningham, Delaware, O.

Coleus, 3-in., $5 per 100. West End Greenhouses, Lincoln, Ill.

Coleus G. Bedder, Verschaffeltii, etc., 2½-in., Phœnix Nursery Co., Bloomington, Ill.

Coleus, asst., R. C., 75c per 100; 2¼-in., $2.50. W. J. & M. S. Vesey, Fort Wayne, Ind.

Coleus, 8 kinds, fine 2½-in., $2; R. C. 75c. Burdell Floral Co., Bowling Green, Ky.

Coleus, 2½-in., $2 per 100; $18 per 1,000; 5,000 for $75. C. Humfeld, Clay Center, Kans.

Coleus, John and Anna Pfister, 2-in., $3 per 100. Vaughan's Seed Store, Chicago and N. Y.

Coleus, 6 good varieties, 2½-in., $2 per 100. The Krueger Bros. Co., Toledo, O.

Coleus, 2-in., 2c. Byer Bros., Chamberb'g, Pa.

Coleus. Geo. M. Emmans, Newton, N. J.

Coleus. J. L. Dillon, Bloomsburg, Pa.

Coleus. Geo. A. Kuhl, Pekin, Ill.

CROTONS.

Crotons for bedding, 3½-in., $25 per 100; 5-in., $50. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

CUPHEAS.

Cupheas, 2 kinds, R. C., 75c. Byer Bros., Chambersburg, Pa.

Cupheas, 2½-in., $3 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

CYCLAMENS.

Cyclamen, 2½-in., $5; 3-in., $7; 4-in., $15; 5-in., $20 per 100. S. S. Skidelsky, 1741 N. 18th St., Philadelphia.

Cyclamen, best giant strain in colors, transplanted seedlings, 2c; strong from 2-in. pots, 4c. J. L. Schiller, 929 Prouty Ave., Toledo, O.

Cyclamens, Vaughan's giant flowering, 2½-in., $4 per 100. Vaughan's Seed Store, Chicago and New York.

DAHLIAS.

Dahlias, 2½-in., $2 per 100, such sorts as C. W. Bruton, Mrs. Winters, Fire Rain, Frank Smith, Mrs. Roosevelt, Kriemhilde, Countess of Lonsdale, Mme. Van der Dael. Memphis Floral Co., Memphis, Tenn.

Dahlias, standard, double valuable sorts, $3 and $4 per 100. New and fancy sorts, $8 to $12 per 100; few good standard sorts, $2 per 100. Ferndale Nurseries, Harlan, Iowa.

Dahlia roots, field clumps, $5 per 100 up. Plants, 2-in., $2 per 100 up; 1,000, 20 vars., our selection, $18.50. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Dahlias, pot plants, named, cactus and large flowering, $6 per 100. Vaughan's Seed Store, Chicago and New York.

Dahlias, leading varieties. David Herbert & Sons, Atco, N. J.

The American Florist invites attention to the class of business firms in its adv. columns.

If you do not find what you need in our Ready Reference Department, write us about it.

Dahlias, all leading sorts. James Vick's Sons, Rochester, N. Y.

DAISIES.

Daisy Queen Alexandra, well flowered, 6 and 7-in., $6 to $9 per doz. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Daisies, Shasta, Alaska and Burbank, seedlings and transplanted, $1.50 per 100; undivided field clumps, $5 per 100. Mosæk Greenhouse Co., Onarga, Ill.

Marguerites, French, in bloom, 6-in., $5 per doz. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Daisies, English, $3 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Shasta daisy, 2 kinds, 2½c and 3c. Byer Bros., Chambersburg, Pa.

Bellis daisies, full bloom, $1 per 100. Theo. G. Browne, 6948 Magnolia Ave., St. Louis, Mo.

DRACENAS.

Dracæna indivisa, 6-in., 50c each; 7-in., 75c to $1. Frank Oechslin, 2570 W. Adams St., Chicago.

Dracænas, fine 3-in., $5; 4-in., $10; very nice stock. W. H. Gullett & Sons, Lincoln, Ill.

Dracæna terminalis, fine colored, 4-in., $2 per doz.; 3-in., $1 per doz. The Krueger Bros. Co., Toledo, O.

Dracæna, indivisa, 4-in., $2 per doz.; 5-in., $3 per doz. Strong plants. C. C. Pollworth, Co., Milwaukee, Wis.

Dracæna indivisa, 4-in., $2 per doz.; $12 per 100; 5-in., $3 per doz.; $20 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Dracæna indivisa, 2¼-in., $2; 3-in., $5; 4-in., $12.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Dracæna indivisa, 3-in., $5 per 100; $45 per 1,000. Vick & Hill, Box 613, Rochester, N. Y.

Dracæna indivisa, 7-in., $6 per doz. Vaughan's Seed Store, Chicago and New York.

Dracæna fragrans, 6-in., 3 ft. high, $12 per doz. F. R. Pierson Co., Tarrytown-on-Hudson.

Dracæna indivisa, 2-in., $3 per 100; 3-in., $5. Geo. M. Emmans, Newton, N. J.

FERNS.

Ferns, Piersoni Elegantissima, 2¼-in., $6 per 100; 3½-in., $15; 6-in., 50c each; 8-in., $1 and $1.50 each; 10-in., $2 each. Whitmani, 2¼-in., $6 per 100; 3½-in., $15 per 100; 6-in., 50c and 75c each; 8-in., $1.50; 10-in., $2. Small ferns for pans, $4 per 100; $30 per 1,000. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Whitmani, 2¼-in., $5 per 100; 3½-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Son, Whitman, Mass.

Ferns, Boston, 2½ to 10-in. Piersoni, Scottii, Elegantissima, Whitmani, Amerpohlii, Maidenhair and small ferns. Geo. A. Kuhl, Pekin, Ill.

Ferns for dishes, assorted vars., 2-in., $3 per 100; $25 per 1,000. Frank Oechslin, 2570 W. Adams St., Chicago.

Ferns, Boston and Elegantissima, 3 and 4-in., $6 and $12 per 100. W. W. Coles, Kokomo, Ind.

Ferns, Boston and Piersoni, 2½-in., $3 per 100; 3-in., $6; 4-in., $10; 6-in., 40c each. Thos. Salveson, Petersburg, Ill.

Ferns, Boston and Piersoni, 6-in., 30c. J. P. Hauck, Carrick, Pa.

Ferns, Boston, 5-in., 30c each. Geo. M. Emmans, Newton, N. J.

FEVERFEW.

Feverfew, 2-in., 2c. Byer Bros., Chambersburg, Pa.

FICUS,

Ficus elastica, per doz., $2. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Ficus, 2½-in., $15 per 100. Bobbink & Atkins, Rutherford, N. J.

Ficus elastica, 5-in., $4 per doz.; 6-in., $6. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

FUCHSIAS.

Fuchsias, Black Prince and Minnesota, $2 per 100. Lieut. Muritz, white and rose Phenomenal, $2.50. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Fuchsias, in bud and bloom, 3-in., $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Fuchsias, 5 kinds, 2-in., $1.50 per 100. Shippensburg (Pa.) Floral Co.

Fuchsias, 4-in., $10 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

GAILLARDIAS.

Gaillardias, field-grown, 3-in., $4 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

GERANIUMS.

Geraniums, 2-in., 2c; rose geraniums, 2-in., 1½c. Byer Bros., Chambersburg, Pa.

Geraniums, 2-in., pots, Centaure, Dbl. Gen. Grant, El Cid, Miss Kendell, Nutt, Granville, Jacquerie, Mrs. E. G. Hill, etc., $2 per 100; $18.50 per 1,000. A. Ricard, B. de Presilly, Jean de la Brete, Alice of Vincennes, etc., $3 per 100; $25 per 1,000. Double Dryden, E. H. Trego, Henderson, Telegraph, $4 per 100; $35 per 1,000. Eugene Sue, Mrs. Lawrence, Paul Campbell, Minstrel, Jean Oberlee, Col. Thomas, $6 per 100; $50 per 1,000. Rose, Nutmeg, Oak Leaved and Balm, $2 per 100. S. A. Nutt, Dbl. Grant, La Pilote, Granville, etc., 3-in., $3.50 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

GERANIUMS. SPECIAL OFFER for ensuing week. 30,000 S. A. Nutt, 8,000 Beaute Poitevine from 2½-in. pots, $2 per 100; $18 per 1,000. 15,000 of "Our Special Bench Plants" var. S. A. Nutt, Peter Henderson, Beaute Poitevine, Francis Perkins, Jean Viaud, Mme. Buchner. These are fine and equal to 4-in. and 5-in. stock, packed light, $5 per 100; $50 per 1,000. Same varieties, strong rooted cuttings from sand, $1.25 per 100; $12 per 1,000 cash.
THE W. T. BUCKLEY CO.
SPRINGFIELD, ILL.

Geraniums, splendid 4-in. plants, Ricard, Viaud, Heteranthe, Perkins, etc., $7.
SPECIAL STOCK for May 30. Extra fancy 5-in. in full bloom, $2.25 per doz.; will retail for 50c. Fancy 4-in., $1.25 per doz. W. H. Gullett & Sons, Lincoln, Ill.

Geraniums, Jean Viaud, Heteranthe, A. H. Trego, M. de Castellane, Granville (pink single), in bud, 3-in., strong and bushy, $5 per 100; $40 per 1,000. Memphis Floral Co., Memphis, Tenn.

Geraniums, in bud and bloom, Nutt, Viaud, Ricard, M. Cheveliere, M. Jaulin, Dryden, Perkins, Hill, 2¼-in., $3; 3-in., $5; 4-in., $8; 5-in., $25 per 100. W. J. & M. S. Vesey, Fort Wayne, Ind.

Geraniums, Nutt, Doyle, Perkins, Ricard, Grant, La Favorite, R. C., $1.25; 2-in., $2; 3-in., $4 per 100. Trego, Viaud, Castellane, Poitevine, Jaulin, R. C., $1.50; 2-in., $2.50; 3-in., $5 per 100. Geo. Emmans, Newton, N. J.

Geraniums, ivy leaved, assorted kinds, 2½-in., $4 per 100. Little Pink, Sycamore, Poitevine, single and double white, 2½-in., $4; 4-in., $8. Vaughan's Seed Store, Chicago and New York.

2,000 big 4-in. pots gilted gold geraniums, full of bloom, $8 per 100. S. A. Nutt and other choice varieties, big 4-in. plants, $10 per 100. Frey & Frey, Lincoln, Neb.

Geraniums, Nutt, Viaud, La Favorite, Trego, etc., bud and bloom, 3-in., $6 per 100; 4-in., $8. I. N. Kramer & Son, Cedar Rapids, Iowa.

Geraniums, 8 varieties, in bud and bloom, 3½ and 4-in., $4; 3-in., $3 not in bloom, $3.50 and $2.50. Wm. S. Herzog, Morris Plains, N. J.

Geraniums, S. A. Nutt, 4-in. stock, $8 per 100. Cash with order. Fred Rentschler, Madison, Wis.

Geraniums, S. A. Nutt and 4 others, 3½-in., $3.50 per 100; Nutt, 2½-in., $2.75. Jos. H. Cunningham, Delaware, O.

Geraniums, S. A. Nutt, John Doyle, etc., 4-in., $7 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Geraniums, Nutt, Perkins, Poitevine, Castellane, Ricard, $10 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, Nutt, Poitevine, 4-in., $6 per 100. J. P. Hauck, Carrick, Pa.

Geraniums, 3½-in., $6 per 100; 4-in., $8, C. E. De Wever, Clayton, Mo.

Geraniums, 4-in., dbl. and single. Phœnix Nursery Co., Bloomington, Ill.

Geraniums, Mme. Salleroi, 2¼-in., $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Geraniums, ivy, 2-in., 2½c. Byer Bros., Chambersburg, Pa.

Geraniums. C. H. Frey, 1133 O St., Lincoln, Neb.

Geraniums, S. A. Nutt, bud and bloom, $7 per 100; 3½-in. Stephen Chase, Nashua, N. H.

Geraniums. James Vick's Sons, Rochester, N.Y.

Geraniums. Geo. A. Kuhl, Pekin, Ill.

The American Florist invites attention to the class of business firms in its adv. columns.

GLADIOLI.

Gladiolus America, $6.50 per 100; $60 per 1,000. Write for prices on other stock. Cushman Gladiolus Co., Sylvania, O.

Gladiolus bulbs, $1 per 100. Geo. M. Emmans, Newton, N. J.

GLOXINIAS.

Gloxinias. L. Van Houtte, Pere, Ghent, Belgium.

GREENS.

Greens, bronze galax, $8.50 per case of 10,000; green, $7.50. Dagger and fancy ferns, $2 per 1,000. Laurel festooning, boxwood, southern wild smilax, sphagnum moss, leucothoe sprays, etc. Henry M. Robinson & Co., 15 Province St., Boston.

Greens, southern wild smilax. E. A. Beaven, Evergreen, Ala.

Greens, dagger and fancy ferns, $1.75 per 1,000. Bronze and green galax, $1.25 per 1,000. Leucothoe sprays, $1 per 100; $7.50 per 1,000. Sphagnum moss, per bale, $1.25. Boxwood bunches, 35c; 50 lbs., $7.50. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit.

Greens, cut palmetto and cycas leaves, galax leucothoe, ferns, mosses, etc. Kervan Co., 113 W. 28th St., New York.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 53 W. 28th St., New York.

Greens, smilax, ferns, palm leaves, etc., John P. Scherer, Union Hill, N. J.

HARDY PERENNIALS.

Hardy perennials. Get our prices for field-grown stock. We have one of the best assortments of seedlings, transplanted and undivided clumps. Send for descriptive list. Mosbæk Greenhouse Co., Onarga, Ill.

Hardy phlox, 2¼-in., $2.50 per 100; fall cuttings, $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Perennials, 1-year-old: Dianthus, 5-in., $10 per 100; Coreopsis lanceolata, 5-in., $8; campanula, 6-in., $12. Last fall sowing from cold frames: Hollyhocks, Aquilegia Canadensis and N. grandiflora, Gaillardia grandiflora superba, Myosotis semperflorens, Delphinium Chinensis, also alba. Digitalis Glox., Shasta daisy, pansies, daisy or bellis, $22 per 100. Coreopsis lanceolata, 5-in., 10c; Campanula in variety, 5-in., 12c; 6-in., 15c; bud and bloom, 6-in., 35c; sweet william, 5-in., 12c; Lychnis C., 3½-in., 5c; Ampelopsis Veitchii, 2-in., $2.50 per 100; 3-in. perennials for pots, 75c per doz.; $5 per 100; sweet william, 4-in., 75c per doz.; $5 per 100; garden pinks, 4-in., 85c per doz.; $6 per 100; myosotis forget-me-not, 60c per doz.; $4 per 100; Lychnis Chal., 3-in., 85c per doz.; $6 per 100; foxglove, 3-in., 85c per doz.; $6 per 100; achillea, 3-in., 75c per doz.; $5 per 100; Pentstemon hybrids; Canterbury bells, 4-in., 85c per doz.; $6 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Hardy pinks, asst. colors in bud and bloom, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Phlox Drummondi, 2½ to 3-in., grandi., vars., $3 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Phlox, hardy named kinds, 4-in., $4 per 100. Vaughan's Seed Store, Chicago and New York.

Hardy phlox, Andreas Hoffer, $2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

HELIOTROPES.

Heliotrope, 4-in., $7 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Heliotrope, 4-in. Phoenix Nursery Co., Bloomington, Ill.

Heliotrope, 4 of the best, 2¼-in., $2.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Heliotrope, 2½-in., $3 per 100. C. E. De Wever, Clayton, Mo.

Heliotrope, blue, 2½-in., $3 per 100. C. Eisele, 11th and Westmoreland Sts., Phila.

Heliotrope, R. C., 75c per 100; $6 per 1,000. A. N. Pierson, Cromwell, Conn.

Heliotrope. Geo. M. Emmans, Newton, N. J.

HOLLYHOCKS.

Hollyhocks, 3-in., double, white, pink, red, yellow, $3 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Hollyhocks, standard colors, 2¼-in., $2.25 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

HONEYSUCKLES.

Honeysuckles, Halliana and Red Trumpet, $1.50 per doz.; $10 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

HYDRANGEAS.

Hydrangea Otaksa, large plants in tubs, $2 to $3 each; extra large in half barrels, $5 to $7.50 each; 6-in., in bud and bloom, $5 per doz. F. R. Pierson Co., Tarrytown-on-Hudson.

Hydrangeas, 3-in., $10 per 100; 6 and 7-in., 50c, 75c and $1 each. Geo. A. Kuhl, Pekin, Ill.

Hydrangeas, 25c to $4 each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Hydrangea Snowball, 3-yr., $5 per doz. Vaughan's Seed Store, Chicago and New York.

Hydrangeas, 5-in., in bloom, $35 per 100. C. H. Frey, 1133 O St., Lincoln, Neb.

Hydrangeas, W. & T. Smith Co., Geneva, N. Y.

IVIES.

Ivy, English or hardy, 3 ft. high, 4-in., 12c; German or parlor, 2½-in., $3 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Ivy, English, 3½ and 4-in., $8 per 100; extra size, $10. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ivy geraniums in variety, 2¼-in., $3; 3-in., $6; 4-in., $8 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

If you do not find what you need in our Ready Reference Department, write us about it.

Ivy, Kenilworth, 2½-in., $2 per 100. English, 4-in., $10; German, 2½-in., $3. Vaughan's Seed Store, Chicago and New York.

Ivy, English, 4-in., $1.50 per doz.; $10 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

English ivy, hardy, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Ivy, German, 2¼-in., $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Ivy, German, 2½-in., $2.50 per 100. West End Greenhouses, Lincoln, Ill.

Ivy, German, 3-in., $2.50 per 100. Wm. S. Herzog, Morris Plains, N. J.

Ivy, German, 2½ and 3-in. Phoenix Nursery Co., Bloomington, Ill.

LILACS.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig Saxony, Germany.

From Storage.

Lily of the valley, for forcing, $11 per 1,000. W. C. Beckert, Pittsburg, N. S., Pa.

Lily of the valley, pips, cold storage. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley, cold storage pips, $14 per 1,000; $1.75 per 100. H. N. Bruns, 1407-11 W. Madison St., Chicago.

LOBELIAS.

Lobelia speciosa and Bedding Queen, 2-in., $2.50; new double Kathleen Mallard, 3-in., $8 per 100. Vaughan's Seed Store, Chicago and New York.

Lobelias, Crystal Palace Gem, $2 per 100; Kathleen Mallard, 2-in., $3 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Lobelia, dwarf or trailing, 2½-in., Crystal Palace, $3 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Lobelia Crystal Palace and trailing, 2¼-in., $2 per 100; $17.50 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

Lobelias, 3-in., in bloom, $2.50 per 100. Wm. S. Herzog, Morris Plains, N. J.

Lobelia speciosa, 2½-in. Phoenix Nursery Co., Bloomington, Ill.

MOSS.

Sphagnum moss, 5 barrel bale, $1.25; 2 bales, $2.25; 5 bales, $5; 10 bales, $9.50. H. R. Akers, Chatsworth, N. J.

Sphagnum moss in burlap or wired bales. Write for prices. Vaughan's Seed Store, Chicago and New York.

MUSHROOM SPAWN.

Mushroom Spawn. Johnson's improved. Johnson's, Ltd., 44 Bedford Row, London, W. C., Eng.

Mushroom spawn. English and pure culture. Weeber & Don, 114 Chambers St., New York.

Mushroom spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

MYRTLE.

Myrtle, field-grown clumps, strong, $2 per 100; $17.50 per 1,000. Geo. A. Dhonau, Sta. H., Cincinnati, O.

Myrtle, Vinca minor, 2¼-in., $2.25; 3-in., $3; field grown, $5 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

NURSERY STOCK.

Nursery stock, trees and shrubs, price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, large trees, oaks, maples, pines and hemlock. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, arbor vitæ (Thuya occidentalis) 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, fruit and shade trees, shrubs, evergreens. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. Storrs & Harrison, Painesville, O.

ORANGES.

Oranges, Kinkan. P. J. Berckmans Co., Augusta, Ga.

ORCHIDS.

Orchids, C. Trianæ, C. labiata, C. Schroederæ, C. gigas Sanderiana. C. Harrisoniæ, C. citrina, Lælia anceps, Oncidium varicosum Rogersii, O. ornithorhynchum. O. tigrinum, Odontoglossum Insleayi, O. Rossii majus, also orchid peat, sphagnum moss, baskets, etc. Carrillo & Baldwin, Secaucus, N. J.

Orchids in superb condition. Cattleya Mossiæ, C. Schroederæ, Lælia anceps, Epidendrum vitellinum, etc. Lager & Hurrell, Summit, N. J.

Orchids, C. Trianæ, C. Percivaliana, C. speciosissima, C. Gaskelliana, Oncidium Kramerianum. Ordonez Bros., Madison, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England. New York office, room 1, 235 Broadway.

Orchids, choice assorted flowering, established, $12 per doz. Wm. Mathews, West View Greenhouses, Utica, N. Y.

Orchids, Lælia purpurata, Cattleya intermedia, C. Mossiæ. Julius Roehrs, Rutherford, N. J.

Orchid peat, leafmold, live sphagnum moss. W. Scott & Sons, Loyd, N. Y.

PALMS.

Palms, home-grown. Areca lutescens, 6-in., 3 plants, 24 to 26 ins., $1 each; $12 per doz.; 7-in., 3 plts., 30 to 32 ins., $2 each; $24 per doz. Cocos Wedd., 2½-in., 8 to 10 ins., 10c each; 10 to 12 ins., 15c each. Kentia Bel., 6-in., 6 to 7 leaves, 22 to 24 ins., $1 each; $12 per doz; 6-in., 6 to 7 lvs., 24 to 26 ins., $1.25 each; $18 per doz.; 6-in., 6 to 7 lvs., 26 to 28 ins., $1.50 each; $18 per doz.; 6-in., 6 to 7 lvs., 30 to 36 ins., $2 each; $24 per doz.; 7-in., 6 to 7 lvs., 32 to 34 ins., $2.50 each; $30 per doz. Kentia Fors., 9-in. tub, 4 plants, 4 ft., $6 each. Joseph Heacock, Wyncote, Pa.

Palms, Kentia Bel., 5-in., $7.20 per doz.; 5-in., strong, $9; 6-in., $12; 6-in., strong, $15; Forsteriana, 5-in., $7.20 per doz.; 5-in., strong, $9; 6-in., $12; 6-in., strong, $15. Cycas revoluta, 4-in., 25c each; 5-in., 35c; 6-in., 50c; 7-in., 75c to $1; 8-in., $1.25 to $1.50. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Palms, Kentia Bel., 5¼-in., 20 to 25 ins., 40c to 50c; 4-in., 20 ins., 35c; Bel., and Fors., 6-in., $1 each. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Cycas revoluta stems, 25 lbs., $2; 100 lbs., $7. Moore & Simon, 339 Market St., Philadelphia.

Palms, Latania Borb., 2½-in., $4; 3-in., $7. Vaughan's Seed Store, Chicago and New York.

Palms. P. J. Berckmans Co., Augusta, Ga.

Palms. L. Van Houtte, Pere, Ghent, Belgium.

PANDANUS.

Pandanus Veitchii, 5-in., $9 per doz.; 6-in., $12; larger, $2 to $3.50 each. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

PANSIES.

FULL OF LIFE PANSY PLANTS. Transplanted, $1 per 100; $8.50 per 1,000. Seedlings, 50c per 100; $3 per 1,000. H. W. Buckbee, Rockford, Ill.

Pansies, bud and bloom, $1.90 per 100; $17 per 1,000. W. J. & M. S. Vesey, Ft. Wayne, Ind.

Pansies, from cold frame, strong, in bud, 2nd size, 75c per 100. F. A. Baller, Bloomington, Ill.

Pansies, $3 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Pansies, in bud, $3 per 1,000. Byer Bros., Chambersburg, Pa.

PELARGONIUMS.

Pelargoniums, 3-in., $1.50 per doz.; $6 per 100. R. Vincent, Jr. & Sons, White Marsh, Md.

Pelargoniums, named kinds, 4-in., $15 per 100. Vaughan's Seed Store, Chicago and N. Y.

PEONIES.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Wholesale peony list for fall 1908 is now ready. J. F. Rosenfield, West Point, Neb.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies, leading vars. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunias, seedlings from dbl. seed, 2½-in., $2.50 per 100. Jos. H. Cunningham, Delaware, O.

Petunias, California giant, 3-in., $5 per 100. Inimitable, 2½-in., $3. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Petunias, dbl., 10 kinds, R. C., $1; 2-in., 2c. Byer Bros., Chambersburg, Pa.

Petunias, 3-in., in bloom, $2.50 per 100. Wm. S. Herzog, Morris Plains, N. J.

Petunias, double sorts, 2½-in., $4 per 100. Vaughan's Seed Store, Chicago and New York.

Petunias, double fringed in bud and bloom, 2½-in., ready for 4-in., $2.50 per 100. The Krueger Bros. Co., Toledo, O.

The American Florist invites attention to the class of business firms in its adv. columns.

POINSETTIAS.

Poinsettias, 2½-in., $4 per 100; $35 per 1,000. Geo. Reinberg, 35 Randolph St., Chicago.

Poinsettias, 2½-in., $5 per 100; $45 per 1,000. S. S. Skidelsky, 1741 N. 18th St., Philadelphia.

PRIMULAS.

Primula obconica, 2-in., $3 per 100. Vaughan's Seed Store, Chicago and New York.

Primroses, 8 vars., $2 per 100. Jos. H. Cunningham, Delaware, O.

RHODODENDRONS.

Rhododendrons. W. & T. Smith, Geneva, N. Y.

Rhododendrons. Jacs Smits, Naarden, Holland.

ROSES.

Roses, grafted, Mrs. Jardine, Rhea Reid, Queen Beatrice, $6 per doz.; 50 for $18; $35 per 100. My Maryland, 50c each; $5 per doz.; $35 per 100; own root, 2½-in., $25 per 100; $2 per 10; 3-in., $15 per doz. Standard vars.: Aurora, Bon Silene, Bride, Maid, Enchanter, Etoile de France, Franz Deegen, Gen. MacArthur, Hermosa, Kaiserin, Kate Moulton, Killarney, La Detroit, M. Cochet, M. Niel, Mme. Chatenay, Mme. Hoste, Mrs. Morgan, Gontier, Rosalind Orr English, Wootton, Wellesley, White Cochet, grafted, 2¼-in., 20c each; $2 per doz.; $15 per 100; $120 per 1,000. Own root roses, 2½-in., Killarney, Bride, Bridesmaid, Ivory, Richmond, Chatenay, Aurora, $1 per doz.; $6 per 100; $50 per 1,000; 2-in., $3.50 per 100; $30 per 1,000. A. N. Pierson, Cromwell, Conn.

Roses, $2.50 per 100; Baby Rambler, C. Soupert, D. Perkins, Mme. A. Chatenay, $2.75 per 100; Hermosa, Maman Cochet, Malmaison, Etoile de Lyon, Helen Gould, Lady Gay, M. Niel, Notting, Meteor, White Maman, Albany, La France; $3 per 100; Mme. C. Wood, P. C. de Rohan, Mme. Plantier, Gen. Jacq.; Black Prince, Mme. Masson, Kaiserin, Paul Neyron, $3.50 per 100; Capt. Christy, Magna Charta, Etoile de France, Mrs. J. Laing, Helen Good, Killarney, $5 per 100. J. B. Clark, Druschki, $8 per 100. C. M. Niuffer, Springfield, O.

Roses, in pots and outdoor: Prairie Queen, 3 to 5 ft., 15c to 35c each. Crimson Rambler, 2 ft., 15c. Baby Rambler, 3½-in., $6 per 100. Sweet briar, 2 to 3 ft., 10c to 25c each. One lot of hybrid perpetual, 5-in., asst., pot-grown, $15 per 100. Bride, Maid, Chatenay, 5-in., 3c. Baby Rambler, 3-in., 6c. Uncle John and Chatenay, 1-yr., in flower and bud, 6-in., 15c. Hybrid perpetuals, $15 per 100; $2 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Roses, Mrs. Potter Palmer, 2½-in., $15 per 100; $125 per 1,000; 2,000 or more, $115 per 1,000; 3½-in., $18 per 100; $150 per 1,000. Cardinal, 2½-in., $6 per 100; $55 per 1,000; 3½-in., $8 per 100; $75 per 1,000. Maid, Richmond, Sunrise, Uncle John, 2½-in., $4.50 per 100; $40 per 1,000; 3½-in., Maid, Kaiserin, ready May 20, $6.50 per 100; $60 per 1,000. Benched Beauties, cut back, $6.50 per 100; $55 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

YOUNG ROSE STOCK.

	Per 100	Per 1,000
Kaiserin, 3½-in.	$5.00	$45.00
Kaiserin, 3-in.	4.50	40.00
Kaiserin, 2½-in.	3.50	30.00
Maids, 2½-in.	3.00	25.00
Brides, 2½-in.	3.00	25.00
Richmond, 2½-in.	3.00	25.00
Kate Moulton, 2½-in.	3.00	25.00

WIETOR BROS., 51 Wabash Ave., Chicago.

YOUNG ROSE STOCK.

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Kaiserin, 3½-in.	$5.00	$45.00
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Brides, 2½-in.	3.00	25.00
Richmond, 2½-in.	3.00	25.00
Kate Moulton, 2½-in.	3.00	25.00

WIETOR BROS., 51 Wabash Ave., Chicago.

Roses, from 2½-in., Bride, Maid, Uncle John, Ivory, Chatenay, $2.50 per 100; $22.50 per 1,000. Sunrise, Perle, Kate Moulton, Richmond, $4 per 100; $35 per 1,000. Killarney $5 per 100; $40 per 1,000. Bench plants: Richmond, $3 per 100; $25 per 1,000. Am. Beauty, $6 per 100; $50 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Roses, grafted Killarney, Richmond, Bride and Maid, $12 per 100; $110 per 1,000. Own roots: Bride, Maid, G. Gate, Ivory, Perle, Killarney, Richmond, $6 per 100; $55 per 1,000; all from 3½-in. P. R. Quinlan, Syracuse, N. Y.

Roses, grafted, Chatenay, Killarney, Richmond, Liberty, La France, 3½-in., $18 per 100; Bride, Maid, Golden Gate, Kaiserin, 3½-in., $15 per 100; own root roses: Bride, Maid, Killarney, Richmond, Chatenay, 3-in., $7 and $9 per 100. J. L. Dillon, Bloomsburg, Pa.

If you do not find what you need in our Ready Reference Department, write us about it.

Roses, 1-yr. bench plants: Beauty, $5 per 100; $40 per 1,000. Maid, Chatenay, $2.50 per 100; $20 per 1,000. From 2½-in.: Maid, Richmond, Moulton, $3 per 100; $25 per 1,000. Geo. Reinberg, 35 Randolph St., Chicago.

Roses, grafted, Bride, Maid, Richmond, 4-in., $18 per 100. Splendid lot of Maids, 4-in., $7 per 100; $60 per 1,000. Chas. H. Totty, Madison, N. J.

ROSES! ROSES! Bride, Maid, Golden Gate, Richmond, 2½-in., $3 per 100; $25 per 1,000; 3-in., $5. Fine clean plants. W. H. Gullett & Sons, Lincoln, Ill.

Roses for forcing, grafted, Bride, Maid, Kaiserin, Killarney, Richmond, Wellesley, $10 per 100; $100 per 1,000. Jackson & Perkins, Newark, N. Y.

Roses, 3 ft. high. Paul Neyron, Mrs. Laing, Magna Charta, Jacq., 6-in., 35c; Baby Rambler, 5½-in., 35c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Roses, Killarney, Bride, Maid, G. Gate, Ivory, Chatenay, Beauty, Carnot, Richmond, Perle, 2¼ and 3-in. Geo. A. Kuhl, Pekin, Ill.

Roses, 3-yr. bench plants, 2,000 Maids, 2,000 Brides, $5 per 100; $45 per 1,000. Lamborn Floral Co., Alliance, O.

American Beauties, rooted cuttings, $3 per 100; $25 per 1,000; 2¼-in., $6 per 100; $50 per 1,000. J. F. Wilcox, Council Bluffs, Iowa.

Roses, grafted and own root, Kaiserin, Carnot, Killarney, Richmond, Liberty, Bride and Bridesmaid. W. H. Elliott, Brighton, Mass.

Roses, American Beauty, bushes, bench plants, $6 per 100; $55 per 1,000. Wietor Bros., 51 Wabash Ave., Chicago.

Rose Newport Fairy. Julius Roehrs Co., Rutherford, N. J.

Roses a specialty. The Dingee & Conard Co., West Grove, Pa.

Roses, 400 best sorts, 2½ and 4-in. Leedle Floral Co., Springfield, O.

Roses. C. H. Frey, 1133 O St., Lincoln, Neb.

Roses. W. & T. Smith Co., Geneva, N. Y.

Roses. James Vick's Sons, Rochester, N. Y.

SALVIAS.

Salvia Zurich, in bud and bloom, 3-in., $4 per 100; 2-in., $2.50 per 100; R. C., $1.25 per 100. The Krueger Bros. Co., Toledo, O.

Salvias, Clara Bedman or Bonfire, 4-in., $10 per 100; 3-in., $7. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Salvia Zurich, R. C., $1.75 per 100; 2-in., $3 per 100. Perennial Gardens Co., Toledo, O.

Salvias, 2½-in., $4; 3-in., $6 per 100. Vaughan's Seed Store, Chicago and New York.

Salvias, 3, 2½ and 2-in., $5, $3, $2 per 100. West End Greenhouses, Lincoln, Ill.

Salvias, R. C., $1 per 100; $8 per 1,000. S. D. Brant, Clay Center, Kans.

Salvias, 2½-in., $3; 3½-in., $6 per 100. C. E. De Wever, Clayton, Mo.

Salvias, 4-in., $6 per 100. J. P. Hauck, Carrick, Pa.

Salvias, 2½-in., Zurich and St. Louis. Phœnix Nursery Co., Bloomington, Ill.

Salvias, 3-in., in bloom, $2.50 per 100. Wm. S. Herzog, Morris Plains, N. J.

Salvias, 2¼-in., $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Salvia Bonfire, 90c. Byer Bros., Chambersburg, Pa.

Salvias, $1 per 100; $8 per 1,000. C. Humfeld, Clay Center, Kans.

SEEDS.

Seeds, Primula obconica, the type, ⅛ oz., 50c; tr. pkt., 15c; grandiflora, mixed, 1-16 oz., $1; tr. pkt., 25c; fimbriata, 1-32 oz., $1; tr. pkt., 50c; Bright rose, 1-32 oz., $1; tr. pkt., 25c; Kermesina, 1-32 oz., $2; tr. pkt., 50c; white, 1-32 oz., $1; tr. pkt., 25c; gigantea rosea, 1-32 oz., $3; tr. pkt., 50c; gigantea kermesina, tr. pkt., 35c. Vaughan's Seed Store, Chicago and New York.

Seeds, bean, beet, cabbage, carrot, kohl rabi, leek, lettuce, onion, pea, radish, spinach, turnip, swede, aster, balsam, begonia, carnation, cineraria, gloxinia, larkspur, nasturtium, pansy, petunia, phlox, primula, scabious, stock, verbena, zinnia, etc. Giant pansy, $5 per oz.; $1.50 per ¼ oz., 75c per 1-16 oz. Henry Mette, Quedlinburg, Germany.

Seeds, Primula obconica grandi, blood red, blue, carmine, pink, purple, violet, white, compacta, gigantea, fringed mixed, hybrids, separate, tr. pkt., 50c; 6 pkts., $2.50. O. V. Zangen, Hoboken, N. J.

Seeds, cyclamen, Mont Blanc, Baroness Burdett-Coutts, Crimson King, Duke of Connaught, Prince of Wales, Princess May, Rosy Morn, Picturatum, Dame Blanch, Duke of Fife, Brilliant. Primula Sinensis. St. George's Nursery Co., Harlington, Middlesex, England.

Seeds, Asparagus plumosus nanus, northern greenhouse grown, per 100 seeds, 60c; 250 seeds, $1; 1,000 seeds, $3. Vaughan's Seed Store, Chicago and New York.

Seeds, verbena, mammoth, colors or mixed, ¼ oz., 30c; oz., $1. Salvia splendens, ¼ oz., 35c; oz., $1.25; Bonfire, ¼ oz., 75c; oz., $2.50. W. C. Beckert, Pittsburg, N. S., Pa.

Seeds, Asparagus plumosus nanus, 50c per 100; $1.75 per 500; $3 per 1,000. Sprengeri, 15c per 100; 40c per 500; 75c per 1,000. H. H. Berger & Co., 70 Warren St., N. Y.

Seeds, Tomato, the Don, Cauliflower, First and Best, Onion Ailsa Craig. Lettuce, Ideal. Mignonette, N. Y. Market. Weeber & Don, 114 Chambers St., New York.

Seeds, Lawn grass in bulk or pkts. Dickinson's Evergreen and Pine Tree brands. Albert Dickinson Co., Chicago and Minneapolis.

Seeds, Asparagus plumosus nanus, new crop, highest germination, $2 per 1,000. Drake Point Greenhouses, Yalaha, Fla.

Seeds, Asparagus plumosus nanus, and robustus, $2 per 1,000. J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds, Asparagus plumosus nanus, $3 per 1,000; Sprengeri, 75c per 1,000. Moore & Simon, 339 Market St., Philadelphia.

Seed, pansy, giant flowering, $4 per oz. Jos. H. Cunningham, Delaware, O.

Seeds of all kinds. H. E. Fiske Seed Co., 12 and 13 Faneuil Hall Sq., Boston, Mass.

Seeds, sweet peas. Anton C. Zvonlanek, Bound Brook, N. J.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seeds, flower and vegetable. James Vick's Sons, Rochester, N. Y.

Seed potatoes, Red River stock. Onion sets, Vaughan's Seed Store, Chicago.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Seeds, all kinds. St. Louis Seed Co., 784-786 N. 4th St., St. Louis.

Seed, Pandanus utilis, $1 per 100; $8 per 1,000. Moore & Simon, 339 Market St., Phila.

Contract Growers.

Seeds, onion, lettuce, sweet peas and other California specialties. C. C. Morse & Co., 48 to 56 Jackson St., San Francisco, Calif.

Seeds, bean, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, cabbage and cauliflower, Hjalmer Hartman & Co., Stormgade, Copenhagen; 31 Barclay St., New York.

Seeds, lettuce, onion, sweet pea, aster, cosmos, mignonette, verbena. Waldo Rohnert, Gilroy, Calif.

Seeds, growers for the wholesale trade only. Braslan Seed Grower's Co., San Jose, Calif.

Seed beans. F. L. Hogue, Carpinteria, Calif. Grower for the wholesale trade only.

Seeds, garden peas and beans. Rogers Bros., Alpena, Mich.

Seed, Puget Sound cabbage. Chas. H. Lilly & Co., Seattle, Wash.

SMILAX.

Smilax, nice stocky plants from fall, $3 per 1,000; 2,000 for $5; 5,000 for $10; by mail, 50c per 100. F. A. Baller, Bloomington, Ill.

Smilax, myrtle leaved, 3-in., $5; large leaved. 2-in., $2 per 100. Vaughan's Seed Store, Chicago and New York.

Smilax, July 10, $1.25 per 100. Jos. H. Cunningham, Delaware, O.

Smilax, $2.50 per 100; $20 per 1,000. Geo. Reinberg, 35 Randolph St., Chicago.

Smilax, $15 per 1,000. A. M. Herr, Lancaster, Pa.

Smilax, 2-in. Phœnix Nursery Co., Bloomington, Ill.

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Cut flowers.—A. W. Hixon, first; J. W. Seddon, second; Mrs. A. E. Underwood, third; Mrs. S. E. Fisher, fourth.

Azalea mollis.—A. L. Bemis, first.

Pansies.—Mrs. A. E. Hartshorn, first; H. B. Watts, second; Mrs. P. G. Forbes, third; Mrs. W. A. Sargent, fourth.

Zonale geranium.—M. J. Whittall, first; E. W. Breed, second; A. W. Hixon, third; Mrs. P. G. Forbes, fourth.

Other prizes.—Pauline Wilder, painted trillium; Mrs. E. J. Whitney, tulips; G. E. Bennett, narcissus; C. E. Boyden, wild flowers; Hazel Maynard, wild flowers; J. W. Seddon, Canterbury bells; Mrs. L. P. Kennicutt, Cattleya Mendelii; J. W. Seddon, basket; Mrs. F. J. Reed, sweet peas. The committee of arrangements had a meeting at 3:30 p. m. and voted to have W. MacAllister of Whitinsville take George MacWilliam's place as judge during the latter's absence abroad. R.

Cleveland.

CAR STRIKE CHECKS TRADE.

Weather conditions were splendid last week, and had it not been for the street car strike in this city, most of the outdoor planting would have been well under way, but as it was, the people were not able to ride on the street cars without endangering their lives. Consequently the greater majority of people did not get around to the greenhouses to pick out their plants or leave their order. Instead of the past week being one of the busiest for the trade it was one of no work but plenty of worry, for it was hard to say just how long the strike would last. A great deal of hustling will have to be done in order to catch up with the work for Memorial day. The prospects for this eventful day are very bright, especially in the cut flower line. Although roses are shortening up somewhat, peonies will be in full swing by Saturday and it is doubtful whether the shortage of roses will even be noticed. Of carnations, sweet peas, daisies and other seasonable flowers there will be a good supply. It is very evident though that the prices will not be as high as last year. FORESTER.

L. BAUMANN & CO.,

76-78 Wabash Avenue, CHICAGO.

THE GREAT CENTRAL FLORIST SUPPLY HOUSE.

Everything in Florist Supplies such as Baskets, Chiffons, Etc., Etc.

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LIVE SPHAGNUM MOSS.

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10,000, $1.75; 50,000, $7.50. Manufactured by

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An excellent treatise on this increasingly interesting subject treated from all points of view in a simple, practical and instructive manner. The authors have kept in mind the needs of the amateur grower as well as those of the grower of large quantities. Profusely illustrated. Price $1.17.

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PRICE $3.00.

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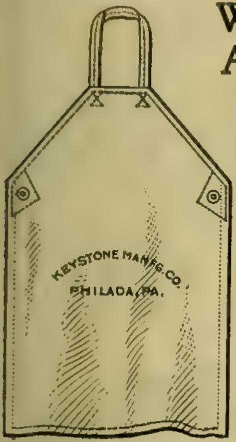
THE LARGEST MANUFACTURERS OF
STANDARD FLOWER POTS
PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.



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Made of canvas in the best manner and well oiled by our own process.

Do not confound these aprons with cheaper grades, as they are in a class by themselves. Oiled black or yellow.

Each.		Each.
8-oz. 70c	No. 10,	$0.90
10 " 75c.,	" 8,	1.00
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10% discount in dozen lots.

Makers of Canvas Goods of every description.

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DREER'S
Florist Specialties.
New Brand New Style.
Hose "RIVERTON"
Furnished in lengths up to 500 ft. without seam or joint.

The HOSE for the FLORIST

¾-inch, per ft., 15 c.
Reel of 500 ft., " 14½c.
2 Reels, 1000 ft., " 14 c.
½-inch, " 13 c.
Reels, 500 ft., " 12½c.

Couplings furnished.

HENRY A. DREER,
714 Chestnut St.,
PHILADELPHIA, PA.

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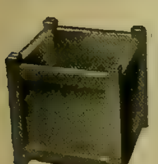

Are the best and cheapest plant boxes in the market for large plants, boxwoods, bay trees, etc. They are attractive in design, strong and durable. Suitable for either outdoor and indoor use. Write for prices.

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Sidney, Ohio.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

ELIZABETH, N. J.—John Walsh, aged 75 years, a gardener of this city, died in the General hospital May 18, where he had been for some weeks. He boarded at 776 Third avenue with his daughter, Mrs. Crocker. Since he went to the hospital no trace of her can be found. It is thought she has left the city for parts unknown. He had no other relatives living here.

TROY, O.—The Miami Horticultural Society met in Grange hall May 7. The coming fruit crop was discussed and the opinion obtained that there is a very fair promise of a good one. Blight is attacking some trees causing the green fruit to fall and some leaves are infested with insects; still a good yield is expected. The society will meet with Darius Ross next month, when fruit and flowers will be displayed.

THE KELLER POTTERY COMPANY,

Manufacturers of FLORISTS' RED STANDARD POTS.

Azalea Pots, Bulb and Fern Pans, Etc.

Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

The Ionia Pot is the Best Pot.

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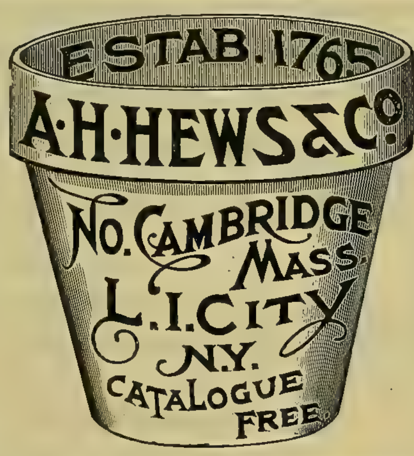
Hand your next season's order to Uncle Sam today. Our invoice will be in your hands on his return trip.

IONIA POTTERY COMPANY, Ionia, Mich.



Standard Flower Pots!

Packed in small crates, easy to handle.

Price per crate			Price per crate		
1500 2-in., in crate,		$4.88	120 7-in., in crate,		$4.20
1500 2¼	"	5.25	60-8	"	3.00
1500 2½	"	6.00	HAND MADE.		
1000 3	"	5.00	48 9-in., in crate,		$3.60
800 3½	"	5.80	48 10	"	4.80
500 4	"	4.50	24 11	"	3.60
320 5	"	4.51	24 12	"	4.80
144 6	"	3.16	12 14	"	4.80
			6 16	"	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address

HILFINGER BROS. POTTERY, Fort Edward, N.Y.
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Manufacturers of
FLOWER POTS
Before buying write for prices.
361-363 Herndon Strret
near Wrightwood Ave.,
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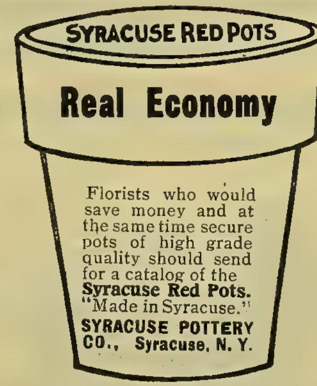
Price List Standard Red Flower Pots

size	Per 1000	size	Per 1000
1½-in flower pots..	$ 2.50	3 -in flower pots..	$4.50
1¾-in flower pots..	2.60	3½-in flower pots..	6.50
2 -in flower pots..	3.00	4 -in flower pots..	7.90
2¼-in flower pots..	3.50	4½-in flower pots..	10.00
2½-in flower pots..	3.90	5 -in flower pots..	12 00
6 -in flower pots..	20.00		

A. J. MARQUIS, Prop. M'ddleburg Ohio



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For Sale by Wholesale Seedsmen, Florists and Supply Dealers.

Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.

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"STANDARDS"

FULL SIZE AND WIDE BOTTOMS,
BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'F'Y.

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OF FINELY PREPARED CLAY.

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Porosity and Strength Unsurpassed.

Write for Prices.

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BLACKWELL, OKLA.—John Heintz is building a new greenhouse, 25x80 feet, to be used for roses only.

GREENHOUSE GLASS

PRICES WAY DOWN! DON'T HESITATE! WRITE TO-DAY!

You have been waiting for just such a time as the present and unless all signs fail, you will make no mistake in buying for present and future needs. Tell us the sizes you use, and we will quote prices that mean business.

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WHITE AS SNOW. Ready For Use. TOUGH AS LEATHER

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Superior to All Others

FOR HOT WATER HEATING.

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Window Glass, Paint, Putty, etc.

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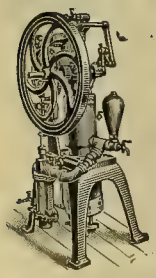

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Water Supply

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See the Point

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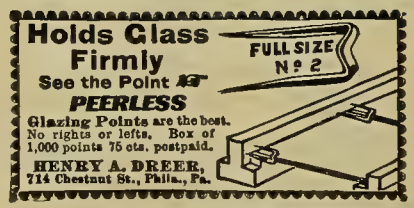

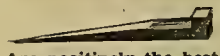

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Never Rust GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes ⅝ and ⅞, **40c** per lb., by mail 16c extra; 7 lbs. for **$2.50** 15 lbs. for **$5.00** by express. For sale by the trade

RANDOLPH & McCLEMENTS, Successors to Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty, Lasts longer than putty. Easy to apply.

STENZEL GLASS CO.,

GREENHOUSE GLASS.

French and American "WHITE ROSE" Brand.

2 Hudson St., NEW YORK.

Indianapolis.

GERANIUMS SHORTENING UP.

Cut flower business is unusually quiet, even for May, but prospects for June are very rosy. The weather is entirely too hot for tea roses. Bedding trade surpasses all expectations and geraniums will be scarce by Decoration day.

NOTES.

Smith & Young Co. sold its Stratford place to Roepke & Rieman. Mr. Roepke is a new man in the business but Ernest Rieman, brother of H. W., is well known in this city. The new firm will continue to grow Smith & Young's famous Stratford specialties. The Smith & Young Co. is going to add several houses to its Cumberland place.

John Heidenreich is cutting very fine gladioli. J.

OKLAHOMA CITY, OKLA.—The first flower show held recently was a distinct success, the attendance being very large.

BEFORE YOU BUILD GET FOLEY'S ESTIMATE.

The Foley **GREENHOUSE MATERIALS** The Best

All Heart Sun-Dried Cypress. Unequalled.
Cut Exact Size and Fit. Perfect Work.

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Always Securing Perfect Ventilation.
Adaptable to any Size House. Get Circulars.

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Sash Open or Glazed. Standard Sizes in Stock.
Get our figures and suggestions on your proposed work.
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Sash, Doors, Mouldings, **ALL KINDS OF MILL WORK** Interior Finish

For any Wood Work used in Constructing Residences, Factories, Schools and Public Buildings. Get our Figures on any Job.

With our force of Architects, Draughtsmen, Estimators and skilled workmen we can quickly and carefully fill and promptly ship any order. Excellent Work at lowest prices.

THE FOLEY MFG. CO. CHICAGO.

Offices, Factory, Sheds and Yards: Western Avenue between 25th and 26th Streets.

STEEL RETURN TUBULAR

Steam **BOILERS** Water

WHAT F. R. PIERSON SAYS:

JOHNSTON HEATING CO., New York City.
Gentlemen.—The internally fired steel boilers which you installed last fall are giving us great satisfaction. They heat very quickly and are very economical. We are exceedingly well pleased with them and they have more than met our expectations. Very truly yours, F. R. PIERSON CO.

Johnston Heating Co., 138 East 31st, St. NEW YORK CITY
Write for catalogue and prices.

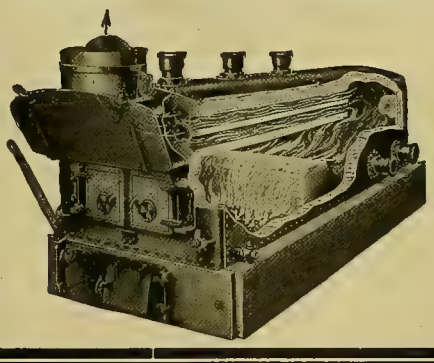
The **KROESCHELL BOILER**

IS THE ONLY PERFECT
HOT WATER BOILER.
(NOT CAST IRON)

Has water in front, sides, top and a water back.

Made in 15 sizes, heating 6,000 to 50,000 square feet of glass to 60° at 15° below zero.

Prices and catalogue on application.



KROESCHELL BROS. CO.
45 Erie Street, CHICAGO.

We Invite All Greenhouse Owners to investigate our

IMPROVED METHOD OF

HEATING

Our COMPOUND Vacuum System requires SMALLER STEAM mains and connections, secures BETTER CIRCULATION in distant parts of the system.

And is More FLEXIBLE, ECONOMICAL in fuel, and will give you better SATISFACTION than any other steam or hot water system on the market.

Also have a simple HEAT REGULATION that is easily connected with it if desired.

Write for catalogue and investigate. Don't take our word alone for it.

SIMONDS HEATING & SPECIALTY CO.,
103 Washington Ave., DETROIT, MICH.

Albany, N. Y.

Commissioner Wallace Greenalch of the department of public works has announced the appointment of Philip Bender, a member of the board of assessors, superintendent of parks to succeed Wm. S. Egerton. The appointment will take effect upon June 1. Mr. Bender has been a local republican leader for some time and personally is very popular. Commissioner Greenalch declined to accept the resignation tendered by Egerton, but removed him on May 18 for alleged irregularities in handling the pay rolls of the bureau of parks.

Harry G. Eyres spent last week in the Adirondacks fishing for trout with a congenial party of friends. The members met with considerable success.

R. D.

Louisiana Red Cypress

"THE WOOD THAT WON'T ROT."

There is a test which every florist can make on his greenhouse and hotbed material, i. e., the test of **Durability.**

Try Cypress, the wood that has been tested.

T IS THE MOST DURABLE WOOD KNOWN. Ask about it at your local lumber yard or write

LOUISIANA RED CYPRESS CO. HIBERNIA BUILDING, **New Orleans, La.**

The Allied Trades

Descriptive particulars—with drawings or photographs, if possible—of any new apparatus or device which may prove helpful to the trade are solicited for this department.

A DESCRIPTION and illustration of a new iron bench for greenhouses put on the market by the Lord & Burnham Co., will be found on page 930 of this issue.

Wood Preservation for Horticulturists.

During the coming year the government will extend its experiments in wood preservation to cover an entirely new field—the work of treating greenhouse timbers. Decay takes place very rapidly under the conditions of high humidity always found in greenhouses and horticultural buildings. The timber at present employed in the construction of such buildings consists for the most part of the naturally durable and relatively expensive kinds, such as select cypress and white pine. By a preservation treatment other cheaper and less durable species can probably be successfully substituted for them, and this can be done at a low cost.

In the treatment of greenhouse timbers several problems must be solved. For instance, it is desirable that the wood used in greenhouse construction be painted white in order that it will reflect as much light as possible. Consequently, a preservative must be used which will allow the treated timbers to hold a coat of white paint. Again, no preservative can be used which will in any degree affect the growing plants. It is probable, however, that these difficulties can be overcome, and the completion of the investigation will be watched with interest.

The investigations in wood preservation by the use of creosote, which is nothing more than the dead oil of coal tar and of zinc chlorid, is considered of such importance by the government that one branch of a bureau in the United States Department of Agriculture—the office of wood preservation in the Forest Service—is given over entirely to the work of experiments in co-operation with railroad companies, mining corporations and individuals who desire to prolong the life of the timber which they use. Advice and practical assistance are furnished all who request it of the forester at Washington.

BROOKLYN, N. Y.—In the Weir dispute, Surrogate Ketcham held that the executor had properly acted in deciding that the money and book accounts of the firm were firm assets in which the widow was entitled to share, instead of the decedent's estate.

THEY ARE SPEEDILY ERECTED

No complicated structural parts to take extra time, no delays in erecting the frame work, for every member is accurately cut, drilled and fitted for instant erection when it reaches your grounds.

They are the simplest, lightest, strongest, most enduring, attractive and productive houses built, and they also cost less to maintain.

The ideal construction for private estates, parks, public institutions and florists' showrooms

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U-BAR GREENHOUSES

PIERSON U-BAR CO.

DESIGNERS AND BUILDERS

1 MADISON AVE., NEW YORK

LUMBER

for Greenhouse Benches, Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.

We are in special position to furnish **"PECKY" CYPRESS;** everything in **PINE** and **HEMLOCK BUILDING LUMBER.** WRITE FOR PRICES.

Adam Schillo Lumber Co. Cor. Weed and Hawthorn Sts., **CHICAGO.** Tel. Lincoln 410 and 411.

For Best Results Advertisers should mail new advertisements and changes so as to reach us on Mondays.

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXX. **CHICAGO AND NEW YORK, JUNE 6, 1908.** **No. 1044**

THE AMERICAN FLORIST

TWENTY-THIRD YEAR.

Copyright 1908, by American Florist Company.

Entered as Second-Class Matter Nov. 11, 1891, at the Post Office at Chicago, Illinois, under Act of March 3rd, 1879.

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324 Dearborn St., Chicago.

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Address all correspondence, subscriptions, etc., American Florist Co., 324 Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—FRANK H. TRAENDLY, New York, Pres.; W. N. RUDD, Morgan Park, Ill., Secy.; H. B. BEATTY, Pittsburg, Pa., Treas. Next meeting at Niagara Falls, N. Y., August 18-21, 1908.

THE NATIONAL FLOWER SHOW.

CHICAGO, November 6-15, 1908.

Wm. F. Kasting, Buffalo, N. Y., is chairman of the general committee in charge. Chairmen of sub-committees follow:

EXECUTIVE AND FINANCE—Wm. F. Kasting, Buffalo, N. Y.
AMERICAN EXHIBITS—Ph. Breitmeyer, Detroit.
FOREIGN EXHIBITS—E. G. Hill, Richmond, Ind.
PREMIUM LIST—W. N. Rudd, Morgan Park, Ill.
ADVERTISING AND PUBLICITY—Geo. Asmus, Chicago.
LOCAL MANAGEMENT, PRIVILEGES AND CONSESSIONS—J. C. Vaughan, Chicago.
SPECIAL FEATURES—Otto G. Koenig, 6471 Florisant Ave., St. Louis, Mo.
RECEPTION—Aug. Poehlmann, Morton Grove, Ill.
AUDITING—J. A. Valentine, Denver, Colo.
TREASURER—I. C. Bertermann, Indianapolis, Ind.

The above chairmen have power to select their Various committees from the general committee of 50 or the members of the S. A. F. at large.

THE AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Annual convention at the twin cities, St Paul and Minneapolis, Minn., August 11-14, 1908. JOHN F. COWELL, Buffalo, N. Y., president: F. L. MULFORD, Harrisburg, Pa., secretary-treasurer.

AMERICAN PEONY SOCIETY.

Fifth annual meeting at Ithaca, N. Y., June 19-20, 1908. C. W. WARD, Queens, N. Y., Pres.; A. H. FEWKES, Newton Highlands, Mass., Sec'y.

AMERICAN ROSE SOCIETY.

Summer meeting and exhibition at New York June 10-11, 1908, ROBT. SIMPSON, Clifton, N. J., president; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., secretary.

SUGGESTIONS FOR CUT FLOWER GROWERS.

Sweet Williams.

In growing sweet williams, the most important point is to obtain a good selection of seed, as the cheaper, common strains are almost useless as cut flowers, indistinct in outline and poor in color. But a good strain, especially of the auricula eyed section, will produce very fine showy flowers that are always appreciated. The seed should be sown thinly at once in drills on a piece of clean ground or in frames and the seedlings transplanted when large enough. When these are being pricked out it is not well to select the largest and best seedlings, for, as often as not, the weaker looking plants are they that produce the best flowers. Grow the plants on a firm soil right along and keep them clean by frequent hoeing.

Calanthe Veitchi.

Where the old bulbs were cut up as advised recently the pieces or sets will now have made some growth and will be fit for potting separately. If no roots have started from near the base of the new shoots this is a comparatively easy matter but if they have then considerable care is necessary or the roots will be damaged and the plants checked. The best compost for this calanthe is a mixture of good sound loam and chopped sphagnum moss with a tenth part of old dried cow manure broken in rough lumps. In potting see that the point of root emission is kept just below the surface of the soil. If rooting, a little moisture will be needed right from the start but if no roots are present it is useless watering the soil. Just keep the plants in a warm and very moist atmosphere. The flowering bulbs potted some time ago are growing and rooting freely now and must be kept moist at the roots. A little later these will be fed with light doses of liquid manure but not until the roots have taken a good hold of the soil. Keep the plants growing freely and keep an eye lifting for red spider and the soft brown scale that affects these orchids. Just sufficient shading to prevent injury to the foliage is all that is needed.

Perennials.

Where there are still pot or frame plants of gaillardias get them planted out on good soil without further delay. The gaillardia thrives in an open sunny position, but the flowers must be cut early in such places or the sun takes the color out of them. Nothing is easier to grow than these popular and beautiful plants and they are worthy of all care. Boltonias may also be planted out if not already done. These are useful for cutting, but take up considerable room. Shasta daisies and other of the hardy chrysanthemums must also go out now if not already done, as, if kept in pots they get hard and start badly. Good young stock of all these fine perennials is far superior to old, worn-out clumps for cutting from and a constant succession of these should be kept up by sowing or otherwise propagating annually.

Forget-Me-Nots.

There is a certain amount of sale for forget-me-nots (myosotis) in early spring and it pays to grow a bench of them, especially when there is a retail store in connection with the greenhouses, as such flowers must be fresh to be at all attractive. Where there is a good stock that keeps clean it is good policy to divide this up, but when the stock is diseased it is better to throw this away and raise new from seed. In about two years of selection one can fix a strain of the true dissitiflora, that keeps dwarf and compact, yet produces fine flowers. Sow seed at once in flats in a frame or thinly in drills in the open air and prick out the plants in nursery beds when ready. The forget-me-not likes a cool, airy, but, if possible, lightly shaded position and preferably where the hose can be used over the foliage several times during the growing season. If the old plants are to be divided up reject all hard, woody, old shoots and plant out only healthy, stubby side shoots, each with a few young roots, nine inches apart each way, and treat as advised for seedlings. The best time to propagate in this way is when the flowers are just going over.

Dahlias.

Plant out all stock at once in good but not over rich soil, depending more upon surface feeding later if anything extra in this way is needed. The distance to plant when growing simply for cut flowers depends a little upon the variety but 30 to 36 inches apart in the rows and the rows five to six feet apart will usually be sufficient. In planting let the soil dish a little to the stem and, after planting and watering thoroughly and the water has drained away, place a ring of soot and lime around each plant to keep slugs at bay or use protectors of some kind. The plants soon get established and when they have a good hold use the hoe around them freely in preference to watering. Later in the season, when the flowers are forming and the soil is warmer, frequent waterings and feeding with liquid manure are in order. It is well to be in front with trapping earwigs and although there are numerous traps supposed to be good for the purpose the old plan of filling small flower pots with dry moss and placing them on stakes or otherwise around the plants is as good as any. A boy can be detailed to go over the traps daily and the plants will be kept free with very little trouble. See to staking the plants directly they are set out or the sudden winds that rise at this season will snap off many of the best plants.

Sweet Peas.

No plant pays for careful attention better than the sweet pea, yet often the seeds are sown and some kind of support given them and that is all that is done in the matter. The rows that are taking to their supports now should be carefully cultivated and the later rows thinned where necessary. Very often a light shade is an advantage and the old fashioned way of staking with brushwood was a great help in this way. Although the sweet pea likes ample light the scorching sun in summer takes the life out of the plants and the color out of the flowers. Rows running northeast and southwest do not suffer so much as others running directly north and south or east and west. The sun does not shine on one part of the row so long at mid-day and one row shades the next. The flowers are so valuable that any assistance possible along these lines ought to be given. Also when cutting the flowers care is necessary not to break the vines as this will cause them to give way quicker than anything. Except in rows specially saved for seed the flowers should be kept closely gathered as seed production, or even carrying the flowers to the fading stage, is a great strain on the vines and should be avoided.

Rose Rust.

The report of the Connecticut Agricultural Experiment Station, after mentioning the rose rust, Phragmidium speciosum says: "Sturgis, in his report for 1893, p. 86, mentioned injury to cultivated roses by another species of rust, P. subcorticium, but this is the first note in the station's reports of the above species. It was found on cultivated roses in Westville, causing considerable injury to the stems, to which it was limited. As usual, only the III stage appeared on the infected stems, forming small, hard, black pustules, usually occurring in clusters."

THE ROSE.

KEEP the shoots moderately thin on Bride and Bridesmaid now and admit all the air possible.

LOOK out for green fly, especially on the young plants of Richmond and similar leaved varieties.

INSECTS can be seen on the upper surface of the leaves; it is underneath where they are dangerous and must be looked out for when spraying.

Jottings on Rose Culture.

THE COMPOST HEAP.

When making up our compost heap we place first a layer of sod one foot thick, then a 6-inch layer of cow manure, with a good sprinkle of air slacked lime over the latter, repeating this as often as necessary and topping off with from four to six inches of fine soil that has fallen from the sod in handling and over all put a thin coat of wood ashes, about one barrel to each 40 square feet of surface. We build in the fall and let the heap stand until wanted for use, then handle in the usual way. We find this mixture gives the best results for all roses.

PLANTING.

The best time for planting roses is from May 1 until the end of June. See that the benches are in good repair for another season and give them a good hot lime washing. In filling the benches use the rougher part of the compost for the bottom and the finer for the top; fill the benches water level and plant 15 inches each way; alternate in the rows. Plant firmly and then give a thoroughly good watering that will reach the bottom. After this keep the soil evenly moist with an occasional watering to reach the bottom of the bench. Stake and tie the young plants at once in order that they can be syringed without breaking or making a crooked, ugly growth.

TIEING.

After commencing to cut regularly and as the cooler weather comes on, keep all blind wood well tied up and only tie such flower canes as will not stand alone. If possible tie these below where the cut will be and probably the break from this will be straight and able to take care of itself. Plants so treated get a better circulation of air about them and produce better flowers and more of them than plants that are neglected as to tieing.

CUTTING THE FLOWERS.

The first flowers after planting will not amount to a great deal, though we do get some fair stock from the start. Aim to cut the stems to produce a bush with, on an average, four good eyes to break. After the plants are from 18 to 24 inches high, always cut back to two good eyes and more and better flowers and longer stems will be produced.

MULCHING.

By September the plants will need top dressing, as by this time the soil will have settled down considerably in the bench. For the first dressing we always aim to have enough compost left over as plants do not need a heavy feed; we put on at least a good half an inch and by the middle of October or the beginning

WREATH AT THE FUNERAL OF WM. SCOTT, BUFFALO, N. Y.

By W. J. Palmer & Son.—Galax, Cycas Leaves and Lilac.

of November give a good manure dressing. As this gets washed out we give others as needed which will be on the average about every six weeks until March when, as the days get longer, and brighter, we commence with liquid feed to give quicker results.

VENTILATION.

Careful ventilation is of great importance; during the summer and early fall give all the air possible both night and day to get the plants well hardened and have no soft growth to start in with when bad weather arrives. By paying strict attention to water, air and draughts mildew will be kept in check. After hard weather sets in get the temperature gradually down to about 56° at night. Impress it on the fireman that the more even the temperature is kept the better the quality of the flowers produced. For best results commence to give daylight air at 64° or 65° and gradually increase this as the temperature rises. Allow all the air possible by day consistent with avoiding draughts and maintaining a temperature of 70° to 75°.

WATERING AND SPRAYING.

These are important factors in successful rose growing. Give a hard, vigorous spraying on all bright days, and always spray from the bottom of the plant upwards as the under sides of the leaves are where the pests lodge. This also keeps the pores of the leaves open and the plants in good health. Keep a watch on the bottom of the beds and do not allow this to become dry, for dryness soon stops root action and will soon tell on the quality and quantity of the buds. When the benches need watering, give a thorough moistening that will reach the bottom. Some spots will need more than others, so aim to have all in as even a condition as possible.

WEEDING AND CULTIVATION.

Keep the weeds down as they rob the soil and the top of the soil should be scratched over every two or three weeks. Oftener is better as it lets in the air and keeps the soil sweet. Never allow the soil to cake over the top too long or a scum to form or the effects of it will soon be seen. We always give a dusting of lime over the soil about every two months and after the following watering scratch it over to prevent it hardening to a crust. This is a great help in keeping the soil sweet and gives the plants a good constitution.

STRIKING CUTTINGS.

Get sharp sand with as little as possible or no soil in it. On the cutting bench, after a good coat of hot lime wash, we always place one inch of sifted ashes and on this a good three inches of sand, packing this down firmly. After the cuttings are in the sand give a good thorough watering, one that will go clear through, and on bright days spray frequently and keep well shaded for the first 10 days or two weeks. This will result in 98 per cent of rooted cuttings. For the cuttings select strong, substantial wood, fairly well hardened; take no soft growth and make three eyes, one in the sand and two out. Heel cuttings are always the best, but we cannot have all heel cuttings, so we select the very best wood we can.

HELD OVER PLANTS

We advocate holding over the plants from two to four years, for, with proper care and attention, we get better flowers from these and more of them than from young stock. Such stock needs a period of rest and the wood must be well ripened and all weak wood pruned out. The older the bushes the more feed they will require and thrive with; the color of the flowers is better also the substance in the older stock. I have cut some fine buds from stock as old as eight years in the bench.

F. P. B.

SOCIETY OF AMERICAN FLORISTS' WREATH AT WM. SCOTT'S FUNERAL.

Upright Wreath of White Roses, by W. J. Palmer & Son, Buffalo, N. Y.

Good Summer Roses.

ED. AMERICAN FLORIST:—

Is there any good white or pink summer rose, outside of Carnot and Kaiserin, for culture under glass? What about Mme. Testout? ROSES.

Replying to "Roses" we would say that we think it would be a difficult matter to select anything better than Kaiserin or Carnot. Testout is a grand rose; the color is ideal, but it opens quickly and doesn't keep nearly as well as Kaiserin and Carnot. Maman Cochet for a pink and White Cochet are both excellent summer roses, either under glass or outdoors; they are not fragrant but they make up for this in a measure by giving us such large flowers, and perfectly shaped buds. White Cochet being delicately tinted makes it a very desirable rose for all around use. Wellesley, a fine salmon pink variety of the Duchess of Albany type is also an excellent summer rose. But for general purposes, as stated above, we pin our faith to Kaiserin and Carnot. E.

The Nurserymen's Convention City.

MILWAUKEE, WIS., JUNE 10-12.

The origin of the word Milwaukee has long been a matter of dispute. As many meanings have been ascribed to the word as modes of spelling—and these have not been few. The various ways in which Milwaukee has been written and the dates are as follows:

Melleoki—Fathers La Salle and Hennepin, 1679.

Millioki—Father Zenobe Membre, 1679.

Meleki—Old French map of 1684.

Milwarik—John Buisson de St. Cosme, October 7, 1699.

Milwacky—Lieut. James Gorrell, September, 1761.

Milwakie—Col. Arent S. De Peyster, July 4, 1779.

Millewackie—Samuel A. Storrow, September 29, 1817.

Milwahkie—Dr. Jebediah Morse, in summer of 1820.

Milwalky—Maj. Irwin to Col. McKenney, October 6, 1821.

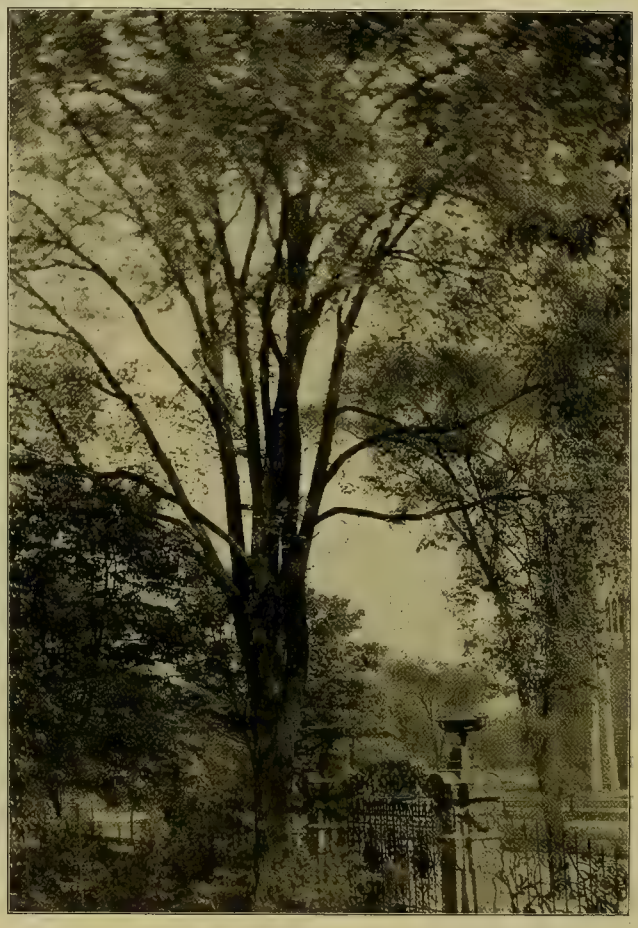
Milwaukie—In headline of the Milwaukee Sentinel to November 30, 1844.

The most generally accepted version of the meaning of Milwaukee is that the original Indian word signified council place, and that here was neutral ground. Old residents say that it is a fact that the Indians regarded the east side of the river as a sort of gathering place, the spot chosen for their councils being the hill that used to exist where the St. Charles hotel now stands.

Three rivers found their way to Lake Michigan between some few hills and a large proportion of elevated land, and draining some extensive valleys, where the Indian hunted and picked wild rice. The low lands have all been raised by filling in with the tops of the hills, so that florists who visit the Cream City (from color of its brick) in June will hardly comprehend the immense amount of labor that has been expended in bringing Milwaukee to its present grade levels. It is still far from a flat town. The Menominee valley, through which flows the small river of the same name, was originally marshy, but has been platted into canals and dockage land for commercial purposes, and all three rivers now empty into the lake at the same place. While these rivers and canals are valuable for marine commerce, they render necessary many bridges. It has been claimed by some who should know, that Milwaukee has twice as many bridges as London, some of the newer structures being very fine.

The sewer system has been a gigantic undertaking, many miles of tunnel having already been finished. The streets are now in fairly good condition. The question of the best pavement remains unsolved to date, and consequently we are using asphalt on the level and hardened brick for the inclines. Some streets for freight traffic are paved with granite blocks which hold out better than any other. All wood pavement has been discarded and through most of the residence portion of the city crushed stone is used.

The almost universal practice of planting street trees will impress the nurserymen, but the evidence of there being no organized effort to protect them will not escape notice. City ordinances relating to public highways cover every part of a street but the trees, in fact, according to law, I believe, street trees might be considered vagrants; at any rate, they are objects of love and charity. The practical visitor will notice that in almost every case they are planted too close together, and between curbing and walk regardless of how narrow this space may be or how extensively covered with airtight pavement. Appreciation in these days appears to have taken the form of light gratification in immediate effect, without the commonsense reasoning of the arboriculturist.



VIEW FROM THE DEUTSCHER CLUB, MILWAUKEE.

Our ornamental horticulturists will also notice the barren character of most of our school yards, which are very scant of "elbow room" and show hardly any play-ground worthy of the name. Through the commendable efforts of the lady members of the Park and Outdoor Art Association for the last two years, much improvement has been made. But our park board contributes nothing towards the school yards and actually charged the ladies $3.50 not long ago for time of a man who called at one of the schools to give some professional instructions. One may go through our largest park some days and meet a dozen people enjoying the surroundings and about the same time pass a school with 400 scholars trying to get some recreation out of clay bank 100x150 feet.

Milwaukee's water department is a decided success, strange as it may seem to some. While abundance of water is distributed at very low rates, there is a large profit annually to the city. The large lake-like reservoir, at the top of a high hill in Kilbourn park, will be of interest to many, while the pumping works on the lake shore are well worth a visit. The public museum and library building will be admired, first as a structure and then for its appointments, but most of all for the use it is being put to for the benefit of our schools. The attitude of our museum and library board toward the schools is in marked contrast with that of our park board.

The city hall is very well architecturally, and we want visitors to look it over and keep time with the toll of the monster bell that rings out from the tower, but we are not proud to tell strangers that we went into debt something like a $1,000,000 for it. The Layton art gallery we are truly proud of, also of our much respected citizen, Fred. Layton, who gave it to the city. Both are above criticism. The fire department ranks high, and the fire tug service upon the rivers is quite powerful and efficient. There are about 25 fire companies, and the amount of property they protect is enormous. Among a large number of industries Milwaukee is the world's largest producer of leather, machinery and beer. The police force is remarkably small for the population as compared with other cities. Street car service is excellent, with good cars to all points. Transfers are issued from one line to another provided they are requested on payment of fare.

In the environment of Milwaukee, according to a recent writer, there is still that pervasive influence and charm that inspired those who christened it "Bright Spot," and which from that day to this has fixed the affections and insured the loyalty of its inhabitants, which still appeal to the wayfarer, the passing traveler and the sojourner within its gates. On the one hand, with its fleets of ships, lies broad Lake Michigan, and, like a great crescent, the nearer bay, rivaled by few, perhaps excelled only by that one of which the poet sings,

> Where high rocks throw,
> Through deeps below,
> A duplicated golden glow.

On the other hand, and stretching away from the very limits of the city, lies the most charming and picturesque region of the west, known as the "Lake Region of Wisconsin." There are many low, rounded hills, covered to the very top with virgin forest. There are rivers large and rivers small, chief among them the noble Wisconsin, which at Kilbourn pours its mighty flood through nine miles of narrow gorge known as the "Dells," whose high walls are pierced with many a picturesque ravine and grotto. There are broad interlying valleys and countless intersecting lakes, whose names are in-

SOME VIEWS IN MILWAUKEE, THE NURSERYMEN'S CONVENTION CITY, JUNE 10-12.

digenous to the land and to a race long since dispersed. At the very threshold of the city lie

Oconomowoc and Waukesha,
Pewaukee and Nashota,
Nemahbin and Waubena,
Nagawicka and Minocqua.

In these names of world-wide reputation, familiar to thousands of health and pleasure seekers, and in the name of the city where a supplanting people now gathers in council, have these first occupants of the land left imperishable memorials of themselves and their time.

Verily, the auspices which were in the ascendant at its discovery, which during the years have charged the ether, impregnated the soil and influenced the builders, still reign, and if these surroundings and present conditions, these associations with an origin and history that shall yet be written of as a classic, do not supply an inspiration by the aid of which the student shall more deeply consider and reflect, the politician become more honest, the logician more accurate, the philosopher more profound, the orator more eloquent, and all men in their deliberations wiser, better, more thoughtful and sincere, where then may the council wigwam be established, and where shall Utopia be found?

Cyclamens and Primulas for Seed.

In our issue of April 4 we called attention to the important work in breeding cyclamens and primulas at the fine establishment of the St. Georges Nursery Co., Harlington, England, and we now present our readers with a good portrait of L. M. Graves, the head of the firm, and several illustrations from photographs taken in the houses where these plants are grown for seeding. In the house of primulas Mr. Graves is fertilizing the flowers, this being carried out by hand in all cases with the aid of a camel hair brush. The whole of the work at this place in fact is carried out upon a thorough and systematic basis, all crosses being recorded and noted, and the utmost care being taken to prevent any error. The trade of the firm in ordinary market plants enables it to profitably dispose of any plants not quite up to the high standard needed for their seed bearers. Only the principal tiers or whorls of flowers are fertilized thus ensuring fine flowers for the purpose. Giant White, Salmon Pink, Crimson King and Royal Purple being the varieties most grown.

Cyclamens are the firm's principal specialty and the experience of the growers and the firm, which is of over 40 years' standing, is sufficient guarantee that not one out of the 20,000 or so plants that are grown for seed will be unhealthy or of poor type. There are just about 20,000 plants in the house of seedlings shown in the illustration and each one of these has to be carefully scrutinized before being used either as a seed or pollen bearer. All others are weeded out and sold as indicated above. Good, well marked foliage, flowers of good size and clear, bright color, with stiff stems are the characteristics looked for in the parents of all crosses and though the amount of seed produced under this strict regime is necessarily much less than would be the case were looser methods practiced, the quality of that saved is of the highest.

Self fertilization is guarded against by pollenizing the flowers on each plant early with pollen from another one of the same variety and by this means both vigor and truth to name are insured as far as this is humanly possible. For the mixed varieties the same care is taken to avoid self fertilization, but here the plants are crossed, not indiscriminately exactly, but crosses are made between varieties of good quality and of characteristics which it is desirable to perpetuate. In the illustration showing the house of cyclamens in flower for seeding there would be many more flowers showing, but for the reason that most of the stems are bearing seed pods and these bend the stems over by their weight. It is a true picture of the best methods of producing seeds of the highest grade.

Among the varieties of cyclamen, that named Ourown takes a very high position, being well known among Covent Garden salesmen. It is an immense type of flower after the style of Salmon Queen and is the result of many years of careful selection and re-selection. Seed of it, so far, is scarce, and comparatively high in price, owing to the rigid selection of the parent plants. Picturatum, Grandiflora Alba, Mont Blanc, Sunray, Prince of Wales, Princess of Wales, Duke of Connaught, Rosy Morn, Brilliant and Crimson King are other leaders. All are of the true giganteum strain and most of them have been awarded certificates by the Royal Horticultural or Royal Botanic Societies.

S.

L. M. Graves.
Senior Member of St. Georges Nursery Co.

Decoration Day in Chicago.

Retailers in Chicago are very well pleased with their business for Decoration day. In former years there has often been a scarcity of good outdoor and other cheap flowers that help out with the kind of decoration specially called for at this holiday, but this year there was plenty of all kinds of outdoor stock, while the indoor flowers, owing to the comparatively cool weather, were also of good quality and plentiful. Peonies, as we anticipated some time ago in this column, are in excellent shape and only where they are cut too tight have we heard of any complaints.

John Mangel has been and still continues very busy and he sold clean out of all cut flowers on Decoration day. He disposed of a quantity of large box and bay trees up to $50 each and all classes of plants sold well. We noted some very fresh and well grown Adiantum Farleyense in his store and all classes of cut flowers in the very best of order. Nine weddings in one day is a fair trade, and this was Mr. Mangel's share on June 3. At a large wedding in the city he used over 5,000 peonies and 1,000 American Beauty roses, besides a large amount of other stock. Funeral work has also been good and altogether trade in this popular store is exceedingly flourishing.

A. Lange reports an excellent trade, funeral work helping here, as well as a fine Decoration day business. One casket cover made took over 2,000 lily of the valley, besides a number of choice orchids. The dollar boxes of flowers are still going strong and a remarkable lot of stock is disposed of, keeping the 19 employes on the jump to keep things right. Manager Fred Sprail is just getting over his exertions of night and day work during the rush, but does not appear unhappy over it. Fleischman's report trade as excellent in every particular, but Decoration day does not affect this store so much as some others.

Hauswirth, Florist, reports an excellent trade right along and Mrs. Hauswirth says there are plenty of good wedding and other orders in sight. Prominent funerals still continue to use up large quantities of stock and for Decoration day choice roses and orchids were the leaders. Mrs. Hauswirth had just received an excellent small portrait in

AT THE ST. GEORGES NURSERY, HARLINGTON, ENG.
House Containing 20,000 Seedling Cyclamens.

oils of her late husband, the lamented Phil. It is a splendid likeness, which she will doubtless highly prize, and we were glad to see it. Harry Rowe, the Eaton Flower Shop and others of the principal stores visited all did a rushing trade on Decoration day, and on the whole it may be considered one well above the average.

CHRYSANTHEMUMS

PLANTING time.

MAJOR BONNAFFON keeps its position as a good midseason yellow.

WATCH for the natural break and pinch the flower and at least one leading shoot out.

Notes in Season.

No plant is more responsive to good treatment in the matter of soil than the chrysanthemum, but as it is easily grown in soil of a poor character, this is too often given it. Soil that has done duty in the rose, carnation or other benches, sometimes even without the addition of any fertilizer, is used and growers wonder why, though the plants apparently make a good start, the flowers are poor and lacking in substance. It is often impossible to provide good new soil for all the benches of chrysanthemums, but at least the old soil should be livened up with a little new loam and manure, also a good sprinkling of bonemeal. In such soil the plants will hold out better, the foliage will be stronger and the flowers of better quality. Soil, too, that has been stacked outside through the winter after being used and has been well weathered is far better than that taken direct from the benches devoted to other crops.

The growing season of the chrysanthemum, after being planted on the benches, is short and careful preparation of the soil and planting will be well repaid. Often at this time there are various batches of plants—some well rooted and vigorous stock ready to go out, others small and poor and it is wrong to plant this up indiscriminately. The plants should be selected or graded, the best kept by themselves and planted earliest. The smaller, badly rooted or weak plants should be given good care until they become better established before being planted. Not only do the latter take longer to obtain a hold on the soil than is desirable but the better plants get away much quicker, overgrowing their smaller neighbors and appropriating their share of the food in the soil, and the last state of the weaklings is worse than the first. It is also very difficult to properly water benches irregularly planted as the big plants dry out much more quickly than the small ones and require twice as much water.

The soil should be placed loosely on the benches about five or six inches thick to facilitate planting but when planting use the rammer or potting stick and get the soil well firmed around the roots. If the plants are at all potbound, spread out the roots a little but do not break the ball up more than is necessary as the snapping of the principal roots severely checks the plants. Get the soil as regularly firm as possible around the plants and when finished scratch the surface over with the rake to prevent the water running off. Give one thorough soaking of water and allow the benches to dry out fairly well before repeating the dose. Some growers appear to think that all that is necessary to produce good growth and flowers is feeding and they commence feeding soon after planting, before the roots have taken proper hold of the soil, let alone used up the nutriment in it. The result is soon seen in pale colored foliage, becoming almost yellow at the top of the plant and a general unhealthy condition. Chrysanthemums like plenty of feeding but the roots must first of all be in a condition to make use of the stimulants which they cannot be until they have obtained a good hold of the soil. As a rule the plants will be some 15 or 18 inches high and strong in proportion before any feeding is necessary and they will not need it then unless the soil was poor at the start.

Insects must be carefully kept down now. Often at this time green or black fly makes its appearance in the points of the plants, and, if this is allowed to make headway the latter will soon be ruined. A little pinch of tobacco powder may keep the insects in check for a time but, if they get ahead, either spraying with some of the nicotine preparations or fumigating will be needed. Red spider occasionally appears at this time but if the weather keeps bright and frequent sprayings with cold water are given this insect will be made too uncomfortable to stay long. But avoid heavy spraying in damp dull weather or anything likely to result in a very soft condition of the foliage.

AT THE ST. GEORGES NURSERY, HARLINGTON, ENG.
House of Cyclamens Seeding.

AT THE ST. GEORGES NURSERY, HARLINGTON, ENG.
House of Chinese Primulas Seeding.

The Evolution of the Greenhouse.

HITCHINGS & CO., ELIZABETH, N. J.

Though it is altogether improbable that perfection in greenhouse building has yet been reached, those of us whose memories can hark back for 30 years will readily agree that the greenhouse builders have reached that stage in the race which is tersely designated as "going some." The primitive man, who with flint and fire laboriously wrought a something that would float him and his scant belongings over the water, was far behind our modern constructors of battleships and ocean greyhounds, but he had an idea. Improved upon and enlarged—cross-fertilized let us say—the idea of the dugout, like many other crude ideas, has been carried forward to splendid accomplishments.

Considering that scientists and historians have handed it down to us that the world is old, it is but a short time (1699) since Duilhies published his book on "Fruit Walls Improved." The practice of growing fruit against walls as a protection against wind and for the heat retained by the masonry, had long been in vogue. Duilhies thought it would be an improvement to incline these walls so as to better receive the sun's rays. The plan was not particularly successful, but

it aroused other ideas, one of which was to put glass in front of the walls and over the grape vines. Another thought was to build a flue behind the wall and thus supply heat. All this, it will be observed, was evolution, even if it was little more than a pastime for the rich.

ESTABLISHMENT OF HITCHINGS & CO., ELIZABETH, N. J.
Exterior View of Foundry.

While all this was happening in England and the countries of Europe, the American pioneers had not yet reached that stage of prosperity where even fruit walls were much to be considered. Thus it has happened that at a comparatively recent date we have had greenhouses improved from hotbed sash, flue houses and houses built in installments, each one a trifle better than its predecessor, but all crude. It is therefore a satisfaction to those interested in the mechanical appliances that in the past 25 years they have done much to place American horticulture and floriculture on the high plane they now occupy, to visit an up-to-date factory where greenhouses and boilers are constructed on a perfected system, by which, on very short notice, a thoroughly equipped range can be placed at the disposal of the grower, designed in every detail to meet the various requirements of his business.

Such a plant has recently been established at Elizabeth, N. J., by Hitchings & Co., and as this city is less than 30 minutes by rail from New York, doubtless many florists and private owners who are taken to the metropolis by the demands of business will take time to visit this interesting city and what should be to them the doubly interesting industry of Hitchings & Co. It seems unnecessary to go into all the details of construction as it is carried on at this plant, for it is now generally known that in the modern greenhouse factory only up-to-date machinery is used in the preparation of both iron and wood. From a power house equipped with high-pressure boilers ample power is furnished to operate a large foundry, a wood and iron construction shop and machine and blacksmith shops. There are also storehouses for the finished greenhouse material and boiler sections and minor storerooms for the convenient handling of all the lighter equipments of the greenhouse. A commodious office building is occupied on the ground floor by General Manager Sefton and his staff and on the upper floor by a force of draughtsmen.

If we were required to particularize as to interesting features about the place, a powerful machine for bending the iron frames might be mentioned. In the foundry, the rapid distribution of the molten metal for casting the boiler sections is noteworthy. Following these sections to the machine shop, we see them smoothed and drilled with similar dispatch. Sometimes in traveling we see "factory sites for sale," and from the general surroundings we get the impression that they are thus offered because considered by the owners unfit for any other purpose. In contrast to such, the Hitchings factory is finely located in a dry and level tract of 28 acres, 15 acres of which have been already utilized, and besides the buildings, necessary improvements in roads and walks have been made. As already stated, the object of this sketch is not so much to describe a modern greenhouse factory as to call attention to the evolution of greenhouse building.

ESTABLISHMENT OF HITCHINGS & CO., ELIZABETH, N. J.
Executive Office and Draughtsroom.

Co-Operation of Wholesaler and Retailer.

A paper read by Arthur Niessen, Philadelphia, Pa., before the Florists' Club of Philadelphia, June 2:

The title of this paper is "Co-operation Between Wholesaler and Retailer in Times of Over-production." Why it has been added to the title "in Time of Over-production," is more than I can understand. If we cannot work hand in hand when the market is about evenly balanced between supply and demand, we certainly cannot expect to do so when the commission man is at the mercy of the retailer. We always have had, and will have, at certain times of the season a glut of some sort. This does not only apply to our trade, but to every other line as well. In our line it is due to unavoidable over-production; in other lines, probably due to an over-estimated demand. I would like to ask the retailers present, "Are you doing anything, or are you making any effort whatever to relieve the market of its over-production?" Beyond finding fault with the manner in which the commission man is trying to meet this serious problem, the majority are doing nothing.

How to find a market for this over-production is a problem worthy of a genius. It has been our experience that, although we offer flowers to the retailers at what would seem ridiculously low prices, they will not buy any more than they positively need. The thought how they could handle this stock, and in some way increase their sales, never enters the minds of the majority. I am quite sure, if the retailer were situated the same as the commission man during a glut, that if he had to take the stock regardless of having an immediate outlet for it, he would find ways and means to make it profitable for him to handle it. Necessity is the mother of invention, and it is wonderful what we can do when we must.

It is very evident that to a certain degree the conditions of the market during a glut could be improved upon by co-operation, but in that direction progress seems extremely slow. The feeling towards the commission man by many of the retailers is decidedly antagonistic. It is indeed surprising that by many retailers the commission man is considered a necessary evil, whose sole reason for existence is to oppress the retailer by extorting exorbitant prices, and imposing all sorts of hardships. These retailers will, without hesitation, make the state-

ment, that they will favor the grower who peddled his stock every time. The commission man is called upon only during a scarcity to supply that which the grower could not possibly supply. Coming to the commission man under such conditions, and being asked a fair price, for the goods wanted, he assails the commission man for the seemingly unjust treatment, and he is classed with the pirates and daylight robbers. Just as soon as we can overcome the feeling of the retailer, as described above, towards the commission man, we are one point closer to co-operation.

We cannot dispose of our surplus to the five and ten cent stores; there is only one outlet left to us, and that is to put the flowers on the street. The street fakir by most retailers is looked upon as a demoralizer of the flower business. The commission man is solely blamed for his existence, but let me tell you, that, with many of the growers who peddle their own stock, their last stopping place is the curb, and they will take anything to relieve the load and will sell the ware at a price so low that the buyer is pledged to secrecy. They are ashamed to have the price known. Can you imagine what conditions would be if the growers were depending entirely on their own efforts to dispose of their products? Some of the fakirs undoubtedly have what may be termed "nerve." One will buy 5,000 carnations that are almost asleep, take them on the sunny side of Market street, in a temperature of about 90°, and take what he calls a chance. How many retailers at the same price would take the same chances?

I do not wish to be misunderstood, that I am here to speak for the fakir. There is not a commission man, who would not gladly dispense with him, if there were any possible way of doing so. With few exceptions, they are not a desirable lot.

When you see the street fairly flooded with flowers you should always bear in mind the fact that the commission man has offered the stock to you first, that he has exhausted all the known science of salesmanship to induce you to buy it. Many retailers will advance the argument, that if there were no flowers on the street they could sell double the stock they are using. That is the very thing they should do, buy it and keep it off the street. "Give us the same chances you give the street fakir," is another time-worn saying. Let any of the retailers try it, and the results will startle them. Let them start out some morning and ask the commission man "What will you take for the shelf," and if you mean business the shelf is yours. The tendency today is just in the opposite direction. Many of the retail stores may justly be called sample stores. They do not carry any stock, the commission man is carrying it for them. The demands are sometimes startling. Ten minutes after the goods are ordered they are supposed to be delivered. The excellent service brought about by live competition is sadly misused. In that direction co-operation would do much to overcome existing unpleasant conditions.

The commission man has, after years of persistent efforts, gained the confidence of the growers. They are working hand in hand; the grower will consult the commission man about his crops for a coming season, he seeks his advice, and the trade has benefited greatly by this mutual interest feeling existing between the grower and commission man. That feeling does not prevail as much between the retailer and commission man as it should.

There is one feature which in my estimation curtails the sale of flowers, and that is, many of the retailers do not keep their prices consistent with the prevailing wholesale prices. American Beauty roses bought at $1.50 per dozen are sold at three and four times the purchase price. For illustration I will cite an instance of a grower who entered a retail store and priced his own mignonette on sale there, and he was informed $3 per dozen was the price. He then wondered why he was getting only $6 per 100 for it. To overcome a glut the retailers should aim to make large sales and small profits, instead of small sales and large profits. The ultimate results would be the same as far as profit is concerned, although a larger quantity of flowers has reached the consumer. There is too vast a difference in the price of flowers from the grower to the public. We should aim to reduce the cost of handling the stock from the time it leaves the greenhouses until it reaches the public. It seems some of the retail stores located on the main thoroughfares could dispose of large quantities of flowers by offering them at a reduced price. This they could do by eliminating all such expenses as deliveries of sales less than a certain amount, and by doing a cash business. This need not apply to all their trade, only to special sales, which may be called bargain for a certain day or time. The advertisement of bargains by the department stores is an almost infallible bait to the public.

A department store in a small town was selling carnations at 25 cents per dozen on Fridays and Saturdays. A retailer in the same town thought of meeting this price, and bought several thousand carnations to be put on sale the same days the department stores were offering theirs. The retailer did this, not expecting to make a profit on the sales, but principally to meet the price of the department store. Making inquiry, he was offered carnations at $10 per 1,000 and he felt that he was being favored, but to put it more correctly, he was doing the commission man a great favor in buying the carnations. Selling them at 25 cents per dozen, he disposed of as many as 5,000 on a Saturday. It is needless to say that beyond his expectation it turned out to be a very profitable business for him. There are ways and means of selling large quantities of flowers, and surely our retailers are energetic and enterprising enough to find them without having someone in another line of business to show them how.

Ninety per cent of the public are lovers of flowers, and 60 per cent of them do not buy them because their means will not allow it. Why not, during a glut when flowers are cheap and plentiful, cater to the great masses, and give them all an opportunity to enjoy the beauties of nature. That would cultivate a public taste for flowers. Many prospective buyers hesitate to enter your store, because they have only a small sum to spend. It is indeed a fact that by some retailers the 25 cent customer is considered a nuisance. That is a very sad mistake.

Many retailers hesitate to reduce the prices of flowers for fear that they could not get a better price when the glut is over. They claim that their customers cannot understand why the prices of flowers should vary. I am sure we all know why the price of strawberries varies, and we know it simply because the public man has been educated along those lines. Not many of us can afford them in January, but there is a time in the year when we can buy them, no matter how humble our circumstances may be. The same can be said about flowers; during a glut sell them at a price so that they may find their way into every home. But don't let the street fakir do it for you.

Another feature which is good for the business is to run special sales. There is hardly a time in the year when some stock is not more plentiful than others, which can be bought cheap. Advertise. How many florists do it? Some of the small local papers would be a good advertising medium in certain sections. A special sale will bring the crowd; the people will get into the habit of frequenting your store; you are advertising your business. In my estimation, the flower business today has reached such large proportions that the advancement of the trade can only be accomplished by catering to the great masses, and not so much to the few.

Co-operation properly applied is indeed a fine thing; in fact, it is only then practical when both or all parties concerned derive a benefit from their combined efforts. The definition of the word "co-operation," according to Webster, is "to operate jointly to the same end." The end in this case is mutual benefit, and without that there is no co-operation. Through co-operation is brought about a combined effort, which is much greater than the individual effort. Everyone concerned derives from such a combination, not a share of its strength and benefits, but all its force and good. If, in striving to advance our own position, we aim to advance that of the trade as well, we have true co-operation.

A man who toils solely for his own personal gain, who must make every transaction pay, regardless of the means to arrive at that point, is a menace to the trade in general. If each one of us would do a little something to better existing conditions, and do it with the feeling that the advancement of our profession is depending on our own individual effort, prompted by an unselfish interest, we would soon arrive at a better understanding, which would reap its own reward.

There is only one way that a man can help his trade, and that is by having faith in it, and confidence in those engaged in the same line of business. It is a terrible thing when we get so that we find fault with everything and everybody. We all know of some men who do this. There is not an honest man anywhere. That is all wrong. Ours is a good profession to the man who is trying to better it. If we all had our shoulders to the wheel, lifting with all our might, there would be no time to see who else is lifting. It is all depending on individual effort to produce one great force. I would advocate co-operation, not only during the time of an overproduction, but for every day in the year.

OBITUARY.

George F. Chandler.

Early in the morning of Memorial day passed away George F. Chandler of South Lancaster, perhaps the oldest florist and nurseryman in Massachusetts in point of years and experience in the business. For 65 years Mr. Chandler conducted, first a nursery and later a cut flower business, the commencement being in 1843. For the past two years his health had failed but up to almost the last, he was interested in all that was being done, his intellect remaining bright, and it was pleasant to hear him when in a reminiscent mood.

The one surviving son, F. Lincoln Chandler, will continue the business as heretofore, he having been associated with his father since 1887 and of recent years being in full charge.

Thus passes to his rest and reward one who has done good work in his long life, who planted trees in the beginning because he loved to see things grow and lived to see the streets of the town become beautiful and famous through his handiwork. Few of us attain to this, and none deserved it more than G. F. Chandler who was once aptly designated, "One of natures noblemen." E. O. O.

THE AMERICAN FLORIST

1885 TWENTY-THIRD YEAR. 1908

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When sending us change of address always send the old address at the same time.

Advertising rates on application.

From its first issue the AMERICAN FLORIST has accepted only trade advertisements.

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We do not assume any responsibility for the opinions of correspondents.

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In a Garden.

This is my garden—mine
Green shade and golden light,
That pyramidal pine,
Those pear trees veiled in white.

See where the blossoms' snow
Falls flake by flake, and lies
On the young grass below—
Mine is this paradise.

Lilac, syringa, thorn,
Many and sweet to tell,
Roses that shame the morn
Within my garden dwell.

Come, quiet spirits, ye
Who love green grass and flowers,
Rest here awhile with me,
Nor grudge the idle hours.

Drink peace and quiet here
Unto your hearts' content,
To last you for a year,
Dusty and diligent.

He called her Lily, Pansy, Rose,
And every other flower of spring.
Said she: "I can't be all of those,
So you must Li-lac everything!"
—Answers.

THE May flowering tulips have scored again notwithstanding the dull season.

REMEMBER the stock plants for next season before selling all the bedding geraniums.

TIN FOIL has advanced in price about 50 cents per 100 pounds recently owing to advance in lead.

THE beautiful Lælio-Cattleya, Mrs. H. G. Selfridge is again flowering finely at Lincoln park, Chicago.

THE dated yellow address label on your paper shows when the subscription expires. Please renew promptly.

THE careful grower will avoid sudden changes in temperature in fickle weather by frequent attention to the ventilation.

FAR sighted growers realize that a great amount of time is wasted by the use of poor, worn-out or out-of-date tools.

WATERING at all times must be done carefully, says J. A. Petersen, regarding the growing of Begonia Gloire de Lorraine.

PREVENT the slime in greenhouse walks by breaking them up occasionally and applying a little new ashes and a sprinkling of lime.

THERE will be a grand show of plants, flowers, fruit and vegetables at the Franco-British exhibition, Shepherd's Bush, London Eng., June 24-26.

SWEET PEA EVELYN HEMUS, a very beautiful variety with creamy ground color and picotee edge of bright pink, was figured in a recent issue of The Garden.

THERE is said to be a good opening for a florist at Storm Lake, Ia., a place of 3,000 population, with college attended by 300 students, six churches, three factories and three railroads.

THE schedule for the June exhibition of the Tarrytown Horticultural Society to be held June 12 in the Music hall, Tarrytown, N. Y., is to hand and shows a lot of good prizes. The exhibition is free.

THE paper on the relations between wholesaler and retailer, read by Arthur Niessen on Tuesday at the Florists' Club of Philadelphia and published in this issue should be read carefully by all interested.

AUG. LANGE, Chicago, will move one door west July 1 to a much more commodious store, where he will pay a yearly rental of $8,000, his previous rental having been $4,500. This is just one more summer zephyr to show that the hard times man has lost his job.

American Carnation Society.

CARNATIONS REGISTERED.

By Wa-no-ka Greenhouses, Barneveld, N. Y., Apple Blossom.—Parentage, Enchantress on a white seedling. Color, white delicately blended with pink. Size of flower, average 3¼ inches through season Habit, rapid upright grower, all growth coming from the base, good producer and good keeper on long stiff stems.

By A. E. Boyce, Wellsville, N. Y., Claribel Worth, Parentage Estelle & Maceo; color, scarlet crimson, very rich; size of flower, average 3¼ inches. At its best about Christmas; good stems, non bursting calyx, foliage rich blue, resistant to disease and insects.

ALBERT M. HERR, Sec'y.

St. Louis Horticultural Society.

The St. Louis Horticultural Society wishes through these columns to express its appreciation and thanks to the various growers, wholesalers and retailers for their liberal contributions of choice and fresh cut flowers donated to the floral booth at the charity carnival held May 16, 1908.

OTTO G. KOENIG, Sec'y.

National Council of Horticulture.

The eleventh and twelfth installment of the press service of the National Council of Horticulture have been issued, covering the following subjects: "Beautiful, Easily Grown Vincas," "Cannas," "Growing Strawberries;" "Salvia Splendens;" "Cucumbers;" "Water Lilies in a Tub;" "Japanese Iris" and "More About Deutzias." Florists, seedsmen and nurserymen should urge the editors of their local papers to apply for and use these excellent practical articles. Newspaper editors can secure copies free of charge on application to J. H. Burdett, 1720 West One-Hundred-and-Fourth place, Chicago.

Exposition at Nancy, 1909.

An important horticultural event will be the "International Exposition of the East of France" to be held at Nancy from May to October, 1909. There will be a permanent exposition, to consist of shrubs, perennials, horticultural buildings, implements, landscape and rockery work, etc., and a number of seasonable shows, plants, flowers and fruits, the dates of which will be announced later. Applications for space for plantings to be made in 1908 should be received by July 1; for planting in 1909, by November 1, 1908.

The horticultural shows will be only one division of this important exposition, which will be devoted to the arts and sciences, industry, fine arts, historical exhibits, etc., particularly of Eastern France. M. Crousse is president of the horticultural department.

Meetings Next Week.

Baltimore, Md., June 8, 8 p. m.—Gardeners' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.

Buffalo, N. Y., June 9, 8 p. m.—Buffalo Florists' Club, 383 Ellicott street.

Butte, Mont., June 12.—Montana Florists' Club, Columbia Gardens.

Chicago, June 10.—Gardeners' and Florists' Union No. 10615, 10-12 Clark street.

Cincinnati, O., June 13, 8 p. m.—Cincinnati Florists' Society, Jabez Elliott Flower Market.

Cleveland, O., June 8, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit street.

Davenport, Ia., June 11.—Tri-City Florists' Club.

Denver, Colo., June 12, 8 p. m.—Denver Floral Club, 323 Charles Block.

Hartford, Conn., June 12, 8 p. m.—The Connecticut Horticultural Society.

Madison, N. J., June 10, 7:30 p. m.—Morris County Gardeners' and Florists' Society, Masonic Hall.

New Bedford, Mass., June 11.—New Bedford Florists' Club.

New London, Conn., June 10.—New London County Horticultural Society, Elks' Hall.

New York, June 8, 7:30 p. m.—New York Florists' Club, Murray Hill Lyceum, Thirty-fourth street, between Third and Lexington avenue.

New York, June 10, 3:00 p. m.—Horticultural Society of New York, Botanical Garden.

Omaha, Neb., June 11, 8 p. m.—Omaha Florists' Club, City Hall.

St. Louis, Mo., June 11, 2 p. m.—St. Louis Florists' Club, Burlington building, Olive street.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Every paid subscriber to the AMERICAN FLORIST for the year 1908 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—By young man, 22 years of age; some experience in greenhouses; wishes to learn more; in or near Chicago.
Key 558 care American Florist.

Situation Wanted—Honest, reliable young man, age 24 with no bad habits, wants work in country home summer resort or farm; can milk.
Key 547, care American Florist.

Situation Wanted—By all around grower; can grow carnations; commercial or retail place; 31 years old, single; 15 years' experience state wages. Key 553, care American Florist.

Situation Wanted—By young man 19 years old 2 years' experience in growing carnations and bedding plants. Texas or Oklahoma preferred.
CARLISLE GORMAN, 681 N. Broughton St.,
Sherman Texas.

Situation Wanted—By sober industrious young man with five years' experience would like position as carnation grower; references furnished; address A. M. MYHRE,
Drawer O. Hastings, Minn.

Situation Wanted—By all-around greenhouse and storeman; expert grower designer decorator, 18 years' experience; 6 years in last place as foreman. Don't use liquor; west preferred; state wages. Key 544, care American Florist.

Situation Wanted—As landscape gardener or in nursery; 6 years' experience as a florist and gardener; 5 years as landscape gardener; has for the last couple of years, principally, worked in office making plans etc.
Key 555, care American Florist.

Situation Wanted—A young man, age 24, with experience in general greenhouse work; sober and industrious, wishes to get a position in a first class private or retail place; good references; particulars in first letter.
Key 560, care American Florist.

Situation Wanted—As head gardener and florist; German, 30 years of age, single; a good grower of roses, carnations, 'mums and general stock, cut flowers, a good designer and decorator; 15 years' experience in florist trade; good worker and sober; best of references. Address
FRANK H. W., Florist, Box 2018, Ft. Wayne, Ind.

Help Wanted—A man to work in rose sections; state wages without board. Apply
COLE BROS., Peoria, Ill.

Help Wanted—A good rose and carnation grower; married man, small family. Must be total abstainer and quick; steady place. Address
C. H. FREY, Lincoln, Neb.

Help Wanted—A competent florist as partner; good property; fine location; the livest town of 8 000 in the state. Give reference. For particulars Address J. N. MENIFEE, Sapulpa Okla.

Help Wanted—First-class man in retail store. Must be up-to-date in making up and decorating. State reference and salary expected. Permanent position to right party. J. F. WILCOX,
Council Bluffs, Iowa.

Help Wanted—Good grower of general greenhouse stock and bedding out plants; German preferred; apply at once; state wages with board in first letter. Address
Key 541, care American Florist.

Help Wanted—Young man as working foreman to take an interest in an established greenhouse business. Only small capital required. Correspondence invited. Address
Key 530, care American Florist.

Help Wanted—A first-class designer, decorator and storeman; state reference and salary expected; permanent position and chance for advancement to right person; location middle West Address Key 540, care American Florist

Help Wanted—A good honest and reliable working foreman. Must be good grower of carnations, roses, 'mums and general assortment of plants for retail trade. Permanent position, 25,000 feet of glass; reference required; state wages expected. H. W. REIMAN,
1207 S. East St., Indianapolis, Ind.

Partner Wanted—Florist with $5,000 cash, more or less; can become part owner of established modern greenhouse business. Address
G. F. MORRIS, 310 Ashland Block, Chicago.

For Rent—Greenhouses with ground; with or without living rooms; five minutes from car line.
Address L. J. BOELSEN, JR.,
Hoffman Blvd, Elmhurst, L. I. N. Y.

For Rent—Greenhouses, best modern construction, prime condition; stocked with roses, carnations chrysanthemums, etc.; 50,000 feet of glass; location Eastern Pennsylvania; good local trade; easy access to city markets; terms reasonable. Key 551, care American Florist.

For Sale—27 000 feet of glass; filled with first-class stock; located in one of Chicago's suburbs; low price. Address FLORIST,
4016 N. Clark St., Chicago.

For Sale—A bargain for a good florist stand and store opposite Woodland Cemetery; with full line of confectionery; also greenhouses of 10 000 feet of glass; offered after July 1, for $1 500.
HENRY EICHOFF, 6818 Woodland Ave. S. E.,
Cleveland, O.

For Sale—Greenhouses and stock; about 20,000 feet of glass, well stocked with all kinds of bedding plants, ferns, palms and cut flowers; for terms inquire of Mrs Hugo Book, College street, Worcester, Mass., or L. Midgley, Worcester Conservatories, Worcester, Mass.

For Sale—Four greenhouses about 20 000 feet of glass, steam heated, well stocked with carnations, chrysanthemums, violets, etc; 15 acres of land suitable for market gardening; 8 room dwelling house, steam heated; large barn, city water; about 10 miles from Boston; good retail trade now established; for particulars address
G. A. ANDERSON Woburn Mass.

For Sale—I have for sale four hot water heating boilers. Having in use a steam boiler which takes their place. They are numbered and rated as follows: One No.369 Burnham boiler hot water, 3,600 feet 9 sections; one No. 606 Advance, Pierce Butler Pierce boiler, 3 725 ft 8 sections; No. 80 Boynton water boiler 2,000 ft, 12 sections; No, 8 Boynton water boiler 1,500 ft. 10 sections.
HENRY MORRIS, 210 E. Genesee St.,
Syracuse, N. Y.

For Sale—Two Kroeschell hot water boilers, capable of heating 4,000 feet 4 inch pipe, used 5 years, price $175 each. Two hot water boilers, locomotive pattern, capable of heating 5,000 feet 4-inch pipe, used 4 years, price $225 each. 12 000 feet 4-inch cast-iron pipe in good condition; 4 000 feet 5-inch cast iron pipe, all fittings on pipe thrown in at 10c per foot, 80 boxes of 10x12 A, glass $1,20 per box. 1,200 red cedar bars 8 feet long, used 4 years at $5 per hundred.
GEO. REINBERG, 35 Randolph St., Chicago.

For Sale—80-acre farm, on the bank of Fox river, with four greenhouses and stock of plants; 44 miles from Chicago on C., B. & Q. R. R.; near electric line; including cows, horses wagons and farm implements; price $18,000.00; also suitable for country residence. Box 8, Oswego, Ill.

Seedsmen Wanted.

Two bright active young men for seed store. Must be experienced and have clean record. Permanent places and advancement if satisfactory. Address

COUNTER SEEDS, care American Florist.

Seedsman Wanted.

Advertiser wants a good man who is competent to work in the house about four months of the year and travel within the state the remaining eight months. Send full particulars to

Key 557, care American Florist.

WANTED....

At once, a good Rose and Carnation grower as working foreman. Must be sober and honest; capable of handling help. Must be industrious and produce good stock. Plenty of good soil and houses to do it. No others need apply. Wages $80 per month.

Address **Key 559, care American Florist.**

FOR SALE.

Greenhouses. About 30,000 feet of glass in first-class condition. Well stocked, roses. Fine location for retail trade. Handy to Boston market for wholesale. Chance of a lifetime. Reason for selling, all my time is taken up with other business Write for particulars or call and see them.

H. F. CRAWFORD,
Montello Station, Brocton, Mass.

Grower Wanted

A good grower of chrysanthemums and general plant stock. Wages $60.00 per month. References.

Chatogue Greenhouses, Mobile, Ala.

FOR SALE.

50,000 ft. of 4-in. Boiler Tubes, cleaned and trimmed, ready for greenhouse purpose. Have special malleable iron sleeves to fit same. Will sell at a very low price. I also carry a complete line of **Second-hand Pipe.**

Write for my price before you make purchase.

ISIDOR COHEN, 240-250 Madison St., **Milwaukee, Wis.**

THE COLORS OF FLOWERS

Are Best Determined with the Aid of

OUR COLOR CHART

Arranged by F. Schuyler Mathews and lithographed by Prang, this chart is now accepted as the standard in preparing color descriptions by many foreign houses as well as in this country.

PRICE: $1.00, Postpaid.

AMERICAN FLORIST CO., 324 Dearborn St. CHICAGO.

HENRY M. ROBINSON & CO.,

Wholesale Commission Florists.

Hardy Cut Evergreens and Florists' Supplies

BRONZE GALAX, best quality...$8 50 per case, 10,000; **GREEN GALAX**, best quality...$7.50 per case, 10,000.
New Crop **DAGGER AND FANCY FERNS**..... $2.00 per 1,000

Laurel Festooning, Boxwood, Southern Wild Smilax, Sphagnum and Green Moss, Leucothoe Sprays, etc.

15 Province St. and 9 Chapman Place, BOSTON, MASS.

Newport.

SEASON OPENING.

Active preparations are now being made for the opening of the season, and it is hoped that in six or eight weeks the commercial florists will have their hands full attending to the calls from society people. Even now there is much work being done, particularly by those who grow and sell bedding plants. On the large private estates all is bustle and activity. In many cases, the head gardener and his assistants are reinforced by an army of carpenters, painters and decorators, which, in each instance, is taken to mean that the owners will occupy their homes for at least a part of the summer.

NOTES.

Carl Jurgens has a great stock of American Beauty and other roses coming on for summer flowering and is shipping every day a big cut of lily of the valley. The large expanse of glass in this range and the clean and healthy stock, places it among the leading ranges of the country.

At their Washington square store, Gibson Bros. are carrying a particularly fine stock of all seasonable flowers and business is flowing their way. At their greenhouses and the Bliss road nurseries, they are showing good stocks and everybody is busy.

Joseph G. Leikins, of New York, opened his store here on May 25, his being the first of the branch stores to open. Mr. Leikins was here May 29 and held a pleasant reunion with old friends.

Thomas Galvin's place is noteworthy, not only for the fine stocks of decorative and bedding plants to be seen, but also for the neatness and general air of prosperity that prevails.

Wadley & Smythe opened their store June 1, but at their nurseries business has been active ever since it was warm enough to plant.

F. L. Zeigler, who has two stores, one on Bellvue avenue, the other on Broadway, is doing a good business at both places.

NOTES OF THE ESTATES.

E. J. Berwind's place on which Bruce Butterton is head gardener, is constantly having some new feature added. Much of the work is along the formal lines and appeals more strongly to the devotees of that school, but even for those who are more liberal patrons of the natural in landscape art, there is much to be found to arouse admiration. Noteworthy is the division, or border of rhododendrons that completely encircles the place, and the finely laid out lawn with its appropriate groupings of trees and evergreens, monuments to the skill of Mr. Butterton.

In the area of glass and the variety and quantity of stock grown, there are few private places that excel Elbridge T. Geary's, which is managed by Arthur Griffin. Leading features are the fruit and vegetable houses, where grapes, nectarines, melons, etc., are all grown to perfection. There are a number of fig trees, now growing in the open, which are taken up every fall and returned to the greenhouse, and which show no check from the transplantings, being now loaded with fruit.

The work on the grounds of G. G. King, where Andrew Ramsay is head gardener, is a splendid specimen of the natural style. Covering a large city square, the grounds have just enough slope to make fine lawn work effective. The trees of this place, alone, make it noteworthy, there being a number of magnificent specimens of the various beeches.

Much regret is felt among the gardeners and all others interested in horticulture on account of the removal of David McIntosh, gardener for Mrs. C. M. Bell, who has removed with the family he so ably serves, to Tuxedo Park, N. Y. He paid a visit here during the past week and was warmly greeted by old friends.

So far as landscape features are concerned, this city at this season possesses a charm not exceeded at any other time of the year. The many flowering trees and shrubs and the arbors of wistaria contrast finely with the fresh green landscape.

At J. J. Wysong's place on Ochre Point, which is directed by James Kyle, there are many interesting features, not the least being well stocked conservatories.

Southampton, N. Y.

The regular monthly meeting of the Horticultural Society was held May 21, President Clark in the chair. There were several very interesting discussions, the principal one being that on the value of a certain widely advertised fertilizer. It was decided to hold our flower show August 19 and 20, instead of August 12 and 13, as originally agreed upon. The next regular meeting will be held June 4.

U. G. A.

Fancy and Dagger FERNS $1.75 per 1000

Discount on large orders.

New Crop Galax, Bronze or Green, $1.25 per 1000: 10,000, $7.50. **Wild Smilax,** 50-lb. case, $6 00.
Sphagnum Moss, large bales..... $1 25
Leucothoe Sprays.....$1.00 per 100: 1000 7 50
Boxwood.....35c per bunch: 50 lbs.. 7.50

Florists in the Middle and Western States can save money by placing their fern orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,
WHOLESALE COMMISSION FLORISTS,
38-40 Broadway, All Phone Connections. **DETROIT, MICH.**

Special Offer for 10 Days

Nice fancy **FERNS** 85c per 1000. Good **Dagger Ferns** $1.00 per 1000. New crop **Dagger Ferns,** $1.50 per 1000. **Galax,** Green and Bronze $1.00 per 1000; case lots, 10,000, $7.50. 50-lb. cases **Wild Smilax** $6.00. **Leucothoe Sprays,** bronze or green, 40c per 100. **Ground Pine,** 5c per lb. or 5c per yd. **Pine** and **Laurel Wreaths,** for decoration use; Pine, $1.50 per doz., Laurel, $2.50 and $3.00 per doz. Send your order early for your decoration use. **Laurel Festooning,** 4c., 5c. and 6c. per yard; made daily fresh from the woods' **Boxwood,** No. 1 quality $8.00 percase, 50lb. Telegraph Office, New Salem, Mass. L.D. Phone Conn's.

CROWL FERN CO., Millington, Mass.

REMOVED.

From **HINSDALE, MASS.,**
To **6 South St., WESTFIELD, MASS.**

We are now ready to receive orders for new crop of Ferns. Write for prices

JOHN J. ABBOTT, 6 South Street, WESTFIELD, MASS.

George Cotsonas & Co.

Wholesale and Retail Dealers in all kinds of

Evergreens.

Fancy and Dagger Ferns, Bronze and Green Galax,
Phone 1202 Mad. Sq.
Main Store, 50 W. 28th St., NEW YORK.

E. A. BEAVEN

Southern Wild Smilax,
Log Mosses,
Natural and Perpetuated—at Wholesale,
EVERGREEN, ALABAMA.

JOHN P. SCHERER,

Telephone 328 L Union.
636 Gardener St., UNION HILL, N. J.
SMILAX, FERNS, PALM LEAVES
and all kinds of
GREEN GOODS.

THE KERVAN COMPANY,
113 West 28th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe, Ferns, Mosses and all Decorative Evergreens.

Sphagnum Moss and Cedar Poles.

Moss, 5 barrel bale, $1 25; 2 bales, $2.25; 5 bales $5.00; 10 bales, $9.50. **Poles,** 2-in. butt, 8 ft. long, $15.00 per 1000; 2½-in. butt, 10 to 12 ft. long, $22.50 per 1000; 1½-in. butt, 5 to 7 ft. long, $10.00 Cash.
H. R. AKERS, Chatsworth, N. J.

FALL RIVER, MASS.—John Lambert, 72 Jepson street, and his son, William, figured in a runaway accident on Rock street early in the morning of May 23, which resulted in the throwing out of both and the wagon being completely demolished. Mr. Lambert was able to be out again the same day after having necessary medical assistance rendered by Dr. Lowney.

JUNE FLOWERS

Our **Beauties** grown in solid benches are producing the best flowers in this market. The roots do not dry out, but are down in deep soil. The same with our **Miscellaneous Roses,** which, in addition to being planted in solid benches, are all grafted. The flower market is loaded down with quantities of flowers of poor quality. Try our solid bench grown flowers and see the difference.

PRICE LIST.

AM. BEAUTIES.	Per doz.
Extra long	$3 00
20 to 24 inch	2.00
15 to 18 inch	1.50
12 inch	1.00
Shorter stems	$ .50 to .75

KILLARNEY and RICHMOND.	Per 100
Long and select	$10 00
Good average lengths	$7.00 to 8.00
Medium lengths	6.00
Short lengths of Killarney	4.00
Short lengths of Richmond	2.00 to 3.00

KAISERIN, MAID, BRIDE and PERLE.	
Long and select	$8.00
Good average lengths	6 00
Medium lengths	4.00 to 5.00
Short lengths	2.00 to 3.00

CARNATIONS.	Per 100
Pink, White, good to fancy	$2.00 to $3 00
Fancy, long, red O P. Bassett	3 00

FANCY GIGANTEUM LILIES, per doz	$1.00
" " " per 100	$2.00 to 6.00
LILY OF THE VALLEY, per 100	3.00 to 4 00
PEONIES, pink and white, per 100	6.00 to 8 00
ASPARAGUS, per string	.30 to .40
ASPARAGUS SPRAYS, per 100	2 00 to 3.00
SPRENGERI, per 100	1.50 to 2 00
SMILAX, extra fine, per doz	1.50
ADIANTUM, per 100	1.00
GALAX, green and bronze, per 1000	1.25
FERNS, per 1000	2 00

BASSETT & WASHBURN,

GREENHOUSES: HINSDALE, ILL.

Office: 76-78 Wabash Ave., CHICAGO.

St. Louis.

MARKET BETTER.

The past week the glut continued until Friday and then everything changed and stock became scarce and entirely too high; 3 and 4 cents were asked for carnations whose quality did not warrant the price. Many of the retailers complained, not so much about the prices as about the quality of the stock offered, especially when such stock two days before had been sold at $4 and $5 per 1,000. Sunday everything having been cleaned out there was quite a scramble for stock; everything was scarce except long stemmed American Beauty roses, quite a few of which had been left over. It is possible that the market the coming week will become steadier. School closings, June weddings and some few winding up social events of the season will help to keep things moving and the chances are that the low prices of the past two weeks will end and a more healthy tone prevail. With fine and dry weather planting out will be more in order. It is expected that the late rains have about used up the outdoor common roses.

NOTES.

Quite a stir has been created by Park Commissioner Scanlan refusing to allow any public picnics in Forest park. He claims that the litter and rubbish laying around is detrimental to the walks and drives in the park. Only private parties are allowed; the public picnics are transferred to Fallow and Carondelet parks.

A. W. Murray, Eastern avenue, has renovated his store and greenhouse and they have a very nice appearance being well filled with ferns, palms and other flowering plants. Mr. Murray does a great deal of lodge work.

A special essay written by James Gurney, superintendent of Tower Grove park was published Sunday by the Globe Democrat on "Hardy Shrubs That Thrive in St. Louis"—what to plant—how to plant—where to plant, to get the best effect. It was a very instructive essay and covered an entire page of the paper.

We are glad to announce that R. J. Windler, who has been on the sick list the past 10 days and has undergone an operation, was able to be at the store on Decoration day. His sister, Miss Rose Windler, has carefully taken charge at the store during her brother's absence.

J. W. Dunford was in the market Sunday. He said his retail establishment did a large business Memorial day. He is at present cutting 4,000 carnations daily at his greenhouses at Lackland.

Eggeling Floral Co. expects to add this summer to its greenhouses at Kinlock, where the firm intends growing carnations and roses for its own use and surplus will go to our wholesale market.

Planting out in all the parks is now going on and everything is looking splendid. George Ostertag, our superintendent, is going the rounds daily.

W. F.

Kansas City.

MEMORIAL DAY TRADE GOOD.

As usual, Memorial day came with a rush for the florist, and after taking consensus of opinion a heavy increase is noted in almost every establishment. It was thought beforehand that peonies would be scarce but later in the week the supply increased perceptibly and every one had enough to fill orders. A couple of weeks of dismal weather put the cut flower market in a pretty bad condition. Carnations suffered more than anything else, the supply being considerably short and the flowers most unsatisfactory. Roses were small and knotty and of poor color. Greenhouse men are not very happy at the set back the weather has given them and most of them will be busy several weeks with the spring planting.

Shippers experienced no little amount of trouble last week in getting out goods to points in Oklahoma and southern Texas. Some of the express companies refused shipments altogether while others accepted at owner's risk. Occurring at this time the loss to some will be considerable. Several Chicago shipments enroute to the flood bound district were turned back and found their way in to this market. The effect of the continuous rains of the last few weeks is severely felt at present and the usual supply of material for the Memorial day trade was greatly lessened. The atmospheric conditions, could not have been worse with two or three cold damp days and following a spell of summer-like weather.

NOTES.

The Geo. M. Kellogg store presented a busy appearance on Decoration day. This firm handled an immense quantity of peonies and other stock in spite of the bad weather and the difficulty in making some of the southern shipments. It is reported that Mr. Kellogg is slowly improving which is indeed consolation to the trade.

The Wm. L. Rock Flower Co. handled a large quantity of peonies this season The stock was particularly good, maturing just in time for the heavy demand which allowed the blooms to develop naturally into full size.

Did not the failure of one of our craft, to place himself in the recent municipal government game, come as a disappointment to some of the shopkeepers who favor keeping the lid off all day on the Sabbath?

One of the heavy buyers in the market this year was Mrs. Moseley of Kansas City, Kans. Mrs. Moseley deserves the credit of making the business what it is across the line.

J. E. Rodman was in the city last week looking out for Memorial day stock.

K. C.

"THE BUSIEST HOUSE IN CHICAGO."

FANCY PEONIES

Festiva Maxima, $8.00 per hundred

And all other varieties at market rates.

J. B. DEAMUD CO.

51 Wabash Ave., CHICAGO.

Chicago.

MEMORIAL DAY TRADE SATISFACTORY.

While prices were comparatively low for Memorial day this year, still the results were good and most wholesalers declare themselves satisfied. This may have been partly because of disappointment of large hopes for Easter and a consequent resignation to any fate for this holiday. The best grades of stock were rather hard to obtain and prices held firm, but the market was very badly overloaded with inferior material which was hard to move at any price. Carnations sold from $3 to $5 per 100 for stock that would carry well in shipment, red going the best, because hardest to get. Good Lawson was also a good seller. In the white varieties buyers were extremely discriminating, there being an abundance of stock such as it was. Roses held about as firmly for the best grades, but here, too, there was too much that was inferior. Bride and Bridesmaid were far from being in their usual form and other teas were also soft. Killarney, on the other hand, was of excellent quality as were also Richmond and the so-called summer roses, such as Kaiserin, Carnot, etc. Orchids of the paler shades were in demand for June weddings, lælias and Cattleya Mendelii being the best sellers. There has been a good demand for smilax with a good supply on hand.

PEONIES FOR MEMORIAL DAY.

Contrary to all expectations there was a very great abundance of peonies for Memorial day trade. It was predicted by leading wholesalers here that there would be plenty of peonies after Decoration day, but the soft, hot and showery weather brought every sort of vegetation along faster than usual, and seldom have peonies been known to spring into flower all at the same time over large sections of the country so fast. Beginning on Tuesday or Wednesday of last week fairly large shipments began to pour into this market and they increased until by Saturday all hope was given up of ever moving a large proportion of them at any price. Picking buds that were either underripe or overripe was a large part of the trouble, and poor packing added its woes. One large grower who ought to have known better shipped in bunches containing fully blown flowers and buds so tight they never could open. On the other hand some excellent Festiva Maxima peonies that were picked right and packed right were held by the wholesaler at as much as $1 per dozen. Officinalis Rubra and Officinalis Rosea were two locally grown varieties that give good satisfaction. Early Rose from Elmhurst and Late Rose from Bloomington were seen side by side on one counter. Pachallis, more commonly known as Drop White or the Passover peony is an excellent commercial variety. Whitleyi is one of the best whites known, being liked by the trade for its excellent keeping qualities. Humei and Pottsii were also seen in abundance, but are poor from the commercial florist's standpoint, although they are fine garden varieties. Southern peonies are done for, but numerous growers in this state and Indiana are heavy shippers. The Grove, Major Kennicott's famous peony farm, and Arlington Heights produce the best home grown flowers and Elmhurst is hardly farther away. Bloomington, Mattoon, Willow Ridge, Effingham and Alton, all in this state, and not far from the center of distribution, are big producers. Sarcoxie, Mo., and numerous points in Indiana, including Richmond, New Castle, and other localities, also ship to this market. Carbondale, in this state, sent a product so well grown and so carefully packed that the entire lot, unusually early, went into cold storage for Memorial day.

NOTES.

E. E. Pieser, of the Kennicott Bros. Co., says that in his estimation the local wholesale market sold 33 1/3 per cent more stock for Decoration day this year than last year but that the money receipts were fully 17 per cent less. Several other leading wholesalers corroborated this view. Retailers wanted the stock but did not want to pay the price. Festiva Maxina peonies here are an excellent item.

Scheiden & Schoos in their carnation planting are adding several of the newer popular sorts, such as Aristocrat, Beacon, Victory and White Perfection. They will also plant in benches about 10,000 of their own new red seedling.

Some fine sweet peas are a feature at J. A. Budlong's this season. This is the first year this establishment has grown its own, planting between the carnations in several benches.

Bassett & Washburn report having had a very heavy shipping trade for Memorial day, the Thursday previous to that holiday being one of the banner days of the season.

Herman Goetz, shipping clerk in the A. L. Randall Co.'s supply department, left last Thursday for a visit to his home in Germany.

Sinner Bros. had some of the best Lawson carnations seen on the market last week.

Wietor Bros. had a very heavy call for their Richmond roses for Memorial day.

(CONTINUED ON PAGE 992.)

Kennicott Brothers Company,

WHOLESALE

CUT FLOWERS.

48-50 Wabash Ave.,

CHICAGO.

Peonies

Now

Price

3 to 6 Cents.

We will have anything in the line of

Cut Flowers and Greens

that you may want if anybody has at Chicago market prices on day of shipment.

KENNICOTT BROS. CO.

L. D. PHONE, CENTRAL 466.

48-50 Wabash Ave., CHICAGO.

E. F. WINTERSON CO.

45-47-49 Wabash Ave., Chicago

Wholesale Cut Flowers and Florists' Supplies.

FOR JUNE WEDDINGS you will need **Fancy Sweet Peas, Long Stem Valley, etc.** We can supply same on short notice; also a full line of all seasonable **Cut Flowers,** including **Long Stem Peonies.** We can supply fine stock in quantiy.

We also have plenty of Fancy Baskets, Chiffons, Ribbons, etc, suitable for weddings.

HEADQUARTERS FOR GOOD WIRE WORK.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of CUT FLOWERS

WEILAND & RISCH

Wholesale Growers and Shippers of

CUT FLOWERS

59 Wabash Ave., CHICAGO.

'Phone Central 879.

Write for our wholesale price list.

WHOLESALE FLORISTS

For Weddings and Commencements

CUT FLOWERS AND SUPPLIES.

We are Headquarters.

E. H. HUNT

SEND FOR PRICE LIST.

76 Wabash Avenue, CHICAGO.

E. C. AMLING

THE LARGEST, BEST EQUIPPED, MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.

32, 34, 36 Randolph Street, CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO June 3.

Rose, Beauty, extra fancy		4 00
" " 24 to 30-in. stems		3 00
" " 12 to 20-in. stems.	1 50@	2 00
" " Short stems		1 00
" Killarney	6 00@	12 00
" Bride, Maid, Ivory Gate	4 00@	6 00
" Liberty, Richmond	4 00@	8 00
" Chatenay, Perle	4 00@	6 00
Carnations	1 50@	3 00
Lilium Harrisii, per doz.,	1 00@	1 25
Callas, per doz.,	1 00@	1 25
Lily of the valley	2 00@	4 00
Gladiolus, per doz.,	1 50@	2 00
Peonies, per doz.,	40@	75
Snapdragon, per doz.,	50@	75
Sweet Peas	50@	2 00
Pansies	75@	1 50
Iris, blue		5 00
" white & yellow		3 00
Narcissus, poeticus, double		2 00
Cornflowers	60@	75
Daisies, white	75@	1 00
" yellow	1 00@	2 00
Smilax, per doz		2 00
Asp. Plu. & Sprengeri, bunch		50
Asparagus strings, each		50
Adiantum, per 100	75@	1 00
Leucothoe sprays	60@	75
Ferns, per 1000		2 50
Galax, green, per 1000		1 00
" bronze, per 1000		1 00
Boxwood, per bunch		35

HOOPESTON, ILL.—Peterson & Lawrence have let the contract for the erection of a big greenhouse on the place recently purchased of Dalone Prutsman on south Second avenue. The building will be 75x250 feet, and except the glass roof, will be built of cement blocks. The business is growing so rapidly that the present facilities are inadequate.

Chas. W. McKellar

51 Wabash Ave. CHICAGO.

ORCHIDS

A Specialty

Fancy Stock in **VIOLETS VALLEY, ROSES, BEAUTIES, CARNATIONS** and a full line of all **Cut-Flowers, Greens, Wire-Work** and **FLORISTS' SUPPLIES.**

Send for Complete Catalogue.

Poehlmann Bros. Co.

Wholesale Growers of and Dealers in Cut Flowers

All telegraph and telephone orders given prompt attention.

Greenhouses: MORTON GROVE ILL.

35-37 Randolph St. CHICAGO.

WIETOR BROS.

Wholesale Growers of Cut Flowers

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO

Telephone, Central 3234.

Vaughan & Sperry,

Wholesale Florists,

56 and 80 Wabash Ave., CHICAGO.

WRITE FOR SPECIAL PRICES.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

PRICE LIST.

RED

American Beauty, long stems,.... $ 4.00 per doz.
30-inch stems..... 3.00 per doz.
24-inch stems. ..... 2.50 per doz.
20-inch stems..... 2.00 per doz.
15-inch stems..... 1.50 per doz.
12-inch stems..... 1.25 per doz.
Short stems. ..... 75c to 1.00 per doz.
Richmond, Liberty..... $4.00 to $ 8.00 per 100

WHITE

Bride, Ivory ..... $4.00 to $ 6.00 per 100

YELLOW

Perle..... ....$4.00 to $ 6.00 per 100

LIGHT PINK

Uncle John, Golden Gate... $4.00 to $ 6.00 per 100

PINK

Chatenay,..... $4.00 to $ 8.00 per 100
Bridesmaid ... . $4.00 to $ 6.00 per 100
Mrs. Marshall Field, Killarney, ... $6.00 to $10.00 per 100

COPPER COLOR

Sunrise.....$4.00 to $ 6.00 per 100

Roses, our selection, $3.00 per 100.

Carnations,..... $ 1.50 to $ 2.00 per 100
Easter Lilies,..... 8.00 to 12.00 per 100
Callas..... $ 8.00 to $12.00 per 100
Valley, fancy..... 3.00 to 4.00 per 100

Extra fancy Asparagus Plumosus. 50c to 75c per bunch.

PETER REINBERG, 51 Wabash Ave., Chicago.

Chicago Notes.

SCHOOL CHILDREN BUY FLOWERS.

The most picturesque, though probably not the most profitable feature of the Memorial day retail demand was that from school children whose teachers had asked every pupil to bring on the day previous a floral tribute to the nation's fallen heroes. At Martin Solms, 391 W. Madison street, four youngsters appeared. The young lady clerk deftly made up bunches of flowers designed to attract the juvenile eye and meet as well the limited means of childish pocketbooks. When at last she produced a combination of white carnations, pink roses, and a brilliant red peony, tied together with a fern or two, a conference was in order and a purse amounting to a whole quarter of a dollar made up and the bargain was made. A baby girl of six summers, lisping her letters in the kindergarten class, walked into the store of the Ogden Floral Co., asked the price of a dozen carnations and wanted to know if they could be kept for her until half past 12. D. F. Simonds set the flowers aside, and the little girl would have had hers without money and without price had there not been a thousand children from the school just around the corner waiting to rush upon the philanthropic florist. Mr. Simonds says his business increases about one-third each Memorial day.

E. H. Hunt has secured a spray pump, known as "Success," which is operated on a new principle. A few of the pumps have been distributed among three large growers, including Bassett & Washburn of this city. All report it, in fact as in name, a success.

John Felke and wife, of Wilmette, Mrs. Anton Then's parents, celebrated their golden wedding May 26. Mrs. Felke has long been known as "Flower Mary," and has had a stand at the Northwestern depot in this city for the past 30 years.

Frank Lichtenberg, manager of J. W. Wolfskill's retail store, Los Angeles, Calif., passed through the city this week and inspected the principal wholesale and retail stores. Mr. Lichtenberg has been on a tour of the principal eastern cities and is returning by way of Denver, Colo. His firm intends erecting more glass the coming season.

Mrs. P. S. Peterson entertained the forestry class of the Chicago Woman's Club at Peterson's Nursery June 3. The peony fields were the special attraction. Cape jasmine for Memorial day was poor, most of it having been discolored by the heat.

Florists in the neighborhood of the Union Stock Yards complain of thousands of employes being out of work and other thousands being employed only part time.

John H. Miller, 3401 Lincoln street, cut 85,000 carnations last week, the majority of the cut being consigned to E. C. Amling.

A good crop of Mrs. Marshall Field roses of excellent quality was the good fortune of Peter Reinberg for Decoration day.

A. Lange is to move into more commodious quarters at 42 Madison street, one door west of his present location, July 1.

Floral matinees are being given Wednesdays at Powers' theater, sweet peas being the souvenirs this week.

A. W. Meyer, of the Flower Growers' Market had the first outdoor asters of the season Monday.

B. S. Norkowski, 583 Milwaukee avenue, has opened a branch store at 4846 S. Ashland avenue.

The J. B. Deamud Co. is receiving some of the finest peonies seen in this market.

E. B. Washburn spent Decoration day with his father, C. L. Washburn.

The E. F. Winterson Co. reports that the plant trade continues good.

Geo. Reinberg has been cutting some very fine Easter lilies.

Weiland & Risch are in heavy crop with Killarney roses.

Visitors: Wm. Bentzen, the St. Louis wholesale specialist in Christmas green; Harry Balsley, Detroit, Mich; W. H. Troyer, Elkhart, Ind.; W. H. Drake, Kenosha, Wis.; Button, of Button Bros., Lake Geneva, Wis.; F. H. Smith, of Smith & Fetters, Cleveland, O.; Frank Lichtenberg, Mgr. J. W. Wolfskill, Los Angeles, Calif.

Impatiens Oppositifolia.

Seeds of this pretty annual balsam were received at Kew early in 1906 from W. A. Talbot of Matabeleshwar, India, under the name of Impatiens Dalzelli, according to a Gardeners' Magazine correspondent. These germinated freely and the plants were grown in a warm greenhouse under which treatment they flowered profusely during September and October. Specimens were then sent to Sir Joseph Hooker, the acknowledged authority on the genus, who determined it to be I. oppositifolia, a plant known to botanists for many years but not previously in cultivation in England.

The species is of very easy culture and readily forms a large spreading bush, followed by quantities of flowers in late autumn, which are in turn succeeded by abundance of seeds. The plant illustrated was eight months old from seed sowing, and at the time the photograph was taken was carrying many hundreds of flowers. The flowers are one inch in diameter, vary in color considerably in the different seedlings, from pink to rosy-red or rosy-purple, and are borne in clusters in the axils of all the upper leaves. The leaves are opposite and decussate, three to five inches long, lanceolate or elliptic-lanceolate, and of a rich dark green color. Impatiens oppositifolia is a common plant throughout the island of Ceylon, from the sea level to 7,000 feet altitude, and also on the mountains of Malabar, Canara, and the Concan, at altitudes of 3,000 to 5,000 feet.

We Solicit Your Cut Flower Orders

Because we have the stock and feel confident we can please you.
We handle everything in the line of Cut Flowers and Greens. Try us.

HOLTON & HUNKEL CO.

462 Milwaukee Street, MILWAUKEE, WIS.

A Full Line of Florists' Supplies.

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations and all kinds of Seasonable Flowers in stock.

WM. F. KASTING CO. Wholesale Commission Florists.

BUFFALO, N. Y.

Florists' Supplies and Wire Designs.

—THE—

J. M. McCullough's Sons Co.

Wholesale Commission Florists.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Minneapolis.

TRADE DISAPPOINTING.

Decoration day week was a disappointment this year. So much depended on the weather and with the exception of the first two days the week was a steady, cold downpour of rain. Of course, this cut the plant sales in about half, as very few braved the prospects of frost to give their orders for grave decoration. All hopes centered on cut flower sales on Decoration day and when the day arrived with a drizzly rain, groans of discouragement were heard all over. It seemed there never was such a good display of plants in full bloom as was shown this year. Cut flowers were more or less scarce. Roses, carnations and gladioli were about the only stock. The day after Decoration day, which otherwise would have redeemed the day before, was broken into by the laying of the corner stone of the Catholic pro-cathedral and everyone flocked to the parade.

NOTES.

The Minneapolis Floral Co. has something good in the way of tubs of Baby Rambler roses with English ivy forming a handle. Large tubs of hydrangeas are also shown here for lawn decoration.

Wholesale Flower Markets

BUFFALO, June 3.

Roses, American Beauty	3 00@25 00
" Bride, Bridesmaid, Meteor	3 00@ 8 00
Carnations	1 50@ 2 50
Lily of the valley	2 00@ 4 00
Smilax	15 00
Adiantum	50@ 1 50
Lilies	12 00@15 00
Galax, per 1000	$1 50
Ferns, per 1000	2 00
Mignonette	1 00@ 2 00
Daisies	1 00@ 2 00
Sweet peas	40@ 75
Tulips	1 00@ 2 00
Daffodils	1 00@ 2 00
Asparagus Sprengeri, per bunch	25 50
Asparagus plumosus, per bunch	25@ 50
Lily of the valley (out door)	50@ 1 00
Peonies	3 00@ 5 00

CINCINNATI, June 3.

Roses, Beauty	$1 00@$ 4 00
" Bride, Bridesmaid	3 00@ 6 00
" Richmond	3 00@ 6 00
" Golden Gate	3 00@ 6 00
" Ivory	3 00@ 6 00
Carnations	1 00@ 3 00
Lily of the valley	2 00@ 3 00
Daisies	50
Callas	10 00
Harrisii	12 50
Smilax	12 50@15 00
Asparagus plumosus and Sprengeri in bunches, per bunch, 25c	
Eastern Ferns, per 1000	$2 00
Galax, Green and Bronze	$1 00
Iris	2 00
Peonies	4 00
Sweet Peas	50

ST. LOUIS, June 3.

Roses, Beauty, long stems	2 50@ 3 00
" " medium stems	1 50@ 2 50
" " short stems	4 00@10 00
" Bride	2 00@ 5 00
" Bridesmaid	2 00@ 5 00
" Chatenay, Richmond	2 00@ 5 00
" Killarney	2 00@ 5 00
Carnations, common	1 50@ 2 00
" best	2 50@ 3 00
Smilax	12 50
Asparagus Sprengeri	1 00@ 2 00
" cut sprays	1 00@ 2 00
Ferns, fancy, per 1000	$2 25
Lily of the valley	3 00
Sweet peas	20@ 50

MILWAUKEE, June 3.

Roses, Beauty	75@ 3 00
" Liberty, Chatenay	3 00@ 6 00
" Bride, Bridesmaid	3 00@ 6 00
" Meteor, Golden Gate	3 00@ 6 00
" Perle	4 00@ 6 00
Carnations	1 00@ 3 00
Smilax, $2 00 per doz.	
Asparagus, sprays	3 00
" Sprengeri	2 00@ 3 00
Lily of the valley	3 00
Adiantum	1 50
Common ferns, $3 00 per 1000	
Harrisii lilies $8 00@10 00 per 100	
Tulips	2 00
Daffodils	2 00
Sweet peas	50@ 1 00

Miss Whitted had one of the largest dinner decorations of the season at a local club. Two rooms were decorated entirely with greens and myriads of tiny electric lights. Roses and gladioli were used in profusion.

Lakewood Cemetery Greenhouse had good cut flower business all day on Decoration day despite the bad weather.

M.

Our New Quarters

GIVE US A TRIAL

Buffalo Cut Flower Co.

495 Washington St.,

BUFFALO, N. Y.

We handle **carnations, roses** and all other kinds of **seasonable flowers** at all times also **wire designs** and **florists' supplies.**

100 **Rubber Plants,** in 5-in. pots, 75c each.
100 " in 6-in. pots, $1 each.

Long Distance Phone

Frontier 3607 Bell, Seneca 3762

RICE BROTHERS

Wholesale Florists and Supplies,

115 N. 6th St., MINNEAPOLIS, MINN.

CUT FLOWERS received twice daily. Can fill your orders to your satisfaction. Also headquarters for **Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns.** Prices quoted on large quantities.

C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs

Weiland & Olinger,

128 E. Third St., CINCINNATI, OHIO.

Wholesale Growers and Shippers of Cut Flowers.

Greenhouses, NEW CASTLE, IND.

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WHOLESALE FLORISTS.

Bell, Main 2018. Kinloch, Cent. 410.

1316 PINE St., ST. LOUIS, MO.

H. G. BERNING,

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

NEW ORLEANS, LA.—At a meeting of the Horticultural Society May 21 it was decided to hold a chrysanthemum and flower show November 12-15. More than $500 will be awarded as prizes on this occasion.

New York.

MEMORIAL DAY DISAPPOINTING.

Memorial day business was rather disappointing, due largely to rain and generally disagreeable weather which prevented thousands of persons from visiting the cemeteries. There was a parade of veterans and memorial services at Grant's tomb where Secretary Taft was the principal speaker, but everything was marred by the rain. Noteworthy, on the vault of the general's tomb was a great bunch of red and white roses, from the Camp of Confederate Veterans, inscribed: "In tender memory from the conquered to the conqueror, than whom none ever met braver or more worthy foe." There were many other flowers left at the tomb. Though in the aggregate a great amount of stock was used up no scarcity was created, there not being even a good clean up. A great amount of stock keeps pouring in and it is now, and will continue to be hard work to keep it moving.

June 1.—The condition of the market has not improved, if quality is considered it is much worse. Between red spider and mildew the condition of many roses arriving is very bad. This applies to all varieties. Richmond is practically going begging, to the peddlers. Lilies and lily of the valley are about the only stocks that show any firmness.

FLORISTS' CLUB LADIES' NIGHT.

Ladies' night was observed by the Florists' Club on the evening of May 27, at its rooms in the Grand Opera House building. The weather was exceedingly warm but despite that fact there was a large attendance. President Weathered on behalf of the club, in a few well chosen words, welcomed the ladies assembled. He then gave way to chairman Wm. C. Rickards of the house committee. The first number on the programme was a soprano solo by Miss Harriet Brown and the hearty encore was good evidence of the appreciation of the audience. Next came a tenor solo by Ray Mullen, who was also recalled with much applause. The third number was a fancy dance by Baby Laning. This dainty little miss of seven gave an exceedingly pretty exhibition of dancing. Master Robert Young followed with an imitation of Harry Lauder, which was heartily received, the young man answering his encore with a Scotch song. Little Baby Laning again appeared in what proved to be the hit of the evening. Dressed in Old Glory, she gave the flag dance in a style which might well be envied by many an older aspirant for dancing honors. When the pianist struck the notes of "Dixie" and Baby Laning threw the folds of her flag high in the air, the audience went wild with enthusiasm. The sixth number was a violin solo, finely executed by Mr. Kreshover. William Cameron and his Scottish dancers, Master Robert Young, Misses Flora Cameron, Jennie Birnie and Maggie Sorlie favored with the Scotch reel and Shan Trebus. The music of the bag pipes and the dancing of the little troupe met with high approval.

At this point chairman Rickards announced refreshments and all retired to the dining hall where there was an abundant spread of good things. The second part of the programme opened with a solo by Mr. Mullen, followed by a soprano solo by Baby Eleanor. Miss Brown and Mr. Child gave a duet. Another imitation of Harry Lauder by Master Young and a dance by the Scottish troupe closed the evening's entertainment. It was the unanimous opinion that Chairman Rickards and his committee, Frank M. Duggan, Joe Fenrich and Joe Manda, had made good.

NOTES.

In these days when many society folk prefer to spend their money in Europe, it is pleasing to note that one woman, whom the newspapers have heretofore delighted to call stingy, is doing something to help the hard-working florists. On the night of May 26, Mrs. Hetty Green gave a dinner at the Hotel Plaza. It is said to be the first social event of the kind ever given by Mrs. Green. The tables were decorated with red carnations and appropriate green. In referring to the decoration Mrs. Green said: "The carnation is a simple flower but beautiful. You remember that it was the flower of McKinley." Mrs. Green is as well informed on horticultural as on all other matters. Her son, Col. Green, a wealthy railroad man who makes his home in Texas, is deeply interested in the business and his portly form is frequently seen at the conventions.

Geo. Saltford is now snugly located in the store at 43 West Twenty-eighth street, formerly occupied by A. J. Guttman. As a florist of lifelong experience in all branches of the trade and as a genial, courteous gentleman, Mr. Saltford should, and doubtless will, be welcomed by the fraternity. His advent, practically brings into Twenty-eighth street every man engaged exclusively in the cut flower commission business, excepting the tenants of the Coogan building.

Louis F. Rossow, formerly manager of Fleischman's Hoffman House store is now with Alfred Van Praeg in his new store, 4 West Fortieth street. The Fleischman store at Forty-third street and Fifth avenue has been closed.

M. Schling, who has a retail store in the Central Market, 1002 Sixth avenue, is handling a great stock of bay and box trees and bedding plants.

Siebrecht & Son will not open a branch store at Newport this season, as they do not consider the prospects warrant such a step.

FREDERICTON, N. B.—John Bebbington & Son write: "Trade has been good for the last month or so past; funeral work, government dinners and receptions at Queens hotel, the governor's headquarters during the session, has kept us hustling. We have also many lawns to grade. The crops are looking all right; owing to favorable weather much better than at this time last year. Tulips are a blaze of bloom just now; the grass is well advanced and we hope this season will be favorable for crops.

JUNE WEDDINGS
and School Closing Exercises.

WE OFFER SOME VERY CHOICE STOCK.

PEONIES.

We have them in white and pink, the quality of them being unexcelled. They come from the famous **Peterson Peony Farm,** which has the reputation of growing the finest collection of Peonies in the United States.

SWEET PEAS

with us are certainly fine. We have them in the light pink or Enchantress shade, lavender, red, white, and navy blue, an unexcelled violet shade.

AMERICAN BEAUTIES.

These are grown specially for summer use, and are as fine summer Beauties as can be found on this market.

Also a good quality of **Maid, Bride** and **Richmond Roses.**

We also offer **CARNATIONS**

of the choicest varieties, the quality of which is unsurpassed on this market.

We can supply you with fine

Valley, Smilax, Asparagus, Adiantum

and all other stock in season.

Send in your orders and secure the BEST THE MARKET AFFORDS.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of CUT FLOWERS

Traendly & Schenck,

WHOLESALE FLORISTS,

44 West 28th Street, Phones, 798 and 799. New York City.

Alexander J. Guttman,

THE WHOLESALE FLORIST OF NEW YORK

43 WEST 28th STREET

PHONES, 1664-1665 MADISON SQUARE

ENOUGH SAID

J. K. ALLEN, Wholesale Commission Florist.

Consignments Solicited.

Open every day at 6:00 a. m. Telephone, 167 Madison Square.

106 W. 28th Street, NEW YORK CITY.

— FLOWERS SHIPPED BY—

JOHN I. RAYNOR

Are the best product of the best growers for the New York Market.

Adiantum Croweanum sold here exclusively.

49 W. 28th St., NEW YORK.

Telephone 1998 Madison Square.

ALFRED H. LANGJAHR

WHOLESALE FLORIST,

55 W 28th Street, NEW YORK.

All flowers in season. Consignments of first-class stock solicited.

Telephones, 4626 and 4627 Madison Sq.

FORD BROS.,

Receivers and Shippers of

Fresh Flowers

48 West 28th St, NEW YORK.

Telephone 3870-3871 Madison Square.

West Collingswood, N. J.

For three days the women here have waged a successful war on a construction gang of the Bell Telephone Co., which has been unsuccessfully endeavoring to plant a line of unsightly poles in front of the most attractive residences.

After one or two had been erected the workmen attacked the property of John Peterson. Mrs. Peterson waited till the workmen had finished digging the first hole. Then she took a rubber plant from her house and calmly deposited it in the hole. A second hole was dug. Mrs. Peterson placed a big fern in it. When a third hole was started Mrs. Peterson called to her neighbors. A lawn bench was placed over the hole and several of the neighbors' wives seated themselves upon it.

To prevent further operations by the workmen Mrs. Peterson then proceeded to dig a trench the entire length of her property, planting a line of calla and dahlia bulbs. The workmen started to dig holes just in front of her new bed of bulbs. But as fast as the workmen dug the women shovelled the earth back into the holes. After similar encounters at three or four more properties, in each of which the women were successful, a truce was called and the workmen went away, taking their tools with them. The men of the town are on guard and they promise to call out the volunteer fire department if the telephone men return.

LEXINGTON, KY.—Honaker, "The Florist," has let contracts for the erection of another large greenhouse 30x150 feet which when completed will be devoted entirely to roses, special attention being given to the culture and care of new varieties.

Tel. 1009 Madison Sq. Established 1872

PERKINS & NELSON,

Wholesale Florists,

57 West 26th Street, Cor. 6th Avenue NEW YORK.

Wholesale Flower Markets

NEW YORK June 3.

Roses, Beauty, special	8 00@10 00
" " fancy	5 00@ 6 00
" " Nos. 1 2 and 3	50@ 4 00
" Richmond	1 00@ 3 00
" Bride, Bridesmaid, Killarney	
Extra and Special	2 00@ 3 00
No. 1	1 00
No. 2	50
Carnations, fancy	1 50@ 2 00
" common	50@ 75
Lilies	1 00@ 5 00
Lily of the valley	1 00@ 3 00
Asparagus plumosus strings	25 00@40 00
" per doz. bunches	2 00@ 3 00
Smilax	8 00@10 00
Cattleyas	50 00@60 00
Gardenias	1 00@ 5 00
Callas, per dozen	30@ 60
Mignonette	1 00@ 2 00
Sweet peas, per dozen bunches	35@ 75
Snapdragon	75@ 1 00
Stocks	50@ 75
Iris, English	1 00@ 2 00
" German	50@ 75
Lilac, per bunch	10@ 25
Peonies	2 00@ 6 00

J. Seligman. Joseph J. Levy.

John Seligman & Co.

WHOLESALE FLORISTS,

56 West 26th Street, NEW YORK.

Opposite N. Y. Cut Flower Co.

Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best Prices. Satisfaction guaranteed. Tel. 4878 Madison.

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51 West 28th St., NEW YORK CITY

Long Distance Telephone, 4463-4 Madison Sq.

Cleary's Horticultural Co.

62 Vesey St., NEW YORK.

HORTICULTURAL PRODUCTS

WHOLESALE ..AUCTION

Consignments, Quotations and Correspondence Solicited.

Sales every Tuesday and Friday.

A. L. YOUNG & CO. Wholesale Florists

54 W. 28th St., NEW YORK. Consignments of Choice Cut Flowers Solicited. Prompt payments. Give us a trial. Telephone 3559 Madison Square.

Moore, Hentz & Nash,

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Telephone No. 756 Madison Square. NEW YORK.

HORACE E. FROMENT

WHOLESALE CONMISSION.

American Beauty Roses a Specialty. Roses, Violets, Carnations, Valley, Lilies, Etc.

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Telephones: 2200 and 2201 Madison Square.

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WHOLESALE FLORIST,

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39 West 28th St., NEW YORK

Young & Nugent,

Telephone, 2065-2066 Madison Sq.

42 West 28th St., New York

To out-of-town Florists: We are in the Heart of

And give Special attention to Steamer and Theater orders. Prompt deliveries and best stock in the market.

N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York.

Open for Cut Flower Sales at 6 o'clock Every Morning.

Desirable Wall Space to Rent for Advertising.

V. S. DORVAL. Secretary.

Samuel A. Woodrow

WHOLESALE

PLANTSMAN AND FLORIST,

53 W. 30th St., NEW YORK.

Out of Town Orders a Specialty.

Telephone 2083 Madison. Consignments solicited

FINEST PEONIES, VALLEY, ROSES

and all other seasonable Cut Flowers and Greens for your special WEDDING AND COMMENCEMENT ORDERS. We are prepared to fill all orders.

In the Supply Dept.: CHIFFONS and RIBBONS to harmonize with all flowers. Large assortment of Fancy and Novelty BASKETS. Send us an order for WIRE WORK.

A. L. RANDALL CO., Wholesale Florists,

L. D. Phone Central 1496. Private Exchange all Departments

19-21 Randolph Street, CHICAGO.

Philadelphia.

IMMENSE STOCKS OF PEONIES.

Last week was peony week and no mistake. The very warm weather brought the crop in all at once and the wholesale men had their hands full handling the immense stock. The out-of-town demand took the bulk of the flowers, all hands in the various houses hustling far into the night on Wednesday and Thursday, piling wagon loads of boxes into the express cars until late Friday. At least 50 per cent was added to the express rates on account of the extra ice necessary for the extremely hot weather, which was unusual for the time of the year. Under these conditions the stock was very soft; much of it was unfit for shipping when received, carnations particularly being in bad shape. It was also difficult to get good sweet peas. Peonies, as a rule, were fine but in many cases were received very open. Prices ranged from $3 to $6 and a few fancy at $8 per 100. Carnations ranged from $2 to $4 with a few extra fine a trifle higher. American Beauty rose was high at $2.50, $2 being the moving price for the specials. Sweet peas were high at 75 cents per 100, the bulk bringing 50 to 60 cents. Lily of the valley was plentiful at $3 to $4. All the commission men say they had all they could do, usually winding up with, "if it had not been so hot we would have done much better." It cooled off considerably on Friday but Saturday spoiled the great round-up day of the cemetery florists, as it rained incessantly from early morning until late in the afternoon; just poured, with no let up and drowned many a hundred dollar opportunity. The first week in June promises very well, there being numerous weddings and school commencements for which orders for quantities of flowers are booked. The inside stock is all fast deteriorating, there being a great falling off in quality in the past week. American Beauty rose is commencing to frill badly and the tea roses are either tight buds or wide open flowers. Eastern rose stock will no doubt have an inning for the next few weeks the late spring and early summer cutting from the cooler houses of northern New York and the New England states being much better than that furnished by the local growers.

FLORISTS' CLUB MEETING.

The combined meeting and smoker of the club, June 2, was a success in every way with possibly one exception, which was that just when the discussion of Arthur Niessen's paper had got to an interesting point President Harmon closed the business meeting and the entertainment committee took charge. The paper by Arthur Niessen on "Co-operation Between Wholesaler and Retailer in Times of Overproduction," was an able effort presenting the question fairly and pointing out how it might be possible to relieve the market during the seasons of trial. The smoker was very enjoyable there being songs, recitations and dancing. Joseph Lynch, of West Grove, sang "The Palms" in his usual good style, also made an address on temperance. Master of Ceremonies John Dunn kept the ball rolling and the fun fast and furious. Chairman Grakelow, of the committee, saw that a bounteous lunch was provided and taken altogether it was a great night for the club.

K.

Boston.

GOOD MEMORIAL DAY TRADE.

Now that Memorial day has passed and with it the most tiresome week of the year everybody is relieved and an evident air of satisfaction pervades the market at the results of the holiday trade. Seldom indeed is the report heard of "all that we could attend to" and surprising all the more when we consider the year, as it has been disastrous, to say the least. At the finish everybody was very much used up and not sorry when the time came to close the doors. The hours for length and constant labor are unequalled by that of any other holiday and the weather being very warm and muggy had a telling effect on both stock and workers. The day itself was never more fully observed and all cemeteries gave evidence of generous remembrances of departed friends. Quantities of roses, carnations, lilies, sweet peas, candytuft and gilly flowers were predominating purchases and ably followed up with an unending quantity of cheaper material—feverfew spirea, deutzia, lilac, and a lengthy list of others, all of which found their uses in one way or another. Roses were decidedly cheap and almost every variety was available, all, however, showing the effects of the heat of the previous week. American Beauty was plentiful and received with great favor. From $1 to $3 per dozen an excellent assortment was offered and with satisfactory results for all. Richmond, Killarney and Kaiserin enjoyed the largest demand and from $1 per 100 to $2 per dozen the first named two were dealt out in tremendous quantities. Kaiserin is nearer perfection than any rose on the market and is an excellent value. When seen in its present condition this is without a question, one of the premier roses grown. Few of this variety are procurable at less than $8 per 100 and the major portion bring easily $1.50 and $2 per dozen. Bride and Bridesmaid were available only as third class stock; these varieties are practically through for this season and poor values at any price. A large supply of Easter lilies and callas was available and brought from $4 to $8 per 100. No standards were set for filling in flowers as they were offered at what seemed ludicrous prices and then sales were limited in quantity. Sweet peas in all colors and grades were dealt in extensively bringing in many different ranges from $1 per 1,000 to $10 for the best selections. A great flood of these flowers invaded every corner of the market and heavy consignments were delivered to street venders. Flowering plants did not sell as well as expected due a good deal to the limited assortment available. Outside of hydrangeas, myosotis and geraniums there was but little variety offered, and prices ranged on a sliding scale regulated principally by locations.

Thomas F. Galvin has contracted for numerous decorations the current month; a number of weddings are booked for the coming week which appears to be the favorite week of the matrimonial season. At the Wadleigh and Lock dinners at the Algonquin club this firm conducted the floral decorations which were most elaborate.

The Henry M. Robinson Co. transacted a remarkable holiday business, being far in excess of previous years, and vastly more than anticipated. Tremendous shipments of greens were made to all parts of the country. The cut flower trade was very encouraging.

Houghton and Clark are anticipating an improvement in business with the advent of the June season and began early this week with the Parker-Custas wedding. Memorial day trade greatly pleased this house.

The Waban Rose Conservatories disposed of an immense crop of American Beauty roses to the holiday trade. The stock was in excellent condition.

B.

Pittsburg.

GOOD TRADE AT LOW PRICES.

Among the wholesalers there was a big difference between business this Decoration day and that of last year. Then everything cleaned up at high prices, but although business was good this year, prices were not at all satisfactory. Carnations were the only flowers to clean up and they did not average more than three cents for the best, poorer grades going for much less. In roses, prices did not advance any and those who held or pickled these lost out on the old ones. American Beauty roses were also very abundant with slow sales. Naturally the leader was peonies which sold well but there was nothing like a clean up in them; six cents was the opening figure which soon dropped to three. The demand for lilies was more noticeable owing to the scarcity. Of course the immense quantities of outside flowers which were in bloom this year were largely handled by the retailers; but, excepting peonies, were seldom touched by the wholesalers. This is the first time in many years when there was such a great variety and quantity of outside flowers in bloom for Memorial day. On the whole this state of affairs will probably be a benefit to the trade for future years, as certainly many people carried flowers to the graves this year who have never bought flowers and if we have a late spring next year they surely will be customers for some florist.

NOTES.

The life size horse made solid with white carnations by Faulk Bros. for the resting place of the great plunger "Pittsburg Phil" attracted much attention Memorial day. The Sunday papers all had cuts of it with many comments that were amusing to florists. Edw. Nigel of The Pittsburg Florists' Exchange made the wire frame but the papers had it come from New York.

Marion Morgan, foreman for F. H. Westhoff, DeHaven, is spending his vacation at his old home in Knoxville, Tenn.

J.

GARDNER, MASS.—Arthur E. Graves, late of Northampton, has bought a greenhouse and intends growing vegetables for the Boston market.

Buyers of Cut Flowers

Will find a reliable source of supply in dealing with

THE LEO NIESSEN CO., Wholesale Florists, 1209 Arch St., Philadelphia, Pa.

Everything Seasonable.

PITTSBURG FLORISTS' EXCHANGE, —15— Diamond Sq., Pittsburg, Pa.

AMERICAN BEAUTIES

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

GRAFTED AND OWN ROOT ROSES

KAISERIN, CARNOT, KILLARNEY, RICHMOND, LIBERTY, BRIDE and BRIDESMAID.

—Send For Prices—

W. H. ELLIOTT, BRIGHTON MASS.

CONSIGNMENTS

Of Good Flowers bought or sold on commission.

JOHN W. McINTYRE,

1601 Ranstead St., PHILADELPHIA.

J. J. Harty & Company

Wholesale and Commission

.FLORISTS.

1312 G St., N. W., Washington, D. C.

Phone Connection Main 5011

CARNATIONS in quantity. Special prices on large orders.

ABSOLUTELY THE BEST POSSIBLE SERVICE.

W. E. McKissick

WHOLESALE FLORIST.

Business Hours 7 a.m. to 8 p.m. 1619-1621 Ranstead St., PHILADELPHIA, PA.

Cincinnati.

GREAT DEMAND ON MEMORIAL DAY.

Never before has the demand for flowers been as great for Memorial day as this year. Despite the fact that there was a big lot of outdoor stock, which some of the more pessimistic retailers thought would hurt trade, everybody connected with the business had all they wanted to do. Carnations were the flowers most in demand and prices ruled very firm accordingly. The very hot weather played havoc with the roses, the quality being very poor, and it was a hard matter for the wholesaler to realize very much out of them. All told, our city was better supplied with stock than on any previous holiday and this combined with a good business made everybody happy and contented.

NOTES.

The warm weather of the past week set the boys to talking about the annual outing the question being: "Where will we go this year?" Our old friend Bob Ruttle of Covington, Ky., wants us to come out to his farm on the Lexington Pike and hold an old fashioned Kentucky barbecue. Bob says he will attend to the burgoo himself and will guarantee all a good time.

Tromey's Flower Shop had a very unique window decoration for Memorial day. A wax figure garbed in the colors and representing Columbia in the act of placing a laurel wreath on a grave, together with a beautiful flag with electric lights, created a great deal of favorable comment and attracted much attention.

Henry Schwarz of Norwood was in town on Decoration day and says he is still very busy with bedding stock and it will take him another 10 days before he will finish planting.

Wholesale Flower Markets

PHILADELPHIA, June 3.

Roses, Tea	4 00@ 6 00
" extra	8 00@10 00
" Liberty	6 00@25 00
" Beauty, extra	20 00@25 00
" " first	10 00@15 00
Carnations	1 50@ 3 00
Lily of the valley	2 00@ 3 00
Asparagus, bunch	50 00
Smilax	15 00@20 00
Adiantum	1 00@ 1 50
Cattleyas	50 00@60 00
Lilium Harrisii	6 00@ 8 00
Mignonette	2 00@ 3 00
Sweet peas	50@ 75
Gardenias	15@ 25

PITTSBURG, June 3.

Roses, Beauty, specials	20 00@25 00
" " extras	12 00@15 00
" " No. 1	8 00@10 00
" " ordinary	4 00@ 6 00
" Bride, Bridesmaid	2 00@ 8 00
" Chatenay	2 00@ 8 00
" Richmond	3 00@ 8 00
" Perle	4 00@ 6 00
" Killarney	4 00@ 8 00
Carnations	1 00@ 2 00
Lily of the valley	3 00@ 4 00
Smilax	15 00
Asparagus, strings	50 00
" Sprengeri	3 00@ 4 00
Lilies	12 50@15 00
Adiantum	1 00
Cattleyas	75 00
Sweet peas	50
Gladiolus	4 00@ 6 00
Iris, Spanish	6 00
Snapdragon	4 00

BOSTON, June 3.

Roses, Beauty best	15 00@20 00
" " medium	10 00@12 00
" " culls	6 00@12 00
" Bride, Bridesmaid	1 00@ 2 00
" Extra	4 00@ 8 00
" Liberty	8 00@12 00
Carnations	1 50@ 2 50
" Fancy	2 00@ 3 00
Smilax	8 00@12 00
Adiantum	75@ 1 00
Lilies	12 00@15 00
Asparagus	35 00@ 0 00
Harrissi	10 00@12 00
Callas	8 00@12 00
Narcissus	2 00@ 3 00
Sweet peas	50@ 1 00
Peonies	3 00@ 5 00

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714 Penn Avenue,
PITTSBURG, PA.

All Seasonable Flowers.

Pittsburg Cut Flower Co.

(Limited)

WHOLESALE FLORISTS

222 Oliver Ave. PITTSBURG, PA.

Max Rudolph has two houses already planted to carnations and one to roses; the stock looks very promising.

Wm. Speck of Newport hit the market about right with a big lot of Lilium longiflorum.

George Corbett sent in a nice lot of callas, carnations, sweet peas and daisies.

Weiland & Olinger had a big cut of peonies and American Beauty roses.

Will Murphy was great on Spanish iris which he had by the thousand.

Tom Windram cut in the neighborhood of 10,000 carnations. S.

WEADLYTOWN, PA.—Julius Snyder when returning home from collecting accounts in Philadelphia was attacked at a lonely part of the road and robbed of his gold watch and about $60 in money. There is no clue to the robbers who, it is thought, seeing he had money followed him from Conshohocken, where he stopped.

MITCHELL, IND.—M. Magers started to open a greenhouse May 18, and in fact had a few plants on hand, but changed his mind suddenly and has abandoned the undertaking altogether. He was waited on by a lady who happened to own the flowers with which he was going to make his grand opening and she took his entire stock.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

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COMMISSIONS CARRIED OUT IN LONDON
or any part of Great Britain.
Messrs. WILLS & SEGAR will attend to any commissions from American florists for the supply of Cut Flowers, Birthday flowers, Bouquets, High Class Floral Designs, etc. to their clients who may be traveling in England.
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TELEGRAMS, FLOSCULO, LONDON. Onslow Crescent, South Kensington, LONDON, ENGLAND.

Kansas City, Mo.
WILLIAM L. ROCK Flower Co.,
Will carefully execute orders for Kansas City and any town in
Missouri, Kansas or Oklahoma.

Philadelphia, Pa.
Robert Kift,
1725 Chestnut Street.
Prompt and Careful Attention given to all Mail and Telegraph orders.

Cleveland.

RAIN HINDERS TRADE.

The week preceding Memorial day was a busy one for both the grower and the commission man. The bedding men are shaking hands with each other because they all caught up with their work, though they started to plant a week later than other years. Reports so far show that business on Memorial day was above expectations, but all reports are not in at this writing; by next week we shall be better able to give an account of the volume of business done. All were well prepared to do a large business. Not for several years has there been such large quantities of stock on the market for this time of the year. Although we had occasional sun showers, large crowds of people visited the various cemeteries regardless of the rain. A rush on cut flowers was looked forward to on Sunday, but owing to the gloomy, cold weather, much disappointment was felt by both wholesaler and retailer, the former because he had a large stock on hand and more shipments arriving, the latter because the demand was very light on account of the rain. Some growers still persist in sending in the so-called "pickled" stock in spite of all that has been said about its uselessness. Peonies are having full sway this week, many thousands are coming into the market.

The Cleveland Florists' Exchange was burglarized last Saturday night; entrance was gained by breaking one of the back windows. Some unusual traits characterized the invaders. They showed a preference for American Beauty roses and choice stock. About 150 select long stemmed American Beauties and 300 peonies, select stock, of course, also the cans and pails the flowers were in and several small office articles are missing.

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Detroit, Mich.
John Breitmeyer's Sons
Cor. Miami and Gratiot Aves.
Artistic Designs.
High Grade Cut Blooms.
We cover all Michigan points and good sections of Ohio, Indiana and Canada.

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...FflorIST...
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Telephone Connection. 396 Boylston St.

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Woodland Seed & Floral Co.,
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Will fill all orders for Cut Flowers, etc. for steamers for Japan and Alaska or any part of the Pacific coast. A. L. AABLING, Gen. Mgr.

Louisville, Ky.
JACOB SCHULZ,
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Cut Flowers of BEST QUALITY in season, delivered promptly to any address.
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Greenhouses: Short Hills, N. J.
— Deliveries in —
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Trade orders from all parts of the country filled for delivery at residence, steamer, hotel, or theater on wholesale basis. Satisfaction guaranteed. Wire or telephone.

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Prompt attention given to all mail, telephone and telegraph orders.

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Special attention to Telegraph or Telephone orders. 'Phone 1912.

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THE LEADING FLORISTS OF THE NORTHWEST
Orders will be well cared for anywhere in MINNESOTA AND THE DAKOTAS.

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CUT FLOWERS
For Tourists and General Trade.
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FLORAL DESIGNS AND FLOWERS
Best Quality on Shortest Notice
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Order by mail, telephone, telegraph or cable. Cable address: "Daniels, Denver."

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Will fill your orders for designs and cut flowers in
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Regular discount allowed on all orders, either Plants or Cut Flowers.
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Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones

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upon the usual terms and offer: (*1*) *Thoroughly reliable and prompt service;* (*2*) *stock that will reflect credit on your firm;* (*3*) *the same good treatment that we, in turn, hope and expect to receive at your hands.*

We do a Hundred Thousand Dollar Retail Business annually; hence keep the largest and finest assorted stock in Kansas City always on hand. We are "Kansas City's Largest Retail Flower Shop." Correspondence with out-of-town florists solicited.

ALPHA FLORAL CO., *1105 Walnut St., KANSAS CITY, MO.*

Milwaukee, Wis.

C. C. Pollworth Co.
Will take proper care of your orders in **WISCONSIN.**

A sign like this in your window will draw good business now.

Steamship Sailings.

WEEK ENDING JUNE 13.

June 8, Hamburg, Genoa-New York.
June 9, Kaiser Wilhelm II, Bremen-New York.
June 9. Kronprinzessin Cecilie, N. Y.-Bremen.
June 10, Bluecher, New York-Hamburg.
June 10, Ryndam, New York-Rotterdam.
June 10, Chemnitz, Baltimore-Bremen.
June 10, Noordland, Liverpool-Philadelphia.
June 10, Lucania, New York-Liverpool.
June 10, Teutonic, New York-Southampton.
June 11, La Lorraine, New York-Havre.
June 11, Canada, Liverpool-Montreal.
June 11, Baltic, New York-Liverpool.
June 11, Arabic, Liverpool-New York.
June 11, Deutschland, Hamburg-New York.
June 11, Grosser Kurfurst, New York-Bremen.
June 11, Hannover, Bremen-Baltimore.
June 11, Corsican, Liverpool-Montreal.
June 11, Sardinian, London-Montreal.
June 12, Menominee, Philadelphia-Antwerp.
June 12, Tunisian, Montreal-Liverpool.
June 13, President Grant, New York-Hamburg.
June 13, Pretoria, Hamburg-New York.
June 13, Rotterdam, Rotterdam-New York.
June 13, Vaderland, New York-Antwerp.
June 13, Furnessia, New York-Glasgow.
June 13, Caledonia, Glasgow-New York.
June 13, New York, New York-Southampton.
June 13, Philadelphia, Southampton-New York.
June 13, Westernland, Philadelphia-Liverpool.
June 13, Caronia, New York-Liverpool.
June 13, La Provence, Havre-New York.
June 13, Ottawa, Montreal-Liverpool.

Indianapolis, Ind.

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Flowers or Design Work.
DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.
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KANSAS CITY and PLEASANT HILL, MO.
Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

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Palmer's
W. J. Palmer & Son. 304 Main St.

Nashville, Tenn.

Joy Floral Co.,
610 CHURCH STREET.

The Seed Trade.

American Seed Trade Association.
Geo. S. Green, Chicago, Pres.; M. H. Duryea, New York, First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-sixth annual convention, June 23 to 25, at Hotel Ponchartrain, Detroit, Mich.

CHAS. L. ALLEN, Floral Park, N. Y., will celebrate his eightieth birthday June 13.

THE Iowa Seedsmen's Association will hold its annual convention at Des Moines, Ia., June 9.

SEEDSMEN are gradually getting closer together to protect their interests against state and federal legislation of a baneful character.

THE twenty-sixth annual meeting of the American Seed Trade Association will be held at Hotel Ponchartrain, Detroit, Mich., June 23-25.

ROCKY FORD, COLO.—F. W. Brugger-hof, New York, and Burnet Landreth, Bristol, Pa., were the guests of D. V. Burrell on an automobile trip May 20.

LOS ANGELES, CALIF.—F. W. Brugger-hof of New York and Burnet Landreth of Philadelphia, capitalists, registered at Hotel Alexandria today.—Los Angeles Times, May 25.

MARBLEHEAD, MASS.—Jas. J. H. Gregory & Son state that the season has been very cold and backward, but all seed crops have started well. Roots never wintered so well.

THE bureau of manufacturers is in receipt of a communication from a German business man, in which he states that he would like to get in touch with American firms engaged in the exportation of clover and grass seeds.

GARDENA, CALIF.—J. Bodger & Sons' sweet pea farm, consisting of 350 solid acres and covered with 150 varieties is now open to the public for observation, the admittance fee including a ride through the expanse of flowers.

BRASLAN SEED GROWERS CO. writes from San Jose, Calif., May 28: "Lettuce in general will be short on the coast except with growers who have a large acreage planted. Radish very good with us. Carrot, particularly Danvers Half Long, will be short crop with us but we hope to make better deliveries on other varieties. Onion at the present time is looking well and while it will take 60 days to put it out of danger, all kinds except Southport White Globe should show good deliveries.

AT the annual meeting of the Nursery and Seed Trade Association of England, which was held in London, April 27, it was stated that the association had been of great service to the trade, as it had during the last year answered 870 status inquiries and collected accounts amounting to approximately $27,577, principally in small amounts, after members had done all in their power by mail to obtain payment.

THE Hickory Seed Co., Hickory, N. C., was chartered May 23 with $20,000 capital for general seed and grain growing and the sale of seeds of any and all kinds. The incorporators are R. O. Abernathy, W. J. Shuford, L. R. Sticker and A. L. Shuford.

CHICAGO.—Onion set conditions have not improved much. The ground remains water-logged in many fields.—Hand picked medium beans are quoted at $2.65 per bushel.—Grass seed prices on the board of trade June 3 were noted as follows: Prime timothy, $4.25 (nominal); choice white clover, $15.—Visitors: Adolph Kruhm, representing the Barteldes Seed Co., Lawrence, Kans.; L. M. Breit, representing Samson & Sons, Angers, France; H. Suzuki, representing Yokohama Nursery Co., Yokohama, Japan.

PARIS, May 26.—The many American friends of Vilmorin-Andrieux & Co. will be glad to learn that a week ago the present head of the firm, Philippe L. de Vilmorin, was created by the French government a chevalier of the Legion of Honor. Considering that Mr. Vilmorin is only 36 years old this high distinction tends to show that he is following the lead of the four generations of his forefathers.—Recent callers were W. Atlee Burpee and Wm. F. Dreer, Philadelphia, Pa.; Lem W. Bowen, who is just now in Naples, is expected in Paris about June 8.—Parisian.

Braslan Seed Growers' Co.
Growers for the Wholesale Trade Only.
SAN JOSE, CAL.

French Bulbs.

May 26, 1908.—The French bulb trade seems to be quiet. No sooner were the prices of the Growers' Syndicate fixed several weeks ago than some of the dealers started buying eagerly. Finding, however, that American buyers were either holding back or reducing their orders, the dealers kept on the prudent side by stopping to buy. This, however, has not yet induced the growers to relax, although individual growers may feel inclined to consider reasonable bids.

The crop prospect seems to be as good as last season, with perhaps the exception of Narcissus Paper White Grandiflora, which may fall a little below. Whether the prices will go down in case the American orders will not be of the usual magnitude is a matter of conjecture.

PARISIAN.

French Seed Crops.

PARIS, MAY 26.—The seed trade has just completed another season. From news published in the AMERICAN FLORIST it seems to be evident that the 1907-08 season has been good, from the American seedsman's point of view. The same is true on this side, or at least as far as France and the good seed houses are concerned. At one time we were afraid that some articles, mangels for instance, were not moving as rapidly as during 1907, but sales caught up and at the end showed even an advance over the previous season. First class stocks of many articles, such as beets in nearly all sorts, some cabbages, especially red types, several carrots, particularly field carrots, dandelions, egg plants and onions, all kinds, peppers, leading varieties, radishes Scarlet Globe. Turnip Scarlet, White Tipped, Strasburg, Golden Yellow Oval, Cincinnati Market, Chartier, Vienna, Livingston's Pearl Forcing, White Russia, Scarlet China; turnips White Egg, Cowhorn, Yellow Stone, etc., are entirely exhausted and many other kinds are running very low. Clovers and grasses sold well at remunerative prices, and though it is difficult to satisfy everybody, neither the seedsmen nor the growers have reason for complaint.

As regards next fall's crops it is still too early to anticipate the outcome. Our spring has again been very erratic. March was cold and wet during the first three weeks and rather more wintry than springlike, interfering a good deal with field work and also with the development of vegetation. The latter part of March and the first part of April were mild and seasonable and the growers held the hope that the higher temperature would make up for the backwardness, when suddenly on Easter Sunday and the week following snowstorms, hail and very cold, biting winds swept over France. The thermometer dropped to 23° Fahrenheit, the lowest recorded in the southwest for 30 years at such a late date, damaging a good many fruit trees—almonds, apricots, peaches and grape vines. Fortunately in the northern part of France the trees were not advanced enough to be much injured. Those beets that had been planted previous to the frost were somewhat nipped. After that week of inclement weather the temperature rose until May 27, when from about 75° it dropped again at night to 42° Fahrenheit. We earnestly hope that the present cool weather will be of short duration, as all vegetation is from two to three weeks late.

The seed crops which cause us most anxiety just now are the beets and onions. Of the former article we have now had fully half a dozen short crops and I am sorry to say that according to the general feeling the shortage in the outcome of the new crop on such leading varieties as Detroit, Eclipse, Crosby's Egyptian, Crimson Globe, Half Long Blood, Electric and Lentz will be fully 50 per cent. The presumption just now is that the Edward's and Blood turnip may yield from 60 to 70 per cent of the quantities contracted for, while Strasburg and Covent Garden beets are almost failures. Yearling stocks of onions are totally depleted and we wanted a good supply to fill American contracts. For the reasons pointed out in my notes of last fall, the crop will not be more than from 50 to 75 per cent of an average, and White Globe onion is not expected to yield more than about 30 per cent. Queen and Barletta onions have a better showing. Cabbages will fall below contracts, but enough seed may be saved to go on, except perhaps the Winningstadt. The present condition of the carrots, leeks, celeriacs, dandelions, parsleys, parsnips, winter and summer radishes are encouraging, with a few exceptions. Celery Paris Golden Self-Blanching so far shows a deficit of about 50 per cent of the contracts, but the seed is far from being stalked.

White Vienna kohlrabi is expected to yield about 75 per cent. Mangels Tankard and the Intermediate Barres, a sort very largely grown in France, may fall short in Western France, but the other varieties of mangels show a better stand and will yield enough to cover contracts. The shortages on those turnips which we require most, on account of the stocks being cleared out, such as White Egg, Cowhorn, Purple Top Aberdeen, Yellow Stone, Amber Globe, Scarlet Kashmyr, etc., are very serious, while of the American White and Red Top Strapleaved, Purple Top White Globe, and White Norfolk the prospects are at present more favorable. The latter may also be said of the rutabagas, though the aphis has somewhat preyed on the plants in western France.

Owing to the unfavorable conditions that existed all through the growing season, and to the trying ordeals which our

leading growing district in southern France had to undergo, spinach, pansies and many perennial flower seeds are reported a disappointment by the growers. Favorable weather is much needed. With regard to the annuals, spring radishes, peppers, egg plants, etc., it is altogether too early to know much about the outcome. In many instances the first sowings have been destroyed by the frost and had to be renewed several times. Spring radishes have been transplanted under pretty favorable conditions and the growers are in hopes of a good crop. Some fields have been attacked by the flea, which, however, so far has only slightly damaged the plants.

Imports.

During the week ending May 30 imports were received at New York as follows:

H. F. Darrow, 38 cases plants, 10 tubs laurel trees.

J. Roehrs & Co., 33 cases plants.

Vaughan's Seed Store, two cases plants. To others, 82 cases plants, 34 pkgs. plants, 16 baskets plants, 24 tubs laurel trees, 482 bags clover seed, 24 bags, 48 pkgs. seed.

S. M. ISBELL & CO.
JACKSON, MICH.
Contract Seed Growers,
Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.
Correspondence Solicited.
Write for Prices on Surplus Stocks for Immediate Shipment.

Enormous Asparagus. — Seed of Same.
I have a few pounds of this famous seed for sale. Seven stalks have been cutting to a bunch this season of this Asparagus. The seed is all selected from mammoth stalks. If you will plant this seed now you can have thousands of plants for forcing this winter. You can save three-fourths of the price of the plants if you will plant the seed.
WARREN SHINN, WOODSTOWN, N. J.

Rogers Brothers,
SPECIALTY GROWERS.
Purest Strains GARDEN PEA and BEAN SEED.
For the Wholesale Trade. ALPENA, MICH.

CAULIFLOWER CABBAGE SEED
HJALMAR HARTMANN & CO.
31 Barclay St. NEW YORK. 12 Stormgade, COPENHAGEN, DENMARK.

MICE PROOF SEED CASES.
SEND FOR BOOKLET.
HELLER & CO., Montpelier, O.

Telegraph Code
Am. Seed Trade Association
$2.00
In either stiff or flexible cover. Address orders
AMERICAN FLORIST CO., CHICAGO.

Seed Beans
F. L. HOGUE,
CARPINTERIA, CAL.,
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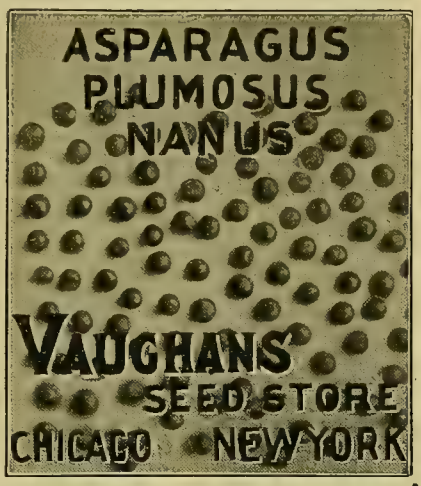

We handle this Asparagus both in seeds and plants of all sizes, in very large quantities and make very close prices on larger amounts on application. Our seed is pure, fresh, of best germinating quality and extraordinary vitality
Northern Greenhouse-Grown Seed. Per 100 seeds, **60c;** 250 seeds, **$1.00;** 1000 seeds, **$3.00.** Price for larger lots on application.

Waldo Rohnert
GILROY, CAL.
Wholesale Seed Grower
Specialties: Lettuce, Onion, Sweet Peas, Aster Cosmos, Mignonette, Verbena, in variety.
Correspondence solicited.

The Hiram M. Tilly Co.
SEATTLE, WASH.
Growers of
Puget Sound Cabbage Seed.

Asparagus Plumosus Nanus Seed
$2.00 per 1000, Cash.
NEW CROP Highest Germination.
DRAKE POINT GREENHOUSES
YALAHA, FLORIDA.

PROCEEDINGS
Of the Congress of Horticulture held at the Jamestown Exposition, September 23, 1907,
Linen Bound. 108 pages. Price, 25c.
This publication includes the formal addresses and discussions of the papers read at the meeting which covered the various phases of Horticulture. This meeting was pronounced by Horticultural authorities as one of the greatest Horticultural meetings ever held in a single day.
For copies address
H. C. IRISH, Sec'y,
National Council of Horticulture, Missouri Botanical Garden, St. Louis, Mo.

THE WABASH TO DETROIT
Only Line Between Chicago and Detroit
Running Free Reclining Chairs.

Open sleeper reserved for seedsmen on night train June 22. Compartment cars. Trains leave the Dearborn Station, Dearborn and Polk Sts., as follows:

12:04 noon, arriving 8:50 p. m.
3:00 p. m., " 10:50 p. m.
11:00 p. m., " 7:30 a. m.

Reservations may be made on application to

LEONARD H. VAUGHAN,
84 Randolph St., Chicago,
or to the
CITY TICKET OFFICE,
Wabash Railroad,
109 Adams St., Chicago.

Round trip fare, Chicago to Detroit, $11.00; berths, $2.00.

NOW READY 1908 EDITION Trade Directory.

MARKET GARDENS.

Sweet Potatoes.

CHARACTER OF SOIL.

Sweet potatoes thrive on a moderately fertile sandy loam which does not contain an excess of organic matter. They are frequently grown upon almost pure sand, especially where the subsoil is a yellow clay. Soils containing considerable calcium or underlain with limestone are well adapted to the growing of the crop. Department of Agriculture experiments show the sweet potato is exceptional in that a fairly good crop can be grown upon soils that are too poor for the production of the majority of farm crops. Sweet potatoes yield a fair crop on the wornout tobacco and cotton lands of the south, especially when used in a rotation including some leguminous crop for increasing the humus in the soil. Like many other crops, the sweet potato thrives on newly cleared land, but the crop should not be planted continuously in the same place. With the sweet potato, as with other crops, rotation is the keynote of success.

Good drainage is essential, the original idea of planting upon high ridges being for the purpose of securing better drainage. The surface soil should extend to a depth of six or eight inches, and the subsoil should be of such a nature that it will carry off excessive moisture without leaching away the fertilizers applied to the land. Too great a depth of loose surface soil or an alluvial soil having no subsoil will produce long, irregular potatoes that are undesirable for marketing. Planting upon land having a loose, sandy surface soil underlain by a well-drained clay subsoil will tend to produce the type of rather thick, spindle-formed potato that commands the highest price. The depth of plowing is a prominent factor in the preparation of land for sweet potatoes, and on soils of too great depth before the subsoil is reached very shallow plowing should be practiced, leaving the soil firm beneath, against which the roots must force their way. If the surface soil is of insufficient depth, it should be gradually increased by plowing a little deeper each year or by subsoiling in the furrow behind the regular turning plow.

As already noted, the sweet potato will thrive on soils that are only moderately fertile. The root portion of the plant is the part having the greatest value, though the foliage and vines have some value as food for certain kinds of stock. It has been found that an excessive amount of organic matter in the soil will frequently produce an abundant growth of vines at the expense of the roots. It has also been noted that the potatoes will be small and the yield unsatisfactory on soils that do not contain sufficient organic matter to produce a fair growth of vine.

The use of stable manure as a fertilizer for sweet potatoes is recommended on lands that are deficient in organic matter. Heavy applications of fresh manure shortly before planting the land to sweet potatoes will stimulate not only the growth of weeds but also of the vines at the expense of the roots. Well-rotted stable manure may be used at the rate of 10 to 15 cartloads to the acre, spread broadcast or beneath the ridges and harrowed into the soil, but it is always well to apply the manure with the crop grown the previous season. By this method the manure will become thoroughly incorporated with the soil and become somewhat reduced before the sweet potatoes are planted upon the land.

Stable manure will be found most beneficial on worn-out soils, but on the more fertile soils its use should be restricted and the method of application carefully studied. In some sections where the organic matter in the soil is insufficient all kinds of vegetable matter, including manure, pine needles, corn fodder, straw, and stubble, are turned into the land to bring up the fertility. The sweet potato vines will go a little way toward keeping up the organic matter in the soil, but have a souring tendecy and should be accompanied with a moderate application of lime or plaster.

Leguminous plants grown as cover crops or in the rotation will serve to keep up the organic matter in the soil the same as stable manure. Sweet potato growers are coming to realize the value of crimson clover for use in the rotation in which sweet potatoes are grown. If the land is planted to corn, crimson clover may be sown in the alleys at the time the corn receives its final cultivation. This will provide a covering for the land during the winter and as the crimson clover starts into growth quite early in the spring a heavy crop is produced by the time it is necessary to plow the land for sweet potatoes. In order to secure the best results the crimson clover should be turned under not later than the appearance of the first blooms; if allowed to remain longer the stems become tough and do not decay quickly enough to be of benefit

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I ALSO GROW LARGELY SEEDS ON CONTRACT.

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THE AMERICAN FLORIST COMPANY'S Trade Directory for 1908, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 509 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information.

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Sunray, giganteum variety, fine. Full list of varieties sent on application.

PRIMULA SINENSIS,

These are in seven DISTINCT colors.

We can serve you well. Special attention given to the correct fertilization of all seed blooms.

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Floricultural Seed Growers for the Trade

Terms net cash with order.
Lists and quotations free.

HARLINGTON, Middlesex, ENG.

to the sweet potato crop which follows.

The sweet potato is one of the few of our crops that thrive equally as well (or better) upon commercial fertilizers as upon stable manure. A fertilizer for use on the majority of sweet potato lands should contain 3 to 6 per cent of nitrogen, 6 or 7 per cent of phosphoric acid, and 8 to 10 per cent of potash. Every grower should make a study of the requirements of his soil and apply the fertilizer that will give the best results. Many growers purchase the ingredients and mix their own special fertilizers, or use a standard fertilizer as a base and increase the percentage of certain elements by adding high-grade elementary ingredients. Some soils require that certain elements should be in a more available form than others; in the case of nitrogen it is often desirable to have a portion of that contained in the fertilizer quickly available and the remainder more slowly in order to feed the plants throughout the season.

Hardwood ashes are desirable for use on sweet potato land and may be applied at the rate of from 1,200 to 2,000 pounds to the acre. The value of wood ashes depends upon how much they have become leached, but hardwood ashes should contain from 6 to 8 per cent of available potash. Wood ashes also contain considerable lime.

Where large quantities of any green crop are plowed into the soil there is a tendency to sourness, and occasional applications of from 1 to 2 tons of lime to the acre are beneficial. The presence of an abundance of lime in soils devoted to the growing of sweet potatoes hastens the maturity of the crop and increases the yield. On poor soils the lime and potash work together to produce potatoes of uniform size and shape, but on rich or alluvial soils the tendency is toward the production of over-large and irregular roots. The lime should be applied the previous season, or at least the autumn before planting the land to sweet potatoes.

PROPAGATION.

The more common varieties of the sweet potato have for a great many years been propagated by cuttings, or sets, taken either from the potatoes themselves or from growing vines, and as a result the plants have ceased to flower and produce seed. The greater portion of the commercial crop is grown from sets, or "draws," produced by sprouting medium-sized potatoes in a warm bed of soil. In the southern states the seed potatoes are frequently cut into pieces in the same manner as Irish potatoes and planted in the row where they are to mature. Where several plants appear in one hill they are thinned, and those removed are used for planting other land. In the south Atlantic and Gulf Coast states the sweet potato is frequently propagated by making vine cuttings. A comparatively small bed of seed potatoes is planted quite early and the sets so produced are used to plant a small patch from which vine cuttings are taken later by the cartload for planting large fields.

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CALLA ETHIOPICA BULBS.

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7 to 8 " "	.....	65.00 " "
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250 at 1000 rates. Packed in slatted crates. Liberal count. **Safe arrival guaranteed.** I prepay freight at above prices to your city when check is sent with order. Send in your order to-day and cash to reach me June 20th. References: First National and People's Bank, Santa Cruz, Calif., and Dunn's.

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The finest Freesia ever offered to the trade and the only one worth growing. The flower heads are of very large size, and are of glistening whiteness and of thick, heavy substance, making its keeping quality superior to all others. The stems, always stiff, can be grown two feet and over, making this magnificent Freesia one of the finest decorative flowers; it can be used entirely alone in that respect or with other long-stemmed flowers. The greatest care is taken by us to keep this beautiful Freesia pure and free from all danger of mixing by carefully picking off all seed pods, not allowing one to ripen and drop its seed in the ground, where it will surely grow the next season and work disaster, as it does not come true from seed. So beware of buying stock that has been increased from seed. You will always find **Purity** here in all its purity. Send your orders early, for last year the orders far exceeded the supply. This year we hope to fill all orders and offer first and second grade bulbs for sale. Send for Price List. Delivery in early July.

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The Nursery Trade

American Association of Nurserymen.

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Thirty-third annual convention to be held Milwaukee, Wis., June 10-12, 1908.

THE oriental poppy is easily the showiest flower of the week.

ROSA RUGOSA is now at its best and brightest as to the flowers.

THE P. J. Berckmans Co., Augusta, Ga., has many large landscape contracts in different parts of the south.

MANY western people would like to make the rose the flower for Mothers' day as they point out that May is rose month in the west.

AN interesting historical account, with numerous illustrations, of Milwaukee, the convention city, will be found on pages 980-981 of this issue.

WE noted the pretty white squill (Scilla hyacinthoides flowering freely in Lincoln park, Chicago, this week. This fine plant is worthy of greatly extended culture.

BRIDGEWATER, MASS.—The botanical garden which is being laid out for the use of the students at Normal is approaching completion. The site is east of Park avenue beyond the campus and the soil is being thoroughly prepared and trees and shrubs planted.

SPRINGFIELD, MO.—The Greene County Horticultural Society at a recent meeting decided that 60 per cent of the fruit crop had been killed. There will only be about 25 per cent of the Ben Davis apples left and the damage to peaches and other varieties of fruit cannot yet be determined.

THE annual meeting of the Vermont State Horticultural Society will be held in Montpelier in November during the legislature instead of in December as usual. The society will ask for legislation providing for a uniform packing of apples and correct labeling of all packages according to a standard of quality.

NORTH YAKIMA, WASH.—Paul Kruger was found guilty in the federal court here May 23 on three counts of an indictment of using the mails with intent to defraud the Washington Nursery Co. of commissions. He was remanded for sentence. He is said to be a nephew of the late President Oom Paul Kruger, of the Transvaal.

IN nearly every portion of the fruit belt in Georgia there is a heavy crop of peaches and plums. Peaches are already moving in carload lots from the southern part of the state and by the middle of June they will be moving in large quantities. The fruit is, in nearly all sections, comparatively free from curculio and is of good shape, but unfortunately some orchards have more fruit than they can bear and the growers have not taken the precaution to thin, consequently unless the weather continues most favorable there will be a large quantity of very small and unmarketable fruit. In orchards which have been properly thinned the peaches are in a very satisfactory condition at present. B.

DODECATHEON MEADIA is a good instance of a native plant being well adapted to cultivation. During the last two weeks it has been very fine in the herbaceous border.

HANKINSON, N. D.—The Hankinson Nursery Co. has just completed a fine little park of ornamental trees and flowers for the Soo R. R. Co. just east of the depot. This is one of 14 depot parks which the company has contracted to make for the Soo company, some of them as far east as Michigan. The company has just finished a very successful delivery of stock for spring planting at various points in the state and a big force of travelers started out this week to solicit business for fall delivery.

R. D. Underwood.

Secretary Jewell Nursery Co., Lake City, Minn.

Jewell Nursery Co., Lake City, Minn.

The Jewell Nursery Co., Lake City, Minn., is now one of the largest concerns of its kind in the northwest. It cultivates over 1200 acres in one body at Lake City, and ships annually 500 cars. The efforts of this nursery are largely given to the propagation of stock suited to the extreme northern country where hardy stock alone is adapted to the extreme conditions. For this reason The Jewell Nursery Co. takes pride in the fact that it grows practically its entire output of nursery stock. This fact is attested by the pay roll of the nursery force last year which amounted to nearly $75,000. Its business is secured largely through traveling salesmen, of which the firm has more than 600 working as far east as Michigan and as far west as Washington. It also has a growing business in the western provinces of Canada.

R. D. Underwood, secretary of the company, of whom we publish an excellent portrait, was born in Lake City, in 1877, and has been intimately associated with the nursery business all his life. His father, J. M. Underwood was associated with the late Dr. P. A. Jewell in the establishment of the Jewell Nurseries in 1868. In 1884, after Dr. P. A. Jewell's death, a stock company was organized, and in 1899 Mr. Underwood became secretary.

Destruction of Chestnut Trees.

New York papers give particulars, that seem to be well founded on facts, of a very bad state of affairs with the chestnut trees in the metropolis and vicinity. Thousands of trees, amounting in value to millions of dollars, are said to be dying, the victims of the chestnut canker (Diaporte parasitica-Murrill) for which there is no known remedy. Dr. Murrill is reported as saying that this pest means the practical extermination of the chestnut tree in the east, owing to the great fecundity of the fungus and the fact that its spores will enter the slightest abrasion of the bark high up on the trees or low down on the trunk. Speaking of the loss in the Botanical Garden Dr. Murrill said: "A conservative estimate of our loss in the garden will be perhaps $5,000 allowing $10 a tree, which is very low. We have lost many beautiful trees on the lawns and along the roads, large trees which had attained their maturity, which could not be valued at less than $100. We began immediately to plant trees to take the places of the chestnuts on the lawns and in the hemlock woods, where many of the chestnuts are dying. Other trees will grow up to take their place, and we can use the timber of the dead trees for posts, fuel—many things. The loss is not as great to us as it would be under different circumstances. There should be a law to prevent the shipping of our chestnut trees now to other states. I understand they have been shipped recently to California."

Dr. Murrill mentioned generally as the territory now covered by the diseased trees—Long Island as far as Huntington, up through New York to Poughkeepsie, north to Connecticut and Massachusetts, and south to Newark and Trenton, N. J., and Philadelphia. In the garden he pointed out the trees with bare, dead branches, some with the entire top of the tree dead, others having only a few twigs growing out of the lower part of the trunks, and these beginning to wither. The tiny orange spots of the fungus fruit could be seen in the bark, and there was a hollow sound as the bark was tapped. The trees were those which had been fine, healthy ones, some 60 years old and more, with the best of conditions as to location and soil, but hopelessly lost, as the most casual eye could tell. Experiments in the tree fungus are being carried on continually in the garden.

Leaf Blight of Trumpet Creeper.

The leaf blight of Tecoma radicans (Cercospora sordida Sacc.) shows on the under surface of the leaves as small, angular, olive-brown patches, either distinct or more or less run together, according to the report of the Connecticut Agricultural Experiment Station. The spore stage which forms these patches consists of short, dark, olive-brown conidiophores bearing lighter colored spores. The spores vary from linear to linear-obclavate, are smoky tinted, 4—12 septate, straight or somewhat curved, and vary in size. The injury to the leaf first shows on the upper surface as a yellowish discoloration, which in time may change to reddish-brown, but ordinarily it is not very severe. Two other species of cercospora have been described from the United States on this same host, but it is doubtful if all three are distinct.

Viburnum Carlesi.

This beautiful shrub recently received an award of merit from the Royal Horticultural Society of England, when exhibited by Sir Trevor Lawrence's gardener. It comes from Corea and has rounded flower heads of white or pink a good deal like those of Luculia gratissima. These flower heads are four to six inches across, compact, and borne at the ends of stiff, sturdy branches and the flowers give off a delicate fragrance.

BOX TREES.

Beautiful shapely plants in fine condition and in nice green tubs.

PYRAMIDAL.

	Each	Per Pr.		Each	Per Pr.
3 -ft high	2.50	5.00	4 -ft high	$ 4.00	$ 7.00
3½-ft high	3.00	6.00	5 -ft high	7.00	13.00
			6 -ft high	8.00	15.00

STANDARD OR TREE SHAPED BOX.

Full, compact, well shaped.	Each	Per Pr.
24-inch clear stem, crown 18 to 20 inches	$ 2.50	$ 4.50
24-inch clear stem, crown 24 inches	3.50	7.00
18-inch clear stem, crown 34 inches	4.50	8.00
24-inch clear stem, crown 34 inches	6.00	10.00

GLOBE SHAPED BOX TREES.

	Each.
18-inch diameter Globes	$ 1.50

BABY BOX TREES, 12 - 18-in. Stem.

Crown 10-inch diameter ..... 50c each; $5.00 per dozen.
Prices include trees planted in nice, new green tubs. Order at once.

BAY TREES. (Laurus Nobilis.)

STANDARD or TREE SHAPED

Crowns	Each
16 to 18 inch diameter	$ 5.00
20 to 22 inch diameter	6.00
24 to 26 inch diameter	7.00
30 to 32 inch diameter	10.00
34 inch diameter	12.00

PYRAMIDAL SHAPED

	Each
4 ft. high	$ 5.00
5 ft. high	8.00
6 ft. high	10.00
7 ft. high	15.00

COLUMN SHAPED TREES.

6 ft. high, base 22-24 in. ..... each, $12.00

ARAUCARIA EXCELSA.

SPECIAL OFFER. Strong plants from top cuttings in 4-inch pots, 6 to 8 inches high, with 2 to 3 whorls. Just the size to grow on for your fall sales. Every plant will make a 75c plant by October.

Order Now Before All Sold. **Price:** Per dozen, $5.00; per 100, $36.00.

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Greenhouses and Nurseries: Western Springs, Ill.

Rheum Palmatum and Its Varieties.

It is quite probable we should find far greater use made of the ornamental species of rheum in the best aspects of "free" garden landscape if the genus possessed no economic value in the garden rhubarb. There is in these days less observance of the line that defines the garden of pleasure and the garden of profit; the introduction of the pergola and the herbaceous border into the realm of the kitchen garden has been mainly responsible for this, and in several gardens recently planned there is a distinct trend towards blending the artistic and material values to the advantage of both.

In what I may term "free" garden landscape the rheums can play a very important part, and they have this advantage over many other plants so used: They are ornamental from the first, and they precede practically every other plant, ferulas excepted, in their season of effective display. Distinctly the best rheum to employ in garden landscape is the palmate species and its color forms. These give us elegance of leafage and a greater rigidity of stem than any other, and if there is anything in the comparison to recommend them, they are less like the denizen of the kitchen garden than any other species I happen to know well.

In common with most strong herbs, they enjoy a rich soil: the deep alluvium generally to be found at the margin of natural brooks and ponds is excellent for them, and in such material they attain to tropical luxuriance of flower and foliage that would be impossible to secure by any other means. Their quick growth is greatly in their favor. A tiny seedling will, in the course of two years' growth, develop into a plant 12 feet high and two yards across, and a grouping of several such plants so disposed that their individual outline is well maintained from a distant point of view is one of the best possible features of artistic landscape.

Wherever there is a sheltered recess among common trees and shrubs, a treeless area by waterside or a wild garden in its broadest sense, one can recommend rheums for their many stately and beautiful features. Typical R. palmatum is an old-time plant, but rarely met with in good condition. It forms a clump of handsome leafage two yards across, the petioles lengthy and more than usually strong for a rhubarb; the leaves are palmately cleft, green, with ruddy veining, and there are several minor lobes that add much to the elegant outline of the entire leaf cluster. The stems are greenish and minutely mottled red, the flowers are literally in rope-like culms, clustered in the free, bract-enclosed, verticils characteristic of the common rhubarb, and they persist for many weeks, gradually changing from the creamy-white tint of the perfect flower cluster to the pink tint of the seed cluster. The tall shafts, slender petioles and elegantly lobed leafage convey no impression of the heavy, clubby character of the common rhubarb to my mind. One can, in fact, welcome them in the ideal wild garden where beauty of form and inflorescence, as distinct from that ornate and showy, should be a certificate for admission.

R. palmata flore-roseo is a new form, whose flowers are pink-tinted. It is very beautiful in the early stages of its growth, the leafage being of a deep ruddy hue, and the flower stems are ruddy always. Another form that is probably a garden variation of flore-roseo is that named rubrifolium. This plant excels in its ruby-red coloring always. The first leaf is gloriously colored and the last seed pod is crimson tinted. I have had a group of this plant for some years, and think it should find general favor. The leafage, stems and flowers are those of palmatum, but ruddy tinted throughout. Var. tanghuticum is the stag's-horn-leaved rhubarb. It is simply R. palmatum with the leafage much depauperated.

Seedlings vary a good deal in the coloring of their flowers, some are greenish, others cream-tinted, while many are pink. One or two seedlings may also show ruddy leaf coloring in the younger stages. The flower stems are comparatively slender, and are exceedingly tough, supporting verticils of erect-habited flower clusters that recall cimicifuga or astilbe. I have seen these rheums thriving in the coldest parts of Britain and in practically all kinds of soils. Provided they can have wind shelter and liberal feeding if the nature of the soil demands it, they will be found of great aid to the landscape gardener everywhere, for in them he will find plants that can take care of themselves, and which are ornamental throughout the growing season. —G. B. Mallet in Gardeners' Magazine.

AZALEAS (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Coniters, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Jacs Smits, Ltd. NAARDEN, (Holland.)
Price list free on demand.

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Send for one. Low prices. Fine stock.
PETERSON NURSERY,
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On the way to the Milwaukee Convention you should travel from Chicago via the beautiful north shore route of ***The North-Western Line,*** and thus have an opportunity to enjoy the beauty of a magnificent chain of Chicago's suburbs, with glimpses of splendid landscape gardening and a trip along the shore of beautiful Lake Michigan. Twenty-one trains a day between the two cities.

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OAKS and MAPLES.
PINES and HEMLOCKS.
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PAINESVILLE NURSERIES.
CATALOGUES AND PRICE LISTS FREE ON APPLICATION.....
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ARBOR VITÆ
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A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.
THE WM. H. MOON CO.,
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BOBBINK & ATKINS,
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Bay Trees, Palms, Buxus, Azalea Indica, Rhododendrons, Evergreens, Herbaceous Plants, Roses, Trained Fruit Trees, Greenhouse Grape Vines. **Ask for catalogue.**

DES MOINES, IA.—The Guthrie-Lorenz Co. has been reincorporated and the capital stock increased from $3,000 to $100,000. Many other departments have been added besides the florists'.

CANNAS

Started Plants in 3½ and 4-inch Pots. Ready for Immediate Planting.

Mme. Nardy, Mlle. Berat, Robert Christie, Golden King, Pennsylvania, L. Patry, Florence Vaughan, Pandora, Austria, Rohallion, Pierson's Premier, Queen Charlotte, Frederic Benary, etc, **extra strong plants, $6.00 per 100.**

Vincas and English Ivies.

Extra fine plants in 3½ and 4-in. pots, for vases, tubs, etc., $8.00 per 100; extra size, $10.00 per 100.

Hydrangea Otaksa

Large Plants in Tubs and Half Barrels for July and August Flowering. We make a specialty of these, and have a magnificent lot of large plants, which we can supply in any quantity, from single plants up to carload lots. Large plants in tubs, $2.00 and $3.00 each; extra large plants in half-barrels, $5.00 and $7.50 each.

	Per dozen	Per 100
Nasturtiums, bushy plants, 3-in. pots		$6 00
Salvias, Bonfire, 2½-in. pots		4 00
Ageratum, 2½-in. pots		3 00
Moon Flowers, 2½in. pots		6 00
Coleus, assorted, 2½-in. pots		3 00
Alyssum, Tom Thumb, 2½-in. pots		3 00
Crotons for bedding, extra strong plants, 3½-in. pots		25 00
5-in. pots		50 00
Acalypha Musaica, extra choice, for bedding, 2½-in. pots		6 00
Pandanus Veitchii, 5-in. pots	$9 00	
6-in. pots	12 00	
Large plants, $2 00 to $3 50 each, according to size.		

	Per dozen	Per 100
Ficus Elastica, 5-in. pots	$4 00	
6-in. pots	6 00	
Dracena Fragrans, extra large plants, 6-in. pots, 3 ft. high	12 00	
Ferns, assorted, extra heavy plants, 2¼-in. pots		$ 3 00
3½-in. pots, extra heavy		10 00
Nephrolepis Piersoni Elegantissima, 2¼-in. pots		6 00
3½-in. pots		15 00
6-in. pots	$6 00 per dozen; 8-in. pots 12 00	
Boxwood. Pyramids, extra fine plants, $2 00 and $3 00 each		
Pansies, English Daisies and **Forget-me-nots**		3 00
Carnations, Winsor and White Enchantress. We can supply these in quantity, ready for immediate planting. Strong established plants from 2¼-in. pots	$60 00 per 1000	7 50

F. R. PIERSON CO., Tarrytown-on-Hudson, New York.

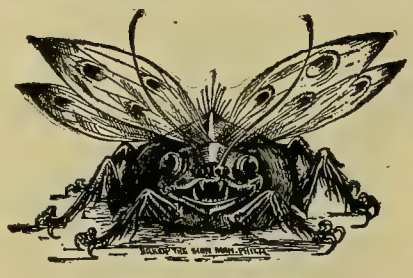
Nashville, Tenn.

TRADE GOOD.

The floral trade for the past few weeks in this city has been excellent. Following close upon each other were the funerals of several prominent citizens which exhausted the entire flower supply at the time. Two prominent physicians, brothers, Doctors Thomas L. and J. W. Maddin died within one week of each other. Both had practiced for many decades in this city and the floral tributes testified to the esteem and love in which they were held by the community. The flower supply has been good. The Ladies' Hermitage Association created quite a sensation by putting on sale on the streets wagon loads of peonies, which the ladies themselves handled. The blossoms were of the greatest perfection. They were cut from plants which had been allowed to grow undisturbed for more than 50 years at the Hermitage, strong, vigorous plants producing large handsome blossoms. From the Hermitage gardens also are obtained quantities of candidum lilies, which like the peonies have been undisturbed for years. The commencement season is on with us and this with the Decoration day creates a brisk demand for flowers. We have two Decoration days in this part of the country. The national Decoration day of May 30 being followed by the confederate Decoration day, June 3, which is the birthday of Jefferson Davis. For both of these occasions the outdoor supply of flowers is used, or contributions made from private gardens. There has been a very abundant supply of all kinds of outdoor flowers, the season being particularly favorable to them. Besides the usual supply of flowers in the floral stores sweet peas and gladioli are now in the market in great profusion. The growers have put out all their garden plants and have had a good season on it. All growers are now preparing for the long hot summer season which will soon be upon us, and the greatest activity is shown in all the different establishments.

M. C. D.

MINNEAPOLIS, MINN.—School gardens, to be planted and cared for by the children, are practically assured, at least in some sections of the city. This is in line with the campaign begun some time ago by the Nature Study and other clubs of the city. Theodore Wirth, superintendent of parks, is an advocate of the social garden plan and has offered to assist and to give suggestions to any who wish them.



Everybody Talks About It!

LIKE THE BEE

A Prosperous Florist Is Never Idle.

So is **GODFREY ASCHMANN,** the Philadelphia Hustler.

An immense stock of bedding plants is now ready. Every hole and corner full for immediate shipment.

GERANIUMS.

S. A. Nutt, John Doyle and some pink, 4 in. pots, $7.00 per 100; and mixed varieties.

Begonia Vernon, newest strain, flowers as dark as blood: seeds gathered by myself from specimen plants in Zurich, Switzerland, during my trip to Europe; 4-in. pots, $7.00 per 100; 3-in., $5.00 per 100.

Begonia Erfordi, true: this is one of the best pink varieties known: it is a sight to see a bed of them in bloom; nothing but a mass of flowers. This plant decorates the flower beds of aristocratic people in England Germany, Switzerland and Paris. Price: 4-in., $7.00 per 100; 3-in., $5.00 per 100.

	Per 100
Nasturtiums, dwarf, all shades, 3-in. pots	$3.00
Heliotropes, 3-in. pots	4.00
Fuchsias, best varieties, 4-in. pots	7.00
Fuchsias, best assortment, 2½ to 3 in., in bud	3.00
Cosmos Grandiflora, white, red or pink, 3 plants in a 3 in. pot	4.00
Cannas, French best varieties, about 12 different, distinct varieties by name, 4-in. pots	$7.00 to 8.00
Cobea Scandens, nicely staked up, 4 in.	8c
Petunias, California Giant, 3-in. pots	3.00
Inimitable or dwarf, 2½-in	3.00
Verbenas, all shades 2½-in	3 00
Phlox Drummondi, 2½ to 3-in., Grandiflora varieties	3.00
English or Hardy Ivy, 3 feet high, 4-in.	10c
Centaurea Gymnocarpa or Dusty Miller, 2½-in	3.00
Lobelia, dwarf or trailing, 2½in. (Crystal Palace)	3.00
Sweet Alyssum, Carpet of Snow or Little Gem, 2½-in.	3.00
Torenia Fournieri, 2½-in. pots	3c
Salleroi Geraniums, for borders, strong plants	4.00
Summer Chrysanthemums, 3-in. pots	4.00
Ageratum, dwarf, best blue, 3 in.	4.00

Clematis, the true Jackmani, 6-in. pots, 3 feet, 35c to 40c.

Scarlet Sage or **Salvia,** Clara Bedman or Bonfire. Ours is the true genuine variety so much admired in all the capitals of Europe and America. Deep red medium tall varieties; free bloomers. Seeds of these famous varieties were gathered by myself in Zurich, Switzerland, the home of the Salvias. Price: 4-in., $7.00 per 100. Have 5,000 of these to offer.

Don't Forget We Lead the World in

MOONVINES.

Watch and be careful you don't buy Morning Glories for Moonvines.

We grow only the best varieties, hybrid or **Ipomoea Noctiflora,** for which we have had, for the past 20 years, a world-wide reputation. We ship every season, May and June, 20,000 to 25,000 plants into every state and territory in America, and in Cuba and Mexico. This Moonvine is much earlier than any other variety in existence; blooms freely, with very fragrant, pure white waxy flowers, and as large as a saucer. Price: 4-in. pots, nicely staked up, 30 to 36 inches high, $12.00 per 100; 2½-in. pots, $5 00 per 100.

Kentia Belmoreana, 5¼ to 5½-in. pots, 22-25-27 in. high, 50c to 75c; 4-in. 20 to 22 in. high, 35c to 40c. **Forsteriana,** 5 to 5½ in., 50c to 75c. Just received, per steamer Manitou, a consignment of larger **Kentia Forsteriana;** price, $1,00, $1,25, $2.00 to $2.50 each.

Araucaria Excelsa Glauca, spring importation, 1907: have only specimen plants left, 7-in. pots, 6 years old, 5 tiers, 25, 30 35 to 40 in. high, the same in width. $1.50, $1.75, $2.00 $2.50, $3.00 to $4.00 each. **Robusta Compacta,** $1.25 to $1.50 each.

Have just received from steamer, May 1, from Antwerp a big consignment of about 5,000 **Araucaria Excelsa,** of all sizes. Plants with 3 tiers, 8 to 10 in. high, 40c; 10, 12 to 14 in., 50c; larger sizes, 60c to 75c.

Bay Trees, just received, per steamer Manitou, 6 ft. high from top of tub, 30-in. crowns, $12.00 per pair.

All goods must travel at purchaser's risk only. Cash with order, please.

GODFREY ASCHMANN, 1012 W. Ontario St., Philadelphia

Importer, Wholesale Grower and Shipper of Pot Plants.

PRINCETON, ILL.—The Trimble Greenhouses have started work on the erection of another greenhouse larger than the two now being used.

DE KALB, ILL.—J. L. Johnson has bought the Haish greenhouses and they will be removed to his place off East Main street at once.

Plants from 2½-in. Pots at $3.00 per 100

Asparagus Sprengeri, dwarf Alyssum, Ageratums, Princess Pauline, Inimitable, Blue Perfection, Bouvardia Humboldtii, Feverfew Little Gem, Gazania Splendens, Cupheas, double Petunias, Lobelia Emperor William, variegated Ice-plant, variegated Glechoma, Salvias, Zurich, Bonfire, Rosemary, variegated Periwinkle: Moschosma riparium, Impatiens Sultani and Holstii, Swainsona alba, white Moonflower Forget-me-not, Saxifraga sarmentosa, Parlor Ivy, Ferns, Euonymus radicans, White Snapdragon.

Plants from 3-in. Pots, strong at **$4.00 per 100.** Fuchsias, in bud and bloom, 4 varieties,, Geraniums, best commercial varieties, Heliotrope, dark blue, Gazania splendens, Rose and Peppermint Geraniums, Moonvine, the true white large flowering.

Summer flowering Forget-me-nots and Hardy pinks, assorted colors in bud and bloom $4.00 per 100.

Seedlings from Flats $1.00 per 100. Asparagus Sprengeri, Dracaena Indivisa.

Clematis, large flowering varieties, 2-year-old plants, red, purple and white, $3.00 per dozen. Clematis paniculata, 3-in. pots, $5.00 per 100. Clematis Montana, grdfl., 4-in. pots $1.50 per doz.

Honeysuckle, Halleana and Red Trumpet, strong plants, $1.50 per dozen, $10.00 per 100.

Ampelopsis Veitchii, 4-in. pots, 2-year-old plants, $1.50 per dozen, $10.00 per 100; 3-in. pots, $5.00 per 100.

Ivy, hardy English, 4-in. pots, $1.50 per dozen $10.00 per 100.

Cash with order please.

C. EISELE, 11th and Westmoreland Sts PHILADELPHIA, PA.

FINE STOCK.

Deflexus....$3.50 to $ 7.00 per 100
Sprengeri..... 15.00 per 1000
Smilax..... 15.00 per 1000

Sample plants 10c each.

Geraniums, Nutt, Perkins, Poitevine, Castellane, Ricard at $10.00 per 1000 rooted cuttings.

ALBERT M. HERR,
LANCASTER, - PA.

Surplus BUT No. 1 Stock Cheap.

3000 Geraniums, 4-in., 6c.; 1000 Coleus, 2-in. $1.75 per 100; 500 Achyranthes, 2-in. $1.75 per 100; 1500 Vinca Variegata, 2-in. $1.75 per 100; 500 dbl. Petunia, 4-in. in bloom, 5c.; 1000 Begonia Vernon, 2-in $1.75 per 100; 500 Salvia, 2-in. 2c.; 500 Centaurea Gymnocarpa, $1.50 per 100; 1000 Impatens Sultanii, 4-in. 4c.; 1000 Ageratum, Stella Gurney 2-in. 2c.

KEENEY'S GREENHOUSES,
Monongahela, Pa.

European Horticulture.

FROM THE BRITISH TRADE PAPERS.

A GOOD RHUBARB.—In Covent Garden, Dawe's Champion rhubarb was selling freely at top rates, 3s. per doz. bundles in May. In conversation with W. Poupart, of Twickenham, he speaks very highly of it from the growers' side of the question. The stalks are long, of good dark color, freely produced, and early. Competition, and keen competition, too, is the order of the day, and the above rhubarb is without doubt a leader.

GOLDEN-LEAVED MOCK ORANGE.—This variety of the common mock orange (Philadelphus coronarius) is less in stature than the ordinary form, but its main distinctive feature is that the leaves, when they are first expanded, are of a pleasing shade of soft yellow, which, seen in a mass, is very effective. As the summer advances the leaves gradually become greener, till in color they nearly approach the ordinary form. It is, therefore, evident that it should only be employed where a spring rather than a summer display is desired. The golden-leaved variety of Spiræa opulifolia behaves in a similar manner.

HYDRANGEAS

Fine plants, well flowered, good value in each size from 25c to $4.00 each.

ARAUCARIAS.

We have a specially fine lot of Araucarias—the plants at $1.00 each are extra value for the money.

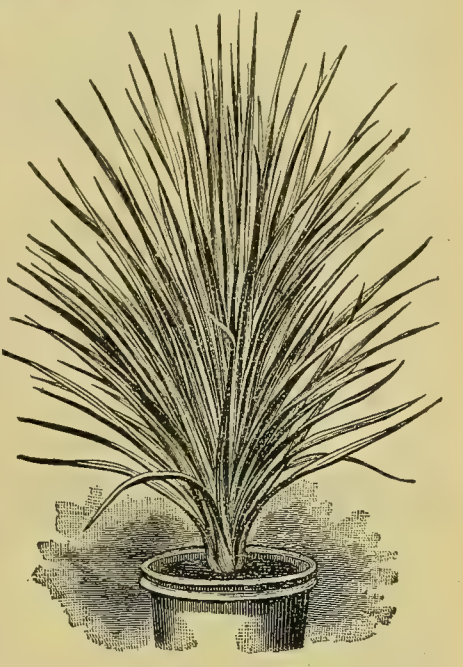
4-inch.....50 cents each
5 " .....75 " "
6 " .....$1.00 each

KENTIAS

	Each.	Doz.
Kentia Belmoreana, 6-inch	$1 50	$18 00
" 7-inch	1 75	21 00
" 8-inch	2 50	30 00
" 8-inch strong	4 00	48 00
" 9-inch	6 00	
Kentia Forsteriana, 7-inch	2 50	30 00
" 8-inch	3 00	36 00
" 8-inch strong	5 00	60 00
" 9-inch	6 00	72 00
Made-up Kentia Forsteriana	6 00	72 00

Phoenix Canariensis

Fine for vases or out-door decoration, in small tubs, $2.50 each.



ROSES.

Brides, 3-in. pots	3c
Maids, 3-in. pots	3c
Chatenay, 3-in. pots	3c
Baby Ramblers, 3-in. pots	6c
Uncle John, 1-year-old, in bloom, 6-in	15c
Chatenay, 1-year-old, in bloom, 6-in	15c
Hardy hybrid perpetuals, $15 per 100; $2 per doz.	

ROSES IN POTS AND OUTDOOR.

Prairie Queen, 3 to 5 feet, 15 to 35c each. Per 100
Ramblers, Crimson, 2 feet, 15c.
" Baby, 3½-inch pots.....$ 6.00
Sweet Brier, 2 to 3 feet, 10c to 25c each.
1 Lot Hybrid Perpetual, 5-inch, asst. varieties, pot grown 15.00

COBŒA SCANDENS

$8.00 per 100.

	Per doz.	Per 100
Asparagus Plumosus, 3-inch	.75	$ 6.00
" Sprengeri, 4-inch	1.25	10.00

Cycas Revoluta.

4-inch .....25 cents each
5 " .....35 " "
6 " .....50 " "
7 " .....75c to $1.00 each
8 " .....$1.25 to $1.50 "

If we do not confine ourselves to the exact size of pot specified, we shall see that stock of good value for the money is sent on every order.

DRACÆNA INDIVISA.

This most useful plant is always in great demand in spring. Better secure your stock now. Fine plants in the following sizes and prices:

			Per doz	Per 100
Dracaena	Indivisa,	4-in.	$ 2.00	$12.00
"	"	5-inch	3.00	20.00

Perennials in pots.

Coreopsis lanceolata, 5-in.	10c
Campanula in variety, 5-in.	12c
Campanula in variety, 6-in.	15c
Campanula in variety, bud and bloom, 6-in	35c
Sweet William, 5-in.	12c
Lychnis C., 3½-in.	5c
Ampelopsis Veitchii, 2-in.,	$2.50 per 100

	Doz.	100
3-in. Perennials for pots	75c	$5.00
Sweet William, 4-in.	75c	5.00
Garden pinks, 4-in.	85c	6.00
Myosotis Forget-me-not	60c	4.00
Lychnis Chalcedonica, 3-in.	85c	6.00
Foxglove, 3-in.	85c	6.00
Achillea [Ptarmica (2)], 3-in.	75c	5.00
Pentstemon Hybrids		
Canterbury bell, 4-in.	85c	6.00

THE GEO. WITTBOLD CO., 1657 Buckingham Place, CHICAGO.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World.

SANDER, St. Albans, England.

NEW YORK OFFICE: Room 1, 235 Broadway. **T. MELLSTROM,** Agent.

ORCHIDS.

ARRIVED in fine condition, a fine importation of C. Trianæ, C. Labiata, C. Schroederæ, C. Gigas Sanderiana, C. Harirsoniæ, C. Citrina, Lælia Anceps, Oncidium Varicosum Rogersii, Onc. Ornithorhynchum, Onc. Tigrinum, Odontoglossum, Insleayi, O. Rossii Majus.

We carry Orchid Peat, Sphagnum Moss, Baskets, etc.

CARRILLO & BALDWIN, Secaucus, N. J.

..10,000 GERANIUMS..

S. A. Nutt, Jean Viaud, La Favorite, Trego and other standard varieties. Fine cool grown stock.

In bud or bloom, 3-in.	per 100,	$ 6 00
" " 4-in.	"	8 00
Vincas, varieg'td and plain green, 2-in	"	3 00
" 3-in. strong	"	10 00
" 3-in. extra strong and heavy	"	12 00

I. N KRAMER & SON, CEDAR RAPIDS IOWA.

FOR SALE.

10,000 ALTERNANTHERAS, red and yellow out of 2-inch pots

G. T. HINER, Flemington, N. J.

ORCHIDS.

We advise the Growers and Private Places that our Importations will begin to arrive in a few weeks time and we will have the following: C. gigas, C. gigas Sanderiana, C. Mendelii, C. Schroederae, C. Trianae, C. Gaskelliana, C. Percivaliana C. aurea. Miltonia vexillaria, C. Mossiae. C. speciosissima, C. labiata and others. We guarantee that our plants will be extra fine with no disease or Cattleya fly and will quote the Lowest Prices in America.

ORDONEZ BROS., MADISON, N. J.

Orchids!

Arrived in excellent condition: Cattleya Trianæ. C. labiata, C. Mossiæ, Oncidium varicosum, Vanda cœrulea, Dendrobium formosum and D. Dalhousianum.

Lager & Hurrell, Summit, N. J.

PROTECTS BUYERS.

AMERICAN FLORIST Co :- I buy a good many plants and always expect just what I order when I buy of advertisers in the AMERICAN FLORIST.

D. H. STEDMAN.

Glouster, O., May 11, 1908.

OWN ROOT
SUMMER GROWN
ONE YEAR OLD.

$2.50 per 100
Baby Rambler
Clothilde Soupert
Dorothy Perkins
Mme. A. Chatenay

$2.75 per 100
Hermosa
Maman Cochet
Malmaison
Etoile de Lyon
Helen Gould
Lady Gay
M. Neil
Notting
Meteor
White Maman
Albany
La France

ROSE PLANTS

$3.00 per 100
Mme. C. Wood
P. C. de Rohan
Mme Plantier
Genl. Jacq.
Black Prince
Mme. Masson
Kaiserin
Paul Neyron

$3.50 per 100
Capt. Christy
Magna Charta
Etoile de France
Mme. J. Guillemot
Mrs J. Laing
Helen Good
Killarney
$5.00 per 100
J. B. Clark
Druschki
$8.00 per 100

C. M. NIUFFER, Springfield, O.

CARNATIONS

From Po's. Healthy stock.

	Per 100	1000
Winsor, White Enchantress	$7.00	$60 00
Helen M. Gould	6.00	50.00
Melody, Kingston Pet.	5.00	
Daheim, Estelle Enchantress, Lady Bountiful, Red Lawson, Variegated and White Lawson	4.00	35.00
Mrs. T. W. Lawson, Boston Market, Harlowarden	3.00	25 00

Send for Catalogue.

WOOD BROTHERS
FISHKILL, N. Y.

Afterglow
Strong Rooted Cuttings now ready,
$12.00 per 100; $100 per 1000.
R. WITTERSTAETTER,
(Originator)
Station F. CINCINNATI, O.

Jensen & Dekema
CARNATION SPECIALISTS
674 W. Foster Ave., CHICAGO.

Stem Rot in Herbaceous Plants.

A serious soil fungus was found last fall in a New Haven nursery doing considerable injury to a variety of herbaceous plants, especially to Valeriana officinalis and Pentstemon barbatus. The mycelium attacks the parts of the plant at or near the surface of the ground, frequently rotting off the stems. In the fall it forms subspherical reddish sclerotia both in the tissues and in the soil nearby. Pure cultures were obtained, says the report of the Connecticut Agricultural Experiment Station, and while the fungus grows luxuriantly, it has never produced a true spore stage. The sclerotia form as swellings at the tips of clustered threads, and are at first whitish, but soon turn reddish-brown on the outside. Their size depends somewhat on the character of the medium used in the cultures. In artificial cultures made from the sclerotia these give rise to similar sclerotia, but what they will produce in the soil has not yet been determined. According to Professor Thaxter, they are probably the sclerotia of some hymenomycetous fungus.

Rose Plants
From 2½-inch Pots.

	Per 100	Per 1000
Bride	$2.50	$22.50
Bridesmaid	2.50	22.50
Uncle John	2.50	22.50
Ivory	2.50	22.50
Chatenay	2.50	22.50
Sunrise	4.00	35.00
Perle	4.00	35.00
Kate Moulton	4.00	35.00
Richmond	3.00	25.00
Killarney	5.00	40.00

Bench Plants

	Per 100	1000
Richmond	$4.00	$35.00
American Beauty	6.00	50.00

PETER REINBERG
51 Wabash Ave., CHICAGO.

ROSES. ROSES.

Mrs. Potter Palmer 2½- in. strong, $15.00 per 100; $125.00 per 1000; 2000 or more $115.00 per 1000. 3½-in. $18.00 per 100; $150.00 per 1000.

Cardinal 2½-inch $6.00 per 100: $55.00 per 1000. 3½-inch $8.00 per 100: $75.00 per 1000.

Maids, Richmond, Sunrise, Uncle John, 2½-in. strong stuff, $4.50 per 100; $40.00 per 1000.
3½-in. Maids, Kaiserin, ready May 20th, $6.50 per 100; $60.00 per 1000.
Benched Beauties, cut back, $6.50 per 100; $55.00 per 1000.

Chrysanthemums, best list of commercial varieties. See classified ad. page 914.
Snapdragon, Pink and yellow, clear colors, 2½-in. $4.00.
6-in. **Plumosus** $20.00 per 100

POEHLMANN BROS. CO., Morton Grove, Ill.

Grafted Roses for Forcing

BRIDE, KAISERIN, RICHMOND, BRIDESMAID, KILLARNEY, WELLESLEY } $10.00 per 100 $100.00 per 1000

JACKSON & PERKINS CO.
Wholesale Florists and Nurserymen. Newark, Wayne Co., N. Y.

A. F. LONGREN
Rooted cuttings and plants of
CARNATIONS and CHRYSANTHEMUMS
—MY SPECIALTY—
Des Plaines, - Illinois.

JOHN E. HAINES,
BETHLEHEM, PA.,
is the place to order rooted cuttings of the following varieties for 1908.

	Per 100	Per 1000
John E. Haines, red	$6.00	$50.00
Imperial, variegated	6.00	50.00
Pink, Pink	6.00	50.00
Enchantress, Light pink	6.00	50.00

ROSES
A SPECIALTY.
The Dingee & Conard Co.,
WEST GROVE, PA.

Roses...
Good strong 3-year-old Bench Plants, 2,000 MAIDS, 2,000 BRIDES. $5.00 per 100; $45.00 per 1000. Ready to ship about June 15.
LAMBORN FLORAL CO.,
ALLIANCE, OHIO.

Chrysanthemums

FOR EVERY PURPOSE.

A partial list with prices appeared in previous issue.

ELMER D. SMITH & CO.,
Successors to Nathan Smith & Son,
ADRIAN, MICH.

Chrysanthemums

3,000 Appleton, 500 each of T. Eaton, Yellow Eaton, Monrovia, W Duckham, Cheltoni Pacific, Nellie Pockett, F. A. Cobbold, 1000 Mrs. W. Duckham, 500 Garza, now ready, in 2¼ in. pots, $3.00 per 100, $20.00 per 1000.

Many other kinds in smaller quantity.

CHARLES H. TOTTY,
Madison, N. J.

FOR THE TRADE. Per 100

Chrysanthemums 20 good com. varieties. 2¼-inch according to variety 2.00 3 00
Cannas 10 good French varieties, moss-rooted............ 5.00
Vinca, variegated and green 4 in. 10.00; 3 in. 5.00
Cobeas, 3-inch 5.00
Coleus, about 15 best bedding varieties 3- and 2-inch........ $3.00 2.00
Salvias, Ragueneau St. Louis, Bonfire 3- and 2½-in. $5.00 3.00
Smilax 3- and 2 in........$3 00 2 00
Alyssum, 2-in........ 2.00
Ageratum dwarf blue, 2½-in........ 3.00
Verbenas 2½ and 2 in. in bloom......$3.00 2.00
German Ivy, 2½-in........ 2 50

SCHMAIZL & HEMBREIKER,
West End Greenhouses. Lincoln, Ill.

ROSES. STRONG, CLEAN STOCK.

Grafted Killarney, Richmond, Brides, and Maids $12.00 per 100; $110.00 per 1000. Own-root Brides Maids, Gates, Ivory, Perle, Killarney and Richmond $6.00 per 100; $55.00 per 1000.
All from 3½-in pots.

P. R. QUINLAN, SYRACUSE, N. Y.

ROSES. We have the following extra fine stock to offer:

3-in.		2½-in.	3-in.		2½-in.
600	Ivory		500	Kaiserin	
200	Gate	100	675	Bridesmaid	1500
175	Chatenay	275		Carnot	150
1000	Richmond	1000		Beauty	400
1000	Killarney			La France	200
1600	Bride	750			

GEO. A. KUHL, Pekin, Ill.

European Horticulture.

FROM THE FRENCH TRADE PAPERS.

RECENT EXPERIMENT WITH CHRYSANTHEMUMS.—E. Poiret showed last season at a French exposition some chrysanthemums showing the successful use of the annular incision. This operation, which is often practiced in grape culture, consists in cutting a ring about the stem of the branch experimented upon, one or two inches from its base, and 15 or 20 days after disbudding. This incision is said to advance the blooming period 15 to 20 days, and to increase the size of the bloom, as was shown by experiments on various branches of the same plant. Incisions were also made near the base of the plant, from which rootlets appeared after about a month; these new roots, covered with soil, were useful in adding new vigor to the plant. Needless to say that these incisions weaken the stems, which must be carefully supported afterward.

ANOTHER CHRYSANTHEMUM JOURNAL.—The French Association chrysanthemum growers have undertaken the publication of a monthly review devoted to the interests of their specialty.

GRAFTED ROSES.—Novelties.
Mrs. Jardine, Rhea Reid, Queen Beatrice.
The above, $6.00 per doz., 50 plants for $18.00 $35.00 per 100.
MY MARYLAND, 50c each, $5.00 per doz., $35.00 per 100.
On own roots, 2½-in. pots, $25.00 per 100, $2.00 per 10, 3-in. $5.00 per doz.

STANDARD VARIETIES.
Aurora, Bon Silene, Bride, Bridesmaid, Enchanter, Etoile de France, Franz Deegan, General McArthur, Hermosa, Kaiserin Augusta Victoria, Kate Moulton, Killarney, La Detroit, Maman Cochet, Marechel Niel, Mme. Abel Chatenay, Mme. Hoste, Mrs. Pierpont Morgan, Papa Gontier, Rosalind Orr, English, Souv. de Wooton, Wellesley, White Cochet.
GRAFTED, 2¼-inch pots, 20c each, $2.00 per doz. $15.00 per 100, $120.00 per 1000.

OWN ROOT ROSES.
From 2½-inch pots, repotted from 2-inch.
Killarney, Bride, Bridesmaid, Ivory, Richmond, Mme. Abel Chatenay, Aurora, $1.00 per doz. $6.00 per 100, $50.00 per 1000.
From 2-inch pots ready for shipment, $3.50 per 100, $30.00 per 1000.

MISCELLANEOUS PLANTS.
AGERATUM, Stella Gurney, Princess Pauline.
HELIOTROPE.
Rooted cuttings 75c per 100, $6.00 per 1000.

COLEUS.
Verschaffeltii, Golden Queen, Fire Brand, Lord Palmerston, Queen Victoria, Beckwith's Gem. Prices of rooted cuttings by express, 60c per 100; $5.00 per 1000. Less than 250 of a variety will be charged at the 100 rate.
Golden Bedder, Hero, Messey, Pearl of Orange, 75c per 100, $6.00 per 1000. Less than 250 of a variety will be charged at the 100 rate.
Fancy varieties, a very fine assortment of twelve kinds not listed above; 75c per 100, $6.00 per 1000. 50, in assortment, our selection, at the 1000 rate.

Asparagus Plumosus Nanus Seedlings
From flats, $10.00 per 1000.

CHRYSANTHEMUMS.
Ready for Shipment.
Virginia Poehlman, Angele Laurent, Golden Dome, Mlle. Jeanne Rosette, Money Maker from 2¼-in. pots, $2.00 per doz. $10.00 per 100.
Mrs. Clay Frick, Zimmers Yellow, Mary Mann, from 2¼-in. pots, $1.00 per doz., $6.00 per 100.
Rooted cuttings, $5.00 per 100.
CHOICE POMPONS, Klondyke, Quinola.
CHOICE SINGLE VARIETIES, Kitty Bourne, Mrs. Roberts, Amorita, from 2¼-in. pots, $1.00 per doz.

STANDARD VARIETIES
WHITE—Early; Geo S. Kalb, Polly Rose, Early Snow, October Frost. Mid-Season: Clementine Touset, White Shaw, Mrs. H. Robinson, Beatrice May Merza, Niveus, Alice Byron, Eureka, Miss Minnie Wanamaker, Adelia. Late: Mrs. McArthur, Timothy Eaton, W. H. Chadwick, Merry Christmas.
PINK—Early; Glory of the Pacific, Rosiere, Mid-Season; J. K. Shaw, Adelia, A. J. Balfour, William H. Duckham, Dr. Enguehard, Morton F. Plant. Late: Maud Dean, The Harriott, Mayor Weaver, Mrs James Marshall.
YELLOW—Early: Monrovia. Mid-Season: G. Pitcher, Col. D. Appleton. Late: Major Bonnaffon, H. W. Reiman, Yellow Eaton.
RED—Cullingfordi, Merstham Red, Matchless.
BRONZE YELLOW—Mrs. William Duckham, Old Gold.
POMPONS—Baby (Yellow), Lulu (White), Briolas (Pink).
From 2¼-in. pots, 5c each, 50c per dozen, $3.00. per 100, $25.00 per 1000. Rooted cuttings, $.200 per 100, $15.00 per 1000.

SMITH'S NOVELTIES FOR 1908.
Golden Glow, Pacific Supreme, White Cloud, 2¼-in. pots, $5.00 per dozen. Ready for shipment.

A. N. PIERSON, Inc., Cromwell Conn.

60,000 Grafted Roses

Per 100
Chatenay, Killarney, Richmond, Liberty, La France, 3½-in. pots....$18.00
Bride, Bridesmaid, Golden Gate, Kaiserin, 3½-in. pots........ 15.00

OWN ROOT ROSES.

Bride, Bridesmaid, Killarney, Richmond, Chatenay,
3-inch pots, $7.00 and $9.00 per 100.

50,000 VERBENAS.

In bud and bloom........$2.50 per 100; $20.00 per 1000
Good varieties of **COLEUS** at Verbena prices.

J. L. DILLON, Bloomsburg, Pa.

ROSES AND VINCAS

See column adv. page 959, May 30.
400 sorts 2½ and 4-inch.

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ROBERT CRAIG CO.

WELL GROWN YOUNG ROSES
and Novelties in Decorative Plants.
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CHRYSANTHEMUM MANUAL.

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NEW AND REVISED EDITION.
Price 40 Cents. Cash with order.

AMERICAN FLORIST CO.
324 Dearborn St., CHICAGO.

Now is the time to place your orders for

Begonia Gloire de Lorraine, Cyclamen and Poinsettias.

I am well equipped to supply the above in any quantity at the following prices:

Begonia Gloire de Lorraine, 2½ in. pots (leaf cuttings), **$15** per 100; **$140** per 1000.

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Poinsettias, 2½ in., **$5** per 100; **$45** per 1000.

Satisfaction guaranteed.

S. S. SKIDELSKY
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Swainsona alba, 2-in. 2c. **Heliotrope,** 2 in., 2c. **Coleus,** 2-in 2c **Feverfew,** 2-in 2c. 2-in. **Stock,** 2c. Stock **Princess Alice, Cuphea, Alternanthera,** red and yellow. **Vinca Variegata, Artillery Plant,** 2-in. 2c **Ivy Geraniums,** 2-in. 2½c. **Rose Geraniums,** 2 in , 1½c. **Thunbergia,** 2-in., 1½c. **Dbl. Petunia,** 2 in., 2c, **Stevia,** dwarf, 2-in. 2c. **Sweet Alyssum,** dwf., single 2-in., 1½c. **Geraniums,** 2-in., 2c, **Shasta Daisy,** 2 kinds, 2½-in., 3c.

Rooted Cuttings prepaid per 100: **Flowering Begonias,** $1.25 per 100; **Paris Daisies,** yellow and white, $1.00 per 100; Alexandra $1.25. **Petunia,** double, 10 kinds $1.00; **Swainsona Alba,** $1.00. **Cuphea,** 75c. **Vinca Variegata,** 90c. **Alternanthera,** 3 kinds, 50c. **Coleus,** 10 kinds; **Ageratum,** White, Inimitable, 60c. **Salvia,** Bonfire, 90c. Cash or C. O. D.

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Dracæna Indivisa,

Fine stock for Hanging Baskets.

Strong plants from 3-in. pots, $5.00 per 100; $45.00 per 1000; 250 at 1000 rate.

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Large, spread-out plants, in bud aud bloom, 8 varieties, 3½-in., $4.00; 3-in., $3.00 per 100; not in bloom, $3.50 and $2.50 per 100.

5,000 Coleus, 12 varieties, strong 2-in., $1.50; 3-in., $2.50 per 100; $14.00 and $20.00 per 1000.

Salvias, 3-in., $2.50 per 100. **Cannas,** yellow and red, 3-in., $3.50 per 100. **Begonia Vernon,** in bloom, 4-in., $5.00 per 100. Cash.

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HARDY PHLOX.

ROOTED CUTTINGS.

Rose pink, white eye, best of all the varieties: a good white and a good purple, $1.25 per 100; $10.00 per 1000.

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Surplus List.

	Per 100
Asparagus Plumosus, 2-in	$3 00
" " 2½-in	4 00
" Sprengeri, 2½-in	3 00
Ageratum, Little Blue Star	3 00
Achyranthes, 2 kinds, 2½-in	3 00
Begonia Gloire de Sceaux, 2½-in	10 00
" Fairy Queen, 2½-in.	4 00
" Vernon, 2½-in	4 00
Chrysanthemums, large stock; send for list.	
Coleus, John and Anna Pfister, 2-in	3 00
Castor Bean, tall bronze and dwarf green, 2½-in	4 00
Centaurea Gymnocarpa, 2-in	3 00
Cobea Scandens, 2-in	4 00
" " 3-in	7 00
" " 4-in	10 00
Cyclamen, Vaughan's Giant-Flowering, 2½-in	4 00
Cannas, strong pot plants; send for list.	
Dahlias, strong pot plants, named, in all the best sorts, both cactus and large flowering	6 00
Dracena Indivisa, strong 7-in per doz., $6 00	
Geraniums, ivy-leaved, asst. kinds, 2½-in	$4.00
" Little Pink, Sycamore, Beaute Poitevine, Single and Dbl. White, 2½-in.	4 00
4-in	8 00
Moonvines, white, 2½-in	4 00
Kenilworth Ivy, 2½-in.	2 00
English Ivy, 4-in., long vines	10 00
German Ivy, 2½-in., long vines.	3 00
Lobelia Speciosa and Bedding Queen, 2-in.	2 50
" New Dbl. Kathleen Mallard, 3-in.	8 00
Latania Borbonica, 2½-in	4 00
" " 3-in	7 00
Phlox, Hardy, named kinds, 2-in. pots	4 00
Primula Obconica, 2-in	3 00
Solanum Capsicastrum, 2½-in	4 00
Salvias, 2½-in	4 00
3-in	6 00
Smilax, myrtle leaf, 3-in	5 00
" large leaf, 2-in.	2 00
Sage, Holt's Mammoth, 2-in.	2 50
Santolina, 2-in.	3 00
Thunbergia, 2½-in.	3 00
Petunias, finest double sorts, 2½-in	4 00
Pelargoniums, named kinds, 4-in. pots	15 00

Vaughan's Seed Store, **84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.**

Greenhouses and Nurseries: Western Springs, Ill.

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COCOS WEDDELLIANA.

	Each	Doz.
2½-in. pot, 8 to 10 in. high	.10	
2½-in. pot, 10 to 12 in. high	.15	

KENTIA BELMOREANA

	Each	Doz.
6-in. pot, 6 to 7 leaves, 22 to 24 in.	1.00	12.00
6-in. pot, 6 to 7 leaves, 24 to 26 in.	1.25	15.00
6 in. pot, 6 to 7 leaves, 26 to 28 in.	1.50	18.00
6 in. pot, 6 to 7 leaves, 30 to 36 in.	2.00	24.00
7-in. pot, 6 to 7 leaves, 32 to 34 in., heavy	2.50	30.00

Full line of Kentias, (all sizes), ready n July.

JOSEPH HEACOCK COMPANY, Wyncote, Pa.

FERNS.

2¼-inch Boston and Piersoni, extra strong	$ 3.50 per 100;	$ 30.00 per 1000
3 -inch " " " "	7.00 per 100;	65.00 per 1000
4 -inch " " " "	12.50 per 100;	100.00 per 1000
5 -inch " " " "	25.00 per 100;	
6 -inch " " " "	50.00 per 100;	
2¼-inch Scotti and Elegantissima, extra strong	4.00 per 100;	
3 -inch " " " "	8.00 per 100;	75.00 per 1000
2¼-inch Asparagus Plumosus " "	3.00 per 100;	25.00 per 1000
4 -inch " " " "	9.00 per 100;	85.00 per 1000
2¼-inch " Sprengeri, " "	2.25 per 100;	
3 -inch " " " "	5.00 per 100;	
4 -inch " " " "	8.00 per 100;	

THE MOSBÆK GREENHOUSE CO., ONARGA, ILL.

Boston and Piersoni Ferns.

2½-inch	$ 3.00 per 100
3-inch	6.00 per 100
4-inch	10.00 per 100
6-inch	.40 each.

Thomas Salveson, Petersburg, Ill.

Neph. Whitmani

2¼-inch	$ 5.00 per 100
3½-inch	25.00 per 100

Boston Ferns 2¼-inch, $3.00 per 100.

Henry H. Barrows & Son, WHITMAN MASS.

Cyrtomium Falcatum Mayi.

At the meeting of the Royal Horticultural Society of England held on April 14 last, H. B. May & Sons, Edmonton, exhibited a new crested form of the fern known in gardens as Cyrtomium falcatum, but which is placed by Dr. Christensen in his "Index Filicum" under polystichum. The plant has been the subject of change of nomenclature many times. It is placed by Hooker in his "Synopsis Filicum" under aspidium, and it has also been classed in other genera than those instanced.

Notwithstanding this confusion of names, the fern is a valuable species for garden purposes, and there are few that surpass it for the decoration of dwelling rooms. The species is perfectly hardy in favored parts of England, Wales and Ireland, but when grown outdoors the leaves are shed in the winter. The plant, however, soon recovers when warmer weather prevails, and quickly develops a new crop of its handsome leaves. Besides the new variety Mayi, there are many other forms and varieties of Cyrtomium falcatum.—Gardeners' Chronicle.

Cycas Stems

NEW STOCK
ALL SIZES
Prices:

VAUGHAN'S SEED STORE,

CHICAGO, 84-86 Randolph St.
NEW YORK, 14 Barclay St.

A FEW GOOD THINGS YOU WANT.

Asparagus Sprengeri, 2-in., $2.50 per 100; 3-in. $5.00 per 100. Seedlings, $1.00 per 100.
Geraniums, Nutt, Doyle, Perkins Ricard, Grant La Favorite, R. C., $1.25; 2-in. pots, $2.00; 3-in., $4.00 per 100; Trego Viaud, Castellane, Poitevine, Jaulin, R. C. $1.50; 2-in. pots, $2.50; 3-in., $5.00 per 100. Mme. Salleroi 2-in. $3.00 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100; 3-in., $5.00 per 100.
Boston Ferns, 5-in., 30c each.
Vinca Var., 2-inch, $2.00 per 100.
Dracena Indivisa, 2-in., $3.00; 3-in., $5.00 per 100.
Gladiolus Bulbs, light colors, $1.00 per 100.
Rex Begonia, $5.00 per 100.
Coleus, Cigar Plant, Verbena Heliotrope, Scarlet Sage, Bonfire, 2-in. pots, $2.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the express companies properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

BARGAINS IN

Geraniums, Asters, Centurea, Coleus, Feverfew, Fuchsias, Sw. Alyssum, Marguerites, Heliotrope, Salvia, Impatiens Sultani, Santolinas, German Ivy, English Ivy, Cobeas, Begonias, Moonvines, Cannas, Caladiums, Amp. Veitchii, Paniculata, Baby Rambler, white and red, Madam Souperts, etc., etc. Write

Geo. A. Kuhl, Wholesale Grower. **Pekin, Ill.**

Rooted Cuttings. Prepaid per 100. Heliotrope, Alternanthera, 50c; Coleus, Ageratum, 60c; Salvia, 85c.

Fuchsia, 5 fine kinds, 2-in., $1.50 per 100.
Ageratum, Stella Gurney, nice 2-in., 1½c. Cash.
Asters, Branching, 6 colors, $2.00 per 1000.

SHIPPENSBURG FLORAL CO. Shippensburg, Pa.

Vinca Variegated

	Per 100	1000
2-inch	$ 1 75	$16 00
Transplanted Cuttings	.90	8.00

Sample sumitted.

C. L. CAMPBELL,
Johnson Ave., SPRINGFIELD, O.

Fruit Growing in Chile.

Consul Alfred A. Winslow, of Valparaiso, reports that fair attention is paid to the growing of fruit in some portions of Chile, and with good success. He adds: "Were the same efforts made here as in the United States there could be equally as fine fruit raised. The climate is exceptionally suitable and a crop is practically sure, as there are no sudden changes in temperature to destroy the buds. There is a good opening here for a nursery, but the best way to make a success of it would be to establish a branch, as the people need instruction, as well as trees." [The names of several fruit growers in Chile are filed for reference in the Bureau of Manufactures.]

GERANIUMS

Good Standard varieties at $2.00 per 100 and up to Novelties at $1.00 each, from 2-in pots. Our collection contains nearly 300 varieties we will send 1000, 50 each of 20 varieties, our selection, for $18 50 this is a splendid collection to stock up on. We have a good assortment in 3-in. pots at $3.50 per 100.

A cordial invitation is extended to all interested in Geraniums to visit us during May and June to inspect our new stock houses, containing over 60,000 plants, and especially to see our new show house. In it there are over 300 varieties in full bloom, a splendid opportunity to compare the newer introductions with the old standards, and to select stock for next season. We will make a very liberal special prices on all orders booked during May and June for December delivery. We are at Cowenton on the B. & O. R. R. and at Chase on the Pennsy. We meet all trains.

PELARGONIUNS. In good varieties, in 3-in. pots $1.50 per dozen; $6.00 per 100.

DAHLIA PLANTS, from 2-in. pots at $2 00 to $10.00 per 100. We will send 1000 in 20 varieties, our selection, of good varieties in Cactus, Decorative or Show for $18.50.

HARDY CHRYSANTHEMUMS

A splendid collection of over 75 kinds. Small flowered or Button $2 00 per 100, Large flowered or Aster type $3.00 per 100.

For List of Miscellaneous stock see issue of the 30th.

CANNAS, Strong Plants from 3-in. pots

	Per doz.	100
Jean Tissot, brilliant vermilion with bright orange shading	$ 1.00	$ 6.00
President Meyers, rich cherry carmine, bronze foliage	1.00	7.00
Louisiana, vivid scarlet flowers, often measuring 7 inches	1.00	7.00
Pennsylvania, bright vermilion scarlet, free bloomer, large	$ 1.00	$ 6.00
Buttercup, deep buttercup yellow, almost pure	1.00	6.00
J. D. Eisele, Egandale, Alphonse Bouvier, Mme. Crozy and **Florence Vaughan**	.60	4.00

Visitors always welcome. Cash with order.

R. Vincent, Jr. & Sons Co., WHITE MARSH, Balto Co., MD.

Primroses

	Per 100
Chinese, single fringed, July 10	$ 2.00
Obconica Alba Rosea, July 10	2.00
Gigantea and **Kermesina,** July 10	3 00
Forbesi "Baby," July 10	2.00

Asparagus

	Per 100
Plumosus, 2¼-in. pots, July 1	$ 2.00
Sprengeri, 2¼-in. pots	2.00
Geraniums, my selection	3.00
Seedling Petunias,	2.50
Smilax, July 10	1.25

Giant Flowering Pansy Seed, oz. $4.00; ready.

JOS. H. CUNNINGHAM, Delaware, O.

NOTICE.

	Per 100	1000
Geraniums, 3-in. pots	$3.00	$25 00
" 3½-in pots	3 50	28.00
" 4-in. pots,	4.00	33.00
Coleus, 2½-in. pots,	2.00	17.00
Double Petunias, 3-in. pots	$3 00	$25.00
Asparagus Plumosus, 3-in pots	5 00	
Asparagus Sprengeri, 2½-in. pots	2.50	22.00
Salvia Zurich, 3-in. pots	3.00	

PERENNIAL GARDENS CO., Toledo, Ohio.

FERNS FOR DISHES.

Assorted Varieties.
From 2-in pots, $3.00 per 100; $25.00 per 1000.
Dracaena Indivisa.
7-in. pots 75c to $1.00 each.
Cash with order.

Frank Oechslin
2570-2606 W. Adams St., Chicago.
Formerly Garfield Park Flower Co.

LARGEST STOCK OF ALL
Belgian Plants
AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.
LOUIS VAN HOUTTE, PERE,
GHENT, BELGIUM.

Cannas. F. Vaughan, Pennsylvania, Kate Gray, Chas. Henderson, Fair Hope, J. D. Eisele, David Harum, Pres. Vigar, Alsace, Mlle. Berat, Allemania, 3-in. pots $5.00 per 100; $40.00 per 1000; strong plants, started in sand $3.00 per 100; $25.00 per 1000.

Coleus. Strong plants from 2¼-in. pots in 10 best bedding and fancy varieties $2 00 per 100; $18.00 per 1000.

Boston and Elegantissima Ferns

We still have a large stock of well grown plants, in 3- and 4-in. pots at $6.00 and $12.00 per 100.

W. W. COLES,
Kokomo. - Indiana.

20,000 Geraniums

S. A. Nutt and Beaute Poitevine. **Cannas,** Chas. Henderson, Austria and Florence Vaughan. **Ageratum, Salvia, Thunbergia,** all in 4-in. pots and in fine shape for bedding out at once, at $6.00 per 100. I also have 1000 fine **Ferns** in 6-in. pots at 30c each. Boston and Piersoni.

JOS. P. HAUCK, Bell Phone 137 CARRICK, PA.

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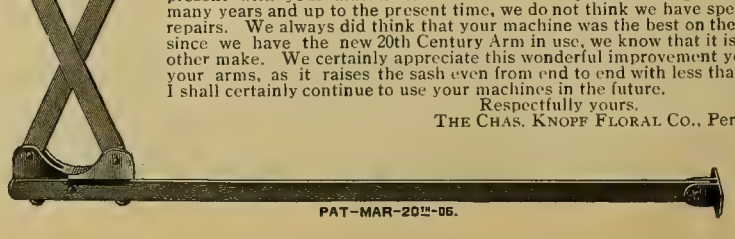

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Chrysanthemums, Appleton, T. Eaton, Yellow Eaton, Monrovia, Duckham, Cheltoni, Pacific, Nellie Pocket, F. A. Cobbold, Mrs. Duckham, Garza, 2¼-in., $3 per 100; $20 per 1,000. Chas. H. Totty, Madison, N. J.

Chrysanthemums, M. Bonnaffon, Col. Appleton, G. Wedding, W. B. Chamberlain, T. Eaton, J. Nonin, 2¼-in., $2.50 per 100; 3-in., $3 per 100. Black Bros., 401-403 E. Chase St., Baltimore, Md.

Chrysanthemum cuttings, transplanted in soil, Ivory, Estelle, Glory of Pacific, Minnie Bailey, Bonnaffon, Col. Appleton, Halliday, $1.25 per 100; $12 per 1,000. T. W. Baylis & Sons, West Grove, Pa.

Chrysanthemums, hardy, 75 kinds, small flowered or button, $2 per 100; large flowered or aster, $3 per 100. R. Vincent Jr., & Sons Co., White Marsh, Md.

Chrysanthemums, hardy mixed varieties, 2¼ in., $2.25 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Chrysanthemums, R. C. and plants. A. F. Longren, Des Plaines, Ill.

Chrysanthemums for every purpose. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, 20 good vars., 2½-in., $2.50 per 100. West End Greenhouses, Lincoln, Ill.

Mums, 20 kinds, R. C., $1.50; 2½-in., $2.50. Burdell Floral Co., Bowling Green, Ky.

Chrysanthemums, white, yellow, pink, R. C. and 2-in. Geo. A. Kuhl, Pekin, Ill.

Chrysanthemums, leading varieties. Vaughan's Seed Store, Chicago and New York.

Chysanthemums, October Frost, 2½-in., $3 per 100. A. C. Canfield. Springfield, Ill.

CLEMATIS.

Clematis, large flowering, 2-yr., red, purple, white, $3 per doz. Paniculata, 3-in., $5 per 100. Montana grandi, 4-in., $1.50 per doz. C. Eisele, 11th and Westmoreland Sts., Phila.

Clematis, true Jackmani, 6-in., 3 ft., 35c to 40c. G. Aschmann, 1012 W. Ontario St., Phila.

COBEAS.

Cobea scandens, 2-in., $4; 3-in., $7; 4-in., $10 per 100. Vaughan's Seed Store, Chicago and New York.

Cobeas, 3-in., $5 per 100. West End Greenhouses, Lincoln, Ill.

Cobea scandens, 4-in., 8c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Cobea scandens, $8 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

COLEUS.

Coleus, Verschaffeltii, Golden Queen, Fire Brand, Lord Palmerston, Queen Victoria, Beckwith's Gem. R. C., 60c per 100; $5 per 1,000. Golden Bedder, Hero, Messey, Pearl of Orange, 75c per 100; $6 per 1,000. Fancy vars., 12 kinds, 75c per 100; $6 per 1,000. A. N. Pierson, Cromwell, Conn.

Coleus, 12 vars., 2-in., $1.50; 3-in., $2.50 per 100; $14 and $20 per 1,000. Wm. S. Herzog, Morris Plains, N. J.

Coleus, 2½-in., 10 best bedding and fancy vars., $2 per 100; $18 per 1,000. W. W. Coles, Kokomo, Ind.

Coleus, good varieties, 2½-in., $2 per 100; 3-in., $3 per 100. The Krueger Bros. Co., Toledo, O.

Coleus, assorted, 2½-in., $3 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Coleus, Versch., and fine assorted, 2-in., strong, 2½c. Cash. L. E. Marquisee, Syracuse, N. Y.

Coleus, 10 varieties, 2¼-in., $2 per 100, Jos. H. Cunningham, Delaware, O.

Coleus, 3-in., $5 per 100. West End Greenhouses, Lincoln, Ill.

Coleus, 2-in., $1.75 per 100. Keeney's Greenhouses, Monongahela, Pa.

Coleus, 8 kinds, fine 2½-in., $2; R. C. 75c. Burdell Floral Co., Bowling Green, Ky.

Coleus, John and Anna Pfister, 2-in., $3 per 100. Vaughan's Seed Store, Chicago and N. Y.

Coleus, 2-in., 2c. Byer Bros., Chamberb'g, Pa.

Coleus. Geo. M. Emmans, Newton, N. J.

Coleus. J. L. Dillon, Bloomsburg, Pa.

Coleus. Geo. A. Kuhl, Pekin, Ill.

CROTONS.

Crotons, 3½-in., $25 per 100; 5-in., $50 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

CUPHEAS.

Cupheas, 2 kinds, R. C., 75c. Byer Bros., Chambersburg, Pa.

Cupheas, 2½-in., $3 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

CYCLAMENS.

Cyclamen, 2½-in., $5; 3-in., $7; 4-in., $15; 5-in., $20 per 100. S. S. Skidelsky, 1741 N. 18th St., Philadelphia.

Cyclamen, best giant strain in colors, transplanted seedlings, 2c; strong from 2-in. pots, 4c. J. L. Schiller, 929 Prouty Ave., Toledo, O.

Cyclamens, Vaughan's giant flowering, 2½-in., $4 per 100. Vaughan's Seed Store, Chicago and New York.

DAHLIAS.

Dahlias, 2½-in., $2 per 100, such sorts as C. W. Bruton, Mrs. Winters, Fire Rain, Frank Smith, Mrs. Roosevelt, Kriemhilde, Countess of Lonsdale, Mme. Van der Dael. Memphis Floral Co., Memphis, Tenn.

Dahlias, standard, double valuable sorts, $3 and $4 per 100. New and fancy sorts, $8 to $12 per 100; few good standard sorts, $2 per 100. Ferndale Nurseries, Harlan, Iowa.

Dahlias. 2-in., $2 to $10 per 100. Will send 1,000 in 20 vars., our sélection, good sorts in cactus, decorative and show, $18.50. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Dahlias, pot plants, named, cactus and large flowering, $6 per 100. Vaughan's Seed Store, Chicago and New York.

Dahlias, leading varieties. David Herbert & Sons, Atco, N. J.

Dahlias, all leading sorts. James Vick's Sons, Rochester, N. Y.

The American Florist invites attention to the class of business firms in its adv. columns.

DAISIES.

Daisy Queen Alexandra, well flowered, 6 and 7-in., $6 to $9 per doz. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Daisies, Shasta, Alaska and Burbank, seedlings and transplanted, $1.50 per 100; undivided field clumps, $5 per 100. Mosæk Greenhouse Co., Onarga, Ill.

Daisies, English, $3 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Daisies, English, $3 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Shasta daisy, 2 kinds, 2½c and 3c. Byer Bros., Chambersburg, Pa.

DRACENAS.

Dracæna indivisa, 6-in., 50c each; 7-in., 75c to $1. Frank Oechslin, 2570 W. Adams St., Chicago.

Dracæna terminalis, fine colored, 4-in., $2 per doz.; 3-in., $1 per doz. The Krueger Bros. Co., Toledo, O.

Dracæna, indivisa, 4-in., $2 per doz.; 5-in., $3 per doz. Strong plants. C. C. Pollworth, Co., Milwaukee, Wis.

Dracæna indivisa, 4-in., $2 per doz.; $12 per 100; 5-in., $3 per doz.; $20 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Dracæna indivisa, 2¼-in., $2; 3-in., $5; 4-in., $12.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Dracæna indivisa, 3-in., $5 per 100; $45 per 1,000. Vick & Hill, Box 613, Rochester, N. Y.

Dracæna fragrans, 6-in., 3 ft., $12 per doz. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Dracæna indivisa, 7-in., $6 per doz. Vaughan's Seed Store, Chicago and New York.

Dracæna indivisa, 2-in., $3 per 100; 3-in., $5. Geo. M. Emmans, Newton, N. J.

If you do not find what you need in our Ready Reference Department, write us about it.

FERNS.

Ferns, assorted. 2¼-in., $3 per 100; 3½-in., $10 per 100. N. Piersoni Elegantissima, 2¼-in., $6 per 100; 3½-in., $15; 6-in., $6 per doz.; 8-in., $12 per doz. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Whitmani, 2¼-in., $5 per 100; 3½-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Son, Whitman, Mass.

Ferns for dishes, assorted vars., 2-in., $3 per 100; $25 per 1,000. Frank Oechslin, 2570 W. Adams St., Chicago.

Ferns, Boston and Elegantissima, 3 and 4-in., $6 and $12 per 100. W. W. Coles, Kokomo, Ind.

Ferns, Boston and Piersoni, 2½-in., $3 per 100; 3-in., $6; 4-in., $10; 6-in., 40c each. Thos. Salveson, Petersburg, Ill.

Ferns, Boston and Piersoni, 6-in., 30c. J. P. Hauck, Carrick, Pa.

Wanted—Great variety of small ferns. Send lists to W. Styan, San Mateo, Calif.

Ferns, Boston, 5-in., 30c each. Geo. M. Emmans, Newton, N. J.

Ferns. John Abbott, 6 South St., Westfield, Mass.

FICUS,

Ficus elastica, 5-in., $4 per doz.; 6-in., $6. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Rubber plants, 5-in., 75c each; 6-in., $1. Buffalo Cut Flower Co., Buffalo, N. Y.

FUCHSIAS.

Fuchsias, 4-in., $7; 2½ and 3-in., $3 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Fuchsias, in bud and bloom, 3-in., $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Fuchsias, 5 kinds, 2-in., $1.50 per 100. Shippensburg (Pa.) Floral Co.

GAILLARDIAS.

Gaillardias, field-grown, 3-in., $4 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

GERANIUMS.

100,000 GERANIUMS from 2½-in. pots. made from March struck cuttings, young, strong and vigorous, in bud and bloom, $2 per 100; $18 per 1,000; varieties: S. A. Nutt (any quantity), Peter Henderson (scarlet), Beaute Poitevine (salmon), Jean Viaud (pink), Mme. Buchner (white); also choice STOCK PLANTS of the same varieties, bench grown, full of cuttings, true to label, packed light, $4 per 100; $40 per 1,000. Order quick. Prompt shipment. You know us.
THE W. T. BUCKLEY CO.,
Springfield, Ill.

Geraniums, standard vars., $2 per 100 up, to novelties at $1 each; 2-in. Will send 1,000, 50 each of 20 varieties our selection, $18.50. Good assortment of 3-in., $3.50 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Geraniums, Jean Viaud, Heteranthe, A. H. Trego, M. de Castellane, Granville (pink single), in bud, 3-in., strong and bushy, $5 per 100; $40 per 1,000. Memphis Floral Co., Memphis, Tenn.

Geraniums, in bud and bloom, Nutt, Viaud, Ricard. M. Cheveliere, M. Jaulin, Dryden, Perkins, Hill, 2¼-in., $3; 3-in., $5; 4-in., $8; 5-in., $25 per 100. W. J. & M. S. Vesey, Fort Wayne, Ind.

Geraniums, Nutt, Doyle, Perkins, Ricard, Grant, La Favorite, R. C., $1.25; 2-in., $2; 3-in., $4 per 100. Trego, Viaud, Castellane, Poitevine, Jaulin, R. C., $1.50; 2-in., $2.50; 3-in., $5 per 100. Geo. Emmans, Newton, N. J.

Geraniums, ivy leaved, assorted kinds, 2½-in., $4 per 100. Little Pink, Sycamore, Poitevine, single and double white, 2½-in., $4; 4-in., $8. Vaughan's Seed Store, Chicago and New York.

Geraniums, Nutt, Viaud, La Favorite, Trego, etc., bud and bloom; 3-in., $6 per 100; 4-in., $8. I. N. Kramer & Son, Cedar Rapids, Iowa.

Geraniums, in bud and bloom, 8 vars., 3½-in., $4; 3-in., $3 per 100; not in bloom, $3.50 and $2.50. Wm. S. Herzog, Morris Plains, N. J.

Geraniums, 4-in., branched, in bud and bloom, 6c each; Nutt, Grant, Trego, and others, 3-in., 3c each. Dwight Greenhouses, Dwight, Ill.

Geraniums, S. A. Nutt, John Doyle, etc., 4-in., $7 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Geraniums, Nutt, Perkins, Poitevine, Castellane, Ricard, $10 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, elegant 4-in., Nutt, Viaud, D. Grant, Ricard, $6. Gullett & Sons, Lincoln, Ill.

Geraniums, Nutt, Poitevine, 4-in., $6 per 100. J. P. Hauck, Carrick, Pa.

Geraniums, Mme. Salleroi, 2¼-in., $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Geraniums, ivy, 2-in., 2½c. Byer Bros., Chambersburg, Pa.

Geraniums, my selection, $3 per 100. Jos. H. Cunningham, Delaware, O.

Geraniums, 2-in., 2c; rose geraniums, 2-in., 1½c. Byer Bros., Chambersburg, Pa.

Geraniums, 4-in., 6c. Keeney's Greenhouses, Monongahela, Pa.

Geraniums. James Vick's Sons, Rochester, N.Y.

Geraniums. Geo. A. Kuhl, Pekin, Ill.

The American Florist invites attention to the class of business firms in its adv. columns.

GLADIOLI.

Gladiolus America, $6.50 per 100; $60 per 1,000. Write for prices on other stock. Cushman Gladiolus Co., Sylvania, O.

Gladiolus bulbs, $1 per 100. Geo. M. Emmans, Newton, N. J.

GLOXINIAS.

Gloxinias. L. Van Houtte, Pere, Ghent, Belgium.

GREENS.

Greens, bronze galax, $8.50 per case of 10,000; green, $7.50. Dagger and fancy ferns, $2 per 1,000. Laurel festooning, boxwood, southern wild smilax, sphagnum moss, leucothoe sprays, etc. Henry M. Robinson & Co., 15 Province St., Boston.

Greens, dagger and fancy ferns, $1.75 per 1,000. Bronze and green galax, $1.25 per 1,000. Leucothoe sprays, $1 per 100; $7.50 per 1,000. Sphagnum moss, per bale, $1.25. Boxwood bunches, 35c; 50 lbs., $7.50. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit.

Greens, cut palmetto and cycas leaves, galax leucothoe, ferns, mosses, etc. Kervan Co., 113 W. 28th St., New York.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 53 W. 28th St., New York.

Greens, smilax, ferns, palm leaves, etc., John P. Scherer, Union Hill, N. J.

Greens, southern wild smilax. E. A. Beaven, Evergreen, Ala.

HARDY PERENNIALS.

Perennials, Coreopsis lanceolata, 5-in., 10c; Campanula in variety, 5-in., 12c; 6-in., 15c; bud and bloom, 6-in., 35c; sweet william, 5-in., 12c; Lychnis C., 3½-in., 5c; Ampelopsis Veitchii, 2-in., $2.50 per 100; 3-in. perennials for pots, 75c per doz.; $5 per 100; sweet william, 4-in., 75c per doz; $5 per 100; garden pinks, 4-in., 85c per doz.; $6 per 100; myosotis forget-me-not, 60c per doz.; $4 per 100: Lychnis Chal., 3-in., 85c per doz.; $6 per 100; foxglove, 3-in., 85c per doz.: $6 per 100; achillea, 3-in., 75c per doz.; $5 per 100; Pentstemon hybrids; Canterbury bells, 4-in., 85c per doz.; $6 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Hardy perennials. Get our prices for field-grown stock. We have one of the best assortments of seedlings, transplanted and undivided clumps. Send for descriptive list. Mosbæk Greenhouse Co., Onarga, Ill.

Hardy phlox, 2¼-in., $2.50 per 100; fall cuttings, $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Hardy pinks, asst. colors in bud and bloom, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Moonvines, 4-in., 30 to 36 ins., $12 per 100; 2½-in., $5. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Phlox Drummondi, 2½ to 3-in., grandi., vars., $3 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Moon flowers, 2½-in., $6 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Phlox, hardy named kinds, 4-in., $4 per 100. Vaughan's Seed Store, Chicago and New York.

Hardy phlox, R. C., $1.25 per 100; $10 per 1,000. A. M. Herr, Lancaster, Pa.

HELIOTROPES.

Heliotrope, 4 of the best, 2¼-in., $2.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Heliotrope, blue, 2½-in., $3 per 100. C. Eisele, 11th and Westmoreland Sts., Phila.

Heliotrope, 3-in., $4 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Heliotrope, R. C., 75c per 100; $6 per 1,000. A. N. Pierson, Cromwell, Conn.

Heliotrope. Geo. M. Emmans, Newton, N. J.

HOLLYHOCKS.

Hollyhocks, standard colors, 2¼-in., $2.25 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

HONEYSUCKLES.

Honeysuckles, Halliana and Red Trumpet, $1.50 per doz.; $10 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

HYDRANGEAS.

Hydrangea Otaksa, large plants in tubs, $2 to $3 each; half barrels, $5 to $7.50 each. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Hydrangeas, 3-in., $10 per 100; 6 and 7-in., 50c, 75c and $1 each. Geo. A. Kuhl, Pekin, Ill.

Hydrangeas, 25c to $4 each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Hydrangea Snowball, 3-yr., $5 per doz. Vaughan's Seed Store, Chicago and New York.

Hydrangeas. W. & T. Smith Co., Geneva, N. Y.

IMPATIENS.

Impatiens. Sultani, 4-in., 4c. Keeney's Greenhouses, Monongahela, Pa.

IVIES.

Ivy, English, 3½ and 4-in., $8 per 100; extra size, $10. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ivy geraniums in variety, 2¼-in., $3; 3-in., $6; 4-in., $8 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Ivy English. 3½ and 4-in., $8 per 100; extra size, $10 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ivy, Kenilworth, 2½-in., $2 per 100. English, 4-in., $10; German, 2½-in., $3. Vaughan's Seed Store, Chicago and New York.

Ivy, English, 4-in., $1.50 per doz.; $10 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Ivy, German, 2¼-in., $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Ivy, German, 2½-in., $2.50 per 100. West End Greenhouses, Lincoln, Ill.

Ivy, English, 3 ft., 4-in., 10c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

English ivy, 3-in., $3 per 100. The Krueger Bros. Co., Toledo, O.

LILACS.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig Saxony, Germany.

From Storage.

Lily of the valley, for forcing, $11 per 1,000. W. C. Beckert, Pittsburg, N. S., Pa.

Lily of the valley, pips, cold storage. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley, cold storage pips, $14 per 1,000; $1.75 per 100. H. N. Bruns, 1407-11 W. Madison St., Chicago.

LOBELIAS.

Lobelia speciosa and Bedding Queen, 2-in., $2.50; new double Kathleen Mallard, 3-in., $8 per 100. Vaughan's Seed Store, Chicago and New York.

Lobelia, dwarf or trailing, 2½-in., Crystal Palace, $3 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Lobelia Crystal Palace and trailing, 2¼-in., $2 per 100; $17.50 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

MOSS.

Sphagnum moss, 5 barrel bale, $1.25; 2 bales, $2.25; 5 bales, $5; 10 bales, $9.50. H. R. Akers, Chatsworth, N. J.

Sphagnum moss in burlap or wired bales. Write for prices. Vaughan's Seed Store, Chicago and New York.

MUSHROOM SPAWN.

Mushroom Spawn. Johnson's improved. Johnson's, Ltd., 44 Bedford Row, London, W. C., Eng.

Mushroom spawn. English and pure culture. Weeber & Don, 114 Chambers St., New York.

Mushroom spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

MYRTLE.

Myrtle, field-grown clumps, strong, $2 per 100; $17.50 per 1,000. Geo. A. Dhonau, Sta. H., Cincinnati, O.

Myrtle, Vinca minor, 2¼-in., $2.25; 3-in., $3; field grown, $5 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

NURSERY STOCK.

Nursery stock, trees and shrubs, price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Nursery stock, arbor vitæ (Thuya occidentalis) 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

If you do not find what you need in our Ready Reference Department, write us about it.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, large trees, oaks, maples, pines and hemlock. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, fruit and shade trees, shrubs, evergreens. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. Storrs & Harrison, Painesville, O.

ORANGES.

Oranges, Kinkan. P. J. Berckmans Co., Augusta, Ga.

ORCHIDS.

Orchids, C. Trianæ, C. labiata, C. Schroederæ, C. gigas Sanderiana, C. Harrisoniæ, C. citrina, Lælia anceps, Oncidium varicosum Rogersii, O. ornithorhynchum. O. tigrinum, Odontoglossum Insleayi, O. Rossii majus, also orchid peat, sphagnum moss, baskets, etc. Carrillo & Baldwin, Secaucus, N. J.

Orchids in superb condition. Cattleya Mossiæ, C. Schroederæ, Lælia anceps, Epidendrum vitellinum, etc. Lager & Hurrell, Summit, N. J.

Orchids, C. Trianæ, C. Percivaliana, C. speciosissima, C. Gaskelliana, Oncidium Kramerianum. Ordonez Bros., Madison, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England. New York office, room 1, 235 Broadway.

Orchids, choice assorted flowering, established, $12 per doz. Wm. Mathews, West View Greenhouses, Utica, N. Y.

Orchids. Largest stock in the country. Ask for prices. Julius Roehrs Co., Rutherford, N. J.

PALMS.

Palms, home-grown. Cocos Wedd., 2½-in., 8 to 10 ins., 10c each; 10 to 12 ins., 15c each. Kentia Bel., 6-in., 6 to 7 leaves, 22 to 24 ins., $1 each; $12 per doz.; 6-in., 6 to 7 lvs., 24 to 26 ins., $1.25 each; $18 per doz; 6-in., 6 to 7 lvs., 26 to 28 ins., $1.50 each; $18 per doz.; 6-in., 6 to 7 lvs., 30 to 36 ins., $2 each; $24 per doz.; 7-in., 6 to 7 lvs., 32 to 34 ins., $2.50 each; $30 per doz. Joseph Heacock, Wyncote, Pa.

Palms. Kentia Bel., 5¼ to 5½-in., 22, 25, 27 ins., high, 50c and 75c each; 4-in., 20 to 22 ins., 35c and 40c. Kentia Fors., 5 and 5½-in., 50c and 75c each; larger, $1 to $2.50 each. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Phœnix Canariensis, for vases, small tubs, $2.50 each. For kentias see page 1007. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Palms, Latania Borb., 2½-in., $4; 3-in., $7. Vaughan's Seed Store, Chicago and New York.

Palms. P. J. Berckmans Co., Augusta, Ga.

Palms. L. Van Houtte, Pere, Ghent, Belgium.

PANDANUS.

Pandanus Veitchii, 5-in., $9 per doz.; 6-in., $12; large plants, $2 to $3.50 each. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

PANSIES.

Pansies, from cold frame, strong, in bud, 2nd size, 75c per 100. F. A. Baller, Bloomington, Ill.

Pansies, $3 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

PELARGONIUMS.

Pelargoniums, 3-in., $1.50 per doz.; $6 per 100. R. Vincent, Jr. & Sons, White Marsh, Md.

Pelargoniums, named kinds, 4-in., $15 per 100. Vaughan's Seed Store, Chicago and N. Y.

PEONIES.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Wholesale peony list for fall 1908 is now ready. J. F. Rosenfield, West Point, Neb.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies, leading vars. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunias, double fringed in bud and bloom, 2½-in., $2.50 per 100. The Krueger Bros. Co., Toledo, O.

Petunias, dbl., 10 kinds, R. C., $1; 2-in., 2c. Byer Bros., Chambersburg, Pa.

Petunias, double sorts, 2½-in., $4 per 100. Vaughan's Seed Store, Chicago and New York.

Petunias, California giant, 3-in., $3 per 100. G. Aschmann, 1012 W. Ontario st., Phila.

Petunias, double, 4-in., in bloom, 5c. Keeney's Greenhouses, Monongahela, Pa.

Petunias, seedlings, $2.50 per 100. Jos. H. Cunningham, Delaware, O.

POINSETTIAS.

Poinsettias, hard and soft wood, 2½-in. pots, $4 per 100. McIntyre Bros., Florists, Nashville, Tenn.

Poinsettias, 2½-in., $5 per 100; $45 per 1,000. S. S. Skidelsky, 1741 N. 18th St., Philadelphia.

PRIMULAS.

Primroses, Chinese single fringed, $2 per 100. Obconica, alba, rosea, $2. Gigantea and Kermesina, $3. Forbesi, "Baby," $2. Jos. H. Cunningham, Delaware, O.

Primula obconica, 2-in., $3 per 100. Vaughan's Seed Store, Chicago and New York.

RHODODENDRONS.

Rhododendrons. Jacs Smits, Naarden, Holland.

ROSES.

Roses, grafted, Mrs. Jardine, Rhea Reid, Queen Beatrice, $6 per doz.; 50 for $18; $35 per 100. My Maryland, 50c each; $5 per doz.; $35 per 100; own root, 2½-in., $25 per 100; $2 per 10; 3-in., $15 per doz. Standard vars.: Aurora, Bon Silene, Bride, Maid, Enchanter, Etoile de France, Franz Deegen, Gen. MacArthur, Hermosa, Kaiserin, Kate Moulton, Killarney, La Detroit, M. Cochet, M. Niel, Mme. Chatenay, Mme. Hoste, Mrs. Morgan, Gontier, Rosalind Orr English, Wootton, Wellesley, White Cochet, grafted, 2¼-in., 20c each; $2 per doz.; $15 per 100; $120 per 1,000. Own root roses, 2½-in., Killarney, Bride, Bridesmaid, Ivory, Richmond, Chatenay, Aurora, $1 per doz.; $6 per 100; $50 per 1,000; 2-in., $3.50 per 100; $30 per 1,000. A. N. Pierson, Cromwell, Conn.

Roses, $2.50 per 100; Baby Rambler, C. Soupert, D. Perkins, Mme. A. Chatenay, $2.75 per 100; Hermosa, Maman Cochet, Malmaison, Etoile de Lyon, Helen Gould, Lady Gay, M. Niel, Notting, Meteor, White Maman, Albany, La France; $3 per 100; Mme. C. Wood, P. C. de Rohan, Mme. Plantier, Gen. Jacq.; Black Prince, Mme. Masson, Kaiserin, Paul Neyron, $3.50 per 100; Capt. Christy, Magna Charta, Etoile de France, Mrs. J. Laing, Helen Good, Killarney, $5 per 100. J. B. Clark, Druschki, $8 per 100. C. M. Niuffer, Springfield, O.

Roses, in pots and outdoor: Prairie Queen, 3 to 5 ft., 15c to 35c each. Crimson Rambler, 2 ft., 15c. Baby Rambler, 3½-in., $6 per 100. Sweet briar, 2 to 3 ft., 10c to 25c each. One lot of hybrid perpetual, 5-in., asst., potgrown, $15 per 100. Bride, Maid, Chatenay, 5-in., 3c. Baby Rambler, 3-in., 6c. Uncle John and Chatenay, 1-yr., in flower and bud, 6-in., 15c. Hybrid perpetuals, $15 per 100; $2 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Roses, Mrs. Potter Palmer, 2½-in., $15 per 100; $125 per 1,000; 2,000 or more, $115 per 1,000; 3½-in., $18 per 100; $150 per 1,000. Cardinal, 2½-in., $6 per 100; $55 per 1,000; 3½-in., $8 per 100; $75 per 1,000. Maid, Richmond, Sunrise, Uncle John, 2½-in., $4.50 per 100; $40 per 1,000; 3½-in., Maid, Kaiserin, ready May 20, $6.50 per 100; $60 per 1,000. Benched Beauties, cut back, $6.50 per 100; $55 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

YOUNG ROSE STOCK.

	Per 100	Per 1,000
Kaiserin, 3½-in.	$5.00	$45.00
Kaiserin, 3-in.	4.50	40.00
Kaiserin, 2½-in.	3.50	30.00
Maids, 2½-in.	3.00	25.00
Brides, 2½-in.	3.00	25.00
Richmond, 2½-in.	3.00	25.00
Kate Moulton, 2½-in.	3.00	25.00

WIETOR BROS., 51 Wabash Ave., Chicago.

Roses, from 2½-in., Bride, Maid, Uncle John, Ivory, Chatenay, $2.50 per 100; $22.50 per 1,000. Sunrise, Perle, Kate Moulton, Richmond, $4 per 100; $35 per 1,000. Killarney $5 per 100; $40 per 1,000. Bench plants: Richmond, $3 per 100; $25 per 1,000. Am. Beauty, $6 per 100; $50 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Roses, grafted Killarney, Richmond, Bride and Maid, $12 per 100; $110 per 1,000. Own roots: Bride, Maid, G. Gate, Ivory, Perle, Killarney, Richmond, $6 per 100; $55 per 1,000; all from 3½-in. P. R. Quinlan, Syracuse, N. Y.

Roses, grafted, Chatenay, Killarney, Richmond, Liberty, La France, 3½-in., $18 per 100; Bride, Maid, Golden Gate, Kaiserin, 3½-in., $15 per 100; own root roses: Bride, Maid, Killarney, Richmond, Chatenay, 3-in., $7 and $9 per 100. J. L. Dillon, Bloomsburg, Pa.

Roses. Very fine Bride, Maid, Gate, 3-in., $5 per 100; $45 per 1,000; 2½-in., $25 per 1,000. Order sample hundred from Gullett & Sons, Lincoln, Ill.

Roses for forcing, grafted, Bride, Maid, Kaiserin, Killarney, Richmond, Wellesley, $10 per 100; $100 per 1,000. Jackson & Perkins, Newark, N. Y.

Roses for forcing. W. & T. Smith Co., Geneva, N. Y.

The American Florist invites attention to the class of business firms in its adv. columns.

Roses, Killarney, Bride, Maid, G. Gate, Ivory, Chatenay, Beauty, Carnot, Richmond, Perle, 2¼ and 3-in. Geo. A. Kuhl, Pekin, Ill.

Roses, 3-yr. bench plants, 2,000 Maids, 2,000 Brides, $5 per 100; $45 per 1,000. Lamborn Floral Co., Alliance, O.

American Beauties, rooted cuttings, $3 per 100; $25 per 1,000; 2¼-in., $6 per 100; $50 per 1,000. J. F. Wilcox, Council Bluffs, Iowa.

Roses, grafted and own root, Kaiserin, Carnot, Killarney, Richmond, Liberty, Bride and Bridesmaid. W. H. Elliott, Brighton, Mass.

Roses, American Beauty, bushes, bench plants, $6 per 100; $55 per 1,000. Wietor Bros., 51 Wabash Ave., Chicago.

Rose Newport Fairy. Julius Roehrs Co., Rutherford, N. J.

Roses a specialty. The Dingee & Conard Co., West Grove, Pa.

Roses, 400 best sorts, 2½ and 4-in. Leedle Floral Co., Springfield, O.

Roses. James Vick's Sons, Rochester, N. Y.

SALVIAS.

Salvia Zurich in bud and bloom, 4-in., $6 per 100; 3-in., $3 per 100; 2-in., $2 per 100. The Krueger Bros. Co., Toledo, O.

Salvias, Clara Bedman or Bonfire, 4-in., $7 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Salvia Zurich, R. C., $1.75 per 100; 2-in., $3 per 100. Perennial Gardens Co., Toledo, O.

Salvias, 2½-in., $4; 3-in., $6 per 100. Vaughan's Seed Store, Chicago and New York.

Salvias, Bonfire, 2¼-in., $4 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Salvias, 3, 2½ and 2-in., $5, $3, $2 per 100. West End Greenhouses, Lincoln, Ill.

Salvias, 2-in., $2; 3-in., $3. Best kinds, large. Gullett & Sons, Lincoln, Ill.

Salvias, R. C., $1 per 100; $8 per 1,000. S. D. Brant, Clay Center, Kans.

Salvias, 2-in., 2c. Keeney's Greenhouses, Monongahela, Pa.

Salvias, 3-in., $2.50. Wm. S. Herzog, Morris Plains, N. J.

Salvias, 4-in., $6 per 100. J. P. Hauck, Carrick, Pa.

Salvias, 2¼-in., $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Salvia Bonfire, 90c. Byer Bros., Chambersburg, Pa.

SEEDS.

Seeds, Primula obconica, the type, ⅛ oz., 50c; tr. pkt., 15c; grandiflora, mixed, 1-16 oz., $1; tr. pkt., 25c; fimbriata, 1-32 oz., $1; tr. pkt., 50c; Bright rose, 1-32 oz., $1; tr. pkt., 25c; Kermesina, 1-32 oz., $2; tr. pkt., 50c; white, 1-32 oz., $1; tr. pkt., 25c; gigantea rosea, 1-32 oz., $3; tr. pkt., 50c; gigantea kermesina, tr. pkt., 35c. Vaughan's Seed Store, Chicago and New York.

Seeds, bean, beet, cabbage, carrot, kohl rabi, leek, lettuce, onion, pea, radish, spinach, turnip, swede, aster, balsam, begonia, carnation, cineraria, gloxinia, larkspur, nasturtium, pansy, petunia, phlox, primula, scabious, stock, verbena, zinnia, etc. Giant pansy, $5 per oz.; $1.50 per ¼ oz., 75c per 1-16 oz. Henry Mette, Quedlinburg, Germany.

Seeds, Primula obconica grandi, blood red, blue, carmine, pink, purple, violet, white, compacta, gigantea, fringed mixed, hybrids, separate, tr. pkt., 50c; 6 pkts., $2.50. O. V. Zangen, Hoboken, N. J.

Seeds, cyclamen, Mont Blanc, Baroness Burdett-Coutts, Crimson King, Duke of Connaught, Prince of Wales, Princess May, Rosy Morn, Picturatum, Dame Blanch, Duke of Fife, Brilliant. Primula Sinensis. St. George's Nursery Co., Harlington, Middlesex, England.

Seeds, Asparagus plumosus nanus, northern greenhouse grown, per 100 seeds, 60c; 250 seeds, $1; 1,000 seeds, $3. Vaughan's Seed Store, Chicago and New York.

Seeds, verbena, mammoth, colors or mixed, ¼ oz., 30c; oz., $1. Salvia splendens, ¼ oz., 35c; oz., $1.25; Bonfire, ¼ oz., 75c; oz., $2.50. W. C. Beckert, Pittsburg, N. S., Pa.

Seeds, Asparagus plumosus nanus, 50c per 100; $1.75 per 500; $3 per 1,000. Sprengeri, 15c per 100; 40c per 500; 75c per 1,000. H. H. Berger & Co., 70 Warren St., N. Y.

Seeds. Tomato, the Don, Cauliflower. First and Best. Onion Ailsa Craig. Lettuce, Ideal. Mignonette, N. Y. Market. Weeber & Don, 114 Chambers St., New York.

Seeds. Asparagus plumosus nanus, new crop, highest germination, $2 per 1,000. Drake Point Greenhouses, Yalaha, Fla.

Seeds, Asparagus plumosus nanus, and robustus, $2 per 1,000. J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds of all kinds. H. E. Fiske Seed Co., 12 and 13 Faneuil Hall Sq., Boston, Mass.

Seeds, sweet peas. Anton C. Zvonlanek, Bound Brook, N. J.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

If you do not find what you need in our Ready Reference Department, write us about it.

Seed, giant flowering pansy, $4 per oz. Jos. H. Cunningham, Delaware, O.

Seeds, flower and vegetable. James Vick's Sons, Rochester, N. Y.

Seed potatoes, Red River stock. Onion sets, Vaughan's Seed Store, Chicago.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Seeds, all kinds. St. Louis Seed Co., 784-786 N. 4th St., St. Louis.

Seeds, finest strain of pansies. Fred Roemer, Quedlinburg, Germany.

Seed, Enormous asparagus. Warren Shinn, Woodstown, N. J.

Contract Growers.

Seeds, bean, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, cabbage and cauliflower. Hjalmer Hartman & Co., Stormgade, Copenhagen; 31 Barclay St., New York.

Seeds, lettuce, onion, sweet pea, aster, cosmos, mignonette, verbena. Waldo Rohnert, Gilroy, Calif.

Seeds, growers for the wholesale trade only. Braslan Seed Grower's Co., San Jose, Calif.

Seed beans. F. L. Hogue, Carpinteria, Calif. Grower for the wholesale trade only.

Seeds, garden peas and beans. Rogers Bros., Alpena, Mich.

Seed, Puget Sound cabbage. Chas. H. Lilly & Co., Seattle, Wash.

SMILAX.

Smilax, nice stocky plants from fall, $3 per 1,000; 2,000 for $5; 5,000 for $10; by mail, 50c per 100. F. A. Baller, Bloomington, Ill.

Smilax, myrtle leaved, 3-in., $5; large leaved, 2-in., $2 per 100. Vaughan's Seed Store, Chicago and New York.

Smilax, 3 and 2-in., $3 and $2 per 100. West End Greenhouses, Lincoln, Ill.

Smilax, $1.25. Jos. H. Cunningham, Delaware, O.

Smilax, $15 per 1,000. A. M. Herr, Lancaster, Pa.

SNAPDRAGONS.

Snapdragons, pink and yellow, 2½-in., $4 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

SPIREAS.

Spirea Gladstone, extra nice plants for Easter, 6-in pots, 35c each. Memphis Floral Co., Memphis, Tenn.

Spireas. Jacs Smits, Ltd., Naarden, Holland.

STEVIA.

Stevia, dwarf, 2-in., 2c. Byer Bros., Chambersburg, Pa.

SWAINSONAS.

Swainsona alba, R. C., $1; 2-in., 2c. Byer Bros., Chambersburg, Pa.

VEGETABLE PLANTS.

Vegetable plants: Cabbage: Wakefield, Early Flat Dutch, Early All Head, Early Drumhead, etc.; Surehead Late Flat Dutch, Danish Round and Ball Head, etc., 20c per 100; $1 per 1,000; 10,000, $8.50. Tomato: Stone, Favorite, Paragon, etc., 20c per 100; $1 per 1,000; $8.50 per 10,000. Dwarf Stone, Champion, June Pink and Early Jewell, 40c per 100; $2 per 1,000. Celery: White Plume, Giant Pascal, Gold Heart, etc., 20c per 100; $1 per 1,000; $8.50 per 10,000. Beet: Eclipse, Crosby and Egyptian, 25c per 100; $1.25 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Horse radish sets, $3 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

VERBENAS.

Verbenas, mammoth, in bud and bloom, $1.50 per 100; $14 per 1,000. Wm. S. Herzog, Morris Plains, N. J.

Verbenas, in bud and bloom, $2.50 per 100; $20 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Verbenas, all shades, 2½-in., $3 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Verbenas, 2½ and 2-in., in bloom, $3 and $2 per 100. West End Greenhouses, Lincoln, Ill.

Verbenas in bud and bloom, 2-in., $2 per 100; $15 per 1,000. The Krueger Bros. Co., Toledo, O.

Verbenas. Geo. M. Emmans, Newton, N. J.

VINCAS.

Vinca variegated and green, 2-in., $3; 3-in., $10; 3-in., extra strong, $12 per 100. I. N. Kramer & Son, Cedar Rapids, Iowa.

Vinca, var., also green, extra heavy 4½-in., 15c; 2½-in., good, 2½c. Cash. L. E. Marquisee, Syracuse, N. Y.

Vincas. Leedle Floral Co., Springfield, O.

Vincas, 3½ and 4-in., $8 per 100; extra size, $10 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Vinca variegated, 2¼-in., $2; 4-in., $10; 5-in., $15 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Vinca, variegated and green, 4-in., $10; 3-in., $5 per 100. West End Greenhouses, Lincoln, Ill.

Vinca var., 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

Vinca var., 2-in., $1.75 per 100. Keeney's Greenhouses, Monongahela, Pa.

Vinca var., 2-in., $2 per 100. The Krueger Bros. Co., Toledo, O.

VIOLETS.

25,000 sand rooted cuttings of Lady Campbell violets; extra fine, none better, $1 per 100 by mail; $7 per 1,000; 500 at 1,000 rate (by express). Field grown plants of Campbell and California ready in August. Charles Black, Hightstown, N. J.

Violets, single Russian. Best we ever had, $2.50, $3.50 and $5 per 100. Hoyt Bros., Lock Box 649, Spokane, Wash.

TRITOMAS.

Tritoma Hybrida Express, $2.50 per doz.; $15 per 100. Perennial Gardens Co., Toledo, O.

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Commission Dealers.

Allen, J. K., 106 W. 20th St., New York.

Amling, E. C., 32-36 Randolph St., Chicago.

Berning, H. G., 1402 Pine St., St. Louis.

Buffalo Cut Flower Co., 495 Washington St., Buffalo, N. Y.

Cleary's Horticultural Co., 62 Vesey St., N. Y.

Deamud, J. B. Co., 51 Wabash Ave., Chicago.

Ford Bros., 48 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., N. Y.

Guttman, Alex. J., 43 W. 28th St., New York.

Harty & Co., 1312 G St., N. W. Washington.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kennicott Bros Co., 48-50 Wabash, Chicago.

Keuhn, C. A., 1122 Pine St., St. Louis.

Langjahr, Alfred H., 55 W. 28th, St., N. Y.

McCullough's Sons Co., J. M., 316 Walnut St., Cincinnati, O.

McIntyre, John, 1601 Ranstead St., Philadelphia.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

McKissick, W. E., 1619-21 Ranstead St., Philadelphia.

Michigan Cut Flower Exchange, 30-40 Broadway, Detroit, Mich.

Millang Bros., 41 W. 28th St., New York.

Murdoch, J. B. & Co., 714 Penn Ave., Pittsburg, Pa.

Niessen Co., Leo, 1208 Arch St., Philadelphia.

N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.

Perkins & Nelson, 57 W. 26th St., New York.

Pittsburg Cut Flower Co., Ltd., 222 Oliver Ave., Pittsburg, Pa.

Pittsburg Florists' Exchange, 217-223 Diamond St., Pittsburg, Pa.

Pollworth, C. C. Co., Milwaukee, Wis.

Randall, A. L., Co., 19 Randolph St., Chicago.

Raynor, John I., 49 W. 28th St., New York.

Rice Bros., 128 N. 6th St., Minneapolis, Minn.

Robinson, Henry M. & Co., 11-15 Province St., Boston.

Seligman, John, 56 W. 26th St., New York.

Sheridan, Walter F., 39 W. 28th St., New York.

Smith & Co., W. C., 1316 Pine St., St. Louis.

Traendly & Schenck, 44 W. 28th St., N. Y.

Vaughan & Sperry, 58-60 Wabash Ave., Chicago.

Welch Bros., 226 Devonshire St., Boston.

Winterson, E. F. Co., 45-49 Wabash, Chicago.

Young, A. L. & Co., 54 W. 28th St., N. Y.

Young, John, 51 W. 28th St., New York.

Young & Nugent, 42 W. 28th St., New York.

Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76-78 Wabash, Chicago.

Benthey & Coatsworth Co., The, 35 Randolph St., Chicago.

Bruns, H. N., 1409-11 W. Madison St., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Elliott, W. H., Brighton, Mass.

Hill, The E. G. Co., Richmond, Ind.

Jensen & Dekema, 674 W. Foster Ave., Chicago.

Joy Floral Co., 601 Church St., Nashville, Tenn.

Muskogee Carnation Co., Muskogee, Okla.

Peacock Dahlia Farms, Atco, N. J.

Poehlmann Bros. Co., 35-37 Randolph, Chicago.

Reinberg, Peter, 51 Wabash Ave., Chicago.

Weiland & Olinger, 128 E. 3rd St., Cincinnati, O.

Weiland & Risch, 59 Wabash Ave., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

Wittbold, Geo. Co., 1657 Buckingham Pl., Chicago.

Woodrow, Samuel A., 53 W. 30th St., N. Y.

RETAIL CUT FLOWERS.

Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree St.

Albany, N. Y.—H. G. Eyers, 11 N. Pearl St.

Boston—Houghton & Clark, 396 Boyleston St.

Brooklyn, N. Y.—Robt. G. Wilson, Fulton St. and Green Ave.

Buffalo, N. Y.—Palmer's.

Chicago—Hauswirth Florist, Auditorium Annex.

Chicago—Wittbold, Florist, 1657 Buckingham Place.

Dayton, O.—Mathews, 16 W. 3rd St.

Denver, Colo.—Daniels & Fisher.

Denver, Colo.—The Park Floral Co.

Detroit, Mich.—John Breitmeyer's Sons, cor. Miami and Gratiot Aves.

Evansville, Ind.—The Blackman Floral Co., 402 Main St.

Galveston, Tex.—Mrs. M. A. Hanson.

Indianapolis, Ind.—Bertermann Bros. Co., 241 Mass. Ave.

Kansas City, Mo.—Alpha Floral Co., 1105 Walnut St.

Kansas City, Mo.—Geo. M. Kellogg, 906 Grand Ave.; also Pleasant Hill, Mo.

Kansas City, Mo.—Samuel Murray, Coates House Co., 1017 Broadway.

London, Eng.—Wills & Segar, Onslow Crescent, So. Kensington.

Los Angeles, Calif.—J. W. Wolfskill, 218 W. 4th St.

Louisville, Ky.—J. Schultz, 644 4th Ave.

New Orleans, La.—U. J. Virgin, 833 Canal St.

New York—M. A. Bowe, 1294 Broadway.

Omaha, Neb.—Hess & Swoboda, 1415 Farnam St.

Philadelphia, Pa.—Robt. Kift, 1725 Chestnut St.

Rochester, N. Y.—J. B. Keller Sons, 25 Clinton St.

San Francisco, Calif.—J. B. Boland Co., 60 Kearney St.

St. Louis, Mo.—Fred C. Weber, 4320-28 Olive St.

St. Louis, Mo.—Young's, 1406 Olive St.

St. Paul, Minn.—Holm & Olson.

Seattle, Wash.—Woodland Seed & Floral Co., 808 2nd Ave.

Terre Haute, Ind—Jno. G. Heinl & Son.

Washington, D. C.—Z. D. Blackistone, 14th and H Sts., N. W.

Washington, D. C.—A. Gude & Bro., 1214 F St.

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Artificial poinsettias. J. Schroeder, 2253 Ontario St., Cleveland, O.

BOILERS.

Boilers, corrugated, firebox and sectional greenhouse heating. Hitchings & Co., 1170 Broadway, New York.

Boilers, improved greenhouse boilers, made of best material; shell firebox sheets and heads of steel; water space all around (front, sides and back). Kroeschell Bros Co., 45 Erie St., Chicago.

Boilers, the Superior improved internal fired boiler. Made in 10 sizes to heat from 2,000 to 6,500 feet of 4-in. pipe. Superior Machine and Boiler Works, 125-133 W. Superior St., Chicago.

Boilers, Myers & Co., 1122 Betz Bldg., Philadelphia.

Boilers, the Burnham boilers, made for greenhouse heating. Lord & Burnham Co., 1133 Broadway, New York.

Boilers, boilers of high grade for greenhouses. Steam or hot water. Giblin & Co., Utica, N. Y.

Boilers, steel return tubular, steam or water. Johnston Heating Co., 138 E. 31st St., N. Y.

Boilers, water tube steam boilers. King Construction Co., North Tonawanda, N. Y.

Economy hot water heater. Thomas & Smith, 24 So. Carpenter St., Chicago.

Boilers, S. A. Jacobs & Sons, 1365 N. Flushing Ave., Brooklyn, N. Y.

BOXES.

Cut flower boxes. Send for prices. Edwards Folding Box Co., Philadelphia, Pa.

If you do not find what you need in our Ready Reference Department, write us about it.

BUILDING MATERIAL.

Building material, hotbed sash, cypress, unglazed, 95c each; in doz. lots, 90c; glazed, $1.65 each; doz. lots, $1.60. Pine sash, unglazed, 90c; doz. lots, 85c; glazed, $1.60; doz. lot, $1.55 each. Building hardware, wire and wire fencing bolts, hatchets, hammers, etc. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Building material, cypress sash bars, Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pipe fittings, and all supplies needed in new or reconstruction work. Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Building material, lumber for greenhouse benches, shiplap, drop siding, sheeting, flooring, white cedar posts, etc.. We are in special position to furnish "Pecky Cypress;" everything in pine and hemlock building lumber. Adam Schillo Lumber Co., cor. Weed and Hawthorn Sts., Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Deitsch Co., 617 Sheffield Ave., Chicago.

Building material for U-bar greenhouses. Pierson U-bar Co., Metropolitan Bldg., 4th Ave. and 23rd St., New York.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouses and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Headquarters in Canada for Cypress Sash Bars or anything in wood for building purposes. Established 1851. John B. Smith & Sons, Ltd,. Toronto, Can.

Building material of all descriptions for all cypress, semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Building material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 113 Blackhawk St., Chicago.

Building and propagating sands, fire brick and fire clay. Portland cement, hard wall plaster. Garden City Sand Co., Security Bldg., Chicago.

Greenhouse material, Louisiana red cypress. Louisiana Red Cypress Co., Hibernia Bldg., New Orleans.

Building material of all kinds. S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Building material of all kinds. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn.

FERTILIZERS.

Dried and ground SHEEP MANURE. Nature's product unadulterated. For particulars address Natural Guano Co., Aurora, Ill.

Wizard brand pulverized sheep manure, large barrel, $4. The Pulverized Manure Co., 32 Union Stock Yards. Chicago.

GLASS.

Glass importers and jobbers; greenhouse glass a specialty. Window glass. James H. Rice, corner Michigan, St. Clair and Illinois Sts., Chicago.

Glass, greenhouse glass a specialty; also window glass. Sprague, Smith & Co., 167-9 Randolph St., Chicago.

Glass. French and American "White Rose." Stenzel Glass Co., 2 Hudson St., New York.

Glass. High grade, double thick, greenhouse glass. Lord & Burnham, 1133 Broadway, N. Y.

Glass, all sizes. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn, N. Y.

Glass of all sizes. S. Jacobs & Sons, 1365 N. Flushing Ave., Brooklyn, N. Y.

Glass of all kinds and sizes. Sharp, Partridge & Co., 22nd and Lumber Sts., Chicago.

Glass, greenhouse, all sizes. H. M. Hooker Co., 120-128 W. Washington St., Chicago.

GLAZING POINTS.

Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Siebert's zinc never-rust glazing points, 2 sizes, ⅝ and ⅞. 40c per lb.; 16c extra by mail; 7 lbs., $2.50; 15 lbs., $5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburg, Pa.

Glazing points, Lord & Burnham special glazing nails (points). Lord & Burnham Co., 1133 Broadway, New York.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of modern greenhouses. Myers & Co., 1122 Betz Bldg., Philadelphia.

Greenhouse construction, builders of greenhouses for private estates, institutions, parks, etc. Pierson U-bar Co., Metropolitan Bldg., 4th Ave. and 23rd St., New York.

Greenhouse construction, builders of every type of greenhouses, the most modern designs. Hitchings & Co., 1170 Broadway, N. Y.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 113 Blackhawk St., Chicago.

Greenhouse construction of all kinds and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Greenhouse construction, builder of private or commercial greenhouses. Frank Van Assche, Fulton and Rose Ave. and Dwight St., Jersey City, N. J.

Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction and equipment. King Construction Co., North Tonawanda, N. Y.

GUTTERS.

Gutters, cast-iron. Lord & Burnham Improved V-shaped gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, New York.

Gutters. Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

HOSE.

Hose, garden, ¾-in., 4c per ft. Competition garden hose, ¾-in., 50 ft. lengths with couplings, $2. Standard grade, ¾-in., 50 ft., lengths with couplings, 3 ply. 7c per ft.; 4 ply, 9c; 5 ply, 10c. Hose reels, 75c each. Sprinklers, 25c. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Hose, 50-ft. lengths, ¾-in., 8½c; for heavy work, 12½c. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn, N. Y.

A. "SHOWERMAKER," $1. Jos. Kopcsay, So. Bend, Ind.

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Fresh tobacco stems; 50c per 100 lbs.; $10 per ton. Scharff Bros., Van Wert, O.

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Florists' overdue accounts and bad debts collected by the National Florists' Board of Trade, 56 Pine St., New York.

Heller's mice-proof seed cases and bins. Heller & Co., Montpelier, O.

PAINT, PUTTY, ETC.

Paint, Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, New York.

Paint, putty, etc. The Jas. H. Rice Co., cor. Michigan, St. Clair and Illinois Sts., Chicago.

Putty, paint, etc. H. M. Hooker Co., 120-128 W. Washington St., Chicago.

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Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U-bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Pipes and fittings, cast iron and wrought pipe, valves, elbows, pipe hooks, automatic air headers, etc. Lord & Burnham Co., 1133 Broadway, New York.

Iron fittings, patent iron bench fittings and roof supports. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Pipe fittings, etc. S. Jacobs & Sons, 1365 N. Flushing Ave., Brooklyn, N. Y.

Pipes, valve fittings. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

POTS, PANS, ETC.

Pots, florist red. Peters & Reed Pottery Co., Zanesville, O.

Pots, standard seed pans, cut flower cylinders, hanging baskets, lawn vases, etc. Hilfinger Bros. Pottery, Ft. Edward, N. Y.

Pots, standard flower pots. The Whilldin Pottery Co., Philadelphia, Pa.; Jersey City, N. J.; Long Island City, N. Y.

Pots, red standards, full size and wide bottoms. Detroit Flower Pot Mfy., 490 Harvard St., Detroit, Mich.

Pots, red standard. Paducah Pottery Co., Paducah, Ky.

Pots, before buying write for prices. Geo. Keller & Son, 361-63 Herndon St., near Wrightwood Ave., Chicago.

Pots, red standard azalea pots. The Keller Pottery Co., 213-223 Pearl St., Norristown, Pa.

Pots, pots of all kinds. A. H. Hews & Co., No. Cambridge, Mass.: Long Island City, N. Y.

Pot hangers. Kramer's $1 doz. exp., $1.25 mail. I. N. Kramer & Son, Cedar Rapids, Ia.

Paper flower pots, 500,000. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Pots and azalea pans. Twin City Pottery Co., Minneapolis, Minn.

Pots, standard, all sizes. A. F. Kohr, 1521 Leavitt St., Chicago.

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Pots. Syracuse red. Syracuse Pottery Co., Syracuse, N. Y.

Pots. Ionia Pottery Co., Ionia, Mich.

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Supplies of all kinds. E. F. Winterson Co., 45-49 Wabash Ave., Chicago.

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Supplies of all kinds. H. M. Robinson & Co., 8-11 Province St., Boston.

Supplies and wire designs. Weigel & Ujfalussy, 136-138 W. 28th St., New York.

Supplies, wire designs, etc. The Cleveland Cut Flower Co., 215 Huron Road, Cleveland, O.

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Toothpicks, wired, 10,000, $1.75; 50,000 $7.50. W. J. Cowee, Berlin, N. Y.

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Ventilating apparatus. Send for circulars. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Ventilating apparatus for every type of greenhouse. New model encased, self-oiling gear. Standard Model Open Gear. Lord & Burnham Co., 1133 Broadway, New York.

Ventilators, the Standard ventilating machinery, original machine with self-oiling cups, most powerful, least complicated, very compact. E. Hippard, Youngstown, O.

Foley ventilating apparatus, unexcelled. Send for circulars and estimates. The Foley Mfg. Co., Western Ave. and 26th St., Chicago.

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Sweet Pea Damping Off.

During last July, when sweet peas were about one-third to one-half grown, occasional vines showed evidence of trouble by turning yellowish, wilting, and finally drying up entirely, says the report of the Connecticut Agricultural Experiment Station. An examination of such plants showed that they were more or less separated from their roots near the surface of the ground by a reddish-brown rot. Microscopic examination of the injured tissues revealed the presence of fungus, pythium or rhizoctonia, as the cause of the injury. Although the trouble was quite common, usually enough plants escaped to make a fair stand. As manure encourages the growth of such fungi, it should be used with care, especially at the surface of the ground. The cold, backward spring was apparently largely responsible for the unusual amount of damping off this year.

YOUNGSTOWN, O.—Business has been rushing right along, according to John Walker, of the Crab Creek greenhouses.

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For the Garden, Orchard and Greenhouse
Non-poisonous and harmless to vegetation.
Kills Green Fly, Aphides, Bark Lice, Thrips, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

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Actual size of leaf 2¾ x 5¼ inches.

FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Price: Per 500, $2.85, per 1000 $4.50. Samples on request. Electro of leaf, postpaid, $1.25. Cash with order.

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324 Dearborn St., CHICAGO.

Landscape Gardening for Amateurs.

BY B. P. WAGNER.

An excellent treatise on landscape gardening as it applies to beautifying the home grounds. It is written by a thoroughly experienced practitioner and contains many fine illustrations showing the correct methods of treating grounds of all kinds, yard and factory premises. Its low price should insure it a ready sale. Price $1.00, illustrated.

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SPOKANE BRIDGE, WASH.—Miss Cora Hicks of this place and Nels Walen of Post Falls were married in Spokane, May 20. Mr. Walen has an interest in the big south side greenhouse at Post Falls.

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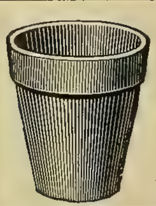

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THE LARGEST MANUFACTURERS OF
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DREER'S
Florist Specialties.
KEYSTONE CEDAR PLANT TUBS.

	Diam.		Each.	Doz.	100.
A	11	in.	.65	7.15	55.00
B	12¼	"	.75	8.25	65.00
C	13¼	"	.85	9.35	75.00
D	14¼	"	1.00	11.00	90.00
E	15¾	"	1.25	13.75	110.00
F	16¼	"	1.50	16.50	130.00

Three largest sizes have handles.

Special PAIL TUBS.

8 inches.	.30	3.50	28.00
11 "	.30	3.50	28 00

Painted Green.

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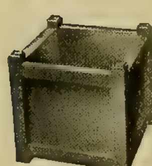

Are the best and cheapest plant boxes in the market for large plants. boxwoods, bay trees, etc. They are attractive in design, strong and durable. Suitable for either outdoor and indoor use. Write for prices.

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FLORISTS' SUPPLIES
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in **Glassware, Pottery, Decorative Greens and all Florists' Requisites.**

MELROSE, CALIF.—During June branches of the Juvenile Horticultural Society will be organized in San Francisco, San Leandro, Hayward and San Rafael. The society is increasing its membership rapidly. Branch Melrose alone has a membership of 200. Most of the branches hold weekly meetings at which children are instructed in budding, grafting, planting, transplanting, pruning, making of cuttings, etc. The great interest taken in these meetings by the children, by their parents and by the public in general, has surpassed all expectations and a great many instructors will soon be needed.

THE KELLER POTTERY COMPANY,
Manufacturers of **FLORISTS' RED STANDARD POTS.**
Azalea Pots, Bulb and Fern Pans, Etc.
Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

The Ionia Pot is the Best Pot.
That's the reason why it was necessary to double our capacity in 1907 to take care of the trade of 1908. Our factory equipment is the best. Our output is the largest.
Hand your next season's order to Uncle Sam today. Our invoice will be in your hands on his return trip.
IONIA POTTERY COMPANY, Ionia, Mich.

Standard Flower Pots!
Packed in small crates, easy to handle.

Price per crate			Price per crate		
1500	2-in., in crate,	$4.88	120	7-in., in crate,	$4.20
1500	2¼ "	5.25	60	8 "	3.00
				HAND MADE.	
1500	2½ "	6.00	48	9-in., in crate,	$3.60
1000	3 "	5.00	48	10 "	4.80
800	3½ "	5.80	24	11 "	3.60
500	4 "	4.50	24	12 "	4.80
320	5 "	4.51	12	14 "	4.80
144	6 "	3.16	6	16 "	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address

HILFINGER BROS. POTTERY, Fort Edward, N.Y.
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Before buying write for prices.
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Price List Standard Red Flower Pots

size	Per 1000	size	Per 1000
1½-in flower pots..	$ 2.50	3 -in flower pots..	$4.50
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2 -in flower pots..	3.00	4 -in flower pots..	7.90
2¼-in flower pots..	3.50	4½-in flower pots..	10.00
2½-in flower pots..	3.90	5 -in flower pots..	12.00
6 -in flower pots..	20.00		

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Kramer's Pot Hangers
For Sale by Wholesale Seedsmen, Florists and Supply Dealers.
Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.
I. N. Kramer & Son, CEDAR RAPIDS, IOWA.

Those Red Pots
"STANDARDS"
FULL SIZE AND WIDE BOTTOMS,
BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'F'Y.
HARRY BALSLEY, Rep. DETRIOT, MICH. 490 Howard St.

Florist's Red Pots
OF FINELY PREPARED CLAY.
Process and catalogue sent on request.
The Peters & Reed Pottery Co, ZANESVILLE, OHIO.

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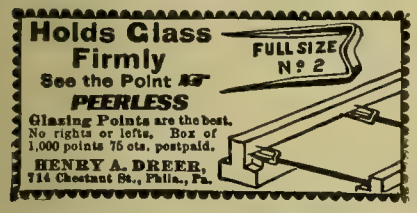
Porosity and Strength Unsurpassed.
Write for Prices.
A. F. KOHR,
1521 Leavitt Street, CHICAGO

LOCKPORT, ILL.—The floral wreaths and designs at the funeral of the late Thos. Corbley were very fine and varied.

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.



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Never Rust
GLAZING POINTS
Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes ⅝ and ⅞. 40c per lb., by mail 16c extra; 7 lbs. for $2.50 15 lbs. for $5.00 by express. For sale by the trade

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GREENHOUSE GLASS.
French and American "WHITE ROSE" Brand.
2 Hudson St., NEW YORK.

Tarrytown, N. Y.

The regular monthly meeting of the Tarrytown Horticultural Society was held May 29, with President Angus in the chair. The following were elected active members of the society: George Begg, John McGregor and Alexander Mark and one application was received. For this meeting J. W. Lindsay had offered prizes for the best exhibits of cut flowers from shrubs and hardy herbaceous plants. Two fine lots were exhibited by John Woodcock, gardener to General McAlpin, Ossining, and Alexander Maitland, gardener to Carroll Dunham, Irvington, which won in the order named.

The annual June exhibition will be held in the Music hall June 12, and we hope that every member will try to make an exhibit of flowers or plants and help to make this exhibition a success. Exhibition free to all interested. Schedules for this, also the November exhibition, are ready and will be sent to all interested. Apply to Secretary E. W. Neubrand, Tarrytown. Subjects and exhibits for next meeting will be "Shrubs and Hardy Perennials." L. A. M.

PITTSBURG, PA.—The $12,000 mausoleum which George E. Smith or "Pittsburg Phil" built for himself here years before he died was on Memorial day adorned in a most unusual way. William Smith of New York, a brother of the dead man, had a life-size floral horse mounted on his brother's tomb on Friday and dedicated by Mr. Smith and some New York friends on Saturday morning. One of the specifications for the floral horse was that it contain not fewer than 3,000 white carnations.

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Will explain to you the continuous growth of our business.
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Highest Quality. Lowest Prices. Immediate Shipments.

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White as Snow. Ready for Use.
Tough as Leather.
Half Barrels (25 Gals.) per gal., $1.40. 5 Gal. Buckets, per gal., $1.50.

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PARIS GREEN
Absolutely Pure.
Net Weight Packages. Lowest Prices.

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IMPORTERS and JOBBERS
GREENHOUSE GLASS
A SPECIALTY.
Window Glass, Paint, Putty, etc.
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SPRAGUE, SMITH CO.
Jobbers of WINDOW GLASS.
GREENHOUSE GLASS
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167-169 Randolph Street, CHICAGO.

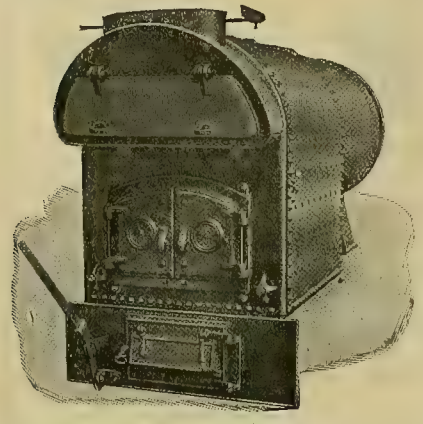
FAR ROCKAWAY, N. Y.—John F. Marsden on turning the corner of Mott and Franklyn avenues in his automobile May 23, collided with one coming in the opposite direction. After having his wounds dressed he was able to proceed to his home. Both cars were wrecked.

BELLAIRE, O.—Considerable damage was done here by the recent storm.

BATH, N. Y.—Henry L. Drummer has filed a petition in bankruptcy. His debts amount to $1,110.32 and his assets amount to $500.

STEEL RETURN TUBULAR

Steam **BOILERS** Water



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Gentlemen —The internally fired steel boilers which you installed last fall are giving us great satisfaction. They heat very quickly and are very economical. We are exceedingly well pleased with them and they have more than met our expectations. Very truly yours, F. R. PIERSON CO.

Johnston Heating Co., 138 East 31st St. NEW YORK CITY
Write for catalogue and prices.

Cattle Manure In Bags Shredded or Pulverized

Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.
The Pulverized Manure Co.,
32 Union Stock Yards, Chicago

Wired Toothpicks

10,000, $1.75; 50,000, $7.50. Manufactured by
W. J. COWEE, BERLIN, N. Y.
Sample free. For sale by dealers.

Providence.

STOCK PLENTIFUL.

As usual, the lesson learned is that stock is rarely as scarce as predicted, the last day finding enough to do with. Even carnations, so freely prophesied wanting, were in evidence after the rush work was over. Roses were plentiful in all colors, and wholesaled from 2 to 8 cents, although the hot weather made smaller buds which did not make a large show in bouquets. Ten week stocks in pink, red, white and lavender shades were in good wholesale demand at 2 and 2½ cents, and of course made the best possible filling for bunches. Carnations were all prices from 2 to 5 cents wholesale, and the high figures were the cause of light buying on the part of the storemen. The very hot weather gave them a set back, very few flowers lasting at all well. White carnations were most in evidence at 2 cents and kept best of any. Spirea, candytuft and peonies complete the list of stock used. Lilacs were entirely gone.

May 30.—Business was slightly larger than last year, but on Memorial day fell away considerably, although there is no apparent reason for it doing so. This statement applies to cash receipts, most of the bouquet buyers paying cash before delivery, thereby making the day previous the busy one. The weather on Memorial day was inclement, several showers, all day cloudy and close.

M. M.

Iron Reservoir Vases...

Nearly 100 styles and sizes ranging in price from $6.00 to $100.00 each.

These vases are made with a reservoir for water, from which a constant and even supply of moisture is drawn by capillary attraction, and they do not need watering oftener than once in ten or fifteen days. Thousands of Reservoir Vases are in use on lawns and in cemeteries all over the country. Our prices are no higher than those of ordinary vases. Catalogue sent on application. Liberal terms to dealers.

WALBRIDGE & CO.,
BUFFALO, N. Y.

L. BAUMANN & CO.,
76-78 Wabash Avenue, CHICAGO.
THE GREAT CENTRAL FLORIST SUPPLY HOUSE.
Everything in Florist Supplies such as Baskets, Chiffons, Etc., Etc.
For **School closings** and **June Weddings.**
Send for our complete catalogue.

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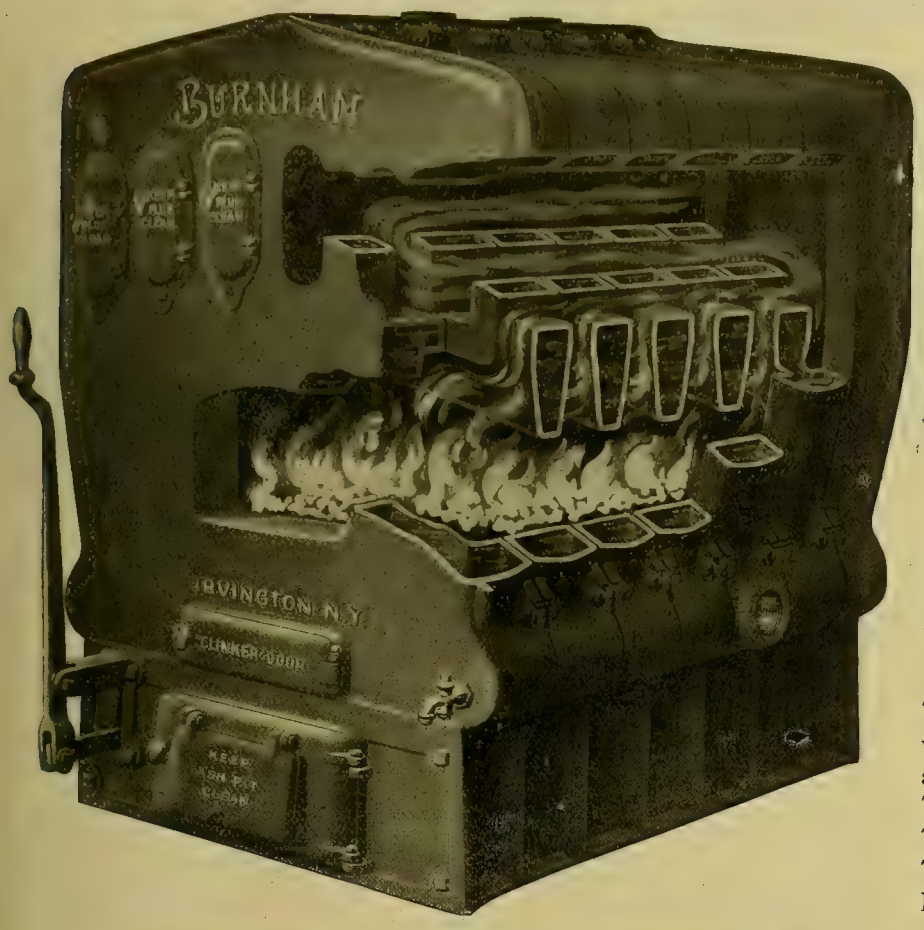

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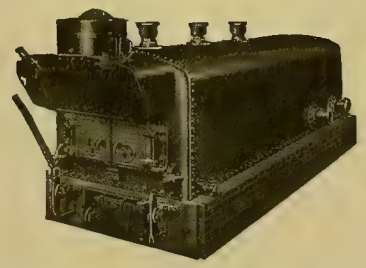

BROOKLYN, N. Y.—More than 100 beautiful floral tributes were sent to the funeral of the late Peter F. Dailey, the actor.

EAST LIVERPOOL, O.—The Lake Newell Floral Co. has been renting temporary down-town quarters during the plant season to dispose of its fine stock of geraniums and other bedding stock.

IONIA, MICH.—Our Decoration day trade here was a record breaker. It seems that everything with the sign of a "posy" on it went. Both M. Weterling and D. L. Vincent had an excellent stock of geraniums. M. Weterling had an exceptionally fine lot of perpetual roses in pots, some of them with from 12 to 15 blooms and buds. The cemeteries here are a sight long to be remembered. M.

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The Allied Trades

Descriptive particulars—with drawings or photographs, if possible—of any new apparatus or device which may prove helpful to the trade are solicited for this department.

ELSEWHERE in this issue will be found a very interesting illustrated article on "The Evolution of the Greenhouse."

Now that the time for firing is practically over summarize your season's experience with boilers and compare notes with manufacturers as well as with neighbors.

A New Greenhouse Gutter.

J. H. Rice, of Ashtabula, O., has patented a new greenhouse gutter that appears to be a move in the right direction. Mr. Rice some years ago, being confronted with the erection of a large greenhouse plant, cast about for something original and superior to anything he could find on the market in the construction of the gutters. Durability, stability and the ability to keep snow and ice off the roof were the points he was looking for and also to prevent the ends of the wooden sash bars from being exposed to the heat and moisture. Without going into details fully at this time we may say that according to the drawings and specifications Mr. Rice has submitted to us he appears to have accomplished his end.

There are specifically two gutters, the lower one forming also the plate and both, being exposed to the interior temperature of the house, keep from freezing. The under gutter may be arranged to run into the hollow tubes used to support the roof or all the water may be taken to a point. Being in short sections the expansion and contraction from heat and cold is well arranged for so that no buckling from heat or snapping from cold can take place. The roof of the houses is rendered absolutely drip proof as the culvert in the drip bar is continued in the shoe-like plate which ends the rafter and this carries the water to the inner or lower gutter. These brackets may be removed with ease for painting the rafters thus adding much to the life of the latter and every precaution as to rigidity, ease of fixing glass and absolute effectiveness as a gutter appears to have been taken. We hope to refer to this gutter again, giving fuller particulars, and in the meantime Mr. Rice will be pleased to hear from anyone interested and is prepared to execute any orders that may come his way.

Talks on Greenhouse Material

No. 7.

Did you ever go out to buy a horse from a stranger? You were pretty careful about making a deal weren't you? If you went to some old friend or a man that you knew was honest and he made you the right price you would have bought the horse with a feeling that you were getting your money's worth. And if you didn't get what was right you were pretty sure that it would be made right.

It is about the same kind of a deal when you buy greenhouse material. There are a hundred and one points to be considered and unless you are thoroughly acquainted with greenhouses and an expert judge of cypress you will not know whether you get the right quality of material or not. If you buy from somebody that you don't know you want to be careful. You can't tell a horse until you give him a trial and it's just the same with greenhouse material—you have got to use it for a few years to know whether you got value for your money, unless you are an expert. Why not buy from a firm that is recognized everywhere as a fair concern? We will be honest with you. Our cypress expert knows all the defects and they go into the kindling pile in place of into the greenhouse.

Our 96 page catalog shows many views of ranges that we have furnished in all parts of the country and tells all about our material. Copy of it will be sent anywhere free on request. Get one of these catalogs and then let us talk to you about our way of doing business and about the material which we make.

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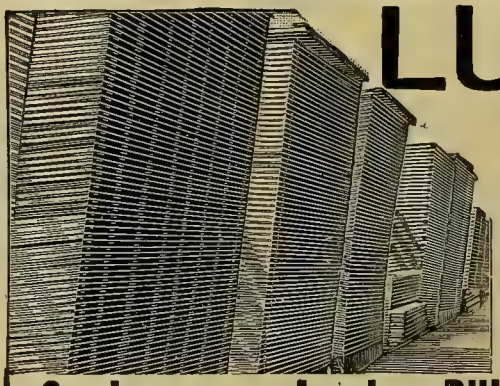

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Vol. XXX. **CHICAGO AND NEW YORK, JUNE 13, 1908** **No. 1045**

THE AMERICAN FLORIST

TWENTY-THIRD YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—FRANK H. TRAENDLY, New York, Pres.; W. N. RUDD, Morgan Park, Ill., Secy.; H. B. BEATTY, Pittsburg, Pa., Treas. Next meeting at Niagara Falls, N. Y., August 18-21, 1908.

THE NATIONAL FLOWER SHOW.

CHICAGO, November 6-15, 1908.

Wm. F. Kasting, Buffalo, N. Y., is chairman of the general committee in charge. Chairmen of sub-committees follow:

EXECUTIVE AND FINANCE—Wm. F. Kasting, Buffalo, N. Y.
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TREASURER—I. C. Bertermann, Indianapolis, Ind.

The above chairmen have power to select their Various committees from the general committee of 50 or the members of the S. A. F. at large.

THE AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Annual convention at the twin cities, St Paul and Minneapolis, Minn., August 11-14, 1908. JOHN F. COWELL, Buffalo, N. Y., president; F. L. MULFORD, Harrisburg, Pa., secretary-treasurer.

AMERICAN PEONY SOCIETY.

Fifth annual meeting at Ithaca, N. Y., June 19-20, 1908. C. W. WARD, Queens, N. Y., Pres.; A. H. FEWKES, Newton Highlands, Mass., Sec'y.

Danger Still.

Lives of fruit crops all remind us
That till June the frosts may kill,
And when they are left behind us
Bugs may work great mischief still.

SUGGESTIONS FOR PLANT GROWERS.

Dracena Indivsa.

The seedlings will now be fit for potting up and may be attended to as soon as room is made for them. Any good light position either on the benches in the greenhouse or in a frame will suit the young plants and they should be stood pot thick at first. In potting, or rather in standing the plants, keep all the strongest and best by themselves and gradually bring them down to the smallest as in this way watering can be more easily done. Repeat this each time the plants have a new stand during the summer and give them more room as the foliage develops. Shake out and repot any cut back plants and pot up the young ones raised from stem eyes and cuttings and treat them as advised for the seedlings. If any show signs of flowering pinch out the flower stems on sight.

Hardwooded Plants.

The majority of the hardwooded plants such as heaths, boronias, azaleas, metrosideros and others as they go out of flower are trimmed back a little and are now in most cases ready to go outside. The best position for azaleas is one slightly shaded, but the heaths, boronias and cape plants generally like the full sun. But only to the heads; the roots must be carefully protected and the best way to do this is to plunge the pots in plant protectors up to the rims in coal ashes. The rows should not be be arranged due north and south or east and west, but diagonally as in this way each plant gets its full share of sunlight and at various times in the day. The greatest care is necessary in watering this class of plant. One day's drying under a hot sun is fatal to a fine rooted heath but on the other hand a constantly wet sodden condition is to be avoided. Go over the plants carefully daily and water thoroughly those that are beginning to dry out and give enough to thoroughly soak every particle of soil in the pot. When driblets of water are given daily the most experienced plantsman could not tell with any accuracy how the plants are for water.

Oleanders.

The oleander is so frequently seen in a totally neglected condition, lying around in some dry, draughty greenhouse, that we are apt to forget what a fine plant it is when given reasonable attention. Cuttings will root at any time and soon grow into fine plants. All they want is plenty of moisture and a reasonable amount of warmth and the plants when rooted need the same conditions. While it would probably not pay to grow a large number of them, there are always customers who are looking for something a little out of the way of ordinary market plants, also many who like the oleander for association's sake and it is certainly worth trying out on a small scale as a side line. There is plenty of room now in the propagating houses and the present is as good a time as any to select cuttings from flowerless wood.

Primulas.

Neither the Chinese primulas or P. obconica like forcing and they cannot be hastened any by giving great heat, rather the other way round. What they all delight in is a cool, airy atmosphere. with sufficient moisture to prevent a parched, hard condition, and a light shade. By midsummer all the primulas, seedlings and old plants or divided up stock of the doubles, should be out of the houses and exposed in protectors or frames. If in the ordinary glass covered frames, the sash should be raised or removed altogether and a shade of linen stretched above the frames, high enough to be able to work the hose underneath it. We have frequently described the method of preparing the frames for this class of plant, so need only say be careful to stand the plants or flats level to take water and give them plenty of room. The primula, in most of its varieties, is a moisture loving plant and, provided the pots are well drained and an open, well divided compost is used, the plants need a lot of water when growing freely. It is the stunted, checked and badly rooted stock that becomes waterlogged and unhealthy when watered somewhat heavily. Endeavor

then to keep the roots active and the foliage will soon be spreading out and the plants capable of taking a very fair quantity of water. Never allow the plants to be stunted or checked in any way. As soon as the young seedlings are in the rough leaf let them be pricked off carefully with the seed leaves just resting on the surface soil and when watered they will just stand clear. Plants swinging or pricked in so deeply that the soil covers the heart cannot thrive. Although light spraying overhead in fine weather is helpful, this must be gone about with caution. The plants will not stand heavy douches of water. Have a moderate force on the hose, keep the finger tight on the nozzle, and spray freely all around and between the pots several times daily. Look over the plants for water daily about a couple of hours after the first damping and in dull weather keep the hose away from them. Follow up repotting as it becomes necessary by the various batches.

Bougainvilleas.

The cuttings struck recently may be potted up now, and when re-established may go outside in frames or be well spread out on a light bench in a cool house. Cut-back plants repotted recently will by now be making a good growth. Any chance flowers that appear should be picked off and every endeavor made to get a healthy, vigorous growth into the plants early so that this may be well ripened by exposure to the full sun and air later in the season. The young stock should be pinched often enough to produce about four or five good shoots and then allowed to grow at liberty unless a plant produces a shoot that takes an undue lead when this may also be pinched to balance the plants a little. Stock may also be planted out if necessary, but the check it receives in lifting and potting in fall probably outweighs any advantage over keeping the plants in pots. In either case practically outdoor culture is necessary and the growth must be consolidated as it is made and kept free of insects. Pot firmly in a good, sound, loamy compost.

Jerusalem Cherries.

When the plants are well established in 2½-inch pots and before they get hard or potbound, plant them out in a well prepared border. If allowed to get too hard in the pots, they usually commence flowering and then healthy growth is out of the question for a time at least. Growers who have handled these plants for years, have usually a favorite place for growing them, and those who have not should experiment until they find the spot that suits them best. In any case the soil should be in good heart, but not over rich and when planting must be well and firmly trodden to ensure a solid growth. The shoots must be pinched every two weeks until they show signs of flowering and, if dry weather occurs, must be frequently watered and sprayed to keep down insects and maintain a healthy growth. Just at flowering time a slightly drier condition tends to a better set of berries and by September 1 they should be well set. Never plant in a dense shade, but always in an open, sunny spot. The plants will be fit for lifting by the end of September or earlier in localities where early frosts are troublesome.

THE RETAIL TRADE

"BECAUSE a customer is easy and does not mind paying a good price, don't soak the life out of him," says a prominent, successful retailer. "Get a fair profit and give good service and the customer will be retained."

A Pretty Wedding.

A very pretty wedding was that of Miss Joella Holdsworth, of Passaic, N. J., who was married to Richard Irving Outwater, of the same city, June 4. A. Ehmann, of Broadway, New York, had turned the spacious house into a green and floral bower. The color scheme was pink and white, but there was a predominance of fresh green, great boughs of oak leaves giving the rooms a grove-like appearance. The ceremony was performed in the parlor under a large sea-shell bower of lilies and white sweet peas, with many tiny incandescent lights intermingled with the flowers. The bower, from the center of which hung a wedding bell of Bride roses, was flanked on either side with large towering palms, entwined with dainty ferns and foliage. A floral aisle in front of the bower added to the beautiful effect. In the dining room and hall was a profusion of tropical palms, rare ferns and smilax, interspersed with pink carnations and roses, large clusters of hydrangeas and groups of marguerites. All over the house, in every possible nook, were plants and flowers. The decorative effect was charming.

Miss Holdsworth was a charming bride. Her gown was of white chiffon cloth, trimmed with duchesse lace, and her veil was caught up with a wreath of white myrtle and orange blossoms. She carried a bouquet of Bride roses, showered with lily of the valley. Her maid of honor carried a bouquet of Killarney roses, showered with pink sweet peas. The bridal party were preceded by two flower boys, who carried baskets of pink and white sweet peas and strewed the bride's path with flowers.

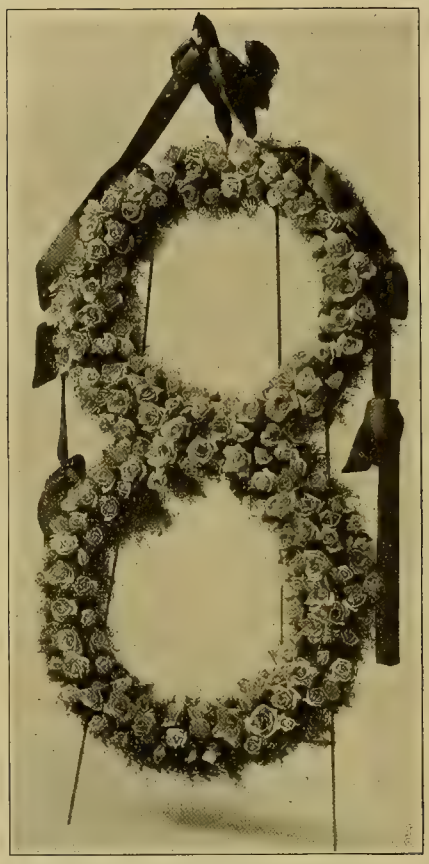


Figure Eight by The Rosery, Albany, N. Y.

Fine Figure of Eight.

The accompanying illustration shows a fine figure of eight made by Meaney & Tracey proprietors of the Rosery, 76 Maiden Lane, Albany, N. Y. It was made of Killarney roses with green satin ribbons, the whole standing on an easel and surmounted by a stuffed game cock; height, eight feet. It was made on order of friends of successful candidate for alderman who was seated after long and stubborn contest in the courts.

R. D.

An Artistic Violet Cross.

The accompanying illustration shows a very pleasing and artistic cross of violets overlaid with other choice flowers, by Carl Oberheitmann, of New York. There is nothing commonplace about this and the artist has departed a little from the usual method of treating such crosses with very good effect. Every flower shown has its natural pose. The cattleyas might be growing there, while the Madonna lilies and the spikes of cymbidium are perfectly natural and consequently graceful. It would be well if decorators would study this natural pose of the flowers they use a little more. They would get far better results.

A Fragrant Affair.

Recently a young man, accompanied by two ladies, blew into Levy's cafe, straight from Chicago, and before consulting the menu asked the head waiter to connect him by 'phone with some flower store, saying that for the hour or two he had been in Los Angeles he had seen at least 100 women with bouquets du corsage of violets, and that he wanted some for his two ladies, who had never before seen such beautiful violets in the middle of winter. He was at once put on to a near-by floral emporium and in a hurry ordered $6 worth. And what was the hilarious surprise of the young tenderfoot and his two companions when the dealer made his appearance with the 60 bunches of violets and the bill for $6. But in the happiest manner the recipient selected two of the prettiest bunches and sent 12 others to Prof. Stark and his soloists, who had just concluded the lovely flower song from Faust, and gave directions that the other 40 bunches should be placed on the tables wherever there were ladies throughout the main dining-room. "Why," said the young fellow, "I have paid $3 a bunch for violets on a winter's day in Chicago many a time, and about the same in London and Paris"—and there never was a trio more elated. And in order to impart a fragrant atmosphere all round Prof. Stark essayed two or three choice flower melodies and the head waiter saw to it that the water in the finger bowls was literally spread with violets and that a boutonnaire of the same modest member of the court of Flora had been artistically attached to the left lapel of the young gentleman's overcoat. It was truly a fragrant affair throughout.—California Tourist.

The Value of the Parks.

Whenever there is a talk of securing comparatively valuable land for park extension in our cities there is usually a bitter outcry against the "wasteful expenditure" by those whose views in life and the world are bordered by their own narrow horizon. It may be that they live in a fairly good neighborhood and within easy distance of a good park or open space where they can go at any time they wish. They never think of the constant creeping out into the surrounding country of the ugly suburbs, or of the untidy, badly drained streets and yards where a great majority of America's working class children have to spend their lives. They do not think of the effect for good upon the health and morals of the coming generation of America's future empire builders these parks and open spaces have. They do not even look upon it from a good business standpoint.

Look at the millions that London and other old world cities are spending now to break up the congested districts and allow the poorest children to run about upon land worth hundreds of dollars a square yard simply because in the days gone by people were too near sighted to see that these towns were growing and that every square inch of available land would soon be covered with houses and factories. Such people look upon parks as a means of exploiting horticultural or gardening interests, whereas there is no single item of civic expenditure that gives so much pleasure to so many people as the parks systems. The horticultural end of it is entirely subservient to the pleasures of visitors. The fine shrubberies and open lawns are there not for the glorification of the gardener but for the public to enjoy and as playgrounds for everybody, young and old and at all seasons of the year.

Just now the horticultural features of the parks all over the United States are at their best. The season has been a very favorable one for the growth of trees, shrubs and herbaceous plants and, although the bedding displays give a great deal of pleasure in their season it is to these perennial beauties that we can turn at all times and in all seasons. From the time that budding spring puts new life into the bark and shoots of the birches, all through the leafy summer season and on into the fall when the fire comes into the oaks and sumachs; even in winter when the grace of the hemlocks and spruces, cedars and other evergreen trees are most noticeable or when a hoar frost shows up the grand outline of the elms and beeches the trees are a constant source of delight.

Just now the deciduous trees and shrubs are at their brightest and best. The limes and basswoods are grand with their large leaves causing inviting shelter from the heat and sunshine and of these fine trees our park superintendents have wisely availed themselves to a very large extent. They are mostly trees of fairly quick growth and soon grow into handsome specimens. Oaks are, of course, slower but are among the finest of American trees for park purposes. The fresh green on these is delightful now while the elms, possibly the finest of all American trees, are grand this season, the rains having suited them well especially on the light and sandy soils that this tree delights in. Coming to dwarfer trees and shrubs we cannot help saying that in far too many cases there is too much mixed planting. A shrub to show its true beauty either as a single specimen or in the mass should not be mixed up with a dozen others. The effect is far better in every way when one kind is planted alone. Nothing can compare with a great mass of rhododendrons either in flower or in good foliage but how often we see a few plants in the middle of other and coarser growing subjects, their beauty to a great extent hidden and their health impaired. And this is true of almost any other shrub. Just lately the white Spirea hypericifolia has been very beautiful but in too many instances it can only be seen in small ineffective patches repeated all over the parks. That fine shrub, the golden leafed elder, if well planted grows into great billowy masses that are beautiful whether seen at a distance or close but as a single specimen stuck in the middle of a lot of green shrubs it looks commonplace. Still we do not wish to carp or unduly criticise the work of our park men who have a difficult task, especially in the northern cities, to keep things alive and growing.

The herbaceous borders are very attractive now and we are glad to see this class of gardening spreading. Although those in charge of many of the parks go in for a collection of species it is usually only the larger and more showy herbaceous subjects that are chosen. The German irises are splendid; planted in large clumps of the various colors and varieties they are a grand feature now everywhere to be closely followed by the peonies, the finest herbaceous plants perhaps in existence. Large showy beds of Papaver orientale are popular with the public the immense showy red flowers being well shown up by the graceful, fernlike foliage. Dictamnus Fraxinella and its white variety, the beautiful green and variegated leaved funkias and a number of choice hardy lilies are also to be seen. Among the smaller subjects now flowering are the pretty Primula Sieboldi, some of the dwarfer lychnises and the beautiful Myosotis palustris. The American cowslips (dodecatheon) are varied in color and pretty and there are dozens of other fine plants flowering early this month and serving to usher in the

ARTISTIC CROSS BY CARL OBERHEITMANN, NEW YORK.
Violets, Orchids, Candidum Lilies, Roses and Foliage.

season of the rose which is rapidly approaching. There is something to be seen at all seasons in short and at no time of the year are the various beauties of the parks more apparent than in leafy June.

Paris Spring Show.

The annual spring show of the National Horticultural Society of France was held May 22-29 in the large greenhouses on the Cours la Reine, Paris. There was a very large schedule, comprising 370 different classes and the display was a most attractive one and well patronized by the Parisian public and numerous visitors to the gay capital at this season of the year.

MAY EXHIBITION OF THE FRENCH HORTICULTURAL SOCIETY.

The show is approached by a large promenade, the entrance to which is just beyond the handsome Alexandre bridge. All the way along the promenade were large numbers of trained fruit trees, beds of hardy flowers, ornamental shrubs and a multitude of garden accessories, such as greenhouses, garden pottery, heating appliances and the like—quite a large exhibition in themselves.

Inside the first large greenhouse there was a grand display of color. We cannot, of course, particularize, for the number of exhibitors and extent of the show were far too great to permit of detail. Roses formed a conspicuous feature, the leading exhibitors being the well known house of Leveque & Son, Ad. Rothberg, M. Geo. Boucher, M. Defresne, and Aug. Nonin. Several of these, besides showing fine plants of the ordinary show types, also had good examples of the polyantha sorts.

Begonias were fine; the tuberous and also the foliage varieties were in most cases done well, M. A. Billard, Férard, Vallerand Freres and E. Cappe staging excellent lots. A magnificent display of Gloire de Lorraine came from Robt. Lebaudy, a sight practically unique in our experience. A lovely display of color was caused by the zonal pelargoniums. The flowers are not shown cut, but only pot plants are staged, and the varieties are massed according to color. M. E. Poirier had a wonderful display in three different beds, arranged on the ground floor. André Charmet and Paul Féron showed novelties. M. Barillet had a good lot of fancy pelargoniums.

Azaleas and rhododendrons came in immense numbers from the two well known firms of Croux & Son and Moser & Son. Some of the latter were gigantic plants, covered in flower in the greatest profusion. Geo. Boucher, a well known grower of clematis, showed a good lot in numerous varieties. Hydrangeas also were in good form, and there were several important collections staged. Orchids were exhibited in two separate side rooms, not in large numbers, but there were some good exhibits from growers of repute like C. Beranek, A. Regnier, Maron & Son, Robt. Lebaudy, etc.

Hardy flowers, such as pansies, Iris Kaempferi, poppies, tulips, lilacs, peonies, anemones, carnations, were staged by many exhibitors. Dinner table decorations and floral compositions by the famous house of Lachaume of the Rue Royale, and E. Devrie. Vilmorin-Andrieux & Co. had a grand display of all kinds of hardy flowers and also a charming water garden, consisting of rockwork and a pool, which lay between two neatly arranged grass lawns, studded with various aquatics and others.

Ch. Molin exhibited water lilies in tanks. Ornamental foliaged plants were shown by A. Nonin, M. Chantrier, who had some fine crotons, M. Emile Morel and Cordonnier & Son. Vegetables were shown in immense variety by Vilmorin-Andrieux & Co. in four huge groups. The Société Mutuelle des Jardiniers also made an excellent display in this line. Fruit, chiefly grapes, peaches and nectarines, came from the Forceries de Somain, the Forceries de la Seine, Alb. Mercier and Cordonnier & Son. Provision was also made for the exhibition of horticultural publications and there was an interesting art gallery of over 400 pictures in oil and water color, principally of fruit and flowers.

P.

Burpee on Paris Flower Shows.

W. Atlee Burpee, who is now in Europe, writes as follows concerning Paris flower shows:

"I was fortunate in spending May 25 in Paris and vicinity. In the morning, M. d'Estienne showed me the exquisitely beautiful Vilmorin Memorial now on exhibition in the Salon, which I trust many another American may have the pleasure of seeing, not only now, but when it is placed permanently in a suitable park location. I then had an unexpected treat in viewing the Cour-La-Reine exposition of the Société d'Horticulture de France. By far the largest of the many fine exhibits and most notable was that of Vilmorin-Andrieux & Co. I could not have believed it possible that any firm would go to so much trouble and expense for an exhibition of one week; in fact, never have I seen at one time and in any one group such a variety and grand display of growing flowers from seed made by any firm, even at a world's fair.

"I am sure that many readers of the AMERICAN FLORIST will agree with me in wishing that we could in America have spring exhibitions, where some of our leading firms would be willing to attempt such educational work in horticulture for the masses. The extent of the Vilmorin exhibits is the more remarkable when it is considered that, having won the grand prize last year, they are not allowed to

MAY EXHIBITION OF THE FRENCH HORTICULTURAL SOCIETY.

VILMORIN-ANDRIEUX & CO.'S EXHIBIT AT THE MAY SHOW OF THE FRENCH HORTICULTURAL SOCIETY.

enter into competition for same again for five years."

The exhibit of Vilmorin-Andrieux & Co., to which Mr. Burpee refers above, occupied a large room, in the central part of which stood a rock covered with such alpines and plants as Erinus alpinus, Dianthus neglectus, gnaphalium, leontopodium (edelweiss) Heuchera sanguinea, Cerastium tomentosum, Asperula odorata, Saxifraga Hibernica, Iberis Gibraltarica, statice, nasturtiums, etc. From the rock rose a spring forming a rivulet (in which grew a few water lilies), winding with little falls through a miniature lawn, on which were interspersed, either solitary or in groups of a few plants, Primula Japonica, Impatiens Holstii, Saponaria Calabrica, Potentilla Pyrenaica, Tritoma ruffa, Centaurea maritima, Lavatera arborea variegata, Nycterinia selaginoides, silene, statice, etc. On the right side of the rock and a little higher up, was a large vase, filled with the imposing flowers of Eremurus Elwesi and E. Himalaicus, the base holding the vase being surrounded by fine groups of the striking, fiery red tulip poppy and Chrysanthemum segetum Etoile d'Or.

Banked up on the right side of the little lawn were arranged most artistically groups of Amaryllis vittata hybrid, of Lilium fulgens atrosanguimeum, L. Thunbergianum biligulatum, L. croceum umbellatum, winter stocks, large flowering bright red, Gilia dichotoma, associated with Centaurea depressa, the large blue flowers of which rose well above the crowded white flowers of the gilia, Nemesia strumosa, scarlet verbenas, single pink pyrethrums, pansies, mimulus, Begonia semperflorens, Leptosyne Stillmanni, very early Parisian asters, etc., the outside being margined with the compact bright yellow flowered Gamolepis Tagetes. The base of the eremurus filled vase on the left side of the rock was hidden by clumps of sweet peas and climbing nasturtiums. Banked up on the side were fine collections of Iris Germanica, hybrids of Aquilegia coerulea, ten-week stocks, Iris Kæmpferi, intermingled with Lilium croceum and L. Hansoni, Venidium calendulaceum, Kaulfussia amelloides, etc.

In front of the little lawn were staged cut flowers of the beautiful Gerbera Jamesoni, the front border being made of the well known French marigold, Légion of Honor. All around the walls or partitions of the room were massed annuals and perennials in the greatest variety, either bamboos or kentias or green trellis being used as background. In the trellis was a little bay with a window case, in which grew some verbenas and climbing nasturtiums.

The collection around the walls included fine specimens of Chrysanthemum segetum Gloria (pure white), C. segetum Etoile d'Or (Golden Star), Papaver umbrosum, Digitalis gloxinioides, Lupinus polyphyllus, Schizanthus papilionaceus, Anchusa Italica, Chrysanthemum coronatum, double white, carinatum Burridgeanum, Polemonium grandiflorum, Centranthus macrosiphon, Venidium calendulaceum, Calendula, double, Petunia Superbissima and Rosy Morn, Cineraria polyantha, hybrid mixed, Shortia Californica, etc., the charming Nycterinia selaginoides and the compact Virginian stock being used as borders.

In the same room Vilmorin staged two large beds of well grown stocks. In other parts of the exhibition he displayed fine lots of cinerarias, calceolarias, petunias, also a large collection of vegetables, including peas, beans, potatoes, peppers, cauliflowers, tomatoes, cabbages, spinach, radishes, kohlrabi, cucumbers, leeks, endives, lettuce and beets.

Paris.

May 26.—Flowers in our market are just now a glut. Roses Caroline Testout and Captain Christy, grown around Paris, are selling at from 30 cents to $1 per dozen; Frau Karl Druschki, Paul Neyron, Ulrich Brunner and Liberty at from 20 cents to 80 cents per dozen; Mme. Abel Chatenay and Kaiserin Augusta Victoria at from 30 to 60 cents. Second season Riviera grown Frau Karl Druschki and Ulrich Brunner sell at from 15 cents to 30 cents per dozen; Marie Van Houtte and Paul Nabonnand at from 5 cents to 10 cents per dozen. Safrano is very cheap. Lilium Harrisii is selling at $1 a dozen, L. longiflorum album and rubrum are a little cheaper. Carnations from the south are worth about 10 cents a dozen. Violets are scarce. Bedding plants on the market are cheap and not selling well on account of the inclement weather.

Among recent novelties is a cineraria, which created quite a sensation at the French National Horticultural Society, at Ghent, and wherever Vilmorin staged it. It is of a bright scarlet color, very different from the usual shades known in cinerarias to date.

PARISIAN.

BROOKLYN, N. Y.—Max O. Jordan and wife, of J. M. Keller Co., this city, sailed for Europe June 3. They expect to be away until September.

CROMWELL, CONN.—The A. N. Pierson Co. has filed a certificate of incorporation. It is capitalized at $200,000, and it will take over the extensive flower business now operated by A. N. Pierson. The incorporators are Andrew N., Margaret G. and Wallace R. Pierson.

CHRYSANTHEMUMS

KEEP the surface soil stirred around the early planted chrysanthemums for exhibition blooms.

NOT the least of the many merits of Ivory is its comparatively small foliage which allows of moderately close planting.

WE would appreciate the favor if growers of experience would inform us what varieties they are planting this season as the information will be valuable to those of less experience.

Early Flowering Varieties.

The main thing in connection with the culture of the early flowering varieties of chrysanthemums is to lay plans so as to be able to select the buds at as early a date as possible which with most of the very early bloomers is somewhere around August 1. To give the plants a chance to produce buds at as early a date as this of sufficient strength to properly mature into perfect blooms. early planting of the stock must be resorted to. It is time this work was receiving attention and all should be in the permanent quarters by June 10 or soon after. Another very important point to bear in mind is that it is necessary, for early varieties particularly, to have as light and airy a place to grow in as can be given them to allow them to properly ripen up their wood early. If they are planted in quarters where a close, damp atmosphere is maintained they take on a long jointed, soft growth which is very difficult to ripen up to produce early flowers.

At one time we had a notion that if we could increase the depth of our benches to allow for more soil better results would be obtained with less work in caring for the plants, but our experience of late years has convinced us that the opposite is the case, therefore our aim now is to use a good stiff, shallow soil confining the roots to as small an area as will properly carry them through the hot weather and with the early flowering sorts we consider that four inches of soil after it is well firmed is ample for the best results. The distance apart for planting the early varieties is governed to a certain extent by the width of the beds. Where an extra row can be added by planting a little closer together across the bench it can be done, but eight inches apart lengthwise of the beds should be the rule. We are not in favor of mixing fresh manure with the soil at time of filling in. A compost prepared last fall comprising one part of manure to three of soil will fill the bill nicely. If, after a thorough mixing, this does not seem sufficiently rich, rather than add extra manure I would advise spreading a thin layer on the bottom of the benches before bringing in the soil.

We are gradually drifting away from applying fertilizer in a liquid form, using in its place the dry pulverized article altogether which puts into the soil a results obtained from early varieties depend mainly on being able to take the buds at the right time. After this we must use good judgment in selecting the kinds to grow and the number of each color. One great drawback we have to contend with is that nearly all of the early pink varieties are not just right in color to sell readily and after the novelty of their early appearance has worn off they are inclined to drag. Good white and yellow are by far the

Peony Rubra Superba.

best sellers but they must be of a high grade order to compete profitably with the aster and other outdoor flowers, particularly in seasons when the early frosts hold off. Figure that plantings of the early kinds are not beyond what can be disposed of before the second earlies

Peony Festiva Maxima.

come in these being generally of a higher order both in color, texture and durability.

C. W. JOHNSON.

GRAND FORKS, N. D.—E. O. Lovell says the florist's business is one line that is constantly growing and for each season and important event the grower and dealer need to make larger preparations. He claims that for the florist there are few dull weeks in the year and these are welcome as affording needed rest.

THE PEONY.

Peonies at the Peterson Nursery, Chicago.

The present is peony week at the Peterson nursery, Chicago, and although about 8,000 flowers had been cut on June 8 the next day there was a grand display of all the fine kinds for which Wm. Peterson is justly famed. We do not aim at giving a complete list of the varieties grown. Mr. Peterson has reduced his collection by constant and ruthless suppression of all varieties that are not distinct or in some way superior to anything he has, consequently the greatest variety of choice flowers can be seen here with the minimum number of varietal names. The earliest flowers were getting past their best, but the later ones were grand when we called. We have on previous occasions noted how carefully the labeling is looked after here and what a lot of trouble and expense is gone to to ensure absolute truth to name in these perfect stocks.

A case in point may be noted now. That beautiful variety, Golden Harvest, is well known as one of the most constant and excellent varieties and an English firm sent out Duchess of Somerset, supposed to be an improvement on it. This has been tested here for several years and although the trials are not exactly complete, there does not, at present, appear to be sufficient distinction between the two to warrant the new comer being added to the collection, and unless this is found to be the case Duchess of Somerset will have to go. These trials of expensive plants over a series of years cost a lot of money and trouble, but that it eventually pays is evident by the class of orders Mr. Peterson is now receiving—not for a dozen or 100 of mixed peonies, but for selected varieties of the choicest and best in each class. Growers have had enough of buying mixed rubbish and varieties not true to name, and they are finding out that it pays them to go where they know they can get what they ask for.

Perhaps the finest sight of all the varieties at the time of our call was a grand breadth of the good old Festiva Maxima, consisting of 500 fine five-year-old plants, every one covered with flowers. For several days previous about 1,500 flowers per day had been cut from this lot of plants, but they were still very fine. Another grand thing from a landscape or border point of view is Gloria. The flowers are pink and very beautiful, but they do not all come double. It is of a sportive character and would not be considered a good florists' variety, but a long line of healthy, vigorous plants covered with the delicate and artistic flowers was a sight to remember, and there are probably few to beat it for a fine display on the plant. Another distinct and pleasing thing is Mikado, a variety with golden yellow petaloid segments in the center, that look like a bunch of stamens, and a bright crimson border. Close by and in marked contrast is the beautiful old Pæonia albiflora, the parent of many of our finest florists' varieties. It is very beautiful, but not, of course, grown much as a cut flower on account of its lack of petalage.

As to the varieties grown here for cutting and for sale to florists and others, they are simply superb. As a fine early pink Sarah Bernhardt holds a high place. It has finely formed, clear colored flowers of large size and deliciously fragrant.

Edulis Superba is a deeper color but also a first class flower and fragrant. M. Jules Elie is in shape like an immense incurved chrysanthemum, with a frill of guard petals, and is a very fine thing for cutting, the flowers a bright effective shade of pink or rose. Marie Lemoine is about the latest white and is not yet at its best and the same may be said of La Tulipe, which has its charming flowers edged with rose. Madame de Verneville is a beauty, the large, pure white flowers very fragrant and showy, a fine seller. Madame Forel is a deep pink of good form and substance, but the palm in the clear pink shades has to be awarded to the variety Livingstone, a grand late variety, very fine and strong growing with fine stems. This is already an exceedingly popular peony and everyone wants it who grows for cut flowers. Lady Bramwell is another grand pink, the color very clear and telling.

Coming to the darker reds are noted Mme. Bucquet, a deep and excellent shade and a fine flower, but by far the deepest colored of all is the rare and beautiful Martin Cahuzac. Probably Mr. Peterson holds the largest stock of this notable kind in America, as there is very little of it in cultivation. The flowers are large and very showy, the color being the deepest, almost black crimson. In striking contrast to this is the old Queen Victoria or Whitleyi, still one of the finest keepers and shippers and well worth a place on all counts, its flowers white with a distinct pale lemon yellow zone in the center. Delicatissima is a lovely clear shade of pink, like Enchantress carnation, and a fine thing for cutting or lawn work. These are only a few of the most striking kinds noted in a hasty run through the plants this week. Many are of necessity omitted that have probably as good points as those mentioned, for nothing is kept long in this famous collection of some 300 varieties if it has not some sterling qualities. Orders for all the best varieties and inquiries are more frequent than ever this year and there is no sign of anything but increased popularity, both as a cut flower and a lawn and border plant, for the herbaceous peony.

Two Notable Peony Farms.

A. KENNICOTT & SON, GLENVIEW, ILL.

It would be hard indeed to imagine a fitter setting for any horticultural undertaking than is that primitive beauty and natural retirement of the Kennicott homestead. Here the great native trees and the clear country skies shut the little colony of dwellers and workers in upon itself with not a suggestion of the big, teeming city life of Chicago which lies so near by as to be within rather easy driving distance.

It was formerly, however, one of the great highways of the Indians, this place having long been known as the Grove portage, because here the Pottawatomies, for so long the only inhabitants of this lonely section, carried their canoes from the north branch of the Chicago river over to the Desplaines. The Kennicotts have always been heartily averse to felling any of the native trees, and the place still appropriately bears the name of The Grove. Away back from the road among the hickories and the burr oaks snuggle the cottages of various members of the family.

Dr. John Kennicott, the friend of Asa Gray and himself a botanist and horticulturist of repute, moved to The Grove in 1836 and acquired his title to the property directly from the government. At first he was only the doctor and the naturalist, traveling on horseback as far as old Fort Dearborn to care for his patients, counting as such not only the sick settlers, but the sick folk of dusky skins as well. Long was he the proud owner and rider of "Old Pottawatomie," an Indian pony presented to him by the tribe of that name.

As the country became better settled Dr. Kennicott started his nursery. The eldest of his sons, the late Maj. Amasa Kennicott, inherited his father's love for flowers, and it was he who practically developed the industry of growing peonies for the cut flower market. Since the major's death a little over a year ago the enterprise has been carried forward in turn by his son, Walter Kennicott. At this time of the year he is assisted by his brother, Ransom, of R. E. Kennicott & Co., Carbondale, Ill. Carbondale being further to the south and the peony crop there coming about three weeks earlier, the two brothers are able to work together at both places.

At the time of our visit (June 5) the peonies were fast coming into just that degree of development that long experience has proved best for cutting for market. This has to be judged to a very great nicety as a large proportion go directly into cold storage, and buds too tight will never open while buds at all open (in fact any more than just showing color) will not keep. Already eight or ten pickers were busy. The blooms here are bunched as they are picked, right in the field, the Kennicott's claiming they can secure greater uniformity in the bunching in this way than by picking buds and open flowers all together and then bunching them in the packing shed. In fact one thing that distinguishes the Kennicott grown stock is the fine regular bunching.

The best leading varieties are grown. The Officinalis group gives some of the best paying commercial flowers grown. Fragrans, Whitleyi, Von Bombach, Col. Kidder, Festiva paschalis (the Passover peony), Festiva Maxima and Dunlap (a dark red), and Col. Kidder (white with lemon center), are also largely grown.

On the Chicago market it is hard to learn from the wholesalers much about the varietal names of the peonies they sell, and the reason is that the growers themselves don't know. Originally the Kennicotts and the Klehm brothers of Arlington Heights secured a large importation of roots together. The Kennicotts carefully recorded where and how they planted the numerous varieties and the book was destroyed in a fire. The Klehms thought to keep track of their varieties by labels put in the ground, and the floods came, or perhaps careless cultivators and pickers, and soon there were no stakes. Consequently there was no record of the origin of any of the older varieties. Then came the long, slow process of trying out the plants that were in the ground. One day Chas. A. Samuelson, the Chicago retailer, saw a pink peony he much admired and found he was able to sell to advantage, and this became known and is yet known on the Chicago market as the Samuelson pink. Another similarly became known as the Smythe pink. The early Officinalis was long known as the Wienhoeber pink. Another popular variety is the Three L Pink, the three l's being large, late and light.

KLEHM'S NURSERIES, ARLINGTON HEIGHTS.

John Klehm, like old Dr. Kennicott, was another pioneer settler who took advantage of an early start in the new country around Chicago to build up a thriving nursery business. In 1856 he bought one acre of land and planted trees and shrubs. Soon, by energy, industry, thrift and economy, he acquired another parcel, and soon again another, until at the present time there are 150 acres under cultivation, planted largely to fruit and shade trees, ornamental shrubs and bulbous stock. Then, too, there are about 40,000 square feet of glass given to the growing of cut flowers. Scattered among all these broad acres are about eight acres of peony gardens, growing almost exclusively for the cut flower trade of the Chicago wholesale market, the Kennicott Bros. Co. and Percy Jones handling the output. Mr.

A BED OF PEONIES.

The crop this year is not a full one judged by the yield of other seasons. While there was a very fine showing of buds, Walter Kennicott estimated his crop at about one-half of what he calls a "good" crop. But there is never a "good" crop at this place, unless there is a record-breaking yield on one or another large patch. This year a frost nipped some of the varieties just as the outside protecting leaves left the buds to the tender mercies of the weather.

Klehm is now 74 years of age and is still hale and hearty, and takes an active interest in the business, though much of the management and work has now devolved upon the sons, George, Charles and Henry. They report having filled 5,000 orders this spring, from small to carload lots.

All told, about 150 kinds of peonies are grown, but the main reliance is on such commercial successes as Whitleyi, Festiva Maxima, Festiva Paschalis, the so-called Sarcoxic Pink, the Dunlap Pink, Early Rose, Late Rose (Beaconfield), Officinalis Rubra, Officinalis Rosea and Major Kennicott's well-known Three L Pink. The crop this season has not been a heavy one. Last season was an exceptionally good year for peonies, and in consequence this season (the alternating one) has seen much blind wood. Peonies, here as elsewhere, were generally slow in starting. Festiva Maxima just beginning to open its buds June 5, but the warm weather following that date brought them on apace, and it was anticipated that about three days would see the main crop off.

House Cleaning.

After taking the old soil from the benches, take a trowel or a wire brush and scratch off all the soil that sticks to the sides and bottom; then sweep off clean with a broom. Scrape the entire surface under the benches clean and take all out to the rubbish pile. Before going farther with the benches go thoroughly over the heating pipes and see that they are in perfect condition for another season. Give the benches a good scrubbing with hose and brush or broom, and when dry carry out any repairs that are necessary. Give the house a thorough fumigating with burning sulphur at night and keep it closed tight all night. The next day spray over the surface under the benches with extract of tobacco; give the benches a good heavy, hot, lime wash, but before doing so, a good coat of crude petroleum or crude oil helps to keep pests away all season.

After the benches are all planted, again scrape clean underneath and give a good sprinkle of air slacked lime under benches and over walks and the house will be rid of pests and clean and sweet. This takes a little more time than some may think is worth while but it pays for itself many times over during the season, for you can smell the difference between a thoroughly clean house and one that is only half done. What is worth doing at all is worth doing well.

Monsieur Abel Chatenay.

American horticulturists who go to Paris during the present summer, and who visit the Salon should not fail to look out for the picture, No. 864, by Leon Armand Hult, entitled "Portrait de M. A. C———." This is a speaking three-quarter length portrait of the highly esteemed M. Abel Chatenay, the secretary general of the National Horticultural Society of France. No one personally acquainted with the gentleman could possibly fail to recognize it, in spite of the anonymous title. P.

A NUMBER of points in Kansas are isolated at present on account of the floods. Conditions in Oklahoma are reported improved somewhat, but the express companies still accept shipments at owners' risk.

To Be Done Now.

IN THE GREENHOUSES.

Shift on young plants of Begonia Gloire de Lorraine and others.

Allow a short rest for smilax benches recently cut down before starting up again.

The flower buds should be forming in the azaleas at the time they are taken to the open air.

Choose cool, moist evenings rather than dry, hot or windy ones for fumigating.

Cineraria seed for the earliest plants may be sown now.

Seedling Jerusalem cherries should have attention regularly. A check now is not easily got over later.

Cuttings of the flowerless shoots of hydrangeas struck now will make good stock for next season.

Continue to strike poinsettia cuttings until sufficient stock is obtained.

Save a number of lobelias in flats or pots to be cut over for stock plants in August.

IN THE STORE.

Ware and sundries of various kinds help to keep the interest going when cut flower sales are quiet.

The gladioli hybrids are fine for the base of large standing or pedestal wreaths.

There is scope for much originality in the making of wedding bells.

The sheaf bouquets of flowers carried on the arm are again popular.

Richmond and other roses should be obtained cut close now or they open out at once.

Gypsophila paniculata is a charming addition to sweet pea bunches or corsage bouquets.

OUTDOORS.

Choice bulbous subjects must not be cut over after flowering but allowed to complete their natural growth.

Thin out the bush honeysuckles a little after flowering, especially where they are crowding other things.

Plant tuberous rooted begonias near shrubs or in some semi-shaded positions rather than in the full sun.

After cutting the narcissi give the plants a mulch of semi-decayed manure to assist them in making a good growth.

Lightly shade newly set out plants. This will be found better than constant waterings.

Sow wallflowers, forget-me-nots, Campanula pyramidalis and other biennials for next year's flowering.

Look well after newly planted evergreens and see that the soil does not crack around them.

Make good celery plants where missed and see they are kept growing freely.

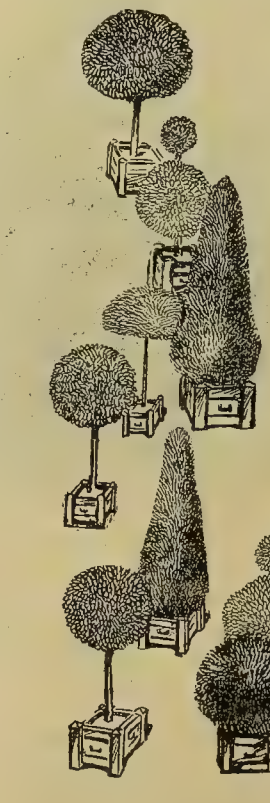
Note the best forms of German and other irises and mark all such for propagation.

London.

Covent Garden Market is being well served with Spirea Queen Alexandra and S. Peach Blossom from Rochford's. Calling upon the veteran grower, J. Sweet, of Whetstone, we saw good batches of both varieties in rude health, which will soon be ready for sale. The first named is given the preference here on account of its dwarf habit, freedom of flowering and good pink color. Peach Blossom is larger in the spike, but less free.

THE TEMPLE SHOW.

In the words of Superintendent S. T. Wright, the recent Temple show of the Royal Horticultural Society was "the best we have ever had." The first day was cool but dry, and great crowds visited the show. The outdoor exhibits were in much better order this year. The second day, from 7 a. m. till noon, was set apart as private view day for the fellows of the society, and by 11 a. m. the crowd was great. Six first class certificates and seven awards of merit were given by the orchid committee, also a botanical certificate and one cultural commendation. Two first class certificates and nine awards of merit was the work of the floral committee. Jas. Carter & Co. had a grand exhibit, great prominence being given to all the special-



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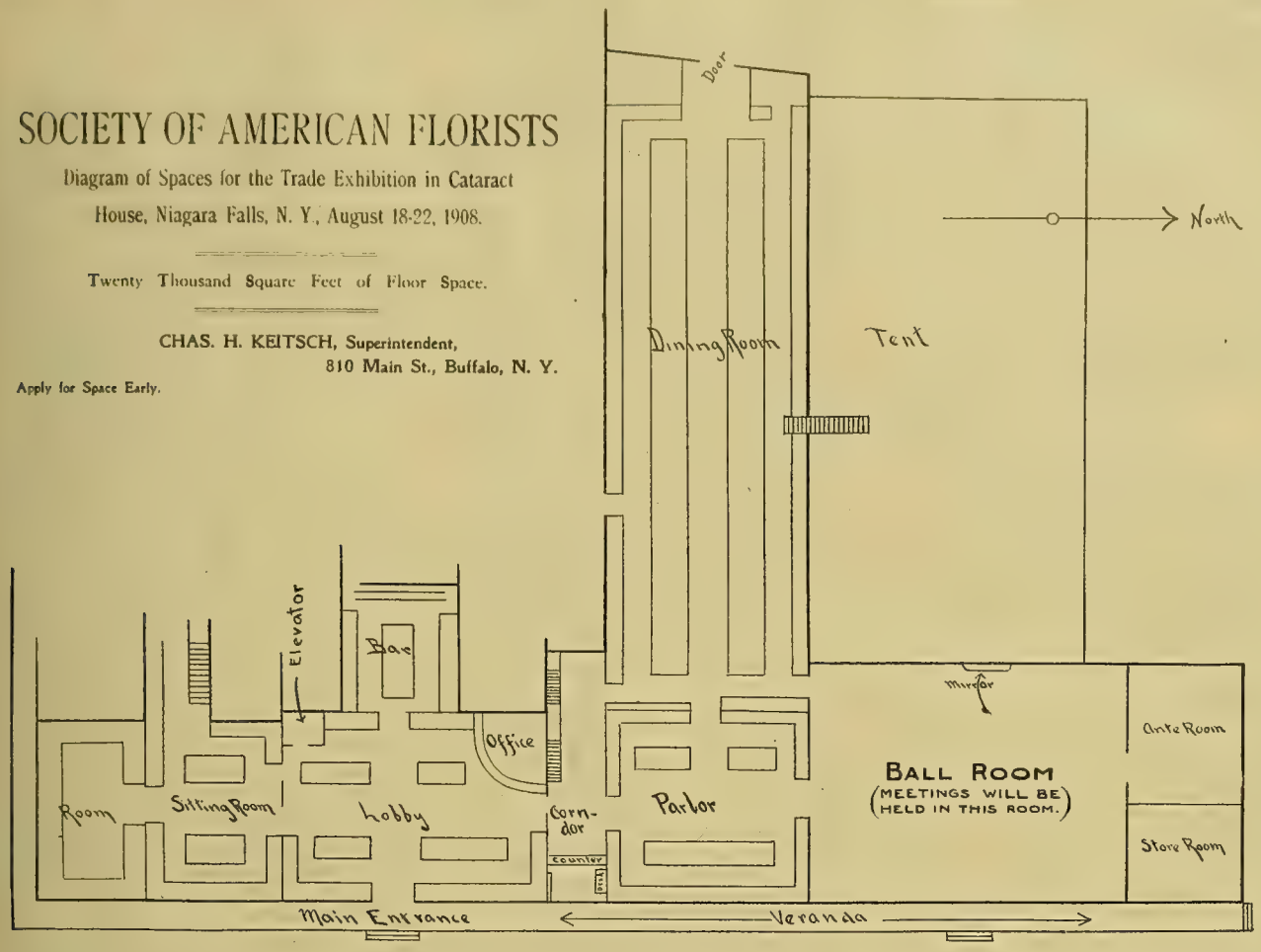

ties in season by this well known firm. Queen Alexandria purchased a 60-year-old specimen of Larix leptolepus from this firm's collection of Japanese pigmy trees.

Alex. Dickson & Sons, Ltd., showed the new rose, Avoca, in good form, as well as a number of fine tulips. Sutton & Sons had a grand exhibit of vegetables and a number of their specialties in florists' plants. J. Cheal & Son had a miniature rockwork with a great number of fine herbaceous plants. Webb & Son showed calceolarias in fine form. James Veitch & Son had a fine show of flowering trees, shrubs, etc., also greenhouse plants in great variety. W. J. Godfrey, the noted Devonshire grower, had a fine display of oriental poppies, and E. W. King & Co. showed sweet peas in great variety. Hardy gladioli were well shown by Frank Lilley, of Guernsey. Wm. Bull & Sons had a small but important group of foliage plants, while the well known firm of Jackmann & Son as usual had a grand display of clematis, hardy herbaceous plants, etc.

The King's Acre Nurseries made a fine show of florists' flowers, while C. W. Breadmore exhibited grand sweet peas, including Spencer, Primrose Spencer, Mrs. C. W. Breadmore, Countess of Northbrook, Elsie Herbert and Helen Lewis. The Spencer type nearly all carried four flowers to a stem. Irish grown tulips from Hogg & Robertson and Lincolnshire grown ones from A. M. Wilson were interesting. Chas. Turner showed grand roses and trained azaleas, while the mollis and Ghent varieties from R. & G. Cuthbert were fine. J. Peed & Son's caladiums, as usual, were wonderfully grown, while Paul & Son, of Cheshunt, had grand roses. Wm. Cutbush & Son had a large exhibit of clipped trees, carnations and roses, and we noted interesting double-grafted plants of Baby Rambler and Catherine Zeimet. The rockwork and water effects were unusually well carried out. The clematis shown by Richard Smith & Son were, if possible, better than ever and H. Cannell & Son kept up their reputation with a fine group of cacti and cannas, bougainvilleas and rambler and American pillar roses. Geo. Prince had a grand display of roses and the show of tulips from R. H. Bath was excellent. T. Jannoch had grand lily of the valley—Fortins variety—retarded and specially good lilacs.

Hugh Low & Co., W. H. Page, W. C. Waters, A. F. Dutton and Bell & Sheldon showed fine carnations, mostly American varieties, Aristocrat, White Perfection, President, Winsor, Enchantress and Helen Gould being among the most conspicuous. Geo. Mount showed roses, well arranged, including the new Joseph Lowe. H. B. May & Sons had fine ferns, including grand Nephrolepis Scotti, Whitmani, exaltata superba and a choice piece of Amerpohli, as well as a variety of flowering market plants. J. R. Box, J. Laing & Son and T. S. Ware had fine begonias, and ferns from J. Hill & Son were excellent. Among prominent varieties were Todea superba, Davallia Fijiensis elegans, Nephrolepis todeaoides and N. Amerpohli. Laxton's strawberries, Cripps & Sons' and Fromow's beautiful maples and the superb begonias from Blackmore & Langdon were also notable additions to a splendid show.

CYCLAMEN AND PRIMULA SEED.

St. George's Nursery Co. report this as being a full average crop, all that is now wanted being a continuation of the present sunshine. As is well known to the trade many of the later fertilized seed pods, are liable to damp if the season is not good. Unfortunately for the hybridist, the choicer the variety the more shy is the setting, this applying more particularly to the early blooms, the later set being better. S.

OBITUARY.

James Shanley.

James Shanley,, for many years a commercial florist of Brooklyn, N. Y., died on June 4. He had a small place near Greenwood cemetery and his attention was largely devoted to the care of cemetery lots and the growing of bedding plants. Before engaging in business for himself he had been a grower in various commercial ranges. He was about 60 years old and leaves a family. He had long been a member of the Society of American Florists and the New York Florists' Club.

LA CROSSE, WIS.—With a capital stock of $10,000 C. E. Schaefer and W. R. Ellers have incorporated a new scheme and will enter the floral business on a large scale. The La Crosse Floral Co. has been selected as the name of the new organization and the company will enter the wholesale and retail flower business making a specialty of leading cut flowers. Six acres of land have been purchased on Cass street on the Fred Ebner farm and already a large number of workmen have been sent to the site and under the management of Mr. Schaefer two large greenhouses will be erected. Articles of incorporation are now being filed with the secretary of state at Madison. W. R. Ellers will attend to the business end of the company and will officiate as secretary and treasurer, Mr Schaefer being president and manager.

THE AMERICAN FLORIST

1885 TWENTY-THIRD YEAR. 1908

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When sending us change of address always send the old address at the same time.

Advertising rates on application.

From its first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of correspondents.

Eastern Representatives:
A. F. FAULKNER 1133 Broadway, New York.
ROBT. KIFT, 1725 Chestnut St., Philadelphia, Pa.

THE AMERICAN FLORIST,
324 Dearborn St., CHICAGO.

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THE English papers, referring to the Temple show, point out how ridiculously inadequate is the area upon which this show is held, an acre or so of tent room being all the authorities can provide. The number of exhibitors having increased, the space alloted to each had to be curtailed.

THE glass market continues weak with no perceptible change.

BULB culture in the fen districts in England is becoming a very important industry.

NEVER let rubbish accumulate under greenhouse benches as it forms a breeding ground for insects.

JUDGING by the reports we have received the present season has been one of the very best on record for the sale of bedding stock.

BLUE FLOWERS are by no means uncommon, but those of Iris Siberica Yale Blue are the most intense that we have seen of this color.

THE Illinois State Corn Exposition has been formed at Springfield, to hold annual corn expositions there, the first occurring this fall.

SOUTH DAKOTA correspondents say that they had to resort to artificial flowers on Decoration day, the supply of cut flowers not being nearly sufficient.

LOBELIA KATHLEEN MALLARD is all that its introducers claimed. The plant flowers most satisfactorily when grown in pots, the pots plunged in the soil at bedding-out time.

WE note that the continental growers of odontoglossums are still taking the honors at British exhibitions. At the recent Temple show the only first class certificates for these plants went to Ch. Vuylsteke, of Loochristi.

To slightly change the words of another writer, we would state that there is more money in a well-worked greenhouse establishment or nursery at home than there is likely to be in the shares of stock in a rubber forest in Brazil, or a coffee plantation in Honduras, or a pineapple grove in Porto Rico. The men who invest your money two or three thousand miles away are liable to forget you, if they do nothing worse.

WE would like to hear from rose growers who have experimented or intend experimenting with sulphuric acid as an antidote to mildew. A formula likely to be safe and effective is one part of commercial sulphuric acid to 1,000 parts of water, used on alternate days. In spraying it is necessary to use a fine spray pump or atomizer in order that the mixture reach every part of the leaves and stems without running down to the benches.

J. LOEHRER, an old time florist located for the past seven years at Boone, Ia., with a lifetime training abroad and in this country, takes exception to what he calls the slanderous advertisement lately printed in a trade journal, reflecting on himself and his business ability. He writes, "I gave the publication in question a piece of my mind and asked that it take back its untruthful statement. I believe I can compel the concern to do me justice."

National Council of Horticulture.

We have received the thirteenth installment of the press service of the National Council of Horticulture consisting of articles on the following subjects: "The Fruit Plantation;" "Beans;" "Honeysuckles;" "Hibiscus and Some Allied Plants." These excellent articles may be obtained free of charge on application to J. H. Burdett, 1720 West One Hundred and Fourth place, Chicago, and all florists, seedsmen and nurserymen should urge the editors of their local papers to apply for and use them.

The Society of American Florists.

THE REDUCED RATES FOR THE CONVENTION.

The Trunk Line Association covering points in the states of New York, Pennsylvania, New Jersey, Delaware, Maryland and part of Virginia and West Virginia has granted a rate of one fare and three-fifths for the round trip on the certificate plan to those desiring to attend the convention. Other associations have not as yet granted any concessions. Other particulars will be announced later.

W. N. RUDD, Sec'y.

Plant Growers' Outing.

The New York and New Jersey Association of Plant Growers held an important meeting at the Hotel St. Denis, Broadway and Eleventh street, New York, June 2, 1908, at which a large gathering was present. The committee appointed at the last meeting to arrange for an outing of the association, which consisted of A. L. Miller, Herman C. Steinhoff, Herman Schoelzel and John Scott, made its report. The association will give its outing June 25, 1908, at Terra Marine Inn, Huguenot park, Staten Island, and the members will meet at the Staten Island ferry, foot of Whitehall street, New York, at 10:30 a. m., on that day, and then proceed by boat, train and automobile, to the place of the outing. The committee has made full arrangements for plenty to eat and drink, music, dancing, games, races, bowling and other sports and pastimes, and it is evident that the association intends to have a day's fun. In order to evade the personal tax upon its capital, which has rapidly increased since its incorporation, the association has decided to furnish each of its members with tickets to its outing gratis. It is expected that all members with their families and friends will attend and thoroughly enjoy themselves.

WM. H. SIEBRECHT, JR., Secy.

Meetings Next Week.

Des Moines, Ia., June 16, 8 p. m.—Des Moines Florists' Club, Iowa Seed Co.'s store.

Detroit, Mich., June 17, 8 p. m.—Detroit Florists' Club, 38 Broadway.

Grand Rapids, Mich., June 15.—Grand Rapids Florists' and Gardeners' Club, Board of Trade rooms, Pearl street.

Hamilton, Ont., June 16, 8 p. m.—Hamilton Gardeners' and Florists' Club, office of member.

Lake Geneva, Wis., June 20, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, News building.

Montreal, Que., June 15.—Montreal Gardeners' and Florists' Club, Alexandria rooms, 404 St. Catherine street.

New Orleans, La., June 18, 8 p. m.—New Orleans Horticultural Society, 125 St. Charles street.

Newport, R. I., June 17.—Newport Horticultural Society.

Pasadena, Calif., June 19, 8 p. m.—Pasadena Gardeners' Association, G. A. R. hall, East Colorado street.

Providence, R. I., June 15, 8 p. m.—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street.

Salt Lake City, Utah, June 16.—Salt Lake Florists' Club, Huddart Floral Co., 114 East Second South street.

San Francisco, Calif., June 20.—Pacific Coast Horticultural Society.

Scranton, Pa., June 19, 7:30 p. m.—Scranton Florists' Club, Guernsey building.

Seattle, Wash., June 16.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.

Toronto, Ont., June 16, 8 p. m.—Toronto Gardeners' and Florists' Association, St. George's hall, Elm street.

Florists' Club Outings.

Chicago, July 19.—Annual picnic of Florist Club at Morton Grove, Ill.

Baltimore, Md., June 11.—Annual outing of Gardeners' Club, at Blenheim.

Montreal, Que., July 29.—Annual picnic of Gardeners' and Florists' Club.

New York, July 1.—Annual excursion to Witzel's Point View Grove, L. I.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Every paid subscriber to the AMERICAN FLORIST for the year 1908 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—First-class florist, designer decorator; London and New York experience, desires position; best references. Address
Key 566, care American Florist.

Situation Wanted—By sober industrious young man with five years' experience would like position as carnation grower; references furnished; address A. M. MYHRE,
Drawer O. Hastings, Minn.

Situation Wanted—By a first-class grower of cut flowers, middle age, to take charge of private or commercial place or as foreman; can deliver the goods; good wages expected. Address
Key 565, care American Florist.

Situation Wanted—A young man, age 24, with experience in general greenhouse work; sober and industrious, wishes to get a position in a first class private or retail place; good references; particulars in first letter.
Key 560, care American Florist.

Situation Wanted—By young Scotchman, age 23 years, as foreman or assistant in a private place; well qualified in all branches of gardening, carnations, chrysanthemums, roses, etc.; six and one-half years' experience; state particulars. Address
Key 562, care American Florist.

Help Wanted—A man to work in rose sections; state wages without board. Apply
COLE BROS., Peoria, Ill.

Help Wanted—A good grower of roses, carnations and 'mums; 15,000 feet of glass; new houses; state wages wanted experience age, etc Address
Key 561, care American Florist.

Help Wanted—A sober and industrious young practical florist, with $1000, to take one-half interest in established greenhouse; correspondence solicited. Address Box 231, Tulsa, Okla.

Help Wanted—First-class man in retail store. Must be up-to-date in making up and decorating. State reference and salary expected. Permanent position to right party. J. F. WILCOX,
Council Bluffs, Iowa.

Help Wanted—Good grower of general greenhouse stock and bedding out plants; German preferred; apply at once; state wages with board in first letter. Address
Key 541, care American Florist.

Help Wanted—Young man as working foreman to take an interest in an established greenhouse business. Only small capital required. Correspondence invited. Address
Key 530, care American Florist.

Help Wanted—A first-class designer, decorator and storeman; state reference and salary expected; permanent position and chance for advancement to right person; location middle West
Address Key 540, care American Florist

Help Wanted—A first-class store man and designer capable of taking charge of retail and packing department, no book work; young married man preferred; a permanent position for a sober and reliable man; wages $15.00 per week; 40,000 feet of glass. J. F. AMMANN,
Edwardsville, Ill.

Wanted—A reliable florist as partner; splenid location; new house well stocked; very little capital required. J. N. MENIFEE, Sapulpa Okla.

Partner Wanted—Florist with $5,000 cash, more or less; can become part owner of established modern greenhouse business. Address
G. F. MORRIS 310 Ashland Block, Chicago.

For Rent—Greenhouses with ground; with or without living rooms; five minutes from car line.
Address L. J. BOELSEN, JR.,
Hoffman Blvd. Elmhurst, L. I. N. Y.

For Rent—Greenhouses, best modern construction, prime condition; stocked with roses carnations chrysanthemums, etc.; 50,000 feet of glass; location Eastern Pennsylvania; good local trade; easy access to city markets; terms reasonable. Key 551, care American Florist.

For Sale—Greenhouses and stock in good town in Oklahoma; 12,000 inhabitants. Address
Key 563, care American Florist.

For Sale—60-horse power tubular steam boiler; test 100-lbs. pressure, $150. Morehead steam return trap No. 2, with receiver and connections, $100; used only six months.
GRASER & HUMPHREYS, Mt. Sterling, Ky.

For Sale—A bargain for a good florist stand and store opposite Woodland Cemetery; with full line of confectionery; also greenhouses of 10,000 feet of glass; offered after July 1, for $1,500.
HENRY EICHOFF, 6818 Woodland Ave. S. E.,
Cleveland, O.

For Sale—Greenhouses and stock; about 20,000 feet of glass, well stocked with all kinds of bedding plants, ferns, palms and cut flowers; for terms inquire of Mrs Hugo Book, College street, Worcester, Mass., or L Midgley, Worcester Conservatories, Worcester, Mass.

For Sale—80-acre farm, on the bank of Fox river, with four greenhouses and stock of plants; 44 miles from Chicago on C., B. & Q. R. R.; near electric line; including cows, horses wagons and farm implements; price $18,000.00; also suitable for country residence. Box 8, Oswego, Ill.

For Sale—Four greenhouses about 20,000 feet of glass, steam heated, well stocked with carnations, chrysanthemums, violets, etc; 15 acres of land suitable for market gardening; 8-room dwelling house, steam heated; large barn, city water; about 10 miles from Boston; good retail trade now established; for particulars address
G. A. ANDERSON, Woburn, Mass.

For Sale—Two Kroeschell hot water boile:s, capable of heating 4,000 feet 4 inch pipe, used 5 years, price $175 each. Two hot water boilers, locomotive pattern, capable of heating 5,000 feet 4-inch pipe, used 4 years, price $225 each. 12,000 feet 4-inch cast-iron pipe in good condition; 4,000 feet 5-inch cast iron pipe, all fittings on pipe thrown in at 10c per foot. 80 boxes of 10x12 A, glass $1.20 per box. 1,200 red cedar bars 8 feet long, used 4 years at $5 per hundred.
GEO. REINBERG, 35 Randolph St., Chicago.

Seedsmen Wanted.

Two bright active young men for seed store. Must be experienced and have clean record. Permanent places and advancement if satisfactory. Address
COUNTER SEEDS, care American Florist

...WANTED...

All Florists using steam heat to send for our latest catalogue, which contains some very valuable information.

Address Key 512, care of American Florist.

FOR SALE.

Any one wishing to locate in Missouri will find a good established greenhouse business on application to advertiser. There are 25,000 feet of glass on the place, and the city is a prosperous one. Further particulars on application. Address

Key 564, care American Florist.

FOR SALE.

Greenhouses. About 30,000 feet of glass in first-class condition. Well stocked, roses. Fine location for retail trade. Handy to Boston market fer wholesale. Chance of a lifetime. Reason for selling, all my time is taken up with other business Write for particulars or call and see them.

H. F. CRAWFORD,
Montello Station, Brocton, Mass

FOR SALE OR RENT.

The florist business of Chas. Schuck & Bro. This is one of the best paying establishments in Philadelphia. The plant consists of eight greenhouses, steam heat, store, dwelling and stable. Established 25 years. Reference to this business can be had from any florist or seed house in Philadelphia.

CHAS. SCHUCK & BRO.,
2441 to 2457 N. 8th St., PHILADELPHIA, PA.

FOR SALE.

50,000 ft. of 4-in. Boiler Tubes, cleaned and trimmed, ready for greenhouse purpose Have special malleable iron sleeves to fit same. Will sell at a very low price. I also carry a complete line of **Second-hand Pipe.**
Write for my price before you make purchase.

ISIDOR COHEN, 240-250 Madison St., **Milwaukee, Wis.**

THE COLORS OF FLOWERS

Are Best Determined with the Aid of

OUR COLOR CHART

Arranged by F. Schuyler Mathews and lithographed by Prang, this chart is now accepted as the standard in preparing color descriptions by many foreign houses as well as in this country.

PRICE: $1.00, Postpaid.

AMERICAN FLORIST CO., 324 Dearborn St. CHICAGO.

HENRY M. ROBINSON & CO.,

Wholesale Commission Florists.

Hardy Cut Evergreens and Florists' Supplies.

BRONZE GALAX, best quality...$ 8.50 per case, 10,000; **GREEN GALAX**, best quality.. $7.50 per case, 10,000.
New Crop **DAGGER AND FANCY FERNS**.....$2.00 per 1,000

Laurel Festooning, Boxwood, Southern Wild Smilax, Sphagnum and Green Moss, Leucothoe Sprays, etc.

15 Province St. and 9 Chapman Place, BOSTON, MASS.

Baltimore.

BUSINESS QUIET.

Heavenly weather such as the poet sings of is our portion now, and if the business aspect of things was as beautiful as the physical everybody would be as happy and active as the busy bees which are swarming amid the flowers. Unfortunately, the reverse is nearer the truth. Memorial day, never a great florists' event in this latitude, though of late years it has seemed to gain in public appreciation, this year hardly caused more than a ripple in trade circles, and by comparison was even more deficient than the Easter season. Of course, there was a great abundance of outdoor material to be had for the asking, and it is noteworthy that the shrubbery was never more floriferous and perfect, but the stores found almost no demand beyond the ordinary calls for their wares. There have been some June weddings, not so many, probably, as usual, and very few with elaborate floral displays. The commencement season is on, and with the great number of schools of various grades for which this city is famous there has been considerable business, well distributed. From now on there will be the usual midsummer dullness, some fear intensified from the effects of financial stringency, which so far in this latitude has not greatly relaxed, and the usual routine of emptying, filling, replanking and repairing houses. Little new building is going on, but there will be some additions to existing plants. Let us hope that as the new season opens it will bring brighter times and ampler returns for the capital invested and labor bestowed than has met the gardener during the one we have just passed through. Great complaint has been made by the market men as well as the stores during the spring of the paucity of buyers of the inferior grade of stock which was taken up. Lexington market has for many years been noted for the extent, variety and excellence of its floral displays. The displays of plants and flowers have become so abundant and their arrangement and bright colors are so attractive to the public eye that the streets on which the florists' stands are located, the main ones of the market, have taken on rather the character of a public and free show, and thousands of persons make it a Saturday night promenade, passing and repassing, inspecting, admiring, perhaps, but alas! not purchasing a fraction of what formerly made up a satisfactory evening's sales. These crowds are largely representatives from the foreign-born population, most of them engaged at various vocations through the day, and who find pleasant recreation in these promenades at night, absolutely crowding off the real intending purchasers. Not only is this true, it is said, of the stall owners in the market, but the storekeepers themselves find their sales shortened by the passing but not buying crowds. Just in the same way the carnival parades through the retail district became so numerous, noisy and unwieldy that the stores had to board up their windows and give up all attempts to sell goods. Finally the police interfered and the demonstration has been reduced in size and clamor.

NOTES.

Wm. Scott, of Buffalo, former president of the Society of American Florists, was well known here to the trade and a great favorite among its members. In times gone by he was an occasional if not frequent visitor to our city, and everyone who knew him esteemed it a privilege to meet him. His open, frank manner, wholesome enthusiasm, keen wit and ready repartee made him a most agreeable companion, while his thorough knowledge of the methods of cultivation caused him to be looked up to as an authority on gardening. His loss is deeply deplored by all who knew him. Mr. Scott had a brother, Alexander Scott, who has long been engaged in the florist's business in this city. For many years he was manager of the Florists' Exchange. Of late he has withdrawn from active business and has been giving attention to the development of his property in one of our growing suburbs, in which, it is understood, he has been quite successful. He is a man of high character, greatly respected and esteemed in numerous guests.

Fancy and Dagger FERNS $1.75 per 1000

Discount on large orders.

New Crop Galax, Bronze or Green, $1.25 per 1000: 10,000, $7.50. **Wild Smilax,** 50-lb. case, $6.00.
Sphagnum Moss, large bales.....$1.25
Leucothoe Sprays.....$1.00 per 100; 1000, 7 50
Boxwood.....35c per bunch; 50 lbs,. 7.50

Florists in the Middle and Western States can save money by placing their fern orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,
WHOLESALE COMMISSION FLORISTS,
38-40 Broadway, All Phone Connections. **DETROIT, MICH.**

Special Offer for 10 Days

Nice fancy **FERNS** 85c per 1000. Good **Dagger Ferns** $1.00 per 1000. New crop **Dagger Ferns,** $1.50 per 1000. **Galax,** Green and Bronze $1.00 per 1000: case lots, 10,000, $7.50. 50-lb. cases **Wild Smilax** $6.00. **Leucothoe Sprays,** bronze or green, 40c per 100. **Ground Pine,** 5c per lb. or 5c per yd. **Pine** and **Laurel Wreaths,** for decoration use; Pine, $1.50 per doz., Laurel, $2.50 and $3.00 per doz. Send your order early for your decoration use. **Laurel Festooning,** 4c., 5c. and 6c. per yard; made daily fresh from the woods **Boxwood,** No. 1 quality $8.00 percase, 50lb. Telegraph Office, New Salem, Mass. L.D. Phone Conn's.

CROWL FERN CO., Millington, Mass.

Asparagus Plumosus Nanus Seed, Only $3.00 1000.

We handle this Asparagus both in seeds and plants of all sizes in very large quantities, and make very close prices on larger amounts on application. Our seed is pure, fresh, of best germinating quality and extraordinary vitality. **Northern Greenhouse-Grown Seed.** Per 100 seeds, **60c;** 250 seeds, **$1.00;** 1000 seeds, **$3.00.** Price for larger lots on application.

VAUGHAN'S, Chicago or New York.

REMOVED.

From **HINSDALE, MASS.,**
To 6 South St., WESTFIELD, MASS.

We are now ready to receive orders for new crop of Ferns. Write for prices

JOHN ABBOTT, 6 South Street. WESTFIELD, MASS.

George Cotsonas & Co.

Wholesale and Retail Dealers in all kinds of

Evergreens.

Fancy and Dagger Ferns, Bronze and Green Galax.
Phone 1202 Mad. Sq.
Main Store. 50 W. 28th St. NEW YORK.

E. A. BEAVEN

Southern Wild Smilax,
Log Mosses,

Natural and Perpetuated—at Wholesale,

EVERGREEN, ALABAMA.

JOHN P. SCHERER,

Telephone 328 L Union.

636 Gardener St., UNION HILL, N. J.

SMILAX, FERNS, PALM LEAVES

and all kinds of GREEN GOODS.

THE KERVAN COMPANY,
113 West 28th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves Galax, Leucothoe, Ferns, Mosses and all Decorative Evergreens.

On Thursday at Blenheim, the handsome country place of Willian Lanahan, a wealthy citizen who has a fondness for horticultural matters, there was an outing of the Gardeners' Club and others interested in flowers and handsome lawns, trees and plants. Jacob Keplinger is the manager of the estate, and he always provides a profuse entertainment for his the community. S. B.

HOUSTON, TEX.—Robert Leupke is enjoying a trip to Germany accompanied by his wife.

EASTER LILIES

We have from 10,000 to 12,000 Lilies that are neither retarded nor forced, but grown as nature intended them to grow. Therefore just right for your use now. Will ship well. None so good on the market.

BEAUTIES.

Our Beauties are grown in solid benches. The roots do not dry out, but are down in deep soil. We have a big cut on and can supply any number at $3.00 per doz. for long stems down to 50c to 75c for short.

CARNATIONS.

Grown right, picked right and packed right, especially for the requirements of our big shipping trade.

ROSES.

We also grow in solid benches and from grafted stock all our **Killarney, Richmond, Kaiserin, Maid, Bride** and **Perle Roses.** If you have been disappointed elsewhere with poor stock, give our solid, bench-grown flowers a trial and see the difference.

Valley, Peonies AND Greens

Also in big supply.

Will give your order our best personal and individual attention. **Write, Phone or Telegraph To-day.**

BASSETT & WASHBURN,

GREENHOUSES: HINSDALE, ILL.

Office: 76-78 Wabash Ave., CHICAGO.

Toronto.

BUSINESS ACTIVE.

There has been decidedly more activity to the retail business; what with the races, June weddings and a number of funerals, all the florists benefited, and quite a lot of stock has been used up. Roses are still in very good shape, though the sun is becoming so strong that the quality will no doubt soon be affected. American Beauty and Richmond have been very plentiful, the majority of the work usually calling for the lighter shades. Carnations are both plentiful and good, though the crop is not nearly so heavy as a few weeks ago, and prices are much firmer. Other varieties of stock are plentiful enough for ordinary requirements.

NOTES.

The visit of the Countess Grey was a boon to trade, bouquets being presented on numerous occasions, and the many private parties all using flowers. Her excellency visited the Dale estate at Brampton and also called on H. G. Dillemuth, with whom she made arrangements for flowers for the tri-centenary at Quebec in July.

A. J. Houle, manager and shareholder of the Bedford Park Floral Co., has severed his connection with that firm and will start in business for himself, having purchased the houses and plant from Robert Abbs on Brock avenue. As a rose grower Mr. Houle is second to none in Canada and his new venture should prove a success.

Home-grown lily of the valley and some well colored cattleyas are part of the product of Grobba & Wandrey. This enterprising firm is up-to-date and always has something out of the ordinary.

Bride gladioli have been coming from R. Jennings, of Brampton, who unfortunately has been confined to his home through illness for the past two weeks.

Myosotis forms a large part of the window displays, J. S. Simmons having a very attractive show of this flower alone. H. G. D.

Montreal.

A GOOD SEASON.

Bedding out is proceeding just now as fast as possible. The demand seems to be as good as in former years with the same prices prevailing. Geraniums retail at $1.50 per dozen, 4-inch size. Petunias, verbenas and Mme. Salleroi geraniums in 3-inch pots sell at 75 cents. Smaller plants out of 2½-inch pots sell at 50 cents and annuals at 25 cents per dozen. More window boxes are filled this year than ever before and rustic stands are demanded more than last year not only for cemetery purposes but also for the front garden and entrances of residences. The landscape gardeners have a number of very large jobs on hand which causes them to neglect the lesser ones. The spring with its planting season has been so very short this year that it was almost impossible to finish planting on time; sodding is favored by frequent rains and the finest grass and lawns in years are to be seen.

Alderman Jas. McKenna, Montreal.

NOTES.

At the last meeting of the Gardeners' and Florists' Club a resolution of condolence was passed to be forwarded to the family of the late Wm. Scott. John Walsh and G. A. Robinson spoke of the great loss our profession had suffered by the death of such a recognized authority on botany, and sociable member of our craft as the late Wm. Scott.

James McKenna had the honor to be elected an alderman of this city. Cote des Neiges being annexed to the city this called for an election and every gardener and florist feels justly proud of Alderman James McKenna.

S. S. Bain has left the hospital cured of pneumonia but is still suffering from rheumatism.

C. A. Smith, Lachine, met with a painful accident by falling through a trap door.

The annual picnic will be held on July 29, at High Gate Springs, Vt.

LUCK.

MADISON, N. J.—The Brant Hentz Floral Co. was incorporated, June 4, with capital stock $2,000. The incorporators are Henry Hentz, Jr., and B. R. Morgan.

"THE BUSIEST HOUSE IN CHICAGO."

All of your orders filled promply with best stock. We have the **Best Peonies** in the market.

J. B. DEAMUD CO.

51 Wabash Ave., CHICAGO.

Chicago.

MARKET GLUTTED, LITTLE DEMAND.

There has been a very heavy supply of stock even for the month of June and comparatively little demand. The warm sun of last Friday, Saturday, Sunday and Monday was just such as to bring the flowers along very fast and especially the peonies. The local crop was on at its heaviest at the end of last week and continuing for three or four days there was no let up. While a very good proportion of them went into cold storage many were too open for that and had to be unloaded immediately upon the market. All this of course aggravated the glut in other lines. The cut of roses has been large. The hot sun had the effect of opening them too fast, and especially on Monday of this week were seen quantities of soft, full blown roses. Some of the large growers have made a specialty of growing American Beauty for summer use, and these are now very good for the season. Richmond and Kaiserin, too, of excellent grade can be obtained, and some very fair Bride and Bridesmaid are also coming in. The supply of carnations has added its usual quota of stock to the market, and the large supplies of other stock and the fact that so many of them lack shipping quality have hammered prices down to their lowest notch. Some very fair material, however, is to be had, and the color is even better than it was a short time back. Lily of the valley of exceptionally high grade is offered by some of the houses and is in good demand for the June weddings. The heat of last week faded many of the sweet peas, but cooler weather having intervened, some very good stock is now to be had. Easter lilies have again sprung into prominence. There has been no particular call for them, but the supply is large and the quality good. There is an abundance of all the greens of the season, including smilax, Asparagus plumosus, A. Sprengeri and adiantum.

FLORISTS' CLUB MEETING.

The last regular club meeting of the season was held the evening of June 4. President Leonard Kill was in the chair and the attendance was good. The club voted to hold its annual picnic at Morton Grove, Sunday, July 19. Several members were called upon to address the club, including J. S. Wilson, who leaves next month to take up his work at Des Moines, Ia.; August Poehlmann, the newly-elected chairman of the Morton Grove village board; the genial Phil Foley, Axel Aggerholm, of Onarga, and Emil Pielke, of Geneva. A vase of peonies from Vaughan's Nursery, Western Springs, was shown and much admired. W. O. Johnson, with the Foley Manufacturing Co., was elected a member, and the name of W. A. Arnold, 341 Balmoral avenue, was proposed for membership. Not the least interesting feature of the meeting was the report of Financial Secretary Jensen that the receipts of the evening amounted to $165. A motion that the regular meetings for July and August be omitted was carried, and adjournment was taken until the first Thursday evening in September, subject to the call of the president for any special occasion that may arise.

THE CLUB PICNIC.

It has now been definitely arranged that the club picnic will be held Sunday, July 19, at Morton Grove. The committee in charge consists of Geo. Asmus, T. E. Waters, Fred Lautenslager and Ed. Enders. Judging from the enthusiasm with which the affair has been taken hold of already, a good time is a certainty, and a record-breaking attendance a strong probability. Suggestions are in order. Push along a good thing.

THE PEONY OUTPUT.

On June 7 A. Kennicott & Son report having cut 2,578 dozen peonies that weighed 6,120 pounds, showing the substance in that firm's flowers. Their entire cut this season to date is 15,000 dozen. They began cutting on May 27 with pink Officinalis the first to be sent to market. The Peterson Nursery began cutting peonies on June 3 with Festiva Maxima the first to flower; 20,000 peonies is the season's cut. The Klehm Nurseries began cutting on May 25, Officinalis Rubra being the first variety to market; 10,000 dozen has been the cut.

NOTES.

Harry Rowe has carte blanche orders for the appointments and decorations at the elaborate wedding festivities to take place June 24, at the summer home (Dowagiac, Mich.), of Fred E. Lee, the wealthy Drexel boulevardan, his daughter the prospective bride.

Wm. K. Kroeschell, of the Kroeschell Bros. Co., left Sunday for Toronto to attend the annual convention of the National Foundrymen's Association. Fred Lautenslager is representing the same firm at the Milwaukee convention of the American Association of Nurserymen.

Visitors: T. Mellstrom, representing Sander & Sons, St. Albans, Eng.; Axel Aggerholm, Onarga; Emile Pielke, Geneva; M. Butterfield, Farmington, Mo.; A. L. Glaser, Dubuque, Ia.; Geo. Kaber, La Porte, Ind.; E. H. Hitchcock, Glenwood, Mich.; A. E. Kundred, Kendallville, Ind.; J. J. Evans, Richmond, Ind.; Eli Cross, Grand Rapids, Mich.

(CONTINUED ON PAGE 1040.)

Kennicott Brothers Company,

WHOLESALE

CUT FLOWERS.

48-50 Wabash Ave.,

CHICAGO.

Peonies

Now

Price

3 to 6 Cents.

We will have anything in the line of

Cut Flowers and Greens

that you may want if anybody has at Chicago market prices on day of shipment.

KENNICOTT BROS. CO.

L. D. PHONE, CENTRAL 466.

48-50 Wabash Ave., CHICAGO.

E. F. WINTERSON CO.

Long Distance Phone Central 6004.

45-47-49 Wabash Ave., Chicago

Wholesale Cut Flowers and Florists' Supplies.

FOR JUNE WEDDINGS We can supply **Fancy Long Stemmed Sweet Peas, Valley, Peonies, Fine Maidenhair Ferns, etc.** We are also receiving a fine lot of **Multiflorum Lilies** (Hardy Stock). All **Cut Flowers** in season at Chicago market rates.

We also have a full line of **Fancy Baskets, Chiffons, Ribbons,** and all requisites for your swell **June Weddings.**

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of **CUT FLOWERS**

WEILAND & RISCH

Wholesale Growers and Shippers of

CUT FLOWERS

59 Wabash Ave., CHICAGO.

'Phone Central 879.

Write for our wholesale price list.

WHOLESALE FLORISTS

For Weddings and Commencements

CUT FLOWERS AND SUPPLIES.

We are Headquarters.

E. H. HUNT

——SEND FOR PRICE LIST.——

76 Wabash Avenue, CHICAGO.

E. C. AMLING

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 Randolph Street, CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, June 10.

Rose, Beauty, extra fancy		4 00
" " 24 to 30-in. stems		3 00
" " 12 to 20-in. stems	1 50@	2 00
" " Short stems		1 00
" Killarney	6 00@	12 00
" Bride, Maid, Ivory Gate	4 00@	6 00
" Liberty, Richmond	4 00@	8 00
" Chatenay, Perle	4 00@	6 00
Carnations	1 50@	3 00
Lilium Harrisii, per doz.	1 00@	1 25
Callas, per doz.	1 00@	1 25
Lily of the valley	2 00@	4 00
Gladiolus, per doz.	1 50@	2 00
Peonies, per doz.	40@	75
Snapdragon, per doz.	50@	75
Sweet Peas	50@	2 00
Pansies	75@	1 50
Iris, blue		5 00
" white & yellow		3 00
Narcissus, poeticus, double		2 00
Cornflowers	60@	75
Daisies, white	75@	1 00
" yellow	1 00@	2 00
Smilax, per doz		2 00
Asp. Plu. & Sprengeri, bunch		50
Asparagus strings, each		50
Adiantum, per 100	75@	1 00
Leucothoe sprays	60@	75
Ferns, per 1000		2 50
Galax, green, per 1000		1 00
" bronze, per 1000		1 00
Boxwood, per bunch		35

KANSAS CITY, Mo.—J. Austin of Thirty-fifth street and Park avenue, writes: "I am glad to say that during the three years I have been here I have built up a very substantial business. At first I only had a small greenhouse 16x 75 feet; but last year I built one 12x106 and one 22x106 and this summer I hope to add two more."

Chas. W. McKellar

51 Wabash Ave.

CHICAGO.

ORCHIDS

A Specialty

Fancy Stock in **VIOLETS VALLEY, ROSES, BEAUTIES, CARNATIONS** and a full line of all **Cut-Flowers, Greens, Wire-Work** and **FLORISTS' SUPPLIES.**

Send for Complete Catalogue.

Poehlmann Bros. Co.

Wholesale Growers of and Dealers in **Cut Flowers**

All telegraph and telephone orders given prompt attention.

Greenhouses: MORTON GROVE ILL.

35-37 Randolph St. CHICAGO.

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO

Telephone, Central 3284.

Vaughan & Sperry,

Wholesale Florists,

56 and 80 Wabash Ave., CHICAGO.

WRITE FOR SPECIAL PRICES.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. **WHOLESALE FLORISTS** CHICAGO.

PRICE LIST.

RED

American Beauty, long stems,.....$ 3.00 per doz.
30-inch stems..... 2.50 per doz.
24-inch stems..... 2.00 per doz.
20-inch stems..... 1.50 per doz.
15-inch stems..... 1.25 per doz.
12-inch stems..... 1.00 per doz.
Short stems..... 75c per doz.
Richmond, Liberty.....$4.00 to $ 8.00 per 100

WHITE

Bride, Ivory.....$4.00 to $ 6.00 per 100

YELLOW

Perle.....$4.00 to $ 6.00 per 100

LIGHT PINK

Uncle John, Golden Gate... $4.00 to $ 6.00 per 100

PINK

Chatenay.....$4.00 to $ 8.00 per 100
Bridesmaid..... $4.00 to $ 6.00 per 100
Mrs. Marshall Field, Killarney, ... $6.00 to $10.00 per 100

COPPER COLOR

Sunrise.....$4.00 to $ 6.00 per 100

Roses, our selection, $3.00 per 100.

Carnations,.....$ 1.50 to $ 2.00 per 100
Easter Lilies,..... 8.00 to 12.00 per 100
Callas.....$ 8.00 to $12.00 per 100
Valley, fancy..... 3.00 to 4.00 per 100

Extra fancy Asparagus Plumosus, 50c to 75c per bunch.

PETER REINBERG, 51 Wabash Ave., Chicago.

Chicago Notes.

CONTINUED FROM PAGE 1038.

Miss Josepha Then, of the Flower Growers' Market, who handles the stock grown by her father, Anton Then, continues to receive some very fine carnations, including White Lawson which took first prize at the flower show last fall. Bride and Bridesmaid roses are also good.

Ten thousand peonies displayed in large baskets swung from the pillars of the entire main floor was the appropriate decoration of Carson, Pirie, Scott & Co.'s big dry goods store last week. The peonies are said to have come from Elmhurst.

The Kennicott Bros. Co. is receiving fine lots of home-grown peonies and placing a proportion of them in cold storage to meet the demands of the trade after the crop is off.

The A. L. Randall Co. is receiving some of the finest lily of the valley seen on the market, with long, strong stems and well provided with perfectly-shaped bells.

The John C. Moninger Co. reports having filled more orders in April and May of this year than in the corresponding months of any previous year.

The A. Dietsch Co. reports steadily increasing orders for greenhouse material from the far western states, like Montana.

Lake Forest Horticultural Society.

We have received the preliminary premium list of the second annual exhibition of the Lake Forest Horticultural Society to be held at Lake Forest, Ill., in July—no date given. W. C. Egan, E. A. Kanst, W. N. Rudd, Robt. J. Sampson, Axel Johnson and C. J. Reardon are announced as judges. Copies may be had on application to J. W. Sharpenberg, secretary, Lake Forest, Ill.

St. Louis.

LITTLE IMPROVEMENT IN CONDITIONS.

Everything is plentiful and the quality of stock is daily becoming more inferior. June weddings and school closings cause some demand, but otherwise there is little doing. After June 15 summer dullness prevails. A few asters are in and gladioli are becoming more plentiful. A great many sweet peas are mildewed; outdoor stock is now in.

NOTES.

If the bill which passed the council receives a favorable vote in the house, together with the signature of the mayor, no railroad company can operate a steam road in Forest Park or within 1,500 feet of it. Both Park Commissioner Scanlan and City Forester Meyer favor the restriction.

Billy Winters, of Kirkwood, is complaining of mildew on his sweet peas. He also stated that prices this spring were much lower than last year. He is fitting up a new store room and office at his greenhouses.

A bill favored by Mayor Wells will be brought into the house of delegates to purchase the old fair grounds for $700,000 to be used for park purposes. This will be a great boon to the north end.

Shaw's Garden opening June 7, was well attended, everything looking fine. Special efforts were made by Prof. Trelease and Prof. Irish to make the opening a success.

The florists at Belleville, Ill., had a busy week at the Egyptian Hustlers' festival June 5. The flower parade was the feature and the decorations were elaborate.

W. J. & M. S. Vesey, Fort Wayne, Ind., are still sending large consignments to this market. These are not showing the effects of the weather.

It has been decided to have the florists' picnic at Normandy Grove, July 15. Final arrangements will be announced next Thursday at the Florists' Club meeting.

Alex. Waldbart & Sons have been doing a good trade of late. Their neighborhood is fast becoming a business center.

The west end florists in general say trade is dull, but they always manage to be doing something.

Dominic Bova had to hire extra help last week. He had very heavy orders in funeral work.

The Bentzen Floral Co. has the decorations for the Yeitmann high school.

The Mullanphy Floral Co. has the decorations at Central high school.

Julius Koenig has full charge and management at Ostertag Bros.

The Ayres Floral Co. is doing a fine trade.

Visitors: R. A. McPherson, Litchfield, Ill., and H. Ernst, Washington, Mo. W. F.

WEST BERKELEY, CALIF.—Business here was very good for Decoration day but the stringency of money is felt in all parts and May was a very dull month.

NEW ORLEANS, LA.—The Stella Planting Co. has been chartered with $75,000 capital. The directors are J. B. Sinnott, Walter L. Saxon, Paul J. Orchard, Chas. J. Sinnott and Henry Lee Sinnott.

LOUISVILLE, KY.—In a desperate encounter with an alleged chicken thief recently in the rear of the residence of T. B. Rudy, at 1018 First street, three people were badly injured, including Alexander Morton, colored, who is under arrest, charged with chicken stealing and malicious cutting. Mr. Rudy and his son-in-law were each cut on the hand with a pruning knife wielded, it is said, by the negro. Mr. Rudy probably owes his life to his son-in-law, who warded off a stab directed at his back.

OUR CARNATIONS

are still in fine shape due to the fact that the temperature in Milwaukee is low compared to other cities owing to the cool winds from Lake Michigan that blow across our city. Try them and be convinced.

We also have fine **VALLEY** for **June Weddings.**

HOLTON & HUNKEL CO.,

462 Milwaukee Street, MILWAUKEE, WIS.

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations and all kinds of Seasonable Flowers in stock.

WM. F. KASTING CO. Wholesale Commission Florists.

BUFFALO, N. Y.

Florists' Supplies and Wire Designs.

—THE—

J. M. McCullough's Sons Co.

Wholesale Commission Florists.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

European Horticulture.

FROM THE FRENCH TRADE PAPERS.

A NEW CLASS OF DAHLIAS.—A Dutch firm has obtained, by crossing the cactus dahlias with single varieties, a new class, which he calls peony flowered. They are very large, sometimes quite single, but for the most part having several rows of flat petals, more or less wavy or wrinkled, and having a tendency to split. The plants grow from three to six feet high and are said to be very decorative. Several varieties were certificated in Amsterdam in August last, among them Geisha, Bertha von Suttner, Andrew Carnegie, Hugo de Vries.

WITLOOF OR CHICORY.—An excellent authority states that the suburbs of Brussels alone produce thousands of pounds of this delicious salad weekly, and that Belgium exports to the United States 10 tons per week. The demand in Chicago is increasing at a remarkable rate, and it is high time our home growers profited by it.

A MASS OF PRIMULA OBCONICA in mauve, pink and lilac, bordered by Begonia Gloire de Lorraine, was a great success at a Paris show.

Wholesale Flower Markets

BUFFALO, June 10.

Roses, American Beauty	3 00@25 00
" Bride, Bridesmaid, Meteor	3 00@ 8 00
Carnations	1 00@ 2 00
Lily of the valley	2 00@ 4 00
Smilax	15 00
Adiantum	50@ 1 50
Lilies	12 00@15 00
Galax, per 1000, $1 50	
Ferns, per 1000, 1 50	
Mignonette	1 00@ 2 00
Daisies	1 00@ 2 00
Sweet peas	40@ 75
Asparagus Sprengeri, per bunch,	25 50
Asparagus plumosus, per bunch.	25@ 50
Peonies	2 00@ 5 00

CINCINNATI, June 10.

Roses, Beauty, $1 00@$ 4 00	
" Bride, Bridesmaid	3 00@ 6 00
" Richmond	3 00@ 6 00
" Golden Gate	3 00@ 6 00
" Ivory	3 00@ 6 00
Carnations	1 00@ 3 00
Lily of the valley	2 00@ 3 00
Daisies	50
Callas	10 00
Harrisii	12 50
Smilax	12 50@15 00
Asparagus plumosus and Sprengeri in bunches, per bunch 25c	
Eastern Ferns, per 1000, $2 00	
Galax, Green and Bronze, $1 00	
Iris	2 00
Peonies	4 00
Sweet Peas	50

ST LOUIS, June 10.

Roses, Beauty, long stems	2 50@ 3 00
" medium stems	1 50@ 2 50
" " short stems	4 00@10 00
" Bride	2 00@ 5 00
" Bridesmaid	2 00@ 5 00
" Chatenay, Richmond	2 00@ 5 00
" Killarney	2 00@ 5 00
Carnations, common	1 00
" best	1 50@ 2 00
Smilax	12 50
Asparagus Sprengeri	1 00@ 2 00
" cut sprays	1 00@ 2 00
Ferns, fancy, per 1000, $2 25	
Lily of the valley	3 00
Sweet peas	20@ 50

MILWAUKEE, June 10.

Roses, Beauty, 75@ 3 00	
" Liberty, Chatenay	3 00@ 6 00
" Bride, Bridesmaid	3 00@ 6 00
" Richmond, Golden Gate	3 00@ 6 00
" Perle	4 00@ 6 00
Carnations	1 00@ 3 00
Smilax, $1 50 per doz.	
Asparagus, sprays	3 00
" Sprengeri	2 00@ 3 00
Lily of the valley	3 00
Adiantum	1 50
Common ferns, $? 00 per 1000	
Harrisii lilies $8 00@10 00 per 100	
Sweet peas	25@ 50

HEMEROCALLIS HYBRIDS.—The Revue Horticole notes the beauty and hardiness of the later hybrids of hemerocallis, mostly of English or German origin, which comprise most of the shades of yellow and orange, among them Aureole, very large orange flower; Citrina, freely branching lemon yellow; Sovereign, chrome yellow, very lasting and especially large. For border plants blooming in June and July they are most desirable.

Our New Quarters

GIVE US A TRIAL

Buffalo Cut Flower Co.

495 Washington St.,

BUFFALO, N. Y.

We handle **carnations, roses** and all other kinds of **seasonable flowers** at all times, also **wire designs** and **florists' supplies.**

100 **Rubber Plants,** in 5-in. pots, 75c each.
100 " in 6-in. pots, $1 each.

Long Distance Phone

Frontier 3607 Bell, Seneca 3762

RICE BROTHERS

Wholesale Florists and Supplies,

115 N. 6th St., MINNEAPOLIS, MINN.

CUT FLOWERS received twice daily. Can fill your orders to your satisfaction. Also headquarters for **Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns.** Prices quoted on large quantities.

C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs

Weiland & Olinger,

128 E. Third St., CINCINNATI, OHIO.

Wholesale Growers and Shippers of Cut Flowers.

Greenhouses, NEW CASTLE, IND.

WM. C. SMITH & CO

WHOLESALE FLORISTS.

1316 PINE ST.,

Bell, Main 2018. Kinloch, Cent. 410 **ST. LOUIS, MO.**

H. G. BERNING,

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

A NEW CLIMBING ACONITE, introduced by Vilmorin from China, grows about seven feet high and is suitable for trellises; foliage deep green, flowers numerous, dark blue, continuing through the fall.

New York.

INDOOR STOCK DETERIORATING.

Nothing unusual happened in the wholesale district during the past week. Flowers were cheap and plentiful and there were not enough buyers to move the surplus. There was the usual amount of grumbling among the dealers. Even the two old bachelors, whom the prophet of Baal had consigned to the "great majority," persisted in keeping healthy and going regularly to their meals. Noteworthy was the great quantity of splendid peonies that arrived. While the wet weather of May put much greenhouse stock in bad condition, it put health and vigor into the peonies. It is true that many of them are going cheap, but it is at all times a pleasure to see good in preference to poor stock. On the other hand, the quality of greenhouse stock has been steadily deteriorating. Though that is to be expected at this season, it is in much worse shape now than at this time last year. American Beauty roses, being in a class by themselves, are not so much subject to criticism, but Richmond is miserable and may as well be taken out of the summer rose class. There are some good lots of Kaiserin coming in, but of other varieties, soft, weak and mildewed stock predominates. Of carnations an immense stock poured in all the week, but it is probable that when the growers get the returns of the week's prices they will begin to pull up and get ready for another planting. There is a movement in lilies and lily of the valley, but the much-heralded June weddings have, up to this time, made no perceptible impression on the market.

June 8.—The week opens with an oversupply and a light demand. Peonies are very plentiful and prices are dropping. The opening of the summer gardens and bedding work makes considerable activity in plants. The weather is warm.

FLORISTS' CLUB MEETING.

The regular monthly meeting of the club was held in the hall in the Grand Opera house building on the night of June 8. As this was the last meeting before the summer vacation there was considerable business to dispose of. Considering the warm weather there was a good attendance. President Weathered occupied the chair. Patrick O'Mara reported for the transportation committee to the convention of the Society of American Florists at Niagara Falls. The Delaware, Lackawanna & Western R. R. was recommended, that road having agreed to make a round-trip rate of $11.67, and furnish a special train providing the delegation numbered 100 persons. The report was accepted and the committee given full power to act. Vice-President Marshall reported for the outing committee that a generous amount of advertising and private donations had been received for the programme, the advertising amounting to $262, the donations, $251.50. The outing programmes were distributed at the meeting. To avoid possible confusion, dinner and ice cream tickets will this year be issued with the outing tickets. The tickets, as heretofore will be $5 per couple. Chairman Marshall expressed the opinion that all that is now needed for a successful outing is good weather.

This will be the eighth annual outing of the club. It will take place on July 1. The Steamer Isabel will leave Thirty-first street and the East river at 10 a. m. for Witzel's Point View Grove, L. I., where the outing will be held.

Chairman Rickards of the house committee reported on the ladies' night meeting, thanking the members for their co-operation. A vote of thanks was tendered chairman Rickards for his very successful arrangements for the entertainment. The following were elected members of the club: Messrs. Chadwick, Millang, Donaldson, Meisen, Hurley and Hogg. J. J. Coan was proposed for membership.

Patrick O'Mara spoke on behalf of a large delegation to the S. A. F. convention at Niagara Falls. An appropriation of $50 was placed at the disposal of the transportation committee to defray necessary expenses. A committee composed of Messrs. O'Mara, Traendly and Butterfield presented resolutions on the death of Mrs. Young, mother of Secretary John Young; the resolutions were adopted. A committee consisting of Messrs. O'Mara, Traendly and Stewart presented resolutions, which were adopted, on the death of Wm. Scott, of Buffalo. Secretary Young reported to the club the death of James Shanley, a member, and a committee consisting of Messrs. Birnie, Sheridan and Donaldson was authorized to send resolutions to the family, and report at the next meeting of the club.

Harry Turner, gardener to Howard Gould, Port Washington, L. I., exhibited Malmaison carnations, Mrs. Trelawney and Calypso; awarded a cultural certificate. A new white peony was exhibited by John Hurley, his object being to have it named. The committee recommended the name of Maximum. He was tendered a vote of thanks. A very interesting feature of the meeting was the lecture by Geo. V. Nash, of the Brown Botanical Gardens, on "Flowering Shrubs for Outdoor Planting." The lecture was illustrated with lantern slides, a great variety of flowering shrubs and plants being shown. The lecturer treated his subjects in four groups, (1) for gardens; (2) water margins; (3) roadways; (4) hedge plants. Mr. Nash was entertaining and instructive throughout and at the close was tendered a vote of thanks. The club adjourned, to meet the second Monday of September.

NOTES.

On June 4, at 10 a. m., five ocean liners backed out of their docks and steamed out of the North river. They were the record-burning Mauretania (Cunard), Celtic (White Star), Amerika (Hamburg-American), Luetsow (North German Lloyd) and Provence (French line). The pessimists in the florist business, who are always seeing disaster ahead, should have been with

JUNE WEDDINGS
and School Closing Exercises.

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PEONIES.

We have them in white and pink, the quality of them being unexcelled. They come from the famous **Peterson Peony Farm,** which has the reputation of growing the finest collection of Peonies in the United States.

SWEET PEAS

with us are certainly fine. We have them in the light pink or Enchantress shade, lavender, red, white, and navy blue, an unexcelled violet shade.

AMERICAN BEAUTIES.

These are grown specially for summer use, and are as fine summer Beauties as can be found on this market.

Also a good quality of **Maid, Bride** and **Richmond Roses.**

We also offer **CARNATIONS**

of the choicest varieties, the quality of which is unsurpassed on this market.

We can supply you with fine

Valley, Smilax, Asparagus, Adiantum

and all other stock in season.

Send in your orders and secure the BEST THE MARKET AFFORDS.

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Telephone 3870-3871 Madison Square.

the writer, in view of the Mauretania and Celtic as they moved out. Each crowded with passengers, who lined the rails, waving adieus to friends on shore, the scene presented might be aptly termed a floral festival. Hundreds of the women passengers carried enormous bouquets, American Beauty roses predominating, which, in the burst of sentiment which prevails on such occasions, they enthusiastically waved to the accompaniment of cheers, good-byes and "God bless you's." Aside from what were seen on deck, there were on board each ship thousands of dollars' worth of flowers, in even more elaborate arrangements.

Henry Hession, well known as a successful carnation grower of Flatbush, has a new house almost completed in the latest and most improved style of construction executed by the Lord & Burnham Co. The dimensions are 58 feet 6 inches by 200 feet, and 21 feet 6 inches in height. It is of iron frame construction on a concrete foundation, the iron posts being imbedded in three feet of concrete. The posts and rafters were made in separate sections and then securely plated and bolted together. The house is covered with double-thick English glass, in sizes 16x24 and 16x30. It will be heated by the largest size of boiler manufactured by the Lord & Burnham Co.

Geo. Johnston, formerly with the Johnston Heating Co., and a brother to the members of that firm, has been very ill for several weeks with intermittent fever and rheumatism. He is a popular young man, with many friends and associates, and it is hoped he will be speedily restored to health.

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57 West 26th Street, Cor. 6th Avenue NEW YORK.

Wholesale Flower Markets

NEW YORK, June 10.

Roses, Beauty, special	8 00	@10 00
" " fancy	5 00	@ 6 00
" " Nos. 1 2 and 3	50	@ 4 00
" Richmond	1 00	@ 3 00
" Bride, Bridesmaid, Killarney		
Extra and Special	2 00	@ 3 00
No. 1		1 00
No. 2		50
Carnations, fancy	1 00	@ 1 50
" common	25	@ 50
Lilies	1 00	@ 5 00
Lily of the valley	1 00	@ 3 00
Asparagus plumosus strings	25 00	@40 00
" per doz. bunches	2 00	@ 3 00
Smilax	8 00	@10 00
Cattleyas	35 00	@50 00
Gardenias	1 00	@ 5 00
Callas, per dozen	30	@ 60
Mignonette	1 00	@ 2 00
Sweet peas, per dozen bunches	35	@ 75
Snapdragon	75	@ 1 00
Stocks	50	@ 75
Iris, English	1 00	@ 2 00
" German	50	@ 75
Peonies	1 00	@ 3 00

John Young

WHOLESALE FLORIST,

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Long Distance Telephone, 4463-4 Madison Sq.

J. Seligman. Joseph J. Levy.

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Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best Prices. Satisfaction guaranteed. Tel. 4878 Madison.

Cleary's Horticultural Co.

62 Vesey St., NEW YORK.

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American Beauty Roses a Specialty. Roses, Violets, Carnations, Valley, Lilies, Etc.

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39 West 28th St., NEW YORK

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Telephone, 2065-2066 Madison Sq.

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FINEST PEONIES, VALLEY, ROSES

and all other seasonable Cut Flowers and Greens for your special WEDDING AND COMMENCEMENT ORDERS. We are prepared to fill all orders.

In the Supply Dept.: CHIFFONS and RIBBONS to harmonize with all flowers. Large assortment of Fancy and Novelty BASKETS. Send us an order for WIRE WORK.

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L. D. Phone Central 1496. Private Exchange all Departments

19-21 Randolph Street, CHICAGO.

Philadelphia.

A BUSY WEEK.

Evidences of the approaching summer holiday season are already seen in the closing of many of the high class shops at noon on Saturdays, beginning with June. The flower shops will not follow until July when some of them will close at one. Last week was a busy one with school commencements and weddings, there being a good demand for all choice flowers, particularly American Beauty and Killarney roses. Sweet peas and lily of the valley sell fairly well, but the price is low, very little bringing over $3 per 100 and much good stock selling for $2. The quality of the roses and carnations is rapidly deteriorating, the difference between the local and imported New England and Hudson river stock being quite marked. The prices for this fancy stock is, however, almost prohibitive, 18 to 24-inch Killarney being held at $20 per 100, while the best local production is quoted at $6. There are still a few peonies, mostly from cold storage. Prices are quoted even lower now than when they were at their height, which shows there is but little demand and the desire is to work off the stock before the booming of the cannons on the glorious Fourth of July. The growers are now busy with their planting, getting their inside crops started for the market of the coming fall and winter.

NOTES.

The Joseph Heacock Co., which recently purchased a large block of cypripediums, which, when added to its already large stock of the same variety and some hundreds of cattleyas, has taxed the firm's capacity, and an additional structure, to be devoted exclusively to orchids, is going up. This, when completed, will make the firm a factor as there will be stock here that can be counted on when the season of bloom is at hand.

The Robert Craig Co., is clearing out its large carnation range preparatory to planting the carnations to be grown on inside during the summer. Mr. Craig thinks the early start, insuring a good crop in October or November, will more than pay for the few flowers sacrificed at this season. Quite a number of other growers are also of this opinion and the inside culture of the divine flower will be more general than ever.

The paper of Arthur Niessen, read before the Florists' Club last Tuesday evening, has caused much general interest in the trade. It is likely that the discussion that was interrupted by the limited time allowed for this interesting part of the paper will be resumed at the next meeting.

Julius Wolff has largely increased his stock during the last year and is very well satisfied with results, having built up a good store demand in addition to his wholesale trade.

W. K. Harris already has several large houses planted with chrysanthemums and is filling the others, devoted to the culture of his favorite flower, as rapidly as possible.

The popularity of the orchid as a cut flower appears to be increasing in this market and several of the growers hereabouts are adding considerably to their stock of plants. K.

LILIES! LILIES!

No cold storage stock. Large flowers, with long, stiff stems. Try these and you will take no others.

ROSES. Brides, Maids, Richmonds, A1 quality. None better to be had around Chicago.

Carnations. Cool lake breezes and well shaded houses are producing fine flowers of good color; white, too, of superior merit.

AND ALL OTHER SEASONABLE STOCK.

All at Lowest Market Prices.

ZECH & MANN,

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Boston.

STOCK OVER PLENTIFUL.

The market is sadly neglected and there is a glut of stock the greater part of which is of such quality that anything like a profitable figure cannot be expected. Carnations and roses are arriving by thousands and are disposed of in bulk at buyers' bids usually accepted without discussion. The business of the day is practically done before 9 a. m. and after that there is a complete suspension of trade. Street venders are doing an immense business as with a market brim full of their specialties and prices well shattered it is possible for them to offer fair goods at the most inducing terms. Half of the stock coming in at present is disposed of in this way. It is seldom that June witnesses so few weddings, and most of those already accomplished were very limited so far as floral decorations are concerned. Roses of all kinds have greatly deteriorated in quality, and a first quality rose other than Kaiserin is scarce. The carnation market is in a wretched condition and a tremendous quantity is coming in. Sweet peas are the principal attraction now and with a few specialties added, such as campanulas, gladioli, etc., the selection of attractive flowers is considerably limited.

NOTES.

The W. W. Edgar Co. has been reorganized, two separate concerns resulting. The two sons, Robert and Frank Edgar, have consolidated and will operate the new plant of the old firm at Waverley and be known as Edgar Bros. The W. W. Edgar Co. will continue business at the original plant with Mrs. W. W. Edgar president and treasurer and Herman Borsch as manager. In Mr. Borsch, who has been identified with the late Mr. Edgar 14 years, the responsibilities of management have been well placed.

The annual rhododendron exhibition of the Massachusetts Horticultural Society was held June 6-7 in the society's hall. The display this year was particularly good, due to the fine weather, and was attended by a large concourse of visitors on both days. Sunday as usual drew the largest crowd and the exhibition was open both day and evening.

William H. Nicholson the well known grower of Framingham left for the south this week where he goes to participate in the wedding of a friend in Virginia. An extended vacation follows including a visit to the leading southern cities and consuming about three weeks. Meanwhile Arthur Harrington will conduct the business at the Park street market.

Mrs. John L. Gardner, the wealthy society leader of this city, has offered a prize of $100 for the best window box shown by and planted by the children of the city. Mrs. Gardner is an enthusiastic horticulturist and also a lover of children and this is one of her ways to bring the two closer to each other.

Daniel Murphy for 34 years in the employ of Wm. E. Doyle, and the greater part of that time manager of the greenhouses, has severed his connection with the firm. After a well-earned vacation Mr. Murphy intends to become connected with one of the larger growers in Philadelphia or New York.

We note the death of Mrs. Jerome Jones, of Brookline, a great lover of flowers and in honor of whom the excellent chrysanthemum bearing her name was registered. Mrs. Jones was also an enthusiastic lover of flowers and was proprietor of one of the most magnificent estates in Brookline. B.

Massachusetts Horticultural Society.

The following are the awards at the Massachusetts Horticultural Society's rhododendron exhibition, June 6-7: Orchids, display of 25 plants arranged for effect with foliage plants—Mrs. J. L. Gardner, first. Rhododendrons, largest and best collection, not less than 15 distinct varieties, six trusses of each—Walter Hunnewell, first; Mrs. J. L. Gardner, second. German irises, 36 vases

Buyers of Cut Flowers

Will find a reliable source of supply in dealing with

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Everything Seasonable.

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AMERICAN BEAUTIES

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

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GRAFTED AND OWN ROOT ROSES

KAISERIN, CARNOT, KILLARNEY, RICHMOND, LIBERTY, BRIDE and BRIDESMAID.

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NOTICE.

A fine lot of commercial Orchid Plants for sale at a reasonable price.

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CARNATIONS in quantity. Special prices on large orders.

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of three trusses each, of not less than 12 varieties—T. C. Thurlow & Co., first; F. J. Rea, second. Hardy herbaceous flowers, distinct species and varieties, not less than 10 genera, 30 bottles—Blue Hill Nurseries, first and second.

Gratuities: J. E. Rothwell, display of orchids; E. J. Shaylor, display of peonies; Fred. Mason, vase of peonies; Mrs. Fred'k Ayer, display of German iris; Charles W. Parker, vase of Iris pallida Dalmatica; Harvard Botanic Garden, display of fuchsias; Mrs. Fred'k Ayer, display of fuchsias; R. & J. Farquhar & Co., display of iris and herbaceous plants; Julius Heurlin, display; Mrs. E. M. Gill, display; James McKissick, display; W. W. Rawson, display.

Silver gilt medal: R. & J. Farquhar & Co., for display of rhododendrons and kalmias.

First-class certificate of merit—Harvard Botanic Garden, for culture of Cereus speciosus; Julius Heurlin, for Lupinus Moerheimii.

Honorable Mention: Harry S. Rand, for Magnolia Watsoni.

Albany, N. Y.

The local trade reports very good business for the week ending with Memorial day.

At the last meeting of the Florists' club, held at the establishment of W. C. King on Madison avenue, 40 members were present. George King, gardener at the executive mansion; J. J. Walsh, gardener to the bureau of parks, Frank Williams and C. H. Lang were elected to membership. A short address on the local state of trade was delivered to the club by Mr. King, the host. Fred A. Danker, chairman of the committee appointed some time ago to get out a special circular upon the care of plants, reported progress and asked for an extension of time, which was granted. During the evening a very enjoyable social time with refreshments was had. Lewis Schaefer entertained with recitations and a competent entertainment committee attended to the wants of all present. Arrangements were perfected for the next meeting, which will be held at the establishment of the president, Fred Goldring, at Slingerlands, on the evening of July 2. The members will leave the city in carryalls at 6 p. m. R. D.

Wholesale Flower Markets

PHILADELPHIA, June 10.

Roses, Tea	4 00@ 6 00
" " extra	8 00@10 00
" Liberty	6 00@25 00
" Beauty, extra	20 00@25 00
" " first	10 00@15 00
Carnations	1 50@ 3 00
Lily of the valley	2 00@ 3 00
Asparagus, bunch	50 00
Smilax	15 00@20 00
Adiantum	1 00@ 1 50
Cattleyas	50 00@60 00
Lilium Harrisii	6 00@ 8 00
Mignonette	2 00@ 3 00
Sweet peas	50@ 75
Gardenias	15@ 25

PITTSBURG, June 10.

Roses, Beauty, specials	20 00@25 00
" " extras	12 00@15 00
" " No. 1	8 00@10 00
" " ordinary	4 00@ 6 00
" Bride, Bridesmaid	2 00@ 8 00
" Chatenay	2 00@ 8 00
" Richmond	3 00@ 8 00
" Perle	4 00@ 6 00
" Killarney	4 00@ 8 00
Carnations	1 00@ 2 00
Lily of the valley	3 00@ 4 00
Smilax	15 00
Asparagus, strings	50 00
" Sprengeri	3 00@ 4 00
Lilies	12 50@15 00
Adiantum	1 00
Cattleyas	75 00
Sweet peas	50
Gladiolus	4 00@ 6 00
Iris, Spanish	6 00
Snapdragon	4 00

BOSTON, June 10.

Roses, Beauty, best	15 00@20 00
" " medium	10 00@12 00
" " culls	6 00@12 00
" Bride, Bridesmaid	1 00@ 2 00
" Extra	4 00@ 8 00
" Liberty	8 00@12 00
Carnations	1 50@ 2 50
" Fancy	2 00@ 3 00
Smilax	8 00@12 00
Adiantum	75@ 1 00
Lilies	12 00@15 00
Asparagus	35 00@ 0 00
Harrissi	10 00@12 00
Callas	8 00@12 00
Narcissus	2 00@ 3 00
Sweet peas	50@ 1 00
Peonies	3 00@ 5 00

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All Seasonable Flowers.

Pittsburg Cut Flower Co.

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WHOLESALE FLORISTS

222 Oliver Ave. PITTSBURG, PA.

LAWRENCE, MASS.—At the natural history room in the Central building an interesting exhibition of 100 beautifully colored plates of our common wild flowers is now being held. They are the work of A. D. Marble, the city engineer. To flower lovers an opportunity is given of identifying and naming many specimens that may have been known to them by sight, but to which they have not been botanically introduced. To those who appreciate artistic work, Mr. Marble's accuracy of drawing and faithful reproduction of color is especially pleasing.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

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COMMISSIONS CARRIED OUT IN LONDON

or any part of Great Britain.

Messrs. WILLS & SEGAR will attend to any commissions from American florists for the supply of Cut Flowers, Birthday flowers, Bouquets, High Class Floral Designs, etc. to their clients who may be traveling in England.

WILLS & SEGAR, Court Florists to His Majesty, The King.

ROYAL EXOTIC NURSERY.

TELEGRAMS Onslow Crescent, South Kensington,
FLOSCULO, LONDON. LONDON, ENGLAND.

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WILLIAM L. ROCK Flower Co.,

Will carefully execute orders for Kansas City and any town in

Missouri, Kansas or Oklahoma.

Philadelphia, Pa.

Robert Kift,

1725 Chestnut Street.

Prompt and Careful Attention given to all Mail and Telegraph orders.

Buffalo.

BANNER JUNE BUSINESS.

Trade for Memorial day was about as usual, nothing startling from the down-town stores. Greenhouses in the immediate vicinity of the cemeteries did a fine business. Weather for the week preceding was fine, consequently all wanted their vases filled. The result was, as usual, some disappointments. June rushed upon us in an ideal florists' way. From two to four weddings daily were the portion of W. J. Palmer & Son and S. A. Anderson, while the other florists were quite busy. It is safe to say that a better week for florists in June has not been recorded in several years. Stock is plentiful but Bridesmaid and Bride roses are getting very small. Carnations are only fair. Peonies are not plentiful, but in good demand. American Beauty roses are plentiful. Lily of the valley and orchids have had a remarkable sale for brides' bunches, corsages and other purposes. The next two weeks will be busy with school commencements, after which the florists, proprietors and employes, will start on their annual vacations. The usual agitation of closing at 6 p. m. during July and August has not started, and it is useless, for some would not close at any price.

Joseph Sangster, who is manager for S. A. Anderson, has opened a flower store on Jefferson street in the Cold Spring district. The location appears to be a good one. Mrs. Sangster will manage the store and Joe will continue with Mr. Anderson.

The attendance at the bowling club has been small, owing to outdoor work and the all around rush of spring trade.

Recent visitors: A. N. Pierson, Cromwell, Conn.; S. B. Greene, Philadelphia, Pa.; S. S. Skidelsky, Philadelphia, Pa.

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Cor. Miami and Gratiot Aves.

Artistic Designs.
High Grade Cut Blooms.

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Will take proper care of your orders in WISCONSIN.

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Will fill all orders for Cut Flowers, etc. for steamers for Japan and Alaska or any part of the Pacific coast. A. L. AABLING, Gen. Mgr.

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Cut Flowers of BEST QUALITY in season, delivered promptly to any address. Write, Telegraph or Telephone Cumberland and Home Phones 223 and 984

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M. C. and J. E. Hauswirth.

Auditorium Annex.

Mail, telegraph or telephone orders filled promptly in best style.

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ATLANTA FLORAL CO.

41 PEACHTREE STREET.

Brooklyn, N. Y.

Robert G. Wilson

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Greenhouses: Short Hills, N. J.

— Deliveries in —

Greater New York, Long Island and New Jersey.

Trade orders from all parts of the country filled for delivery at residence, steamer, hotel, or theater on wholesale basis. Satisfaction guaranteed. Wire or telephone.

Evansville, Ind.

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Wm. Blackman Floral Co.

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THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in MINNESOTA AND THE DAKOTAS.

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The Cleveland Cut Flower Co.
Will fill your orders for designs and cut flowers in
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WRITE, WIRE OR PHONE YOUR ORDERS TO
YOUNGS,
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Regular discount allowed on all orders, either Plants or Cut Flowers.
Phones Bell, Main 2306. Kinloch, Central 4981.

Dayton, O.

Matthews,
—FLORIST—
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Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones

We Want to Fill Your Orders for Kansas City and Vicinity

upon the usual terms and offer: (1) *Thoroughly reliable and prompt service;* (2) *stock that will reflect credit on your firm;* (3) *the same good treatment that we, in turn, hope and expect to receive at your hands.*

We do a Hundred Thousand Dollar Retail Business annually; hence keep the largest and finest assorted stock in Kansas City always on hand. We are "Kansas City's Largest Retail Flower Shop." Correspondence with out-of-town florists solicited.

ALPHA FLORAL CO., *1105 Walnut St., KANSAS CITY, MO*

A sign like this in your window will draw good business now.

Steamship Sailings.

WEEK ENDING JUNE 20.

June 16, Ivernia, Boston-Liverpool.
June 16, Saxonia, Liverpool-Boston.
June 16, Kronprinz Wilhelm, N. Y.-Bremen.
June 16, Kaiser Wil. der Grosse, Bremen-N. Y.
June 17, Friesland, Liverpool-Philadelphia.
June 17, Lusitania, New York-Liverpool.
June 17, Adriatic, New York-Southampton.
June 17, Oceanic, Southampton-New York.
June 17, Potsdam, New York-Rotterdam.
June 17, Brandenburg, Baltimore-Bremen.
June 18, Slavonia, New York-Naples.
June 18, La Savoie, New York-Havre.
June 18, Southwark, Liverpool-Montreal.
June 18, Cedric, New York-Liverpool.
June 18, Majestic, Southampton-New York.
June 18, Celtic, Liverpool-New York.
June 18, Kaiser Augusta Vic., N. Y.-Hamburg.
June 18, Pretoria, Hamburg-New York.
June 18, Bremen, New York-Bremen.
June 18, Neckar, Bremen-Baltimore.
June 18, Kroonland, Antwerp-New York.
June 18, Manitou, Antwerp-Boston.
June 19, Victorian, Montreal-Liverpool.
June 19, Laurentian, Boston-Glasgow.
June 19, Numidian, Glasgow-Boston.
June 20, Pennsylvania, New York-Hamburg.
June 20, New Amsterdam, Rotterdam-New York.
June 20, Friedrich der Grosse, N. Y.-Bremen.
June 20, Zeeland, New York-Antwerp.
June 20, Finland, Antwerp-New York.
June 20, St. Louis, New York-Southampton.
June 20, St. Paul, Southampton-New York.
June 20, Merion, Philadelphia-Liverpool.
June 20, La Lorraine, Havre-New York.
June 20, Kensington, Montreal-Liverpool.
June 20, Cymric, Boston-Liverpool.
June 20, Corinthian, Montreal-London.
June 20, California, New York-Glasgow.
June 20, Columbia, Glasgow-New York.
June 20, Calabria, New York-Naples.

Indianapolis, Ind.

Bertermann Bros. Co.
FLORISTS
.....241 Massachusetts Ave.

Albany, N. Y.

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Flowers or Design Work.
DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.
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M. A. Bowe
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GEO. M. KELLOGG,
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KANSAS CITY and PLEASANT HILL, MO.
Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

Buffalo, N. Y.

Palmer's
W. J. Palmer & Son, 304 Main St.

Nashville, Tenn.

Joy Floral Co.,
610 CHURCH STREET.

The Seed Trade.

American Seed Trade Association.
Geo. S. Green, Chicago, Pres.; M. H. Duryea, New York, First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-sixth annual convention, June 23 to 25, at Hotel Ponchartrain, Detroit, Mich.

SOME interesting comments on Paris flower shows will be found elsewhere in this issue.

JEROME B. RICE & Co. have a representative on the Pacific coast looking after the seed crops.

MICHIGAN PEAS have been set back by the cold, wet weather and only half a crop of the wrinkled kinds is expected.

FREIGHT RATES from Japan are to advance July 1, raising cost in America of all Japanese lilies 75 cents and up per case.

NEW YORK.—The Page Seed Co., of which E. L. Page of Greene, N. Y., is president, has increased its capital from $25,000 to $100,000.

MICHIGAN BEANS for the most part are now planted, the weather for the last week or 10 days having been very favorable to that operation.

WAKEMAN, O.—There is a good average stand of all varieties of seed corn. The fields are being hoed and cultivated and they are clean, and in good condition to grow.

CLINTON, WIS.—The L. L. Olds Seed Co., contrary to newspaper reports, is not seeking a new location in Illinois, but will probably move to some other city in this state. Nothing definite has yet been decided.

THERE are millions of acres of jack pine lands in Michigan, Wisconsin and Minnesota that can be used successfully for raising clover seed, according to Farmers' Bulletin 324, just issued by the Department of Agriculture.

CHAS. P. BRASLAN with Mrs. Braslan left Chicago, June 9, for Washington, Rochester and New York and expects to sail for Europe about June 20, touching Mediterranean ports and covering the Italian seed growing districts.

HOLLAND GROWERS report, May 25, that tulip and hyacinth prospects are for a medium crop, but much still depends on the weather. Leading single forcing tulips are selling readily. Darwin and late tulips are more in demand than last year, with somewhat higher prices.

Wood Stubbs & Co., Louisville, Ky.

The accompanying illustration shows Wood, Stubbs & Co.'s new building, 229-231 E. Jefferson street, Louisville, Ky., into which they recently moved. It is one of the best and most modern equipped seed houses in the United States. The building is three stories high with basement, 44x100 feet, and is equipped with modern electric elevators, grain elevators, chutes through from each floor, and so arranged that shipping can be done from the front or rear.

The fixtures are especially modern and up-to-date. In addition to 400 drawers there are 160 bins which are constructed through from the second floor to the first. The upper parts of these bins act as a reservoir for the smaller bins below. They are all filled from the second floor and lead to the lower bins by 3-inch pipes.

The Vilmorin Memorial.
To Which Mr. Burpee Refers on Page 1028 of This Issue.

Thus, instead of having to fill a bin or drawer a good many times during the week, they do not have to be filled more than two or three times in a season.

Hanging balconies extend around the store and office for storing surplus supplies, and besides making a nice display in the store they hold a complete stock of these goods. The entire fixtures are finished in natural pine and mahogany with glass knobs on the drawers and bins which give a very handsome effect. Mounted in the pediment of the building is a 4-foot electric clock which is of great benefit to the gardeners and farmers on the market square which is immediately opposite the building. It is intended to erect, 12 feet back of the building, a warehouse, equipped with machinery for conveying bags, boxes, etc., from one house to another to any floor or the cellar.

New Store of Wood, Stubbs & Co., Louisville.

Braslan Seed Growers' Co.
Growers for the Wholesale Trade Only.
SAN JOSE, CAL.

President George S. Green.

Geo. S. Green, president of the American Seed Trade Association, and long before his election a prominent figure at this society's meetings, was born at Hannibal, Mo., in October, 1863. When 18 years of age he entered the employ of D. I. Bushnell, St. Louis, Mo., dealers in field seeds. Four years later he was taken into the firm as a partner, and the connection continued eight years longer. In 1893 Mr. Green removed to Chicago, where for about two years he pursued the field seed business. In 1895, his wife's ill health requiring a change of climate, he began a six years' sojourn in the west, most of this time being spent at Colorado Springs, Colo. It was in 1901 that he became president of the Illinois Seed Co., 240 Johnson street, Chicago, the firm of which he is still the head.

Nebraska Corn and Vine Seeds Suffer.

The Western Seed and Irrigation Co., writes June 8 as follows: "We have been having too much rain throughout eastern Nebraska for the past two weeks, which has caused the low lands to be flooded in many sections and water to stand in the trenches over the corn in many localities. The rains have also prevented the growers from going ahead with their cultivating, and the weeds have in some cases obtained a big start. In most instances the growers have obtained good stands, but it is going to be a serious matter for them to keep ahead of the weeds. The rains have also prevented the growers from finishing planting some of their corn crops, also some of the vine seeds, which will have a tendency to make many of these varieties somewhat late.

"The above applies more particularly to eastern and central Nebraska. Reports from western Nebraska, also western Kansas and Oklahoma, are very unfavorable on account of the prolonged drought, which has prevented plowing and planting of musk and water melon, also all other crops adapted to those localities. The ground is so dry and hard the growers are unable to plow and plant the crops, and even if they could do so, the seed would not germinate from lack of moisture. If they get good rains any time within the next three or four weeks, there will be time for them to get some crops, but we look for quite a serious shortage of melon crops from the western country.

"Taking it as a whole the conditions are not as favorable for seed crops in general as we would like to see them at this time."

Dutch Bulb Growers' Society.

At the meetings of May 4 and 11 the following awards were made by the narcissus committee: First class certificates to Narcissus Alaska, broadly opened trumpet, deep yellow and deep yellow perianth; N. Van Waverens Giant, an enormous flower with deep yellow trumpet and pale sulphur perianth; N. John Pope with deep yellow trumpet and clear yellow perianth; N. President Wentholt, broadly open trumpet, deep yellow, and yellow perianth; N. Robert Sydenham, a strong grower with deep yellow trumpet and pale yellow perianth; N. Incomparabilis Winifred with broad elegant cup and white perianth.

Awards of merit were given to: N. Harry Veitch, a clear yellow trumpet daffodil in the way of Emperor, but larger; N. Cornelia, a self-colored yellow trumpet daffodil; N. Theba, a deep yellow trumpet daffodil of fine form and great substance; N. White Pioneer, pure white trumpet, narrow, tube-shaped and starry-perianth; N. incomparabilis

Louise, pure white trumpet and perianth and lemon yellow cup, a drooping flower of medium size; N. incomparabilis Cristata with peculiar crested crown of yellow color, perianth cream-white. N. poeticus Blanca, pure white very fine round flower; N. poeticus Glory of Lisse, a fine round flower with rather large cup; N. poeticus Verdi, with large crown broadly bordered deep orange. In addition to the awards mentioned above a gold and a silver-gilt medal were given to collections of new narcissi.

A California Report.

June 1.—In regard to the crops, some are good, others indifferent, while nothing is exactly poor. The old story is being repeated in regard to the white onions, the stalks have begun to fall from some trouble at the base of the stalk. How far this will go we cannot say now; if it becomes as bad as it did last year it will take at least half the crop. Lettuce and sweet peas will be short, as will be radish. This is our judgment from what we have seen of the crops in the Santa Clara valley. Onions look good, but the acreage is small.

Just Those Yankees.

It is rather brazen for Connecticut to come along with a ready-cooked-potato plant when its wooden nutmeg bush hasn't yet been listed in the floral catalogues.

CHICAGO.—Grass seed prices on the board of trade June 3 were noted as follows: Prime timothy, $4.15 (nominal); choice white clover, $15.—Vaughan's Seed Store will receive the first shipment of California freesias on June 15.—Visitors: Wm. Corneli and wife, St. Louis; Henry Kallen, representing H. Frank Darrow, New York.

ESTABLISHED IN 1824.

Bridgeman's Seed Warehouse

RICKARDS BROS., Props.,

37 East 19th St., bet. Broadway and 4th Ave., New York

Telephone: 4235 Gramercy.

Rogers Brothers,

SPECIALTY GROWERS.

Purest Strains GARDEN PEA and BEAN SEED.

For the Wholesale Trade. ALPENA, MICH.

CAULIFLOWER CABBAGE SEED

HJALMAR HARTMANN & CO.

31 Barclay St. NEW YORK. 12 Stormgade, COPENHAGEN, DENMARK.

MICE PROOF SEED CASES.

SEND FOR BOOKLET.

HELLER & CO., Montpelier, O.

Roemer's Superb Prize Pansies

The Finest Strain of Pansies in the World. Introducer and grower of all the leading novelties. Highest award, International Exhibition, Dusseldorf, 1905. Catalogue free on application.

Fred Roemer, — Seed Grower, — QUEDLINBURG, GERMANY

Long Island Seed Crops.

June 8.—Francis Brill says that the prospect is for an average yield of cabbage seed, with a posible shortage of some sorts. With continued good growing weather and favorable conditions at the time of harvest, there will be enough seed for the ordinary demand. The best farmers anticipate an advance in price.

Catalogues Recieved.

Belle Cottage Nurseries, Janesville, Wis., nursery stock; S. J. McMichael, Findlay, O., vegetable plants; Wood Bros., Fishkill, N. Y., roses, carnations, chrysanthemums, etc.; The Yokohama Nursery Co., Ltd., New York, Japanese nursery stock and seeds; Holm & Olson, St. Paul, Minn., bedding plants, bulbs, etc.; The Foley Mfg. Co., Chicago, greenhouse construction material; W. J. Eldering & Son, Overveen, Haarlem, Holland, Dutch bulbs and roots; Henry F. Michell Co., Philadelphia, Pa., seeds, bulbs, plants, etc.; Ionia Pottery Co., Ionia, Mich., lawn and cemetery vases; Rice Bros., Minneapolis, Minn., florists' supplies; Hammond's Paint and Slug Shot Works, Fishkill-on-Hudson, N. Y., insecticides; Van Heiningen Bros. & Co., Boskoop, Holland, nursery stock; C. F. Waters, Balcombe, Sussex, Eng., carnations; August Haerens, Somergem, Belgium, plants.

H. H. Tilly Co.

SEATTLE, WASH.

Growers of

Puget Sound Cabbage Seed.

Telegraph Code

Am. Seed Trade Association

$2.00

In either stiff or flexible cover. Address orders AMERICAN FLORIST CO., CHICAGO.

S. M. ISBELL & CO.

JACKSON, MICH.

Contract Seed Growers,

Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.

Correspondence Solicited.

Write for Prices on Surplus Stocks for Immediate Shipment.

Seed Beans

F. L. HOGUE,

CARPINTERIA, CAL.,

Grower for the Wholesale Trade only.

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower

Specialties: Lettuce, Onion, Sweet Peas, Aster Cosmos, Mignonette, Verbena, in variety. Correspondence solicited.

Proceedings

Of the Congress of Horticulture held at the Jamestown Exposition, September 23, 1907.

Linen Bound. 108 pages. Price 25c.

This publication includes the formal adddresses and discussions of the papers read at the meeting which covered the various phases of Horticulture This meeting was pronounced by Horticultural authorities as one of the greatest Horticultural meetings ever held in a single day. For copies address

H. C. IRISH, Secretary

National Council of Horticulture, Missouri Botanical Garden, St. Louis, Mo.

ASPARAGUS PLUMOSUS NANUS SEED

Fresh, 95% Germination.

Reduced on account extra large crop,.....$1.50 per 1000. Large lots less.

DRAKE POINT GREENHOUSES, Valaha Florida.

THE WABASH TO DETROIT

Only Line Between Chicago and Detroit Running Free Reclining Chairs.

Open sleeper reserved for seedsmen on night train June 22. Compartment cars. Trains leave the Dearborn Station, Dearborn and Polk Sts., as follows:

12:04 noon, arriving 8:50 p. m.
3:00 p. m., " 10:50 p. m.
11:00 p. m., " 7:30 a. m.

Reservations may be made on application to

LEONARD H. VAUGHAN, 84 Randolph St., Chicago,

or to the

CITY TICKET OFFICE, Wabash Railroad, 109 Adams St., Chicago.

Round trip fare, Chicago to Detroit, $11.00; berths, $2.00.

MARKET GARDENS.

THE Texas growers still think their onions will eventually usurp the whole of the eastern trade.

Cheney Farm South Manchester, Conn.

A WELL MANAGED MARKET GARDEN.

Nestling snugly at the foot of New England's dear old hills about nine miles from Hartford and the Connecticut river lies South Manchester, a prosperous town of about 10,000 made famous by Cheney Bros. in the manufacture of silk. There may be a better place to live than here, but it is very doubtful if there is a place possessing more advantages than this section enjoys. Hartford county stands third in productiveness in the counties of the United States. The Connecticut river valley is acknowledged to be the garden spot of New England, and the Cheney Farm is one of the famous institutions of the valley.

The farm lies adjoining the city on the west, and has some 60 acres of nearly level land in the home lot. There is practically no waste land on the farm, and all the acres not under tillage for garden crops yield from four to five tons of hay an acre yearly.

A system of crop rotation is carried on, all the land being of practically the same texture; sod land is plowed for potatoes, which are planted on the same land for two seasons. The land, however, is limed before the second crop is put in; about 10 acres yearly are given to potatoes, the yield being about 400 bushels an acre. For three years following diversified garden crops follow the potatoes, when the land is again seeded and lies five years in grass.

The illustration given at this time shows a vigorous growth of cucumbers. In view No. 1 the outer foliage is shown, said to be finer than anything previously grown here.

So great has become the demand for good vegetable plants that Mr. Cheney is to construct at once a special plant house. This house will be 11x200 feet, with two solid benches each four feet wide. Sashes entirely will cover this house, the object being to insure a per-

FLORISTS have a splendid opportunity of raising **Mushrooms** by utilizing the **waste space** under the benches, and then utilizing the **waste material** of expended mush room beds in growing flowers **Lambert's Pure Culture MUSHROOM SPAWN** the best spawn in the market, is sold by all leading seedsmen. A fresh sample brick enough for a trial bed together with illustrated book on "Mushroom Culture" will be mailed postpaid upon receipt of **40c** in postage stamps. Address **American Spawn Company, St. Paul, Minn**

Vegetable Plants.

Cabbage. Wakefield, Early Flat Dutch, Early All Head Early Drumhead, and other early varieties, Surehead, Late Flat Dutch, Danish Round and Ball Head, and other late varieties, 20c per 100, $1.00 per 1000, $8.50 per 10,000.

Tomato, Stone, Favorite, Paragon, etc., at 20c per 100, $1.00 per 1000, $8.50 per 10,000; Dwarf Stone and Champion, June Pink and Early Jewell, 40c per 100, $2.00 per 1000.

Celery, White Plume, Giant Pascal, Gol. Heart, and other varieties, at 20c per 100, $1.00 per 1000, $8.50 per 10,000.

Beet, Eclipse, Crosby and Egyptian, 25c per 100, $1.25 per 1000.

Cash with order.

R. VINCENT, Jr. & SONS CO.,
WHITE MARSH, MD.

MUSHROOM SPAWN

Barter's Prolific

This season beats all records, the last four gatherings from test beds:

May 2nd ....1500 lbs.
May 9th .....1913 lbs.
May 16th .....1748 lbs.
May 23rd .... 2680 lbs.

Wholesale only. 100 bushel lots
For prices, f. o. b. London, write to

JOHN F. BARTER, Ltd.
Napier Road,
WEMBLEY, ENGLAND.

MUSHROOM CULTURE

The Most Profitable Outdoor Industry Known.

If you want a really successful crop of

MUSHROOMS

USE ONLY

Johnson's Improved

MUSHROOM SPAWN

Which Is Scientifically Inoculated with Virgin Spawn.

JOHNSON'S, LTD., are thechief makers of Mushroom Spawn and growers of Mushrooms in England, and they recommend this season's improved spawn as being in better condition than ever.

Correspondence invited for OVERSEA ORDERS. Prices and particulars on application.

NOTE THE ADDRESS:

JOHNSON'S, LTD.,
44 Bedford Row, London W. C., Eng

TO THE TRADE

HENRY METTE QUEDLINBURG, GERMANY.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: **Beans,** Beets, Cabbages, **Carrots,** Kohl Rabi, Leek, Lettuces, **Onions, Peas, Radishes,** Spinach, Turnips, Swedes **Asters,** Balsams, Begonias, Carnatio Cinerarias, Gloxinias, Larkspurs, Nasturtiums, **Pansies,** Petunias Phloxes, Primulas, Scabious **Stocks,** Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, mixed), the most perfect and most beautiful in the world, $5.00 per oz.; $1.50 per ¼ oz.; 75c per 1-16 oz. Postage paid, Cash with order.

All seeds offered are grown under my personal supervision on my own grounds of more than 3,000 acres, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

List of my novelties in flower seeds for 1908 sent on application.

Trade Directory for 1908

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1908, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 509 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

American Florist Company
324 Dearborn Street, CHICAGO, ILL., U. S. A.

Contains 509 Pages **NOW READY.** Price $3.00 Postpaid

feet system of hardening off without the extra cost of removing the plants to cold frames.

The sashes will be capped and will slide in a groove; it is expected that a great saving in breakage of glass will result in the use of the special plant house. This house will be in use the whole year through, beginning in the fall with head lettuce, following with plants for spring and early summer, and for celery plants needed on the farm.

Mr. Cheney believes in anything that will make the farm more productive and more famous for the quality of the products that are daily put on the market; every kind of machinery that is any good can be found on the Cheney Farm, and of manure and fertilizer there is no end.

The new farm manager, T. L. Brown, is from Grand Rapids, Mich., and his work is showing up in such a way that a new record for maximum crops and receipts is sure to follow.

English Mushroom Spawn.

J. PITHER, LTD., UXBRIDGE.

The largest growers of mushrooms for market know the right kind of spawn to use and J. Pither, Ltd., Uxbridge, Middlesex, not only grows immense quantities of mushrooms but also makes a specialty of spawn making. Although this firm has been in existence for a quarter of a century it is little known outside its own clientele, the largest growers for Covent Garden Market. Calling recently we noted that 15 acres of land are working and the firm is taking in additional ground for the purpose of its business.

The "Virgin Track" for inoculating is now the chief study. In ordinary seasons the "right sort" is not an easy matter to get; in wet seasons there is practically none at all. The firm is about to open a direct trade for America, and for the benefit of AMERICAN FLORIST readers we subjoin a few particulars and figures. There is one lot of pits being only 185 yards short of a mile. Again there are four other batches and two houses measuring 685 yards in length. The material for the spawn brick with its mill driven by the latest apparatus show at once the up-to-date system of this firm. Packing and manure sheds under cover are on a most extensive scale. Mushrooms of the right cut were being packed for the early morning Covent Garden Market. About £40 ($200) per week is the wages bill.

S.

THE CHENEY FARM, SOUTH MANCHESTER, CONN.

Fig 1.—House of Cucumbers.

Chlorosis in Tomatoes.

Last fall in Westville, a writer in the report of the Connecticut Experiment Station saw a large field of tomatoes in which many of the plants showed leaves more or less mottled with yellowish-green. This unhealthy coloring was quite similar to the injury that can be transferred to tomatoes from calicoed tobacco. On inquiry it was found that the tomatoes had been severely injured by the late frosts of May, but had finally recovered and had borne a fair crop. It looked as if this chlorosis of the plant was one of the after effects of the frost, and was of the nature of the so-called calicoed tobacco, but whether or not it was infectious through the juice of the injured plant was not determined. Woods claims that a similar trouble in tomatoes can be produced by a very severe pruning back of the vines, and possibly the frost injury was in effect merely such a pruning.

DERBY, N. H.—Wm. J. Kingsbury has taken charge of the Sawyer greenhouses on Franklin street.

HALF MILLION
Calla Bulbs.

Calla Bulbs pay to bloom 40 per cent better than Harrisii. Why you don't have to throw Calla Bulbs away after blooming. (Savvy?)

CALLA ETHIOPICA BULBS.

8 to 10 inch circumference	.....	$80.00 per 1000
7 to 8 " "	.....	65.00 " "
5 to 7 " "	.....	40.00 " "
3 to 5 " "	.....	25.00 " "

250 at 1000 rates. Packed in slatted crates. Liberal count. **Safe arrival guaranteed.** I prepay freight at above prices to your city when check is sent with order. Send in your order to-day and cash to reach me June 20th. References: First National and People's Bank, Santa Cruz, Calif., and Dunn's.

A. MITTING, 17 to 23 Kennan St. SANTA CRUZ, CALIF.

NATURAL AND COLORED EVERLASTINGS.

FRENCH BULBS OUR SPECIALTY.

Great Reduction in Prices. Samples Free on Demand With the New Price List.

HERMITTE FRERES, Ollioules, Var. France.

FISCHER'S GRAND FREESIA
PURITY.

The magnificent giant, white Freesia, when once tried, will always be grown. Write for prices. Delivery in July.

RUDOLPH FISCHER,
SANTA ANITA, CAL.

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,
Successor to L. K. Peacock, Inc, ATCO, N. J.

THE northern limit for sweet potato culture is roughly indicated by a line drawn from the border line of Massachusetts and Connecticut on the east coast westward to the northeast corner of Colorado, but the area where it is profitable commercially would be considerably south of this, except in the Mississippi valley, where it extends well into Iowa, Illinois and Indiana.

Prices of Indoor Vegetables.

The prices of indoor vegetables at leading points June 6 were as follows: New York—Tomatoes, 10 cents per pound; cucumbers, No. 1, $2 to $3 per box; No. 2, $1 to $1.50 per box; mushrooms 25 cents to 75 cents per pound. Chicago—Mushrooms, 50 cents to 65 cents per pound. Cincinnati—Cucumbers, 25 cents to 30 cents per dozen; mushrooms, 50 cents to 60 cents per pound. Philadelphia—Cucumbers, 75 cents to $1.50 per dozen. Boston—Tomatoes, 30 cents to 35 cents per pound; cucumbers, $4.50 to $5 per box.

The Nursery Trade

American Association of Nurserymen.

J. W. Hill, Des Moines, Ia., President; C. M. Hobbs, Bridgeport, Ind., Vice-President; George C. Seager, Rochester, N. Y., Sec'y.

Thirty-fourth annual convention to be held at Rochester, N. Y., June, 1909.

THE weigelas are extremely well flowered, as usual, in Jackson park, Chicago, and their fragrance is very marked mornings and evenings.

LILIUM COLCHICUM is a lovely lily and not nearly as much grown as it deserves to be. Its bright yellow, fragrant flowers are among the showiest yet refined and very fragrant.

THE premium list of the fifth annual exhibition of the American Peony Society to be held June 19-20 at Ithaca, N. Y., is now out and copies may be had on application to the secretary, A. H. Fewkes, Newton Highlands, Mass.

PRESIDENT J. HORACE MCFARLAND of the American Civic Association is in Milwaukee this week at the convention. His suggestions as to the best way to beautify the river banks will be of great value to those in charge of the improvements.

PRESIDENT C. W. WARD, of the American Peony Society, passed through Chicago on his way to the nurserymen's convention at Milwaukee. He expressed a doubt as to whether he would be able to attend the convention of the above society in Ithaca, N. Y., June 19-20, owing to other business of an important nature in Michigan.

CHICAGO.—Wm. C. Barry and Chas. J. Maloy, of Ellwanger & Barry, Rochester, N. Y., spent three days here this week visiting the Peterson Nursery, the parks and other horticultural institutions. Additional visitors were Chas. Loechner, of the Yokohama Nursery Co., New York; Herbert Chase, Huntsville, Ala.; Jefferson Thomas, of the McFarland Publicity Service, Harrisburg, Pa.; C. W. Ward, Queens, N. Y., and many others enroute to the Milwaukee convention.

The White Fringe.

No other portion of the north temperate zone is so prolific in choice native trees and shrubs as the North American continent, and their exclusive use in the ornamentation of parks or gardens would, in itself, afford an immense amount of enjoyment, even if no others were available. The white fringe (Chionanthus Virginica) is one of the native choice productions of this country and is found growing in alluvial rich soil and along the banks of streams, from southern Pennsylvania to Texas and Arkansas. It sometimes in its native state attains a height of 20 to 30 feet, but it does not usually exceed a height of 15 to 20 feet in cultivation in the New England states and quite often it is a much branched arborescent shrub from 12 to 18 feet in height.

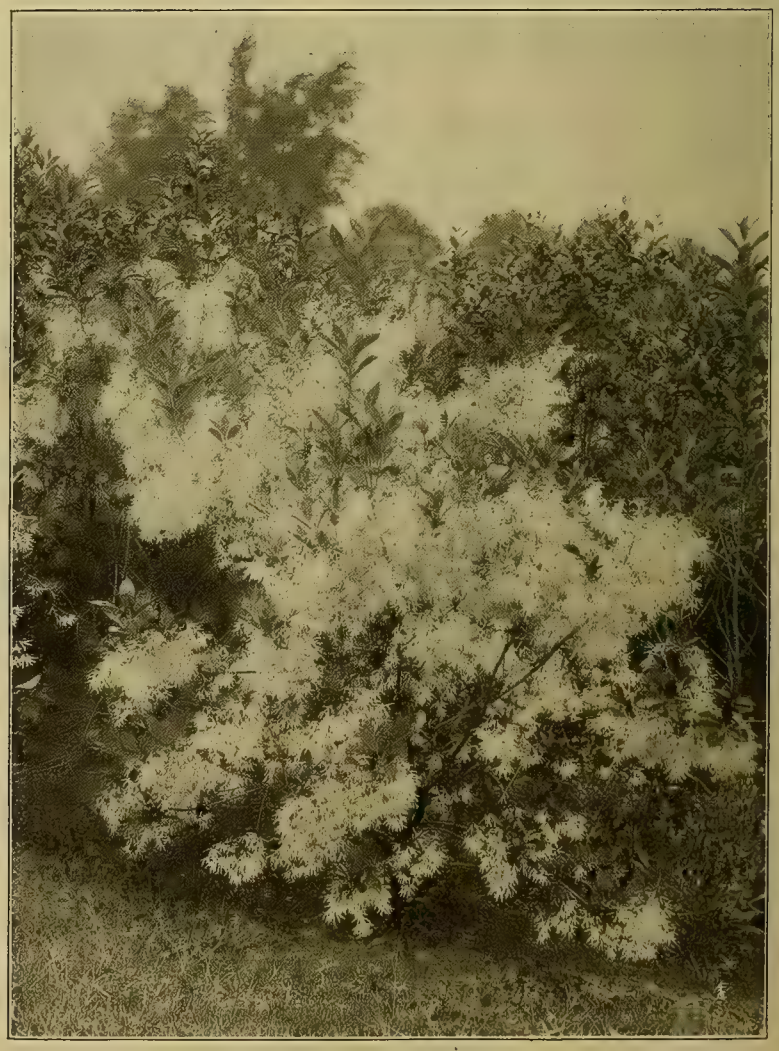
In a young state the white fringe grows slowly for a number of years, but after it gets to be thoroughly established in congenial conditions, it grows with comparatively much more rapidity. It is a plant of a very vigorous constitution, and although, in its native state, it seems to be partial to a mild climate, it stands without injury the rigors of our severe winters in this part of the world, and has been an important factor in the decoration of ornamental grounds for many years. The leaves are distinctively large, and of a most pleasing, deep green color, and we have never observed them to be attacked by any fungoid diseases or insect pests. Its main defect, if it might be called so, is its late leafage. When almost all other trees and shrubs are in full foliage, the branches of the white fringe are naked and apparently lifeless, and produce for a brief period what perhaps looks like a discordant note in a plantation where it is grouped with other trees and shrubs. This seeming defect, however, is more than overcome by its charming, beautiful flowers, which come into blossom during the first week in June. The long, drooping, panicled clusters of pure white flowers, which droop in papery, thread-like segments, give it a most unique effect in the rich galaxy of flowering trees and shrubs in our parks and gardens. The dark blue oblong fruit, from one to one and one-half inches long, ripens in September and frequently hangs on without loss of color until February, and is quite interesting. The white fringe is one of those choice garden plants which no well considered private estate, large or small, should lack, and it is obtainable in most nurseries.

JOHN DUNBAR.

American Association of Nurserymen.

The thirty-third annual convention of the American Association of Nurserymen opened at the Plankinton House, Milwaukee, Wis., June 10. The meeting was called to order at 9:30 a. m. by President Hill, who was in the chair, after which Mayor Rose delivered a very felicitous address of welcome, which was responded to by Geo. S. Jocelyn, of Fredonia, N. Y. President Hill then delivered his address, which was well received, and the reports of the secretary, treasurer and the various committees followed. The attendance at the opening meeting was excellent and it was estimated that 350 at least were present, crowding the hall to its fullest capacity. The trade exhibition was a complete success, the exhibits being much more varied and extensive than on any previous occasion.

Early in the meeting an invitation was extended by the citizens of Milwaukee to visit Oconomowoc, June 11, but in lieu of this it was decided to accept the invitation as for June 12, forcing the business one day ahead by meeting on Wednesday afternoon, for which the programme provided no business. At this session, Rochester, N. Y., was selected as the place of the society's 1909 meeting instead of Seattle, Wash., where the citizens were anxious, on account of the big exposition, for the society to convene. The election of officers resulted in Chas. J. Brown, Rochester, N. Y., being appointed president and the present vice-president, secretary, and treasurer being re-elected. The afternoon meeting was also very well attended.



THE WHITE FRINGE—CHIONANTHUS VIRGINICA,
Growing at Highland Park, Rochester, N. Y.

BOX TREES.

Beautiful shapely plants in fine condition and in nice green tubs.

PYRAMIDAL.

	Each	Per Pr.		Each	Per Pr.
3½-ft high	$ 3.00	$ 6.00	5 -ft high	$ 7.00	$13.00
4 -ft high	4.00	7.00	6 -ft high	8.00	15.00

STANDARD OR TREE SHAPED BOX.

Full, compact, well shaped.	Each	Per Pr.
24-inch clear stem, crown 18 to 20 inches	$ 2.50	$ 4.50
24-inch clear stem, crown 24 inches	3.50	7.00
18-inch clear stem, crown 34 inches	4.50	8.00
24-inch clear stem, crown 34 inches	6.00	10.00

GLOBE SHAPED BOX TREES.

	Each.
18-inch diameter Globes	$ 1.50

BABY BOX TREES, 12 - 18-in. Stem.

Crown 10-inch diameter..... 50c each; $5.00 per dozen.
Prices include trees planted in nice, new green tubs. Order at once.

BAY TREES. (Laurus Nobilis.)

STANDARD or TREE SHAPED

Crowns	Each
16 to 18 inch diameter	$ 5.00
20 to 22 inch diameter	6.00
24 to 26 inch diameter	7.00
30 to 32 inch diameter	10.00
34 inch diameter	12.00

PYRAMIDAL SHAPED

	Each
4 ft. high	$ 5.00
5 ft. high	8.00
6 ft. high	10.00
7 ft. high	15.00

COLUMN SHAPED TREES.

6 ft. high, base 22-24 in..... each, $12.00

ARAUCARIA EXCELSA.

SPECIAL OFFER. Strong plants from top cuttings in 4-inch pots, 6 to 8 inches high, with 2 to 3 whorls. Just the size to grow on for your fall sales. Every plant will make a 75c plant by October.

Order Now Before All Sold. **Price:** Per dozen, $5.00; per 100, $36.00.

VAUGHAN'S SEED STORE,

84-86 Randolph Street, CHICAGO
14 Barclay Street, NEW YORK.

Greenhouses and Nurseries: Western Springs, Ill.

Kansas City.

The Missouri Horticultural Society met last week at Mountain Grove for its annual election of officers. The new officers elected are: W. P. Stark, president; R. L. Hitt, first vice president; J. H. Chastin, second vice president; T. H. Todd, treasurer; L. C. Howard, Columbia, secretary. The meeting was in session three days. Among those present were: C. H. Dutcher, Warrensburg; Geo. T. Tippin, Springfield; T. H. Todd, New Franklin; W. P. Stark, Louisiana; R. M. Hitt, Koshkonong; D. G. Thornton, Blackwater; J. C. Evans, Harlem; J. B. Rohrer, Washington; J. J. Riley, Richmoud; Howard A. Gass, Jefferson City; John T. Stinson, Sedalia; Senator Dunlap, Illinois; Fred Perkins, Oswego, Kans.. K. C.

Perennial Phloxes.

To cultivate these beautiful border plants successfully, a partly shaded spot should be selected away from other plants, while a good rich soil, incorporated with some thoroughly decayed manure, is essential for their well being, according to a Gardening World correspondent. To have large and handsome trusses of blooms, thinning out of the weak flowering stems is necessary. Large clumps should be divided in spring, when they have begun active growth, the outer portion of the clumps being selected, and divided to form round, neat plants, as these will produce the finest trusses for two or three years. In the fourth year they are weaker, and the brilliancy of the flowers begins to deteriorate, so it is necessary to divide them at this stage. Being surface-rooting plants and moisture-loving as well, it is beneficial to mulch them in the spring with some good manure, in order to stay evaporation, and to give extra nourishment while they are forming their flowering shoots. A single, well-grown plant is a pretty sight, but to see them at their best they should be grown in clumps or masses of three, four, or more, of one variety and color; by massing various colors along the border they are sure to command attention for their striking beauty.

To propagate by cuttings is best done in April, and if they are taken with a heel so much the better, as they quickly form roots. The branches taken off during the thinning out process will do very well for cuttings; these can be inserted in a shaded frame, and kept close until the cuttings stand erect, when a little ventilation can be given, increasing it daily as growth begins, afterwards entirely removing the lights. To assist rooting a hole should be made with a stick or dibber and filled up with some gritty sand and pressed firm after the cuttings have been inserted. Shade from the hot sun, and see that they never suffer from want of water. In September they can be removed from the frame, and planted out in their permanent quarters for flowering the following season.

Some very fine varieties are to be found amongst the early-flowering kinds, notably Phlox suffruticosa, and among the late-flowering kinds, such as Phlox decussata. A succession of bloom can be obtained for a long period if plants of both varieties are selected.

Preservative Effect of Roadside Trees.

In answer to inquiries from the United States, Consul-General Robert P. Skinner, of Marseille, furnishes the following information relative to the effect of wayside trees on French roads: "It is proposed to plant trees along the roadsides of New York state in order to keep the moisture in the road and prevent raveling, and the question has been raised whether or not the roots of such trees may spread out underneath the road surface and eventually create great damage in a severe climate where there are extremes of heat and cold. While French roads are not always bordered with shade trees, they are so very frequently, and my information is that the trees are planted not only for furnishing shade, but in order to protect the roads themselves against the effects of excessive heat and drought. It is believed that the long dry summer season is much more inimical to roads than severe cold. The chief officer in charge of the public roads in Marseille is of the opinion that, on the whole, New York roads would be benefited if bordered with trees, suggesting, however, that only such should be planted as have vertically descending roots."

F. Birot, civil engineer and former conductor of the bureau of bridges and highways, expresses himself as follows on the subject: "In countries where the climate is damp roadside trees are prejudicial to the maintenance of the highways, as they prevent the circulation of the air and the drying of the soil; in most of the southern French regions such plantations are, on the other hand, very useful in dry weather, as they maintain the roadbed in a state of freshness favorable to its conservation. In general, trees should be selected with high, spreading branches, such as the poplar, the elm and the ash, and they should be planted generally upon the outer edge of the roadbox and at distances of 10 meters (32.80 feet). Each tree should be placed in a hole 1 meter (3.28 feet) deep and 1½ meters (4.92 feet) square, and should be trimmed to a height of 2½ meters (8.20 feet) above the surface. The earth about newly planted trees should be loosened in March and November—in March only after the third year—and thereafter until their permanent growth appears assured; small trenches should be directed toward the foot of the tree, in order to secure the benefit of rains. Finally, the tree itself should be trimmed annually during the first 10 years."

AZALEAS (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Coniters, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Jacs Smits, Ltd. NAARDEN, (Holland.)
Price list free on demand.

Peony Surplus List
NOW OUT.
Send for one. Low prices. Fine stock.
PETERSON NURSERY,
Lincoln and Peterson Avenues, CHICAGO.

LARGE TREES.
OAKS and MAPLES.
PINES and HEMLOCKS.
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA

THE
Storrs & Harrison Co.
PAINESVILLE NURSERIES.
CATALOGUES AND PRICE LISTS FREE ON APPLICATION.....
PAINESVILLE, OHIO.

ARBOR VITÆ
(Thuya Occidentalis.)
A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.
THE WM. H. MOON CO.,
Morrisville, Pa.

BOBBINK & ATKINS,
Rutherford, N. J.,
Bay Trees, Palms, Buxus, Azalea Indica, Rhododendrons, Evergreens, Herbaceous Plants, Roses, Trained Fruit Trees, Greenhouse Grape Vines. Ask for catalogue.

Surplus Stock.

Geraniums, S. A. Nutt and Ricard, the best reds, 5-inch $12.00 per 100; 4-inch $7.00; 3-inch; $5.00; 2¼-inch $3.00 per 100.

Pansies, Boddington's Challenge, in bloom, fine at $1.00 per 100.

Coleus, assorted, ... $2.00 per 100.
Cannas, ... 7.00 per 100.
Caladiums, ...15.00 per 100

Cash or C. O. D.

W. J. & M. S. VESEY,
FORT WAYNE, INDIANA.

Cincinnati.

TRADE SATISFACTORY.

With school commencements and weddings flowers were in good demand the past week and a satisfactory business was done. The cool weather at the beginning of the week gave roses and carnations a chance to recover from the scorching hot spell of the previous week, and consequently the wholesaler had some very good stock to offer, which was eagerly sought for by the buyers. Geo. Corbett, as usual, was first in the market with outdoor grown sweet peas, and these were cleaned up; in fact, the majority were ordered in advance. Roses were good property, and the same may be said of lily of the valley and Lilium longiflorum. Carnations are coming to this market from all quarters. Strange to say that for three or four days before Decoration day it seemed as though the plants had stopped blooming for the out-of-town growers, and two days after we get them by the thousand, and then wonder at the increase in crime. Peonies also are a glut. Tom Windram is right in it with a nice cut of Shasta daisies, which easily fetch $1 per 100. Smilax and Asparagus plumosus is good property, while A. Sprengeri is dragging a bit.

NOTES.

What is the matter with the Cincinnati Florists' society? We ought to have our annual meeting and election of officers very soon, but at this writing have received no notice of same. The Society of American Florists may possibly hold its twenty-fifth annual convention in our city in 1909, and it behooves the florists hereabouts to get together and get busy. At the next meeting we must elect a new set of officers, and, incidentally, what is the matter with Peter Olinger for president?

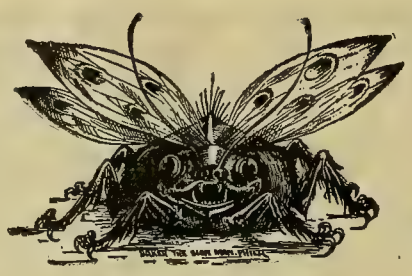
Miss Laura Murphy, the accomplished daughter of Wm. Murphy, has finished her engagement for the season with the Weber & Fields company and at present is doing the office work for her father, while Miss Cora Pherson, the bookkeeper, will take a deserved and much-needed vacation of several weeks.

Miss Alice Kyrk, sister of Edith F. and Louis Kyrk, was quietly married last Wednesday evening at her home to John Reid, of Detroit, Mich. Miss Kyrk was until recently employed in her sister's store, was well liked by the customers and has the best wishes of a host of friends.

Gus. Adrian, out in the beautiful suburb of Clifton, is nearly sold out of bedding plants and says business with him was very good this spring; in fact, fully 25 per cent better than he expected. Gus grows good stock, and plenty of it, and deserves to do a good business.

Arthur Becker, the genial buyer for the Avondale Floral Co., reports business as very satisfactory. He says the confirmation of the boys and girls at the Jewish temple in Avondale and the receptions following the same used up immense quantities of stock.

Wm. H. Gear has leased the store next door west on Fifteenth street and will remodel his present store, making one large room of both stores. When completed Billy will have ample room and one of the best locations in the over-the-Rhine district.



Everybody Talks About It!

LIKE THE BEE

A Prosperous Florist Is Never Idle.

So is **GODFREY ASCHMANN,** the Philadelphia Hustler.

An immense stock of bedding plants is now ready. Every hole and corner full for immediate shipment.

GERANIUMS.

S. A. Nutt, John Doyle and some pink, 4 in. pots, $7.00 per 100; and mixed varieties.

Begonia Vernon, newest strain, flowers as dark as blood; seeds gathered by myself from specimen plants in Zurich, Switzerland, during my trip to Europe; 4-in. pots, $7.00 per 100; 3-in., $5.06 per 100.

Begonia Erfordi, true; this is one of the best pink varieties known; it is a sight to see a bed of them in bloom; nothing but a mass of flowers. This plant decorates the flower beds of aristocratic people in England, Germany, Switzerland and Paris. Price: 4-in., $7.00 per 100; 3-in., $5.00 per 100.

	Per 100
Nasturtiums, dwarf, all shades, 3-in. pots	$3.00
Heliotropes, 3-in. pots	4.00
Fuchsias, best varieties, 4-in. pots	7.00
Fuchsias, best assortment, 2½ to 3 in., in bud	3.00
Cosmos Grandiflora, white, red or pink, 3 plants in a 3 in. pot	4.00
Cannas, French best varieties, about 12 different, distinct varieties by name, 4-in. pots	$7.00 to 8.00
Cobea Scandens, nicely staked up, 4 in.	8c
Petunias, California Giant, 3-in. pots	3.00
Inimitable or dwarf, 2½-in.	3.00
Verbenas, all shades 2½-in.	3.00
Phlox Drummondi, 2½ to 3-in., Grandiflora varieties	3.00
English or **Hardy Ivy,** 3 feet high, 4-in.	10c
Centaurea Gymnocarpa or **Dusty Miller,** 2½-in.	3.00
Lobelia, dwarf or trailing, 2½in. (Crystal Palace)	3.00
Sweet Alyssum, Carpet of Snow or Little Gem, 2½-in	3.00
Torenia Fournieri, 2½-in. pots	3c
Sallerol Geraniums, for borders, strong plants	4.00
Summer Chrysanthemums, 3-in. pots	4.00
Ageratum, dwarf, best blue, 3 in.	4.00

Clematis, the true Jackmani, 6-in. pots, 3 feet, 35c to 40c.

Scarlet Sage or **Salvia,** Clara Bedman or Bon fire. Ours is the true genuine variety so much admired in all the capitals of Europe and America. Deep red medium tall varieties; free bloomers. Seeds of these famous varieties were gathered by myself in Zurich Switzerland, the home of the Salvias. Price: 4-in., $7.00 per 100. Have 5,000 of these to offer.

Don't Forget We Lead the World in

MOONVINES.

Watch and be careful you don't buy Morning Glories for Moonvines.

We grow only the best varieties, hybrid or **Ipomoea Noctiflora,** for which we have had, for the past 20 years, a world wide reputation. We ship every season, May and June, 20 000 to 25,000 plants into every state and territory in America, and in Cuba and Mexico. This Moonvine is much earlier than any other variety in existence; blooms freely, with very fragrant, pure white waxy flowers, and as large as a saucer. Price: 4-in. pots, nicely staked up, 30 to 36 inches high, $12.00 per 100; 2½-in. pots, $5 00 per 100.

Kentia Belmoreana, 5¼ to 5½-in. pots, 22-25-27 in high 50c to 75c; 4-in 20 to 22 in. high 35c to 40c. **Forsteriana,** 5 to 5½ in. 50c to 75c Just received per steamer Manitou, a consignment of larger **Kentia Forsteriana;** price, $1.00, $1.25, $2.00 to $2.50 each.

Araucaria Excelsa Glauca, spring importation 1907; have only specimen plants left 7 in. pots, 6 years old 5 tiers 25, 30 35 to 40 in. high, the same in width $1.50, $1.75, $2.00 $2.50, $3.00 to $4.00 each. **Robusta Compacta,** $1.25 to $1.50 each.

Have just received from steamer, May 1, from Antwerp a big consignment of about 5,000 **Araucaria Excelsa,** of all sizes. Plants with 3 tiers, 8 to 10 in. high, 40c; 10, 12 to 14 in., 50c; larger sizes, 60c to 75c.

Bay Trees, just received, per steamer Manitou, 6 ft. high from top of tub, 30-in. crowns, $12.00 per pair.

All goods must travel at purchaser's risk only Cash with order, please.

GODFREY ASCHMANN, 1012 W. Ontario St., Philadelphia

Importer, Wholesale Grower and Shipper of Pot Plants.

Swainsona alba, 2-in. 2c. **Heliotrope,** 2 in., 2c. **Coleus,** 2-in. 2c **Feverfew,** 2-in. 2c. 2-in. **Stock,** 2c. Stock **Princess Alice, Cuphea, Alternanthera,** red and yellow. **Vinca Variegata, Artillery Plant,** 2-in., 2c **Ivy Geraniums,** 2-in. 2½c. **Rose Geraniums,** 2 in., 1½c. **Thunbergia,** 2 in., 1½c. **Dbl. Petunia,** 2 in., 2c, **Stevia,** dwarf 2-in. 2c. **Sweet Alyssum,** dwf single 2-in. 1½c. **Geraniums,** 2-in., 2c, **Shasta Daisy,** 2 kinds, 2½-in., 3c.

Rooted Cuttings prepaid per 100: **Vinca Variegata,** 90c. **Alternanthera,** 3 kinds, 50c. **Coleus,** 10 kinds. **Salvia,** Bonfire, 90c.

Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

PROTECTS BUYERS.

AMERICAN FLORIST Co :- I buy a good many plants and always expect just what I order when I buy of advertisers in the AMERICAN FLORIST.

D. H. STEDMAN.

Glouster, O., May 11, 1908.

The over-the-Rhine florists were busy the past week with funeral work. Henry Glins and Mrs. Thomas had the lion's share of the work for the Heberstreit funeral on Saturday morning.

S.

WYOMING, ILL.—Ellis & Co. report trade as fairly good but the wealthy church people apparently think more of fine singing than floral decorations.

Plants from 2½-in. Pots at $3.00 per 100

Asparagus Sprengeri, dwarf Alyssum, Ageratums, Princess Pauline, Inimitable, Blue Perfection, Bouvardia Humboldtii, Feverfew Little Gem, Gazania Splendens, Cupheas, double Petunias, Lobelia Emperor William, variegated Ice-plant, variegated Glechoma, Salvias, Zurich, Bonfire, Rosemary, variegated Periwinkle; Moschosma riparium, Impatiens Sultani and Holstii, Swainsona alba, white Moonflower Forget-me-not, Saxifraga sarmentosa, Parlor Ivy, Ferns, Euonymus radicans, White Snapdragon.

Plants from 3-in. Pots, strong at **$4 00 per 100.** Fuchsias, in bud and bloom, 4 varieties, Geraniums, best commercial varieties, Heliotrope, dark blue, Gazania splendens, Rose and Peppermint Geraniums, Moonvine, the true white large flowering.

Bouvardias, single and double white; single scarlet and pink, 2-in. pots, $3.00 per 100.

Geraniums, in bud and bloom, 4-in. pots, $5.00 per 100.

Summer flowering Forget-me-nots and Hardy pinks, assorted colors in bud and bloom $4.00 per 100.

Seedlings from Flats $1.00 per 100, Asparagus Sprengeri, Dracaena Indivisa.

Clematis, large flowering varieties, 2-year-old plants, red, purple and white, $3.00 per dozen. Clematis paniculata, 3-in. pots, $5.00 per 100. Clematis Montana, grdfl., 4-in. pots $1.50 per doz.

Honeysuckle, Halleana and Red Trumpet, strong plants, $1.50 per dozen, $10.00 per 100.

Ampelopsis Veitchii, 4-in. pots, 2-year-old plants, $1.50 per dozen, $10.00 per 100; 3-in. pots, $5.00 per 100.

Ivy, hardy English, 4-in. pots, $1.50 per dozen $10.00 per 100.

Cash with order please.

C. EISELE, 11th and Westmoreland Sts PHILADELPHIA, PA.

Omaha.

BUSINESS GOOD.

Decoration day business has been the best we ever had. In fact it is hard to tell how much could have been done had we the stock to sell, which we had not. The shipping business was so large that a good many orders had to be turned down. The weather was very favorable until the last day when it turned cool and rainy and this had a considerable influence on the stock. Consequently the prices went up; some carnations sold for $1.25 per dozen; peonies were at their best and sold well, bringing $1 to $1.50 per dozen; American Beauty roses were very scarce and tea roses were not over plentiful. Carnations took the lead. Since Decoration day business has kept up fine. Peonies, especially, sell better than ever before at good prices. More bedding plants were sold this spring than ever before at fair prices. Nearly all the growers are completely sold out.

GRIPPE.

Kansas City.

ROSES PLENTIFUL.

No perceptible change from last week's report is apparent, market conditions remaining about the same. Roses are very good and in sufficient quantities to meet all demands. Carnations show plainly the passing of the summer and the effects of the warm weather. Store trade is not very rushing only for the last of the commencements and a few winding-up social affairs. A change in weather conditions is promised and it is hoped the rainy season, which has been disastrous to outdoor flowers, will end in the next few days.

NOTES.

Geo. M. Kellogg is still showing improvement. According to the physicians, it will be some time before he gains strength enough to attend to his duties. It is hoped that the breakdown will serve as a lesson to Mr. Kellogg, for it has always seemed his contention that every detail around the big plant should receive his own personal supervision, a task too great for any man.

W. J. Barnes believes this has been the greatest season ever experienced in the bedding stock line, notwithstanding the fact that a large amount of cheap work has been done by market gardeners, who have demoralized the price usually paid for good material and workmanship.

Over 500 long-stemmed American Beauty roses were used in the decorations for the occasion of the opening of the National Bank of Commerce last week. Besides a large number of foliage plants and bay trees, there were flowers of all kinds sent in by friends of the bank.

Arthur Newell says he will not move to the room he expected to occupy in the new Baltimore annex, on account of a change made recently in the plans of the building.

M. E. Chandler expects to begin cutting on a big field of gladioli in a couple of weeks, providing the heavy rains do not continue.

George Brackenberry has left the employ of Kellogg's and will return to Emporia to the position he formerly held there.

K. C.

DUBUQUE, IA.—Memorial day trade, says W. A. Harkett, was good, both in flowering plants and cut flowers, being ahead of last year (the banner year here previously). Much of the outdoor stock being damaged by rains helped sales of indoor flowers. About all the good stock sold and some of poor grades. Bad weather made cut flower stock hard to keep and some shipped-in stock was worthless. A severe storm on Friday afternoon (the busy day) drove people to cover for a time.

HYDRANGEAS

Fine plants, well flowered, good value in each size from 25c to $4.00 each.

ARAUCARIAS.

We have a special fine lot of Araucarias—the plants at $1.00 each are extra value for the money.

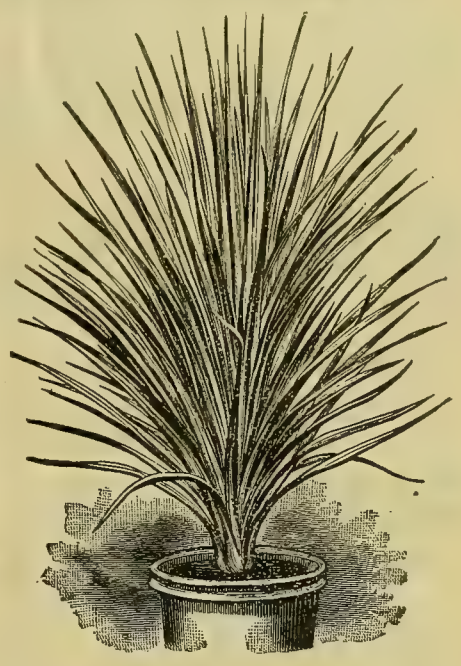
4-inch.....50 cents each
5-inch.....75 cents each
6-inch..... $ 1.00 each

KENTIAS

	Each.	Doz.
Kentia Belmoreana, 5-inch		$ 7 20
" 5-inch strong		9 00
" 6-inch		12 00
" 6-inch		15 00
" 6-inch strong	$1 50	$18 00
" 7-inch	1 75	21 00
" 8-inch	2 50	30 00
" 8-inch strong	4 00	48 00
" 9-inch	6 00	
Kentia Forsteriana, 5-inch		7 20
" 5-inch strong		9 00
" 6-inch		12 00
" 6-inch strong		15 00
" 7-inch	2 50	30 00
" 8-inch	3 00	36 00
" 8-inch strong	5 00	60 00
" 9-inch	6 00	72 00
Made-up Kentia Forsteriana	6 00	72 00

Phoenix Canariensis

Fine for vases or out-door decoration, in small tubs, $2.50 each.



ROSES.

Brides, 3-in. pots	3c
Maids, 3-in. pots	3c
Chatenay, 3-in. pots	3c
Baby Ramblers, 3-in. pots	6c
Uncle John, 1-year-old, in bloom, 6-in	15c
Chatenay, 1-year-old, in bloom, 6-in.	15c
Hardy Hybrid perpetuals, $15 per 100; $2 per doz.	

ROSES IN POTS AND OUTDOOR.

	Per 100
Prairie Queen 3 to 5 feet 15 to 35c each.	
Ramblers, Crimson, 2 feet, 15c.	
Ramblers, Baby, 3½-in. pot	$ 6 00
Sweet Brier 2 to 3 feet, 10 to 25c each.	
1 Lot Hybrid Perpetual, 5-inch, assorted varieties, pot grown	15 00

COBŒA SCANDENS

$8.00 per 100.

	Per doz.	Per 100
Asparagus Plumosus, 3-inch	$ .75	$ 6.00
" **Sprengeri**, 4-inch	1.25	10.00

Perennials in pots.

Coreopsis lanceolata, 5-inch	10c
Campanula, in variety, 5-inch	12c
Campanula, in variety, 6-inch	15c
Campanula, in variety, bud and bloom, 6-in.	35c
Sweet William, 5-inch	12c
Lychnis C., 3½-inch	5c
Ampelopsis Veitchii, 2-inch	$2.50 per 100

	Doz.	100
3-in Perennials for pots	75c	$5 00
Sweet William, 4-inch	75c	5 00
Garden Pinks, 4-inch	85c	6 00
Myosotis Forget-me-not	60c	4 00
Lychnis Chalcedonica, 3-inch	85c	6 00
Foxglove, 3-inch	85c	6 00
Achillea, [Ptarmica (2)], 3-inch	75c	5 00
Pentstemon Hybrids		
Canterbury bell, 4-inch	85c	6 00

DRACÆNA INDIVISA.

This most useful plant is always in great demand in spring. Better secure your stock now. Fine plants in the following sizes and prices.

	Per doz.	100
Dracæna Indivisa, 5-inch	$3 00	20 00

BEDDING STOCK.

	Per 100
Ageratum, 4-inch	$ 6 00
Begonia Vernon, 4-inch	6 00
Begonia Vernon, 2½-inch	3 00
Cobœa Scandens, 4-inch	8 00
Coleus, 3-inch	4 00
Centaurea, 2-inch	3 00
Feverfew, 4-inch	8 00
Geraniums, 4-inch	8 00
Heliotrope, 4-inch	8 00
Petunias, 4-inch	6 00
Santolina, 2-inch	3 00
Vincas short, 4-inch	12 00
Ivies, long, 4-inch	12 00

Cycas Revoluta.

4-inch	25 cents each
5-inch	35 cents each
6-inch	50 cents each
7-inch	75c to $1.00 each
8-inch	$1.25 to $1.50 each

If we do not confine ourselves to the exact size of pot specified, we shall see that stock of good value for the money is sent on every order.

FICUS ELASTICA.

4-inch	$3.00 per dozen
5-inch	4.20 per dozen
6-inch	6.00 per dozen

THE GEO. WITTBOLD CO., 1657 Buckingham Place, CHICAGO.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World.

SANDER, St. Albans, England.

NEW YORK OFFICE: Room 1, 235 Broadway. **T. MELLSTROM,** Agent.

ORCHIDS.

ARRIVED in fine condition, a fine importation of C. Trianæ, C. Labiata, C. Schroederæ, C. Gigas Sanderiana, C. Harirsoniæ, C. Citrina, Lælia Anceps, Oncidium Varicosum Rogersii, Onc. Ornithorhynchum, Onc. Tigrinum, Odontoglossum, Insleayi, O. Rossii Majus.

We carry Orchid Peat, Sphagnum Moss, Baskets, etc.

CARRILLO & BALDWIN, Secaucus, N. J.

Orchids!

Arrived in excellent condition: Cattleya Trianæ, C. labiata, C. Mossiæ, Oncidium varicosum, Vanda cœrulea, Dendrobium formosum and D. Dalhousianum.

Lager & Hurrell, Summit, N J

ORCHIDS.

OUR IMPORTATION will arrive in one week, and prices on cases will be from $45.00 to $50.00 each of 500 strong bulbs or 45 to 50 plants.

ORDONEZ BROS., Madison, N. J.

OWN ROOT
SUMMER GROWN
ONE YEAR OLD.

$2.50 per 100
Baby Rambler
Clothilde Soupert
Dorothy Perkins
Mme. A. Chatenay

$2.75 per 100
Hermosa
Maman Cochet
Malmaison
Etoile de Lyon
Helen Gould
Lady Gay
M. Neil
Notting
Meteor
White Maman
Albany
La France

ROSE PLANTS

$3.00 per 100
Mme. C. Wood
P. C. de Rohan
Mme Plantier
Genl. Jacq.
Black Prince
Mme. Masson
Kaiserin
Paul Neyron

$3.50 per 100
Capt. Christy
Magna Charta
Etoile de France
Mme. J. Guillemot
Mrs J. Laing
Helen Good
Killarney

$5.00 per 100
J. B. Clark
Druschki

$8.00 per 100

C. M. NIUFFER, Springfield, O.

CARNATIONS

From Pots. Healthy stock.

	Per 100	1000
Winsor, White Enchantress	$7.00	$60.00
Helen M. Gould	6.00	50.00
Melody, Kingston Pet	5.00	
Daheim, Estelle, Enchantress, Lady Bountiful, Red Lawson, Variegated and White Lawson	4.00	35.00
Mrs. T. W. Lawson, Boston Market, Harlowarden	3.00	25.00

Send for Catalogue.

WOOD BROTHERS
FISHKILL, N. Y.

Newark, N. J.,

J. Crossley, 37 Belleville avenue, has been making improvements in his business by erecting a neat conservatory for plants in the rear of his store, which makes it one of the most convenient and commodious retail stores in the city. He has now good facilities for handling his large business. A striking characteristic of Mr. Crossley and his family is their fondness for dumb animals, every animal on the place being a pet. The latest addition to his collection is a litter of eight bull terrier puppies.

The Cornish Seed & Floral Co.'s store is said to be the oldest seed store in New Jersey. It was founded in 1857 by Grant Thorburn and J. H. Kummerle. When the former removed to New York to associate himself with his brother he was succeeded by Francis Brill, now of Hempstead, N. Y. After the retirement of Mr. Brill the firm was known as J. H. Kummerle & Son. After the death of both members of this firm the present owners acquired the business.

R. Gilkinson, of 750 Summer avenue, who last year erected a greenhouse and opened a retail store, is doing a good business, particularly in planting and gardening work, he having several men steadily employed. He intends to erect, in the near future, a new store and greenhouse.

McDonough, who is located at 376 Belleville avenue, just opposite Mount Pleasant cemetery, has his force very busy with cemetery and other landscape work.

Madden, who has a very nice retail store, with greenhouses, at 98 Broad street, is very busy with landscape and planting-out work.

Isaac Cassidy, the greenhouse builder, is busy, his shop force being engaged on supplies and fittings, for which he has a good demand.

Rose Plants

From 2½-inch Pots.

	Per 100	Per 1000
Bride	$2.50	$22.50
Bridesmaid	2.50	22.50
Uncle John	2.50	22.50
Ivory	2.50	22.50
Chatenay	2.50	22.50
Sunrise	4.00	35.00
Kate Moulton	4.00	35.00
Richmond	2.50	22.50
Killarney	5.00	40.00

Bench Plants

	Per 100	1000
Richmond	$4.00	$35.00
American Beauty	6.00	50.00

PETER REINBERG
51 Wabash Ave., CHICAGO.

ROSES. ROSES.

Mrs. Potter Palmer 2½- in. strong, $15.00 per 100; $125.00 per 1000; 2000 or more $115.00 per 1000. 3½-in. $18.00 per 100; $150.00 per 1000.

Cardinal 2½-inch $6.00 per 100; $55.00 per 1000. 3½-inch $8.00 per 100; $75.00 per 1000.

AMERICAN BEAUTIES.

2-in. $5.00 per 100; $45.00 per 1000
2½-in. $5.50 per 100; $50.00 per 1000
3-in. 7.00 per 100; 65.00 per 1000
3½-in. 8.00 per 100; 75.00 per 1000
4-in. $12.00 per 100; $110.000 per 1000

Maids, Richmond, Sunrise, Uncle John, 2½-in. strong stuff, $4.50 per 100; $40.00 per 1000.
3½-in. Maids, Kaiserin, ready May 20th, $6.50 per 100; $60.00 per 1000.
Benched Beauties, cut back, $6.50 per 100; $55.00 per 1000.

ASPARAGUS.
Comorensis ...3-in., $6.00 per 100; $50.00 per 1000
Plumosus..4-in., $10.00 per 100; 6-in., 20.00 per 100

CHRYSANTHEMUMS.
Best list of commercial varieties. See classified ad., page 1077.

SNAPDRAGON, Pink and yellow, clear colors, 2½-in. $3.00 per 100.

POEHLMANN BROS. CO., Morton Grove, Ill.

Roses for Sale.

1400 Brides, 1400 Maids, 800 Gates, 700 Perles in 3½-inch pots, good strong healthy plants at $35.00 per 1000.

Cash to accompany order.

A. SUNDERBRUCH'S SONS,
232 West Fourth St. CINCINNATI, O.

A. F. LONGREN

Rooted cuttings and plants of
CARNATIONS and CHRYSANTHEMUMS
—MY SPECIALTY—
Des Plaines, - Illinois.

Afterglow
Strong Rooted Cuttings now ready,
$12.00 per 100; $100 per 1000.
R. WITTERSTAETTER,
(Originator)
Station F. CINCINNATI, O.

JOHN E. HAINES,
BETHLEHEM, PA.,

is the place to order rooted cuttings of the following varieties for 1908.

	Per 100	Per 1000
John E. Haines, red	$6.00	$50.00
Imperial, variegated	6.00	50.00
Pink, Pink	6.00	50.00
Enchantress, Light pink	6.00	50.00

Jensen & Dekema
CARNATION SPECIALISTS
674 W. Foster Ave., CHICAGO.

ROSES
A SPECIALTY.
The Dingee & Conard Co.,
WEST GROVE, PA.

Chrysanthemums

FOR EVERY PURPOSE.

A partial list with prices appeared in previous issue.

ELMER D. SMITH & CO.,

Successors to Nathan Smith & Son,

ADRIAN, MICH.

Chrysanthemums

3,000 Appleton, 500 each of T. Eaton, Yellow Eaton, Monrovia, W. Duckham, Cheltoni, Pacific, Nellie Pockett, F. A. Cobbold, 1000 Mrs. W. Duckham, 500 Garza, now ready, in 2¼ in. pots, $3.00 per 100, $20.00 per 1000.

Many other kinds in smaller quantity.

CHARLES H. TOTTY,

Madison, N. J.

ROSES. STRONG, CLEAN STOCK.

Grafted Killarney, Richmond, Brides, and Maids $12.00 per 100; $110.00 per 1000. Own-root Brides Maids, Gates, Ivory, Perle, Killarney and Richmond $6.00 per 100; $55.00 per 1000.

All from 3½-in pots.

P. R. QUINLAN, SYRACUSE, N. Y.

ROSES. We have the following extra fine stock to offer:

3-in.		2½-in.	3-in.		2½-in.
600	Ivory		500	Kaiserin	
200	Gate	100	675	Bridesmaid	1500
175	Chatenay	275		Carnot	150
1000	Richmond	1000		Beauty	400
1000	Killarney			La France	200
1600	Bride	750			

GEO. A. KUHL, Pekin, Ill.

San Francisco.

TRADE QUIET.

Business brightened up a little for Memorial day, but does not compare favorably with that of a year ago. All the florists who other years shipped a great many large orders to the country towns report considerable falling off this time. We are all preparing for a very quiet summer season, and quite a number of the florists are making preparations for prolonged vacations.

NOTES.

Stein & Levin have been very fortunate of late in securing some large funeral orders, notable amongst which was a pall for the funeral of the late Rabbi Vorsanger. The pall was made entirely of orchids and the necessary fern and is said to have cost $500. The designs and flowers used were valued at considerably over $2,000.

J. B. Boland, whose store was recently burned out on one of the temporary wooden structures on Geary street, has opened an up-to-date store in a modern fireproof building at 60 Kearney street. All his friends are wishing him much success in his new venture.

N. Peterson, of Fillmore and Haight streets, is going for several weeks to Lake county, to take a well earned rest.

F. Pelicano, who has been down with rheumatism, is about again.

P.

GRAFTED ROSES.—Novelties.

Mrs. Jardine, Rhea Reid, Queen Beatrice.

The above, $6.00 per doz., 50 plants for $18.00 $35.00 per 100.

MY MARYLAND, 50c each, $5.00 per doz., $35.00 per 100.

On own roots, 2½-in. pots, $25.00 per 100, $2.00 per 10, 3-in. $5.00 per doz.

STANDARD VARIETIES.

Aurora, Bon Silene, Bride, Bridesmaid, Enchanter, Etoile de France, Franz Deegan, General McArthur, Hermosa, Kaiserin Augusta Victoria, Kate Moulton, Killarney, La Detroit, Maman Cochet, Marechel Niel, Mme. Abel Chatenay, Mme. Hoste, Mrs. Pierpont Morgan, Papa Gontier, Rosalind Orr, English, Souv. de Wooton, Wellesley, White Cochet.

GRAFTED, 2¼-inch pots, 20c each, $2.00 per doz., $15.00 per 100, $120.00 per 1000.

OWN ROOT ROSES.

From 2½-inch pots, repotted from 2-inch.

Killarney, Bride, Bridesmaid, Ivory, Richmond, Mme. Abel Chatenay, Aurora, $1.00 per doz. $6.00 per 100, $50.00 per 1000.

From 2-inch pots, ready for shipment, $3.50 per 100, $30.00 per 1000.

MISCELLANEOUS PLANTS.

AGERATUM, Stella Gurney, Princess Pauline.
HELIOTROPE.

Rooted cuttings 75c per 100, $6.00 per 1000.

COLEUS.

Verschaffeltii, Golden Queen, Fire Brand, Lord Palmerston, Queen Victoria, Beckwith's Gem. Prices of rooted cuttings by express, 60c per 100; $5.00 per 1000. Less than 250 of a variety will be charged at the 100 rate.

Golden Bedder, Hero, Messey, Pearl of Orange. 75c per 100, $6.00 per 1000. Less than 250 of a variety will be charged at the 100 rate.

Fancy varieties, a very fine assortment of twelve kinds not listed above; 75c per 100, $6.00 per 1000. 50 in assortment, our selection, at the 1000 rate.

Asparagus Plumosus Nanus Seedlings

From flats, $10.00 per 1000.

CHRYSANTHEMUMS.

Ready for Shipment.

Virginia Poehlman, Angele Laurent, Golden Dome, Mlle. Jeanne Rosette, Money Maker from 2¼-in. pots, $2.00 per doz. $10.00 per 100.

Mrs. Clay Frick, Zimmers Yellow, Mary Mann, from 2¼-in. pots, $1.00 per doz., $6.00 per 100.

Rooted cuttings, $5.00 per 100.

CHOICE POMPONS, Klondyke, Quinola.

CHOICE SINGLE VARIETIES, Kitty Bourne, Mrs. Roberts, Amorita, from 2¼-in. pots, $1.00 per doz.

STANDARD VARIETIES

WHITE—Early; Geo S. Kalb, Polly Rose, Early Snow, October Frost. Mid-Season: Clementine Touset, White Shaw, Mrs. H. Robinson, Beatrice May Merza, Niveus, Alice Byron, Eureka, Miss Minnie Wanamaker, Adelia, Late: Mrs. McArthur, Timothy Eaton, W. H. Chadwick, Merry Christmas.

PINK—Early; Glory of the Pacific, Rosiere, Mid-Season; J. K. Shaw, Adelia, A. J. Balfour, William H. Duckham, Dr. Enguehard, Morton F. Plant. Late: Maud Dean, The Harriott, Mayor Weaver, Mrs James Marshall.

YELLOW—Early: Monrovia. Mid-Season: G. Pitcher, Col. D. Appleton. Late: Major Bonnaffon, H. W. Reiman, Yellow Eaton.

RED—Cullingfordi, Merstham Red. Matchless.

BRONZE YELLOW—Mrs. William Duckham, Old Gold.

POMPONS—Baby (Yellow), Lulu (White), Briolas (Pink).

From 2¼-in. pots, 5c each, 50c per dozen, $3.00. per 100, $25.00 per 1000. Rooted cuttings, $.200 per 100, $15.00 per 1000.

SMITH'S NOVELTIES FOR 1908.

Golden Glow, Pacific Supreme, White Cloud, 2¼-in. pots, $5.00 per dozen. Ready for shipment.

A. N. PIERSON, Inc., Cromwell Conn.

60,000 Grafted Roses

	Per 100
Chatenay, Killarney, Richmond, Liberty, La France, 3½-in. pots	$18.00
Bride, Bridesmaid, Golden Gate, Kaiserin, 3½-in. pots	15.00

OWN ROOT ROSES.

Bride, Bridesmaid, Killarney, Richmond, Chatenay, 3-inch pots, $7.00 and $9.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

Grafted Roses for Forcing

BRIDE, KAISERIN, RICHMOND, BRIDESMAID, KILLARNEY, WELLESLEY } $10.00 per 100 $100.00 per 1000

JACKSON & PERKINS CO.

Wholesale Florists and Nurserymen. Newark, Wayne Co., N. Y.

ROSES AND VINCAS

See column adv page 959, May 30.
400 sorts 2½ and 4-inch.

THE LEEDLE FLORAL COMPANY, SPRINGFIELD-OHIO

ROBERT CRAIG CO.

WELL GROWN YOUNG **ROSES**

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

THE
CHRYSANTHEMUM MANUAL.

By Elmer D. Smith.

NEW AND REVISED EDITION.
Price 40 Cents. Cash with order.

AMERICAN FLORIST CO.
324 Dearborn St., CHICAGO.

Now is the time to place your orders for

Begonia Gloire de Lorraine, Cyclamen and Poinsettias.

I am well equipped to supply the above in any quantity at the following prices:

Begonia Gloire de Lorraine, 2½ in. pots (leaf cuttings), **$15** per 100; **$140** per 1000.
Cyclamen, per 100, 2½ in., **$5**; 3 in., **$7**; 4 in., **$15**; 5 in., **$20.**
Poinsettias, 2½ in., **$5** per 100; **$45** per 1000.

Satisfaction guaranteed.

S. S. SKIDELSKY
1741 N. 18th St., Philadelphia, Pa.

Dracæna Indivisa,

Fine stock for Hanging Baskets.

Strong plants from 3-in. pots, $5.00 per 100; $45.00 per 1000; 250 at 1000 rate.

VICK & HILL CO.
P. O. Box 613, Rochester, N. Y.

FINE STOCK.

Deflexus....$3.50 to $ 7.00 per 100
Sprengeri.......... 15.00 per 1000
Smilax............. 15.00 per 1000

Send for sample.

Hardy Phlox, rooted cuttings Rose pink white eye best of all the varieties. A good white and a good purple at $1.25 per 100: $10.00 per 1000.

ALBERT M. HERR,
LANCASTER, - PA.

VINCAS

From 2½-in. pots....$2.00 and $3.00 per 100
From 4-in. pots................6.00 per 100

Also **GERANIUMS,** mixed, from 4-inch pots, $7.00 per 100. Cash with order.

GEORGE BISCHOFF
ANN ARBOR. MICH.

Columbus, O.

So far there have been quite a few weddings this month, but the number is not quite up to the average of former years, neither are the decorations as lavish as usual. In spite of the general business depression, the amount of spring work was far in excess of former years. Work is now being pushed rapidly in the greenhouses, new benches being put up and all arrangements made for planting chrysanthemums and roses. Poinsettias are now ready to be potted off, and from all indications, a fine crop may be expected next December. The second annual work-horse parade was held in this city last week. Emil Metzmaier, one of our local florists, had an entry in the parade. The turnout was splendid, wagon newly painted and horse well groomed. The Florists' Club will hold its annual picnic at Buckeye lake this summer. No definite date has been fixed as yet, as it depends upon when Mr. Bauman can go to catch some of his whoppers he tells about. CARL.

Surplus List.

	Per 100
Asparagus Plumosus, 2-in	$3 00
" " 2½-in	4 00
" Sprengeri, 2½-in	3 00
Ageratum, Little Blue Star	3 00
Achyranthes, 2 kinds, 2½-in	3 00
Begonia Gloire de Sceaux, 2½-in	10 00
" Fairy Queen, 2½-in	4 00
" Vernon, 2½-in	4 00
Chrysanthemums, large stock; send for list.	
Coleus, John and Anna Pfister, 2-in	3 00
Castor Bean, tall bronze and dwarf green, 2½-in	4 00
Cobea Scandens, 2-in	4 00
" " 4-in	10 00
Cyclamen, Vaughan's Giant-Flowering, 2½-in	4 00
Cannas, strong pot plants; send for list.	
Dahlias, strong pot plants, named, in all the best sorts, both cactus and large flowering	6 00
Dracena Indivisa, strong 7-in ... per doz.	$6 00
Geraniums, ivy-leaved, asst. kinds, 2½-in	$4,00
" Little Pink, Sycamore, Beaute Poitevine, Single and Dbl. White, 2½-in.	4 00
4-in	8 00
Moonvines, white, 2½-in	4 00
Kenilworth Ivy, 2½-in,	2 00
English Ivy, 4-in., long vines	10 00
German Ivy, 2½-in., long vines	3 00
Lobelia Speciosa and Bedding Queen, 2-in.	2 50
" New Dbl. Kathleen Mallard, 3-in.	8 00
Latania Borbonica, 2½-in	4 00
" " 3-in	7 00
Primula Obconica, 2-in	3 00
Solanum Capsicastrum, 2½-in	4 00
Salvias, 2½-in	4 00
" 3-in	6 00
Smilax, myrtle leaf, 3-in	5 00
" large leaf, 2-in	2 00
Sage, Holt's Mammoth, 2-in	2 50
Santolina, 2-in	3 00
Thunbergia, 2½-in	3 00
Petunias, finest double sorts, 2½-in	4 00
Pelargoniums, named kinds, 4-in. pots	15 00

Vaughan's Seed Store, **84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.**

Greenhouses and Nurseries: Western Springs, Ill.

PALMS **Home Grown.**

COCOS WEDDELLIANA.

	Each	Doz.
2½-in. pot, 8 to 10 in. high	.10	
2½-in. pot, 10 to 12 in. high	.15	

KENTIA BELMOREANA.

	Each	Doz.
6-in. pot, 6 to 7 leaves, 22 to 24 in.	1.00	12.00
6-in. pot, 6 to 7 leaves, 24 to 26 in.	1.25	15.00
6 in. pot, 6 to 7 leaves, 26 to 28 in.	1.50	18.00
6 in. pot, 6 to 7 leaves, 30 to 36 in.	2.00	24.00
7-in. pot, 6 to 7 leaves, 32 to 34 in., heavy	2.50	30.00

Full line of Kentias, (all sizes), ready n July.

JOSEPH HEACOCK COMPANY, Wyncote, Pa.

FERNS.

2¼-inch	Boston and Piersoni, extra strong	$ 3.50 per 100;	$ 30.00 per 1000
3 -inch	" " " " "	7.00 per 100;	65.00 per 1000
4 -inch	" " " " "	12.50 per 100;	100.00 per 1000
5 -inch	" " " " "	25.00 per 100;	
6 -inch	" " " " "	50.00 per 100;	
2¼-inch	Scotti and Elegantissima, extra strong	4.00 per 100;	
3 -inch	" " " "	8.00 per 100;	75.00 per 1000
2¼-inch	Asparagus Plumosus " "	3.00 per 100;	25.00 per 1000
4 -inch	" " "	9.00 per 100;	85.00 per 1000
2¼-inch	" Sprengeri, " "	2.25 per 100;	
3 -inch	" " " "	5.00 per 100;	
4 -inch	" " " "	8.00 per 100;	

THE MOSBÆK GREENHOUSE CO., ONARGA, ILL.

Boston and Piersoni Ferns.

2½-inch	$ 3.00 per 100
3-inch	6.00 per 100
4-inch	10.00 per 100
6-inch	.40 each.

Thomas Salveson, Petersburg, Ill.

Neph. Whitmani

2¼-inch........................$ 5.00 per 100
3½-inch........................ 25.00 per 100

Boston Ferns 2¼-inch, $3.00 per 100.

Henry H. Barrows & Son, WHITMAN, MASS.

TEXARKANA, ARK.—The Stegall Floral Co. reports that spring trade has been very satisfactory, with a heavy demand for plants.

DALTON, MASS.—J. R. Shield, gardener to F. G. Crane, will sail June 24 on the S. S. Mauretania for a two months' trip abroad.

LOS ANGELES, CALIF.—Carnations are selling here, June 3, at $1.50 per 1,000 and there are lots of them to be had at that price.

HAVELOCK, NEB.—A. Van Pelt has rented two and one-half acres on East Jackson street and is preparing to start a nursery and vegetable garden.

VAUGHAN'S SEED STORE,

CHICAGO, 84-86 Randolph St. NEW YORK, 14 Barclay St.

A FEW GOOD THINGS YOU WANT.

Asparagus Sprengeri, 2-in., $2.50 per 100; 3-in. $5.00 per 100. Seedlings, $1.00 per 100.
Geraniums, Nutt, Doyle, Perkins, Ricard, Grant, La Favorite, R. C., $1.25; 2-in. pots, $2.00; 3-in., $4.00 per 100; Trego, Viaud, Castellane, Poitevine, Jaulin, R. C., $1.50; 2-in. pots, $2.50; 3-in., $5.00 per 100. Mme. Salleroi, 2-in. $3.00 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100; 3-in., $5.00 per 100.
Boston Ferns, 5-in., 30c each.
Vinca Var., 2-inch, $2.00 per 100.
Dracena Indivisa, 2-in., $3.00; 3-in., $5.00 per 100.
Gladiolus Bulbs, light colors, $1.00 per 100.
Rex Begonia, $5.00 per 100.
Coleus, Cigar Plant, Verbena, Heliotrope, Scarlet Sage, Bonfire, 2-in. pots, $2.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the express companies properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

BARGAINS IN

Geraniums, Asters, Centurea, Coleus, Feverfew, Fuchsias, Sw, Alyssum, Marguerites, Heliotrope, Salvia, Impatiens Sultani, Santolinas, German Ivy, English Ivy, Cobeas, Begonias, Moonvines, Cannas, Caladiums, Amp. Veitchii, Paniculata, Baby Rambler, white and red, Madam Souperts, etc., etc. Write

Geo. A. Kuhl, Wholesale Grower. **Pekin, Ill.**

Orange, N. J.

The regular monthly meeting of the New Jersey Floricultural Society was held June 5 at the society's rooms. It was the last meeting of the season prior to the summer recess and the floral display was confined to the season's flowers and orchids. Peonies from S. and A. Colgate (gardener, William Read), Charles A. Munn (gardener, John Hayes), Stewart Hartshorne (gardener, Arthur T. Caparn); carnations from Chas. Hathaway (gardener, Max Schneider), delphininum and digitalis from Thos. Jones, of Short Hills; orchids from Lager and Hurrell, of Summit, and Orson A. Miller, of East Orange. The topic for the evening, "Flowers for Commercial Uses," was opened by John E. Lager and the discussion participated in by Geo. Smith, A. T. Caparn, John Hayes, Orson A. Miller and President Malcolm MacRorie. Geo. Smith was appointed to convey the sentiments of the society to A. D. Rose who is severely ill at his residence in Montclair.

J. B. D.

WORCESTER, MASS.—The weekly exhibition opened at Horticultural Hall under the auspices of the Worcester County Horticultural Society, June 4, was a very successful one, the flowers being shown in unusual numbers and of excellent quality. Wild flowers were also shown. E. W. Breed was a successful exhibitor.

GERANIUMS

Good Standard varieties at $2.00 per 100 and up to Novelties at $1.00 each, from 2-in. pots. Our collection contains nearly 300 varieties, we will send 1000, 50 each of 20 varieties, our selection, for $18.50. this is a splendid collection to stock up on. We have a good assortment in 3-in. pots at $3.50 per 100.

A cordial invitation is extended to all interested in Geraniums to visit us during May and June to inspect our new stock houses, containing over 60,000 plants, and especially to see our new show house. In it there are over 300 varieties in full bloom, a splendid opportunity to compare the newer introductions with the old standards, and to select stock for next season. We will make a very liberal special prices on all orders booked during May and June for December delivery. We are at Cowenton on the B. & O. R. R. and at Chase on the Pennsy. We meet all trains.

PELARGONIUNS. In good varieties, in 3-in. pots $1.50 per dozen; $6.00 per 100.

DAHLIA PLANTS, from 2-in. pots at $2.00 to $10.00 per 100. We will send 1000 in 20 varieties, our selection, of good varieties in Cactus, Decorative or Show for $18.50.

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For List of Miscellaneous stock see issue of the 30th.

CANNAS, Strong Plants from 3-in. pots

	Per doz.	100
Jean Tissot, brilliant vermilion with bright orange shading	$ 1.00	$ 6.00
President Meyers, rich cherry carmine, bronze foliage	1.00	7.00
Louisiana, vivid scarlet flowers, often measuring 7 inches	1.00	7.00
Pennsylvania, bright vermilion scarlet, free bloomer, large	$ 1.00	$ 6.00
Buttercup, deep buttercup yellow, almost pure	1.00	6.00
J. D. Eisele, Egandale, Alphonse Bouvier, Mme. Crozy and Florence Vaughan	.60	4.00

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	Per 100
Chinese, single fringed, July 10	$ 2.00
Obconica Alba Rosea, July 10	2.00
Gigantea and **Kermesina,** July 10	3.00
Forbesi "Baby," July 10	2.00

Asparagus

	Per 100
Plumosus, 2¼-in. pots, July 1	$ 2.00
Sprengeri, 2¼-in. pots	2.00
Geraniums, my selection	3.00
Seedling Petunias,	2.50
Smilax, July 10	1.25

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Geraniums, 3-in. pots	$3.00	$25.00
" 3½-in. pots	3.50	28.00
" 4-in. pots	4.00	33.00
Coleus, 2½-in. pots	2.00	17.00
Double Petunias, 3-in. pots	$3.00	$25.00
Asparagus Plumosus, 3-in pots	5.00	
Asparagus Sprengeri, 2½-in. pots	2.50	22.00
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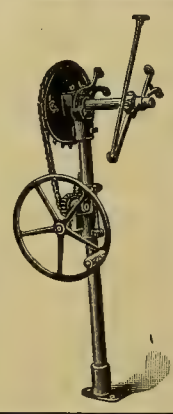

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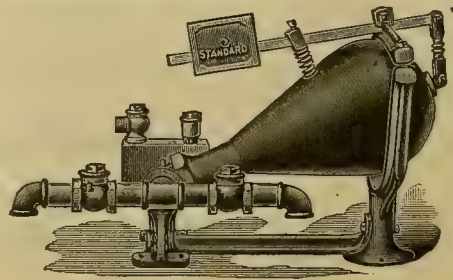

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Bulbs, Calla Ethiopica, 8 to 10 ins. cir., $80 per 1,000; 7 to 8, $65; 5 to 7, $40; 3 to 5, $25. A. Mitting, 17-23 Kennan St., Santa Cruz, Calif.

Bulbs, Freesia Purity, first and 2nd grade. Rudolph Fischer, Santa Anita, Calif.

Bulbs, hardy lilies, Auratum, 8 to 9-in., 225 to case, $5 per 100; $45 per 1,000; 9 to 11-in., 125 to case, $8.25 per 100; $70 per 1,000; 11 to 13-in., 75 to case, $12 per 100. Rubrum, 8 to 9-in., 225 to case, $5.50 per 100; $48 per 1,000; 9 to 11-in., 125 to case, $8.50 per 100; $76 per 1,000; 11 to 13-in., 100 to case, $11 per 100. Album, 8 to 9-in., 225 to case, $7 per 100; $62 per 1,000; 9 to 11-in., 100 to case, $12 per 100. Vaughan's Seed Store, Chicago and New York.

Bulbs of all kinds. A. T. Boddington, 342 W. 14th St., New York.

BULBS, Imported.

Bulbs, Lilium Phillippensis, $2.75 per 100; $25 per 1,000. Mangowood Floral Co., Manila, PI.

Bulbs. Japan lilies. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, French our specialty. Hermitte Freres, Ollioules Var., France.

CALADIUMS.

Caladiums, $15 per 100. W. J. & M. S. Vesey, Ft. Wayne, Ind.

CANNAS.

Cannas, 3-in. pots: Jean Tissot, $1 per doz.; $6 per 100. President Meyers, Louisiana, $1 per doz.; $7 per 100. Pennsylvania, Buttercup, $1 per doz.; $6 per 100. J. D. Eisele, Egandale, Alphonse Bouvier, Mme. Crozy, F. Vaughan, 60c per doz.; $4 per 100. R. Vincent Jr. & Sons Co., White Marsh, Md.

Cannas, Kate Gray, $3 per 100; $20 per 1,000. Allemania, Giant Crimson, California, Evolution, Duke of Marlborough, Eastern Beauty, Pres. Cleveland, Burbank, $2.50 per 100; $20 per 1,000. Conard & Jones Co., West Grove, Pa.

Cannas, F. Vaughan, Pennsylvania, Kate Gray, Chas. Henderson, Fairhope, J. D. Eisele, David Harum, Pres. Vigar, Alsace, Mlle. Berat, Allemania, 3-in., $5 per 100; $40 per 1,000. Plants started in sand, $3 per 100; $25 per 1,000. W. W. Coles, Kokomo, Ind.

Cannas, Black Beauty, Egandale, Antoine Bouvier, Burbank, Kate Gray, $3 per 100. Buffalo Cut Flower Co., 468 Washington St., Buffalo, N. Y.

Cannas, French: 12 vars., 4-in., $7 to $8 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Cannas, Chas. Henderson, Austria, F. Vaughan, 4-in., $6 per 100. J. P. Hauck, Carrick, Pa.

Cannas. $7 per 100. W. J. & M. S. Vesey, Ft. Wayne, Ind.

Cannas. James Vick's Sons, Rochester, N. Y.

Cannas. Geo. A. Kuhl, Pekin, Ill.

CARNATIONS.

Carnations, from pots, Winsor, White Enchantress, $7 per 100; $60 per 1,000. Helen Gould, $6 per 100; $50 per 1,000. Melody, Kingston Pit, $5 per 100. Daheim, Estelle, Lady Bountiful, Red Lawson, Var. and White Lawson, $4 per 100; $35 per 1,000. Lawson, B. Market, Harlowarden, $3 per 100; $25 per 1,000. Wood Bros., Fishkill, N. Y.

Carnations, field-grown, Enchantress and Winsor, on and after July 1. Only a few left. To close out quick, $55 per 1,000. Cash, or good reference with order. Wanoka Greenhouses, Barneveld, N. Y.

Carnations, John E. Haines, Imperial and Pink Imperial. Enchantress, $6 per 100; $50 per 1,000. John E. Haines, Bethlehem, Pa.

Carnation Afterglow, $2 per doz.; $12 per 100; $100 per 1,000. R. Witterstaetter, Sta. F., Cincinnati, O.

Carnations, 2-in., White Perfection, Rose Pink Enchantress, $3 per 100. Winona, $12. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, leading vars. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, leading vars. Jensen & Dekema, 674 W. Foster Ave., Chicago.

Carnations, R. C. and plants. A. F. Longren, Des Plaines, Ill.

Carnation Andrew Carnegie, plants from soil, $12 per 100. Chicago Carnation Co., Joliet, Ill.

Carnations. E. G. Hill Co., Richmond, Ind.

If you do not find what you need in our Ready Reference Department, write us about it.

CENTAUREAS.

Centaurea Gymno., 2½-in., $3 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Centaurea, 2-in., $3 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Centaurea, dusty miller, 2¼-in., $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

CHRYSANTHEMUMS.

CHRYSANTHEMUM PRICE LIST.

	R. C. per 100	R. C. per 1000	2½-in. per 100	2½-in. per 1000
WHITE.				
Earliest White, Oct. Frost	$ 3.00	$25.00	$ 4.00	$ 35.00
Virginia Poehlmann	10.00	80.00	12.00	100.00
Kalb	2.00	18.00	3.00	25.00
Robinson	2.00	18.00	3.00	25.00
C. Touset	2.00	18.00	3.00	25.00
Alice Byron	2.00	18.00	3.00	25.00
White Bonnaffon	2.00	18.00	3.00	25.00
Timothy Eaton	2.00	18.00	3.00	25.00
W. H. Chadwick	2.00	18.00	3.00	25.00
Jeannie Nonin	2.00	18.00	3.00	25.00
Merry Christmas	2.00	18.00	3.00	25.00
Garza, single pompom	3.00	....	4.00	....
YELLOW				
Monrovia, earliest	3.00	25.00	4.00	35.00
Halliday	2.00	18.00	3.00	25.00
Col. Appleton	2.00	18.00	3.00	25.00
M. Bonnaffon	2.00	18.00	3.00	25.00
Chatauqua Gold	2.00	18.00	3.00	25.00
Yel. Eaton	2.00	18.00	3.00	25.00
Golden Chadwick	2.00	18.00	3.00	25.00
Golden Wedding	2.00	18.00	3.00	25.00
PINK.				
Rosiere	2.00	18.00	3.00	25.00
McNiece	2.00	18.00	3.00	25.00
Dr. Enguehard	2.00	18.00	3.00	25.00
Maud Dean	2.00	18.00	3.00	25.00
RED				
Intensity	2.00	18.00	3.00	25.00
Schrimpton	2.00	18.00	3.00	25.00

All stock plants grown on top of benches to procure the best results. Cuttings far superior to most of them offered. Satisfaction guaranteed. Cash with order.

POEHLMANN BROS. Co., Morton Grove, Ill.

CHRYSANTHEMUMS.

ROOTED CUTTINGS READY NOW.

White	Per 100.	Yellow	Per 100.
Oct. Frost	$2.00	Gen. Hutton	$1.50
Estelle	1.50	Oct. Sunshine	1.50
Polly Rose	1.50	Chas. Cronin	1.50
Ivory	2.00	M. Bonnaffon	1.50
Robinson	1.50	Y. Eaton	2.00
Merry Xmas	1.50	Golden Dome	2.00
Yanoma	2.00	Mrs. Geo. Beech	1.50
Alice Byron	2.00	Pink	
W. H. Chadwick	2.00	Pink Ivory	2.00
T. Eaton	2.00	Monogram	1.50
C. Touset	1.50	Rosiere	1.50
Beatrice May	3.00	Lady Harriett	2.00
W. Bonnaffon	1.50	A. J. Balfour	2.00
Wanamaker	1.50	Mrs. Mary Mann	1.50
J. Nonin	1.50	Dr. Enguehard	1.50
Mrs. Swinburn	1.50	Mrs. Perrin	1.50
Snow Queen	1.50	Maud Dean	1.50
Yellow		M. F. Plant	1.50
Monrovia	2.50	Red	
Apple	1.50	Intensity	1.50
Golden Beauty	2.00	Black Hawk	1.50
G. Wedding	2.00		

WIETOR BROS., 51 Wabash Ave., Chicago.

Chrysanthemums, Virginia Poehlmann, Angele Laurent, Golden Dome, Mlle. Jeanne Rosette, Money Maker, 2¼-in., $2 per doz.; $10 per 100. Mrs. Clay Frick, Zimmers Yellow, Mary Mann, 2¼-in., $1 per doz.; $6 per 100; R. C., $5 per 100. Pompons, Klondyke, Quinola, choice single vars., Kitty Bourne, Mrs. Roberts, Amorita, 2¼-in., $1 per doz. Standard varieties: Kalb, Polly Rose, Early Snow, Oct. Frost, C. Touset, White Shaw, Robinson, Beatrice May, Merza, Niveus, Queen, Byron, Eureka, Wanamaker, Adelia, Mrs. McArthur, T. Eaton, Chadwick, Merry Christmas, Glory of Pacific, Rosiere, Shaw, Balfour, Duckham, Enguehard, M. F. Plant, Maud Dean, The Harriott, Mayor Weaver, Mrs. J. Marshall, Monrovia, G. Pitcher, Appleton, Bonnaffon, Golden Wedding, H. W. Rieman, Yellow Eaton, Cullingfordi, Merstham Red, Matchless, Mrs. Duckham, Old Gold. Pompons: Baby, Lulu, Briolas, 2¼-in., 5c each; 50c per doz.; $3 per 100; $25 per 1,000; R. C., $2 per 100; $15 per 1,000. Smiths novelties for 1908: Golden Glow, Pacific Supreme, White Cloud, 2¼-in., $5 per doz. A. N. Pierson, Cromwell, Conn.

Chrysanthemums, rooted cuttings: White, Timothy Eaton, Mrs. Geo. S. Kalb, fine early; Estelle, White Bonnaffon, Alice Byron, Ivory, C. Touset, Jeannie Nonin. Pink: Glory of the Pacific, Mary Mann, Dr. Enguehard, Maud Dean, Rosiere. Yellow: Major Bonnaffon, Cremo, Robt. Halliday, "Baby" small yellow, $2 per 100; $15 per 1,000. Cash with order. Wm. Swayne, P. O. Box 226, Kennett Square, Pa.

Chrysanthemums, 3,000 White Bonnaffon, T. Eaton, and other varieties, $18 per 1,000. McIntyre Bros., Florists, Nashville, Tenn.

CHRYSANTHEMUMS.

Strong, healthy, well rooted cuttings of Brutus, Roserie, Geo. S. Kalb, G. of Pacific, Cobbold, Halliday, Duckham (pink), Appleton, Parr, Ben Wells, White and Pink Ivory, A. J. Balfour, Jeannie Nonin, White and Yellow Bonnaffon, Roi de Italie, P. Plumridge, Minnie Bailey, W. B. Chamberlain, John K. Shaw, Edgar Saunders, Dr. Enguehard, Mrs. Weeks, Merza, Robinson, Willowbrook, C. Touset, Gen. Maceo, $1.50 per 100; 2-in. plants, $2 per 100. October Frost, White Jones, White and Yellow Eaton, cuttings, $2 per 100; pot plants, $2.50 per 100. Golden Dome, $1 per doz.; $8 per 100. James Hamilton, Mt. Washington, Maryland.

Chrysanthemums, Pacific, Polly Rose, $2.50 per 100. Monrovia Halliday, Clementine Touset, Byron, Percy Plumeridge, Golden Wedding, white and pink Dean, Enguehard, Nonin, Bonnaffon, $3 per 100; from 2½-in.; extra stock for early orders. Henry F. Piggott, 4248 Pearl Road, Cleveland, O.

Beatrice May only $2.50. Oct. Frost, Touset, Adelia, Nonin, Enguehard, Shaw, Monrovia, strong stock, sure to please, $2.50 per 100; cuttings, $1.50. Not more than 25 per cent B. May in any order at above rates. W. J. Olds, Union City, Pa.

Chrysanthemums, Appleton, T. Eaton, Yellow Eaton, Monrovia, Duckham, Cheltoni, Pacific, Nellie Pocket, F. A. Cobbold, Mrs. Duckham, Garza, 2¼-in., $3 per 100; $20 per 1,000. Chas. H. Totty, Madison, N. J.

Chrysanthemums, M. Bonnaffon, Col. Appleton, G. Wedding, W. B. Chamberlain, T. Eaton, J. Nonin, 2¼-in., $2.50 per 100; 3-in., $3 per 100. Black Bros., 401-403 E. Chase St., Baltimore, Md.

Chrysanthemums, from 2½-in. pots, $22 per 1,000; extra good stock; 1,000 Pacific; 2,000 Halliday; 1,400 Touset; 5,400 Appleton; 2,200 Robinson. H. G. Darlington, Flushing, Long Island.

Chrysanthemums, hardy, 75 kinds, small flowered or button, $2 per 100; large flowered or aster, $3 per 100. R. Vincent Jr., & Sons Co., White Marsh, Md.

Chrysanthemums, about 20 good commercial varieties, 2½-in., $2.50 per 100. West End Greenhouses, Lincoln, Ill.

Chrysanthemums, hardy mixed varieties, 2¼ in., $2.25 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Chrysanthemums, R. C. and plants. A. F. Longren, Des Plaines, Ill.

Chrysanthemums for every purpose. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, white, yellow, pink, R. C. and 2-in. Geo. A. Kuhl, Pekin, Ill.

Chrysanthemums, leading varieties. Vaughan's Seed Store, Chicago and New York.

Chrysanthemums, October Frost, 2½-in., $3 per 100. A. C. Canfield, Springfield, Ill.

CLEMATIS.

Clematis, large flowering, 2-yr., red, purple, white, $3 per doz. Paniculata, 3-in., $5 per 100. Montana grandi, 4-in., $1.50 per doz. C. Eisele, 11th and Westmoreland Sts., Phila.

Clematis, true Jackmani, 6-in., 3 ft., 35c to 40c. G. Aschmann, 1012 W. Ontario St., Phila.

COBEAS.

Cobea scandens, 4-in., 8c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Cobea scandens, $8 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Cobea scandens, 2-in., $4 per 100; 4-in., $10. Vaughan's Seed Store, Chicago and New York.

COLEUS.

Coleus, Verschaffeltii, Golden Queen, Fire Brand, Lord Palmerston, Queen Victoria, Beckwith's Gem. R. C., 60c per 100; $5 per 1,000. Golden Bedder, Hero, Messey, Pearl of Orange, 75c per 100; $6 per 1,000. Fancy vars., 12 kinds, 75c per 100; $6 per 1,000. A. N. Pierson, Cromwell, Conn.

Coleus, 2½-in., 10 best bedding and fancy vars., $2 per 100; $18 per 1,000. W. W. Coles, Kokomo, Ind.

Coleus, good varieties, 2½-in., $2 per 100; 3-in., $3 per 100. The Krueger Bros. Co., Toledo, O.

Coleus, Versch., and fine assorted, 2-in., strong, 2½c. Cash. L. E. Marquisee, Syracuse, N. Y.

Coleus, 10 varieties, 2¼-in., $2 per 100. Jos. H. Cunningham, Delaware, O.

Coleus, John and Anna Pfister, 2-in., $3 per 100. Vaughan's Seed Store, Chicago and N. Y.

Coleus, 2-in., 2c. Byer Bros., Chamberb'g, Pa.

Coleus. Geo. M. Emmans, Newton, N. J.

Coleus. Geo. A. Kuhl, Pekin, Ill.

Coleus, 3-in., $4 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Coleus, 2½-in., $2 per 100; $17 per 1,000. Perennial Gardens Co., Toledo, O.

Coleus, 2-in., $1.25 per 100. Shippensburg (Pa.) Floral Co.

Coleus, asst., $2 per 100. W. J. & M. S. Vesey, Ft. Wayne, Ind.

CUPHEAS.

Cupheas, 2½-in., $3 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Cobea scandens, 4-in., $8 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

CYCLAMENS.

Cyclamen, 2½-in., $5; 3-in., $7; 4-in., $15; 5-in., $20 per 100. S. S. Skidelsky, 1741 N. 18th St., Philadelphia.

Cyclamen, best giant strain in colors, transplanted seedlings, 2c; strong from 2-in. pots, 4c. J. I. Schiller, 929 Prouty Ave., Toledo, O.

Cyclamens. Vaughan's giant-flowering. 2½-in., $4 per 100. Vaughan's Seed Store, Chicago and New York.

DAHLIAS.

Dahlias, 2½-in., $2 per 100, such sorts as C. W. Bruton, Mrs. Winters, Fire Rain, Frank Smith, Mrs. Roosevelt, Kriemhilde, Countess of Lonsdale, Mme. Van der Dael. Memphis Floral Co., Memphis, Tenn.

Dahlias, standard, double valuable sorts, $3 and $4 per 100. New and fancy sorts, $8 to $12 per 100; few good standard sorts, $2 per 100. Ferndale Nurseries, Harlan, Iowa.

Dahlias, 2-in., $2 to $10 per 100. Will send 1,000 in 20 vars., our selection, good sorts in cactus, decorative and show, $18.50. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Dahlias, pot plants, named, cactus and large flowering, $6 per 100. Vaughan's Seed Store, Chicago and New York.

Dahlias, leading varieties. David Herbert & Sons, Atco, N. J.

Dahlias, all leading sorts. James Vick's Sons, Rochester, N. Y.

The American Florist invites attention to the class of business firms in its adv. columns.

DAISIES.

Daisy Queen Alexandra, well flowered, 6 and 7-in., $6 to $9 per doz. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Daisies, Shasta, Alaska and Burbank, seedlings and transplanted, $1.50 per 100; undivided field clumps, $5 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Daisies, English, $3 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Shasta daisy, 2 kinds, 2½c and 3c. Byer Bros., Chambersburg, Pa.

DRACENAS.

Dracæna terminalis, fine colored, 4-in., $2 per doz.; 3-in., $1 per doz. The Krueger Bros. Co., Toledo, O.

Dracæna indivisa, 2¼-in., $2; 3-in., $5; 4-in., $12.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Dracæna indivisa, 3-in., $5 per 100; $45 per 1,000. Vick & Hill, Box 613, Rochester, N. Y.

Dracæna indivisa, 7-in., $6 per doz. Vaughan's Seed Store, Chicago and New York.

Dracæna indivisa, 2-in., $3 per 100; 3-in., $5. Geo. M. Emmans, Newton, N. J.

Dracæna indivisa, 5-in., $3 per doz.; $20 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

FERNS.

Ferns, Boston and Piersoni, 2½-in., $3 per 100; 3-in., $6; 4-in., $10; 6-in., 40c each. Thos. Salveson, Petersburg, Ill.

Ferns, Whitmani, 2¼-in., $5 per 100; 3½-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Son, Whitman, Mass.

Ferns for dishes, assorted vars., 2-in., $3 per 100; $25 per 1,000. Frank Oechslin, 2570 W. Adams St., Chicago.

Ferns, Boston and Elegantissima, 3 and 4-in., $6 and $12 per 100. W. W. Coles, Kokomo, Ind.

Ferns, Boston and Piersoni, 6-in., 30c. J. P. Hauck, Carrick, Pa.

Wanted—Great variety of small ferns. Send lists to W. Styan, San Mateo, Calif.

Ferns, Boston, 5-in., 30c each. Geo. M. Emmans, Newton, N. J.

Ferns. John Abbott, 6 South St., Westfield, Mass.

FEVERFEW.

Feverfew, 4-in., $8 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

FICUS,

Rubber plants, 5-in., 75c each; 6-in., $1. Buffalo Cut Flower Co., Buffalo, N. Y.

If you do not find what you need in our Ready Reference Department, write us about it.

Ficus elastica, 4-in., $3 per doz.; 5-in., $4.20 per doz.; 6-in., $6 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

FUCHSIAS.

Fuchsias, 4-in., $7; 2½ and 3-in., $3 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Fuchsias, in bud and bloom, 3-in., $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Fuchsias, 5 kinds, 2-in., $1.50 per 100. Shippensburg (Pa.) Floral Co.

GAILLARDIAS.

Gaillardias, field-grown, 3-in., $4 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

GERANIUMS.

100,000 GERANIUMS from 2½-in. pots, made from March struck cuttings, young, strong and vigorous, in bud and bloom, $2 per 100; $18 per 1,000; varieties: S. A. Nutt (any quantity), Peter Henderson (scarlet), Beaute Poitevine (salmon), Jean Viaud (pink), Mme. Buchner (white); also choice STOCK PLANTS of the same varieties, bench grown, full of cuttings, true to label, packed light, $4 per 100; $40 per 1,000. Order quick. Prompt shipment. You know us.
THE W. T. BUCKLEY CO.,
Springfield, Ill.

Geraniums, standard vars., $2 per 100 up, to novelties at $1 each, 2-in. Will send 1,000, 50 each of 20 varieties our selection, $18.50. Good assortment of 3-in., $3.50 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Geraniums, Jean Viaud, Heteranthe, A. H. Trego, M. de Castellane, Granville (pink single), in bud, 3-in., strong and bushy, $5 per 100; $40 per 1,000. Memphis Floral Co., Memphis, Tenn.

Geraniums, in bud and bloom, Nutt, Viaud, Ricard, M. Cheveliere, M. Jaulin, Dryden, Perkins, Hill, 2¼-in., $3; 3-in., $5; 4-in., $8; 5-in., $25 per 100. W. J. & M. S. Vesey, Fort Wayne, Ind.

Geraniums, Nutt, Doyle, Perkins, Ricard, Grant, La Favorite, R. C., $1.25; 2-in., $2; 3-in., $4 per 100. Trego, Viaud, Castellane, Poitevine, Jaulin, R. C., $1.50; 2-in., $2.50; 3-in., $5 per 100. Geo. Emmans, Newton, N. J.

Geraniums, ivy leaved, assorted kinds, 2½-in., $4 per 100. Little Pink, Sycamore, Poitevine, single and double white, 2½-in., $4; 4-in., $8. Vaughan's Seed Store, Chicago and New York.

Geraniums, 3-in., $3 per 100; $25 per 1,000; 3½-in., $3.50 per 100; $28 per 1,000; 4-in., $4 per 100; $33 per 1,000. Perennial Gardens Co., Toledo, O.

For Sale—1,000 S. A. Nutt geraniums, extra fine, 2½-in. plants, at $2 per 100. Orders filled in rotation. Hamilton & Plummer, 204 E. Third St., Kewanee, Ill.

Geraniums, S. A. Nutt, Ricard, 5-in., $12; 4-in., $7; 3-in., $5; 2¼-in., $3 per 100. W. J. & M. S. Vesey, Ft. Wayne, Ind.

Geraniums, bud and bloom, 4-in., $5 per 100. C. Eisele, 11th and Westmoreland Sts., Phila.

Geraniums, S. A. Nutt, John Doyle, etc., 4-in., $7 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Geraniums, elegant 4-in., Nutt, Viaud, D. Grant, Ricard, $6. Gullett & Sons, Lincoln, Ill.

Geraniums, Nutt, Poitevine, 4-in., $6 per 100. J. P. Hauck, Carrick, Pa.

Geraniums, Mme. Salleroi, 2¼-in., $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Geraniums, ivy, 2-in., 2½c. Byer Bros., Chambersburg, Pa.

Geraniums, 4-in., $8 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Geraniums, my selection, $3 per 100. Jos. H. Cunningham, Delaware, O.

Geraniums, 2-in., 2c; rose geraniums, 2-in., 1½c. Byer Bros., Chambersburg, Pa.

Geraniums, James Vick's Sons, Rochester, N.Y.

Geraniums. Geo. A. Kuhl, Pekin, Ill.

The American Florist invites attention to the class of business firms in its adv. columns.

GLADIOLI.

Gladiolus America, $6.50 per 100; $60 per 1,000. Write for prices on other stock. Cushman Gladiolus Co., Sylvania, O.

Gladiolus bulbs, $1 per 100. Geo. M. Emmans, Newton, N. J.

GLOXINIAS.

Gloxinias. L. Van Houtte, Pere, Ghent, Belgium.

GREENS.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 53 W. 28th St., New York.

Greens, bronze galax, $8.50 per case of 10,000; green, $7.50. Dagger and fancy ferns, $2 per 1,000. Laurel festooning, boxwood, southern wild smilax, sphagnum moss, leucothoe sprays, etc. Henry M. Robinson & Co., 15 Province St., Boston.

Greens, dagger and fancy ferns, $1.75 per 1,000. Bronze and green galax, $1.25 per 1,000. Leucothoe sprays, $1 per 100; $7.50 per 1,000. Sphagnum moss, per bale, $1.25. Boxwood bunches, 35c; 50 lbs., $7.50. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit.

Greens, cut palmetto and cycas leaves, galax leucothoe, ferns, mosses, etc. Kervan Co., 113 W. 28th St., New York.

Greens, smilax, ferns, palm leaves, etc. John P. Scherer, Union Hill, N. J.

Greens, southern wild smilax. E. A. Beaven, Evergreen, Ala.

HARDY PERENNIALS.

Perennials, Coreopsis lanceolata, 5-in., 10c; Campanula in variety, 5-in., 12c; 6-in., 15c; bud and bloom, 6-in., 35c; sweet william, 5-in., 12c; Lychnis C., 3½-in., 5c; Ampelopsis Veitchii, 2-in., $2.50 per 100; 3-in. perennials for pots, 75c per doz.; $5 per 100; sweet william, 4-in., 75c per doz; $5 per 100; garden pinks, 4-in., 85c per doz.; $6 per 100; myosotis forget-me-not, 60c per doz.; $4 per 100; Lychnis Chal., 3-in., 85c per doz.; $6 per 100; foxglove, 3-in., 85c per doz.; $6 per 100; achillea, 3-in., 75c per doz.; $5 per 100; Pentstemon hybrids; Canterbury bells, 4-in., 85c per doz.; $6 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Hardy perennials. Get our prices for field-grown stock. We have one of the best assortments of seedlings, transplanted and undivided clumps. Send for descriptive list. Mosbæk Greenhouse Co., Onarga, Ill.

Hardy phlox, 2¼-in., $2.50 per 100; fall cuttings, $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Hardy pinks, asst, colors in bud and bloom, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Moonvines, 4-in., 30 to 36 ins., $12 per 100; 2½-in., $5. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Phlox Drummondi, 2½ to 3-in., grandi., vars., $3 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

HELIOTROPES.

Heliotrope, 4 of the best, 2¼-in., $2.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Heliotrope, blue, 2½-in., $3 per 100. C. Eisele, 11th and Westmoreland Sts., Phila.

Heliotrope, 4-in., $8 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Heliotrope, 3-in., $4 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Heliotrope, R. C., 75c per 100; $6 per 1,000. A. N. Pierson, Cromwell, Conn.

Heliotrope. Geo. M. Emmans, Newton, N. J.

HOLLYHOCKS.

Hollyhocks, standard colors, 2¼-in., $2.25 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

HONEYSUCKLES.

Honeysuckles, Halliana and Red Trumpet, $1.50 per doz.; $10 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

HYDRANGEAS.

Hydrangea Otaksa, $9, $12 and $18 per doz. J. A. Peterson, McHenry Ave., Westwood, Cincinnati, O.

Hydrangeas, 3-in., $10 per 100; 6 and 7-in., 50c, 75c and $1 each. Geo. A. Kuhl, Pekin, Ill.

Hydrangeas. 25c to $4 each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Hydrangea Snowball, 3-yr., $5 per doz. Vaughan's Seed Store, Chicago and New York.

Hydrangeas. W. & T. Smith Co., Geneva, N. Y.

IVIES.

Ivy geraniums in variety, 2¼-in., $3; 3-in., $6; 4-in., $8 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Ivy, Kenilworth, 2½-in., $2 per 100. English, 4-in., $10; German, 2½-in., $3. Vaughan's Seed Store, Chicago and New York.

Ivy, English, 4-in., $1.50 per doz.; $10 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Ivy, German, 2¼-in., $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Ivies, long, 4-in., $12 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Ivy, English, 3 ft., 4-in., 10c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

English ivy, 3-in., $3 per 100. The Krueger Bros. Co., Toledo, O.

LILACS.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig Saxony, Germany.

From Storage.

Lily of the valley, pips, cold storage. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley, cold storage pips, $14 per 1,000; $1.75 per 100. H. N. Bruns, 1407-11 W. Madison St., Chicago.

LOBELIAS.

Lobelia speciosa and Bedding Queen, 2-in., $2.50; new double Kathleen Mallard, 3-in., $8 per 100. Vaughan's Seed Store, Chicago and New York.

Lobelia, dwarf or trailing, 2½-in., Crystal Palace, $3 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Lobelia Crystal Palace and trailing, 2¼-in., $2 per 100; $17.50 per 1,000. Moebæk Greenhouse Co., Onarga, Ill.

MOSS.

Sphagnum moss, 5 barrel bale, $1.25; 2 bales, $2.25; 5 bales, $5; 10 bales, $9.50. H. R. Akers, Chatsworth, N. J.

Sphagnum moss in burlay or wired bales. Write for prices. Vaughan's Seed Store, Chicago and New York.

MUSHROOM SPAWN.

Mushroom spawn, Barter's Prolific, wholesale only. Write for prices. John F. Barter, Ltd., Napier Road, Wembley, England.

Mushroom spawn. Johnson's improved. Johnson's, Ltd., 44 Bedford Row, London,W. C., Eng.

Mushroom spawn. English and pure culture. Weeber & Don, 114 Chambers St., New York.

Mushroom spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

MYRTLE.

Myrtle, field-grown clumps, strong, $2 per 100; $17.50 per 1,000. Geo. A. Dhonau, Sta. H., Cincinnati, O.

Myrtle, Vinca minor, 2¼-in., $2.25; 3-in., $3; field grown, $5 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

NURSERY STOCK.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, trees and shrubs, price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Nursery stock, arbor vitæ (Thuya occidentalis) 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, large trees, oaks, maples, pines and hemlock. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, fruit and shade trees, shrubs, evergreens. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. Storrs & Harrison, Painesville, O.

ORANGES.

Oranges, Kinkan. P. J. Berckmans Co., Augusta, Ga.

ORCHIDS.

Orchids, C. Trianæ, C. labiata, C. Schroederæ, C. gigas Sanderiana, C. Harrisoniæ, C. citrina, Lælia anceps, Oncidium varicosum Rogersii, O. ornithorhynchum, O. tigrinum, Odontoglossum Insleayi, O. Rossii majus, also orchid peat, sphagnum moss, baskets, etc. Carrillo & Baldwin, Secaucus, N. J.

Orchids in superb condition. Cattleya Mossiæ, C. Schroederæ, Lælia anceps, Epidendrum vitellinum, etc. Lager & Hurrell, Summit, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England. New York office, room 1, 235 Broadway.

Orchids, prices on cases from $45 to $50 each of 500 strong bulbs or 45 to 50 plants. Ordonez Bros., Madison, N. J.

Orchids, choice assorted flowering, established, $12 per doz. Wm. Mathews, West View Greenhouses, Utica, N. Y.

Orchids. Largest stock in the country. Ask for prices. Julius Roehrs Co., Rutherford, N. J.

If you do not find what you need in our Ready Reference Department, write us about it.

PALMS.

Palms, Kentia Bel., 5-in., $7.20 doz.; 5-in., strong, $9 per doz.; 6-in., $12 per doz.; 6-in., strong, $15 per doz.; 6-in., $1.50 each; $18 per doz.; 7-in., $1.75 each; $21 per doz.; 8-in., $2.50 each; $30 per doz.; 8-in., strong, $4 each; $48 per doz.; 9-in., $6 each. Forsteriana, 5-in., $7.20 per doz.; 5-in., strong, $9 per doz.; 6-in., $12 per doz.; 6-in., strong, $15 per doz.; 7-in., $2.50 each; $30 per doz.; 8-in., $3 each; $36 per doz.; 8-in., strong, $5 each; $60 per doz.; 9-in., $6 each; $72 per doz. Made-up plants, $6 each; $72 per doz. Pheonix Canariensis, in small tubs, $2.50 each. Cycas revoluta, 4-in., 25c each; 5-in., 35c; 6-in., 50c each; 7-in., 75c to $1 each; 8-in., $1.25 to $1.50 each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Palms, home-grown. Cocos Wedd., 2½-in., 8 to 10 ins., 10c each; 10 to 12 ins., 15c each. Kentia Bel., 6-in., 6 to 7 leaves, 22 to 24 ins., $1 each; $12 per doz.; 6-in., 6 to 7 lvs., 24 to 26 ins., $1.25 each; $18 per doz; 6-in., 6 to 7 lvs., 26 to 28 ins., $1.50 each; $18 per doz.; 6-in., 6 to 7 lvs., 30 to 36 ins., $2 each; $24 per doz.; 7-in., 6 to 7 lvs., 32 to 34 ins., $2.50 each; $30 per doz. Joseph Heacock, Wyncote, Pa.

Palms, Kentia Bel., 5¼ to 5½-in., 22, 25, 27 ins., high, 50c and 75c each; 4-in., 20 to 22 ins., 35c and 40c. Kentia Fors., 5 and 5½-in., 50c and 75c each; larger, $1 to $2.50 each. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Latania Borb., 2½-in., $4; 3-in., $7. Vaughan's Seed Store, Chicago and New York.

Palms. P. J. Berckmans Co., Augusta, Ga.

Palms. L. Van Houtte, Pere, Ghent, Belgium.

PANSIES.

Pansies, Boddington's Challenge, in bloom, $1 per 100. W. J. & M. S. Vesey, Ft. Wayne, Ind.

PELARGONIUMS.

Pelargoniums, 3-in., $1.50 per doz.; $6 per 100. R. Vincent, Jr. & Sons, White Marsh, Md.

Pelargoniums, named kinds, 4-in., $15 per 100. Vaughan's Seed Store, Chicago and N. Y.

PEONIES.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Wholesale peony list for fall 1908 is now ready. J. F. Rosenfield, West Point, Neb.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies, leading vars. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunias, double fringed in bud and bloom, 2½-in., $2.50 per 100. The Krueger Bros. Co., Toledo, O.

Petunias, double sorts, 2½-in., $4 per 100. Vaughan's Seed Store, Chicago and New York.

Petunias, California giant, 3-in., $3 per 100. G. Aschmann, 1012 W. Ontario st., Phila.

Petunias, seedlings, $2.50 per 100. Jos. H. Cunningham, Delaware, O.

Petunias, dbl., 3-in., $3 per 100; $25 per 1,000. Perennial Gardens Co., Toledo, O.

Petunias, 4-in., $6 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

POINSETTIAS.

Poinsettias, hard and soft wood, 2½-in. pots, $4 per 100. McIntyre Bros., Florists, Nashville, Tenn.

Poinsettias, 2½-in., $5 per 100; $45 per 1,000. S. S. Skidelsky, 1741 N. 18th St., Philadelphia.

PRIMULAS.

Primroses, Chinese single fringed, $2 per 100. Obconica, alba, rosea, $2. Gigantea and Kermesina, $3. Forbesi, "Baby," $2. Jos. H. Cunningham, Delaware, O.

Primula obconica, 2-in., $3 per 100. Vaughan's Seed Store, Chicago and New York.

RHODODENDRONS.

Rhododendrons. Jacs Smits, Naarden, Holland.

ROSES.

Roses, Mrs. Potter Palmer, 2½-in., $15 per 100; $125 per 1,000; 2,000 or more, $115 per 1,000; 3½-in., $18 per 100; $150 per 1,000. Cardinal, 2½-in., $6 per 100; $55 per 1,000; 3½-in., $8 per 100; $75 per 1,000. Maid, Richmond, Sunrise, Uncle John, 2½-in., $4.50 per 100; $40 per 1,000; 3½-in., Maid, Kaiserin, ready now, $6.50 per 100; $60 per 1,000. Benched Beauties, cut back, $6.50 per 100; $55 per 1,000. Am. Beauties, 2-in., $5 per 100; $45 per 1,000; 2½-in., $5.50 per 100; $50 per 1,000; 3-in., $7 per 100; $65 per 1,000; 3½-in., $8 per 100; $75 per 1,000; 4-in., $12 per 100; $110 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, grafted, Mrs. Jardine, Rhea Reid, Queen Beatrice, $6 per doz.; 50 for $18; $35 per 100. My Maryland, 50c each; $5 per doz.; $35 per 100; own root, 2½-in., $25 per 100; $2 per 10; 3-in., $15 per doz. Standard vars.: Aurora, Bon Silene, Bride, Maid, Enchanter, Etoile de France, Franz Deegen, Gen. MacArthur, Hermosa, Kaiserin, Kate Moulton, Killarney, La Detroit, M. Cochet, M. Niel, Mme. Chatenay, Mme. Hoste, Mrs. Morgan, Gontier, Rosalind Orr English, Wootton, Wellesley, White Cochet, grafted, 2¼-in., 20c each; $2 per doz.; $15 per 100; $120 per 1,000. Own root roses, 2½-in., Killarney, Bride, Bridesmaid, Ivory, Richmond, Chatenay, Aurora, $1 per doz.; $6 per 100; $50 per 1,000; 2-in., $3.50 per 100; $30 per 1,000. A. N. Pierson, Cromwell, Conn.

YOUNG ROSE STOCK.

	Per 100	Per 1,000
Uncle John	$3.00	$25.00
Kaiserin, 3½-in.	5.00	45.00
Kaiserin, 3-in.	4.50	40.00
Kaiserin, 2½-in.	3.50	30.00
Maids, 2½-in.	3.00	25.00
Brides, 2½-in.	3.00	25.00
Richmond, 2½-in.	3.00	25.00
Kate Moulton, 2½-in.	3.00	25.00
500 Killarney	5.00	

WIETOR BROS., 51 Wabash Ave., Chicago.

Roses, $2.50 per 100; Baby Rambler, C. Soupert, D. Perkins, Mme. A. Chatenay, $2.75 per 100; Hermosa, Maman Cochet, Malmaison, Etoile de Lyon, Helen Gould, Lady Gay, M. Niel, Notting, Meteor, White Maman, Albany, La France; $3 per 100; Mme. C. Wood, P. C. de Rohan, Mme. Plantier, Gen. Jacq.; Black Prince, Mme. Masson, Kaiserin, Paul Neyron, $3.50 per 100; Capt. Christy, Magna Charta, Etoile de France, Mrs. J. Laing, Helen Good, Killarney, $5 per 100. J. B. Clark, Druschki, $8 per 100. C. M. Niuffer, Springfield, O.

Roses, in pots and outdoor: Prairie Queen, 3 to 5 ft., 15c to 35c each. Crimson Rambler, 2 ft., 15c. Baby Rambler, 3½-in., $6 per 100. Sweet briar, 2 to 3 ft., 10c to 25c each. One lot of hybrid perpetual, 5-in., asst., pot-grown, $15 per 100. Bride, Maid, Chatenay, 5-in., 3c. Baby Rambler, 3-in., 6c. Uncle John and Chatenay, 1-yr., in flower and bud, 6-in., 15c. Hybrid perpetuals, $15 per 100; $2 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Roses, 2½-in., Bride, Maid, Uncle John, Ivory, Chatenay, $2.50 per 100; $22.50 per 1,000. Sunrise, Kate Moulton, $4 per 100; $35 per 1,000. Richmond, $3 per 100; $25 per 1,000. Killarney, $5 per 100; $40 per 1,000. Bench plants: Richmond, $4 per 100; $35 per 1,000. Am. Beauty, $6 per 100; $50 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Roses, grafted Killarney, Richmond, Bride and Maid, $12 per 100; $110 per 1,000. Own roots: Bride, Maid, G. Gate, Ivory, Perle, Killarney, Richmond, $6 per 100; $55 per 1,000; all from 3½-in. P. R. Quinlan, Syracuse, N. Y.

Roses, grafted, Chatenay, Killarney, Richmond, Liberty, La France, 3½-in., $18 per 100; Bride, Maid, Golden Gate, Kaiserin, 3½-in., $15 per 100; own root roses: Bride, Maid, Killarney, Richmond, Chatenay, 3-in., $7 and $9 per 100. J. L. Dillon, Bloomsburg, Pa.

Roses. Very fine Bride, Maid, Gate, 3-in., $5 per 100; $45 per 1,000; 2½-in., $25 per 1,000. Order sample hundred from Gullett & Sons, Lincoln, Ill.

Roses for forcing, grafted, Bride, Maid, Kaiserin, Killarney, Richmond, Wellesley, $10 per 100; $100 per 1,000. Jackson & Perkins, Newark, N. Y.

Roses, Killarney, Bride, Maid, G. Gate, Ivory, Chatenay, Beauty, Carnot, Richmond, Perle, 2¼ and 3-in. Geo. A. Kuhl, Pekin, Ill.

American Beauties, rooted cuttings, $3 per 100; $25 per 1,000; 2¼-in., $6 per 100; $50 per 1,000. J. F. Wilcox, Council Bluffs, Iowa.

Roses, grafted and own root, Kaiserin, Carnot, Killarney, Richmond, Liberty, Bride and Bridesmaid. W. H. Elliott, Brighton, Mass.

Roses, American Beauty, bushes, bench plants, $6 per 100; $55 per 1,000. Wietor Bros., 51 Wabash Ave., Chicago.

Roses, 1,400 Brides; 1,400 Maids; 800 Gates; 700 Perle, 3½-in., $35 per 1,000. A. Sunderbruch's Sons, Cincinnati, O.

Roses, Kaiserin, 3-in. pots, $4.50 per 100. Wm. B. Sands & Sons Co., Lake Roland, Md.

Roses, grafted Bridesmaid, 3-in., $10 per 100; $100 per 1,000. E. G. Hill Co., Richmond, Ind.

Roses for forcing. W. & T. Smith Co., Geneva, N. Y.

Rose Newport Fairy. Julius Roehrs Co., Rutherford, N. J.

Roses a specialty. The Dingee & Conard Co., West Grove, Pa.

Roses, 400 best sorts, 2½ and 4-in. Leedle Floral Co., Springfield, O.

Roses. James Vick's Sons, Rochester, N. Y.

The American Florist invites attention to the class of business firms in its adv. columns.

SALVIAS.

Salvia Zurich in bud and bloom, 4-in., $6 per 100; 3-in., $3 per 100; 2-in., $2 per 100. The Krueger Bros. Co., Toledo, O.

Salvias, Clara Bedman or Bonfire, 4-in., $7 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Salvias, 2½-in., $3 per 100. West End Greenhouses, Lincoln, Ill.

Salvia Zurich, 3-in., $3 per 100. Perennial Gardens Co., Toledo, O.

Salvias, 2½-in., $4; 3-in., $6 per 100. Vaughan's Seed Store, Chicago and New York.

Salvias, 2-in., $2; 3-in., $3. Best kinds, large. Gullett & Sons, Lincoln, Ill.

Salvias, R. C., $1 per 100; $8 per 1,000. S. D. Brant, Clay Center, Kans.

Salvias, 4-in., $6 per 100. J. P. Hauck, Carrick, Pa.

Salvias, 2¼-in., $2 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Salvia Bonfire, 90c. Byer Bros., Chambersburg, Pa.

SEEDS.

Seeds, Primula obconica, the type, ⅛ oz., 50c; tr. pkt., 15c; grandiflora, mixed, 1-16 oz., $1; tr. pkt., 25c; fimbriata, 1-32 oz., $1; tr. pkt., 50c; Bright rose, 1-32 oz., $1; tr. pkt., 25c; Kermesina, 1-32 oz., $2; tr. pkt., 50c; white, 1-32 oz., $1; tr. pkt., 25c; gigantea rosea, 1-32 oz., $3; tr. pkt., 50c; gigantea kermesina, tr. pkt., 35c. Vaughan's Seed Store, Chicago and New York.

Seeds, bean, beet, cabbage, carrot, kohl rabi, leek, lettuce, onion, pea, radish, spinach, turnip, swede, aster, balsam, begonia, carnation, cineraria, gloxinia, larkspur, nasturtium, pansy, petunia, phlox, primula, scabious, stock, verbena, zinnia, etc. Giant pansy, $5 per oz.; $1.50 per ¼ oz., 75c per 1-16 oz. Henry Mette, Quedlinburg, Germany.

Seeds. Dracæna Australis, $2 per oz.; tr. pkt., $25c; Draco, 50c per oz.; tr. pkt., 25c; indivisa, $1.50 per oz.; tr. pkt., 25c. Incarvillea grandiflora, new $4.50 per oz.; tr. pkt., 50c. Lobelia Hamburgi, tr. pkt., 30c. Primula veris elatior, improved mixed, $2.50 per oz.; tr. pkt., 35c. Tritoma Express, $2 per oz.; tr. pkt., 30c. O. V. Zangen, Hoboken, N. J.

Seeds, Asparagus plumosus nanus, northern greenhouse grown, per 100 seeds, 60c; 250 seeds, $1; 1,000 seeds, $3. Vaughan's Seed Store, Chicago and New York.

Seeds, Asparagus plumosus nanus, 50c per 100; $1.75 per 500; $3 per 1,000. Sprengeri, 15c per 100; 40c per 500; 75c per 1,000. H. H. Berger & Co., 70 Warren St., N. Y.

Seeds. Tomato, the Don, Cauliflower. First and Best, Onion Ailsa Craig. Lettuce, Ideal. Mignonette, N. Y. Market. Weeber & Don, 114 Chambers St., New York.

Seeds, Asparagus plumosus nanus, and robustus, $2 per 1,000. J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds, Asparagus plumosus nanus, per 1,000 seeds, $2. Sprengeri, per 1,000 seeds, 75c. W. C. Beckert, North Side, Pittsburg, Pa.

Seeds of all kinds. H. E. Fiske Seed Co., 12 and 13 Faneuil Hall Sq., Boston, Mass.

Seeds, sweet peas. Anton C. Zvonlanek, Bound Brook, N. J.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

Seed, giant flowering pansy, $4 per oz. Jos. H. Cunningham, Delaware, O.

Seeds, flower and vegetable. James Vick's Sons, Rochester, N. Y.

Seed potatoes, Red River stock. Onion sets, Vaughan's Seed Store, Chicago.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Seeds, all kinds. St. Louis Seed Co., 784-786 N. 4th St., St. Louis.

Seeds, finest strain of pansies. Fred Roemer, Quedlinburg, Germany.

Contract Growers.

Seeds, bean, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, cabbage and cauliflower, Hjalmer Hartman & Co., Stormgade, Copenhagen; 31 Barclay St., New York.

Seeds, lettuce, onion, sweet pea, aster, cosmos, mignonette, verbena. Waldo Rohnert, Gilroy, Calif.

Seeds, growers for the wholesale trade only. Braslan Seed Grower's Co., San Jose, Calif.

Seed beans. F. L. Hogue, Carpinteria, Calif. Grower for the wholesale trade only.

Seeds, garden peas and beans. Rogers Bros., Alpena, Mich.

Seed, Puget Sound cabbage. Chas. H. Lilly & Co., Seattle, Wash.

If you do not find what you need in our Ready Reference Department, write us about it.

SMILAX.

Smilax, myrtle leaved, 3-in., $5; large leaved, 2-in., $2 per 100. Vaughan's Seed Store, Chicago and New York.

Smilax, $1.25. Jos. H. Cunningham, Delaware, O.

Smilax, 3-in., $3 per 100. West End Greenhouses, Lincoln, Ill.

Smilax, $15 per 1,000. A. M. Herr, Lancaster, Pa.

SNAPDRAGONS.

Snapdragons, pink and yellow, 2¼-in., $3 per 100. Poehlmann Bros., Morton Grove, Ill.

SPIREAS.

Spirea Gladstone, extra nice plants for Easter, 6-in pots, 35c each. Memphis Floral Co., Memphis, Tenn.

Spireas. Jacs Smits, Ltd., Naarden, Holland.

STEVIA.

Stevia, dwarf, 2-in., 2c. Byer Bros., Chambersburg, Pa.

VEGETABLE PLANTS.

Vegetable plants: Cabbage: Wakefield, Early Flat Dutch, Early All Head, Early Drumhead, etc.: Surehead Late Flat Dutch, Danish Round and Ball Head, etc., 20c per 100; $1 per 1,000; 10,000, $8.50. Tomato: Stone, Favorite, Paragon, etc., 20c per 100; $1 per 1,000; $8.50 per 10,000. Dwarf Stone, Champion, June Pink and Early Jewell, 40c per 100; $2 per 1,000. Celery: White Plume, Giant Pascal, Gold Heart, etc., 20c per 100; $1 per 1,000; $8.50 per 10,000. Beet: Eclipse, Crosby and Egyptian, 25c per 100; $1.25 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Tomato plants, Stone and Trophy, 75c per 1,000. Shippensburg (Pa.) Floral Co.

Horse radish sets, $3 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

VERBENAS.

Verbenas, all shades, 2½-in., $3 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Verbenas in bud and bloom, 2-in., $2 per 100; $15 per 1,000. The Krueger Bros. Co., Toledo, O.

Verbenas. Geo. M. Emmans, Newton, N. J.

VINCAS.

Vinca variegata, heavy vines, extra strong 4-in. plants, $8 per 100; 5% off for cash, or will exchange for 'mums or ferns. Lozier Floral Co., Des Moines, Iowa.

Vincas, short, 4-in., $12 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Vinca, var., also green, extra heavy 4½-in., 15c; 2½-in., good, 2½c. Cash. L. E. Marquisee, Syracuse, N. Y.

Vinca variegated, 2¼-in., $2; 4-in., $10; 5-in., $15 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Vinca var., 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

Vinca var., 2-in., $2 per 100. The Krueger Bros. Co., Toledo, O.

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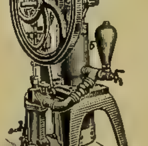

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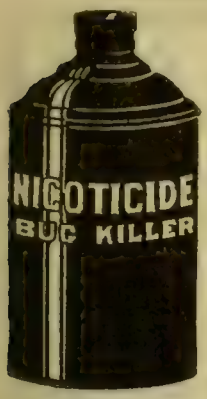

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Louisville.

TRADE VARIABLE.

Business conditions the early part of the week were very good, while in the latter part they were very poor. Roses are very plentiful, of good quality, and find a fair demand. Carnations are plentiful but show the effect of the warm weather. The demand is very poor. Sweet peas have had a demand about equal to the supply, but are now more plentiful. The quality is fair; iris and other hardy stock are in great supply, and find some demand. Water lilies are in good supply, but do not find much demand. Fancy greens are very scarce.

NOTES.

August R. Baumer and Miss Jessie Laufer were married June 11 at Trinity English Lutheran church. Good wishes are with the couple.

Wm. Walker is now located in his new store at 342 West Jefferson street. He is cutting plenty of stock.

Jacob Schulz has just received a shipment of orchids to supply the increasing demand for this flower.

Etheridge, who recently opened a store on Fourth avenue, has moved to Jefferson street.

Frank Farney, of A. L. Randall Co., Chicago, was a recent visitor.

Anders Rasmussen is cutting plenty of good roses.

F. L. S.

PETERBORO, ONT. — Mason's Floral Emporium reports larger sales on bedding plants than ever before, a new double lobelia being an especially good seller in 2½-inch pots. Other local men say trade is exceptionally good.

Hardy Greenery.

Although written from a European standpoint there is much that is suggestive and useful in the following notes taken from a recent issue of the Gardening World.

Some flowers, such as tulips in summer and Lenten roses in winter, are self contained in the matter of greenery; others, again, such as chrysanthemums, look tolerably well without any greenery when arranged in vases, etc. but the majority of flowers have their beauty enhanced by having some greenery or other flowers mixed with them when being manipulated for the decoration of the home. Those possessing greenhouses have the inevitable maidenhair fern, asparagus, and smilax. But even for such, an occasional change is refreshing, and those possessing little or no glass must look elsewhere for supply. In the shops there is generally a scarcity of such materials, and the price of those obtainable is prohibitive for many for ordinary purposes. Anyone possessing even a small garden can, by making some use of the following hints, have plenty of such materials for a great part of the year.

THALICTRUM ADIANTIFOLIUM (Poor man's maidenhair).—This border perennial is little behind the maidenhair fern in attractiveness, and is available for a good part of the summer. It can be raised from seed or by division. Its graceful pale yellow flowers can also be utilized in the same way.

ICELAND POPPIES.—The foliage of these will be found excellent for associating with violas and such like.

AQUILEGIAS.—The foliage of some of these is rather heavy, but that of the glandulosa type will be found highly useful; do not cut the leaves in a too young state or they will fade quickly.

IRIS SIBIRICA.—The recurving grassy foliage of the Siberian iris will be found to go well not only with irises in general but also with the late tulips, and being a strong grower, a plant or two will stand a lot of cutting.

ASPERULA ODORATA (Woodruff).—The slender stems of the common woodruff, with their numerous whorls of bright green leaves, will be found to associate well with not a few low-stemmed flowers.

NIGELLAS (Love-in-a-mist).—The finely cut foliage of either N. Damascena or the variety Miss Jekyll, will compare with any greenery from the open air or under glass, and being hardy annuals, their culture is of the easiest.

ASPARAGUS OFFICINALIS (Garden asparagus).—This can hold its own from a decorative point of view with most of the tender species, and for the purpose we are discussing, requires no special treatment beyond being grown in a fairly rich friable soil, in a corner of the vegetable garden. It is available from the end of June till October.

ROSE LEAVES are undoubtedly best for associating with roses.

MAHONIA AQUIFOLIA is, in the writer's opinion, best for associating with Christmas roses. Sweet peas also look best with their own foliage, but the gauze flower (Gypsophila paniculata) and the annual species, G. elegans, are often used for this purpose. Heuchera gracillima and its varieties are useful for our present purpose, and London pride (Saxifraga umbrosa) is not to be despised.

SALEM, ORE.—Carl F. Ruef is building two new greenhouses to be used for carnations and violets.

NICKERSON, KANS.—This place and Hutchinson were visited with a furious hail storm early in the morning of May 31. Peaches, apricots, cherries and other fruits were knocked off the trees. Gardens suffered. I. J. Byers' farm was in the belt, but his loss in glass was light, owing to his protection with lath shutters.—B.

L. BAUMANN & CO.,

76-78 Wabash Avenue, CHICAGO.

THE GREAT CENTRAL FLORIST SUPPLY HOUSE.

Everything in Florist Supplies such as Baskets, Chiffons, Etc., Etc.

For School closings and June Weddings.

Send for our complete catalogue.

J. SCHROEDER,

— MAKER OF —

Artificial Flowers,

344 Ontario St., CLEVELAND, O.

Grand Rapids, Mich.

BUSINESS ENCOURAGING.

Memorial day and the week preceding it were certainly very encouraging. Everyone was greatly surprised at the amount of business done and, while prices ruled a trifle lower than last spring, everyone is well satisfied with the result. All establishments had all they could handle. Rush orders from out of town came in late in the week which was an indication that business was good everywhere.

NOTES.

The Grand Rapids Greenhouse Co. reports business far beyond expectations, the 25,000 geraniums of which a specialty was made being entirely sold. The new plant, which was begun April 10, was completed and planted May 28 and the company will begin building another section of 25,000 feet for vegetables; also at once at the florist plant on Anton avenue a cement office and one large show house, 28x130.

Jas. Schols reports trade about the same as last year. Mr. Schols left May 10 for a six months' trip through Europe and the Netherlands, his old home. Jas. Schols, Jr., has charge of the business while he is away.

Henry Smith says that he is well satisfied and will have nothing left after orders are all filled. He also says that he has had a very large lot of funeral work the past week.

H. Danhoff reports not nearly enough to go around. His trade is increasing so fast that it will be necessary to build another house this season.

Eli Cross reports about the same as last year and is well satisfied. He had a fine lot of lilies and hydrangeas for May 30, which sold well.

Wealthy Avenue Floral Co. says it had 40,000 geraniums and about all cleaned out, the largest box and basket trade the firm ever had.

Grand Rapids Floral Co. reports being about sold out, and all hands are at bedding in order to close it out as quickly as possible.

Crabb & Hunter Floral Co. reports the largest spring business ever had, and expects to be through bedding by next week.

Bruinslot & Sons report about sold out; everything went good but the price a trifle lower than last year.

Paul Goeble reports a very satisfactory business and especially in geraniums, of which he had 20,000.

Peter Kunst says they have had the best season so far for several years.

N. B.

Cattle Manure In Bags Shredded or Pulverized

Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.

The Pulverized Manure Co., 32 Union Stock Yards, Chicago

Wired Toothpicks

10,000, $1.75; 50,000, $7.50. Manufactured by

W. J. COWEE, BERLIN, N. Y.

Sample free. For sale by dealers.

Florists' Refrigerators

Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCray Refrigerator Co. 760 Mill Street, KENDALLVILLE, IND.

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Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florists' Supplies.

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Successors to Emil Steffens

Manufacturers of Florists' Wire Designs and Supplies. Established 1866.

136-138 W. 28th St. New York City.

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Anything in the line of wire work and designs not listed in our catalogue will be made up promptly on short notice.

H. BAYERSDORFER & CO.,

Florists' Supplies.

1129 Arch Street, PHILADELPHIA, PA.

Send for our new catalogue.

WATER LILIES.

An excellent treatise on this increasingly interesting subject treated from all points of view in a simple, practical and instructive manner. The authors have kept in mind the needs of the amateur grower as well as those of the grower of large quantities. Profusely illustrated. Price $1.17.

AMERICAN FLORIST CO.,
324 Dearborn St., Chicago.

THE WHILLDIN POTTERY COMPANY
THE LARGEST MANUFACTURERS OF
STANDARD FLOWER POTS
PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.

DREER'S
Florist Specialties.
New Brand New Style.
Hose "RIVERTON"
Furnished in lengths up to 500 ft. without seam or joint.
The HOSE for the FLORIST

¾-inch,	per ft.,	15 c.
Reel of 500 ft.,	"	14½c.
2 Reels, 1000 ft.,	"	14 c.
½-inch,	"	13 c.
Reels, 500 ft.,	"	12½c.

Couplings furnished.
HENRY A. DREER,
714 Chestnut St.,
PHILADELPHIA, PA.

MISSION PLANT BOXES.

Are the best and cheapest plant boxes in the market for large plants, boxwoods, bay trees, etc. They are attractive in design, strong and durable. Suitable for either outdoor and indoor use. Write for prices.
WAGNER PARK CONSERVATORIES
Sidney, Ohio.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

Cleveland.

A GOOD DEMAND.

Last week brought peonies in with a rush. They could be bought at any price that suited the purchaser, but this week the cold storage stock had to be tackled in order to get good flowers to supply the great demand, caused by June weddings and commencements. The weather has been very hot and dry for the past week and under these conditions outside stock is suffering more or less. Bride and Bridesmaid roses are very small but of good color; these bring $2 to $5 per 100. Kaiserin proves to be a very desirable summer rose. American Beauty is small and shows evidence of the heat, but it is in brisk demand and brings fair prices. Carnations are good, considering how late it is in the season; however, they are being sold at such ridiculously low prices that much dissatisfaction is expressed by both grower and commission man. Fortunately the growers have commenced to throw out the old plants. Shasta daisies are coming in nicely for weddings, sweet peas are rather soft. Green goods are plentiful.

NOTES.

The Cleveland Cut Flower Co. is handling some exceptionally fine Kaiserin roses from the greenhouses in East Cleveland. This firm has also a good supply of gladioli, which meet with ready sale.

The Cleveland Florists' Exchange has thousands of peonies in cold storage, which were grown by E. A. Reeves at the Lake View nursery.

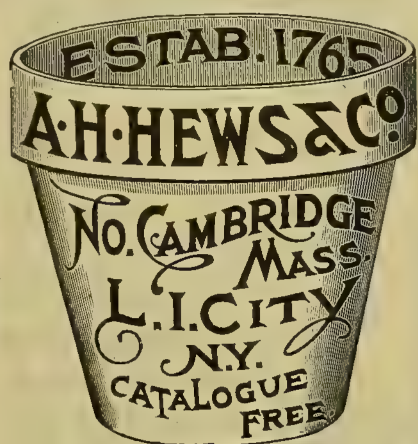
C. M. Wagner, Euclid avenue, had several large weddings last week. Mr. Wagner reports a very satisfactory Memorial day trade.

C. Merkle & Son are sending in some fine Lilium Harrisii.

FORESTER.

THE KELLER POTTERY COMPANY,
Manufacturers of FLORISTS' RED STANDARD POTS.
Azalea Pots, Bulb and Fern Pans, Etc.
Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

The Ionia Pot is the Best Pot.
That's the reason why it was necessary to double our capacity in 1907 to take care of the trade of 1908. Our factory equipment is the best. Our output is the largest.
Hand your next season's order to Uncle Sam today. Our invoice will be in your hands on his return trip.
IONIA POTTERY COMPANY, Ionia, Mich.



Standard Flower Pots!
Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2-in., in crate	$4.88	120 7-in., in crate	$4.20
1500 2¼ "	5.25	60-8 "	3.00
		HAND MADE.	
1500 2½ "	6.00	48 9-in., in crate	$3.60
1000 3 "	5.00	48 10 "	4.80
800 3½ "	5.80	24 11 "	3.60
500 4 "	4.50	24 12 "	4.80
320 5 "	4.51	12 14 "	4.80
144 6 "	3.16	6 16 "	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address
HILFINGER BROS. POTTERY, Fort Edward, N.Y.
or AUGUST ROLKER & SONS, New York Agents
31 Barclay Street, New York City.

GEO. KELLER & SON,
Manufacturers of
FLOWER POTS
Before buying write for prices.
361-363 Herndon Strret
near Wrightwood Ave.,
CHICAGO, ILL.

Price List Standard Red Flower Pots

size	Per 1000	size	Per 1000
1½-in flower pots.	$ 2.50	3 -in flower pots.	$4.50
1¾-in flower pots.	2 60	3½-in flower pots.	6.50
2 -in flower pots.	3.00	4 -in flower pots.	7.90
2¼-in flower pots.	3.50	4½-in flower pots.	10.00
2½-in flower pots.	3.90	5 -in flower pots.	12 00
6 -in flower pots.	20.00		

A. J. MARQUIS, Prop. Middleburg, Ohio.

SYRACUSE RED POTS
DO IT TO-DAY
Send in an order for Syracuse Red Pots. Made of best clay—Made for hard usage—Made by expert workmen—Made to make money for florists.
SYRACUSE POTTERY CO., Syracuse, N Y.

Kramer's Pot Hangers
For Sale by Wholesale Seedsmen, Florists and Supply Dealers.
Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.
I. N. Kramer & Son, CEDAR RAPIDS, IOWA.

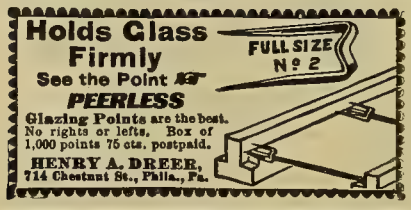
Those Red Pots
"STANDARDS"
FULL SIZE AND WIDE BOTTOMS, BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'F'Y.
HARRY BALSLEY, Rep. DETRIOT, MICH. 490 Howard St.

Florist's Red Pots
OF FINELY PREPARED CLAY.
Process and catalogue sent on request.
The Peters & Reed Pottery Co, ZANESVILLE, OHIO.

Standard Flower Pots
Porosity and Strength Unsurpassed.
Write for Prices.
A. F. KOHR,
1521 Leavitt Street, CHICAGO

BELOIT, WIS.—Frank T. Manahan, florist, has been fined $25 for employing children under 14 years of age.

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty, Lasts longer than putty. Easy to apply.



SIEBERT'S ZINC
Never Rust
GLAZING POINTS
Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes ⅝ and ⅞. 40c per lb., by mail 16c extra; 7 lbs, for $2.50 15 lbs. for $5.00 by express. For sale by the trade

RANDOLPH & McCLEMENTS, Successors to Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.

Nashville.

Among the florists in the market house Saturdays are many who grow a great many plants and flowers, but who do not have up-town stores and come into the market to dispose of them. Probably the leading florists of this class are McIntyre Bros., who have one of the largest establishments around the city. They do a general floral business, selling cut flowers, decorating and making designs for funerals and other occasions. They have always been very successful and have a very large trade. This season they put on the market 100,000 plants for bedding and gardens. These they sold very well, but when the trade became slack they put an assorted lot on wagons and sold them on the streets, which method proved very successful. The firm occupies the stall in the market house once used by the late Jacques Barot, which once was a center of trade and is still successful.

W. F. Jocelyn, who has made such a beautiful spot of the Centennial park and under whose care a fine range of greenhouses has been built, has lost his job there owing to the want of funds in the treasury of the park commissioners. He will go to Chattanooga and engage in park work there.

Arnold Schmidt is a successful grower. His principal product, however, is vegetables, and he only grows flowers as a side line. He is very successful with lilies and chrysanthemums, and is a well known figure in the market house.

Louis Haury & Son are enterprising florists, are growing all the time and extending their capacity annually. They have now 20,000 feet of glass. They do a general floral business, and sell a great many bedding plants.

The Mount Olivet Cemetery Co. has sold a large number of plants in the market this season, though the cemetery itself consumes a large lot of bedding plants.

A. F. Clemens has been employed by the Ladies' Hermitage Association to clean up and trim the old fashioned flower garden and get it in good shape.

M. C. D.

Attention!! Glass Buyers!!

WHILE IT LASTS.

A limited stock of highest quality HAND-BLOWN GREENHOUSE GLASS at the following RECORD-BREAKING PRICES:

	Per box.		Per box.
16x18 A, Double Strength	$1.96	16x24 A, Double Strength	$2.11
16x18 B, " "	1.82	16x24 B, " "	1.96

F. O. B. Chicago. Net cash. Mention prices when ordering.

H. M. HOOKER COMPANY,
WHOLESALE GLASS AND PAINTS,
Long Distance Phone Monroe 4994.
120 to 128 W. Washington St., Chicago.

We will stake our
IMPROVED METHOD OF
HEATING
against any other steam or Hot water system of heating on every point necessary for a satisfactory heating system.

We secure a greater flexibility of the heating medium, also secure economy in installation and in fuel for operation.

We guarantee users of our systems against infringements.

SIMONDS HEATING & SPECIALTY CO.,
103 Washington Ave., DETROIT, MICH.

The James H. Rice Co.
IMPORTERS and JOBBERS
GREENHOUSE GLASS
A SPECIALTY.
Window Glass, Paint, Putty, etc.
Office and Warehouse: Corner of Michigan, St. Clair and Illinois Streets, CHICAGO.

SPRAGUE, SMITH CO.
Jobbers of WINDOW GLASS.
GREENHOUSE GLASS
A SPECIALTY.
167-169 Randolph Street, CHICAGO.

GRAFTON, MASS.—Thomas Hesky, Sr., former manager of the Norcross and Stratton greenhouses, has gone to Marlboro, where he will run the Lewis greenhouses.

ROCHESTER, N. Y.—Landscape Architect Olmsted was in the city June 2, and went with Superintendent Laney, Commissioner Riley, Engineer Henry T. Brown and other park officials to the Durand-Eastman park for the purpose of making plans for roads in the park. It is not probable that much will be done in the way of laying out roads and driveways this year, on account of lack of funds. Mr. Olmsted's report will be of value, the committee believes, in the work planned for the future.

STENZEL GLASS CO.,
GREENHOUSE GLASS.
French and American "WHITE ROSE" Brand.
2 Hudson St., NEW YORK.

DAYTON, O.—Trade matters in general were given attention at a meeting of the Florists' Club June 1 at the J. F. Young establishment on East Fifth street. Contrary to expectation, no proposition to unite with the proposed federation of local improvement and welfare societies was presented.

STEEL RETURN TUBULAR

Steam BOILERS Water

WHAT F. R. PIERSON SAYS:

JOHNSTON HEATING CO., New York City.
Gentlemen —The internally fired steel boilers which you installed last fall are giving us great satisfaction. They heat very quickly and are very economical. We are exceedingly well pleased with them and they have more than met our expectations. Very truly yours, F. R. PIERSON CO.

Johnston Heating Co., 138 East 31st. St. NEW YORK CITY
Write for catalogue and prices.

Superior to All Others
FOR HOT WATER HEATING.

Superior Machine & Boiler Works
125 W. Superior St., CHICAGO, ILL.
Write for prices and catalogue.

New Dust-Killing Machine.

Consul-General Robert J. Wynne reports that a new tar-spraying machine, which the makers claim will do away with the dust nuisance, has been tested on the roadway in front of the Horticultural Hall, Westminster, London, before practically the whole of the municipal engineers, a large number of county surveyors and suburban engineers and two representatives appointed by the war office.

After the tar-spraying process a second machine scattered a level layer of granite grit and chips upon the tar, which, when rolled, formed a road with a fine, smooth surface, durable and dustless. A tar macadam road made in this way costs from 3s. 6d. to 4s. (85 to 97 cents) a square yard, as against ordinary macadam, which costs on an average 2s. 6d. (60 cents) a square yard.

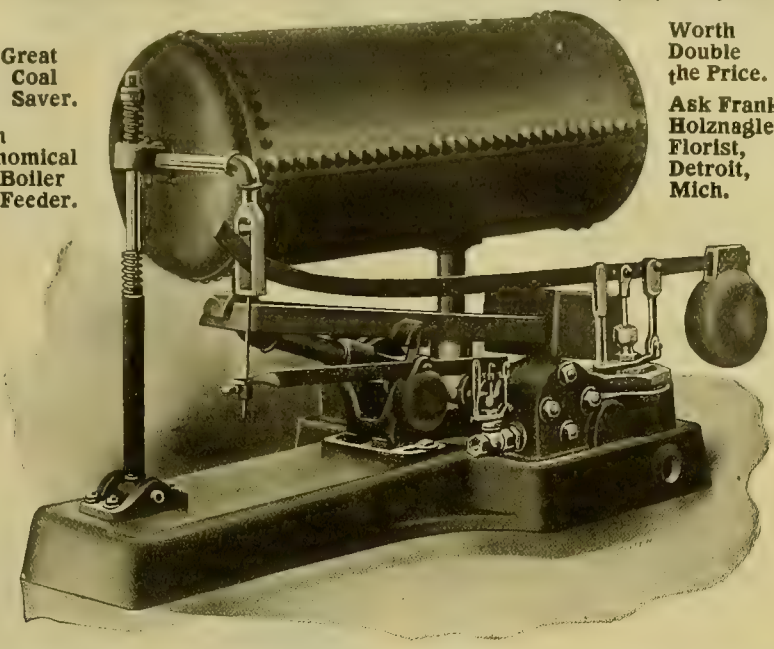
HAMILTON, ONT.—Exceptionally good business is reported by the Connon Floral Co. This firm is going in more extensively for plant growing, using some of the houses formerly devoted to cut flowers for the purpose.

"DETROIT" AUTOMATIC RETURN STEAM TRAPS.

For Steam Heated Greenhouses. "Detroit" Traps will keep entire system free from water at all times, making every foot of heating surface hot and efficient, returning **automatically** all water of condensation directly into the boiler—hot—and **without a pump or injector.**

A Great Coal Saver.

An Economical Boiler Feeder.



Worth Double the Price.

Ask Frank Holznagle, Florist, Detroit, Mich.

Write us number of feet and size of pipe in your greenhouse. IT WILL PAY YOU.

AMERICAN BLOWER COMPANY, Dept. A. F., **Detroit, Michigan.**

Cypress Hot Bed Sash, 90c

This Hot Bed Sash is absolutely brand new and first-class in every particular. We bough 5000 of them at a sale and give you the benefit of our low purchasing price. This sash is 3x6 ft., 1¾ in. thick 4 rows 7-in. glass. dozen lots, 90c each. When ordered in single lots, 95c each.
We can also furnish glazed sash $1.60 each, in dozen lots, or $1 65 each in single lots.
We offer 2 000 **Western Pine Hot Bed Sash,** brand new, unglazed, in single lots, at 90c., or in lots of one dozen, each, 85c. Glazed, in single lots, $1.60: dozen lots, $1.55.

5,000 ft. of 3-4 in GARDEN HOSE
4c per ft. Brand new **"Competition" Garden Hose,** size ¾-in., 50 ft. lengths with couplings, per length, $2 00. Standard grade guaranteed **Rubber Garden Hose,** ¾-in., 50 ft. lengths with couplings 3-ply, per ft., 7c; 4-ply, per ft., 9c; 5 ply, per ft., 10c. **Lawn Sprinklers,** 25c. **Hose Reels,** 75c.

PIPE 100,000 ft Standard Pipe in good condition. We cut and thread to order. Write for special list.

BOILER FLUES With special threads and couplings. Can be used same as threaded pipe with calked joint greenhouse fittings at the end of run. Same strength as wrought iron pipe at half the price. All sizes.

BOILER TUBES 10 carloads of 4 in. Boiler Tubes in good condition. Just the thing for heating or re-tubing boilers. Other sizes at special prices. Send for complete list.

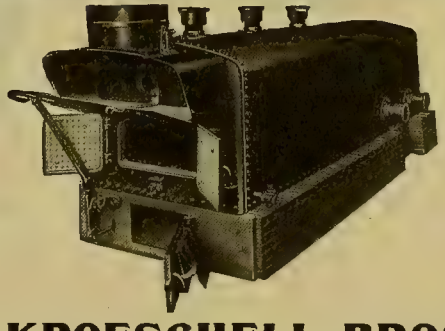
GREENHOUSE BOILERS Complete line of Locomotive Fire Box Boilers Kroeschell Greenhouse Boilers, Return Flue Boilers, Cast Iron Sectional Boilers, etc.

HARDWARE Everything in the line of Building Hardware, Wire and Wire Fencing, Bolts, Hatchets, Hammers, Axes—everything needed in the home, the field or the greenhouse.

PAPER FLOWER POTS Just the thing for shipping. We will close out 500,000 of these at very low prices. Write for quotations.

Be Sure and Write for Onr Latest Catalogue No. 47 To-day.
The greatest book of bargains ever issued.
We Save You 30 to 50 Per Cent on Every Purchase.

CHICAGO HOUSE WRECKING CO.,
35th and Iron Sts., CHICAGO.



SEE HOW WELL THEY LIKE ME

150 New Establishments with 2,158,000 square feet of glass have installed this boiler in 1906.

Ask for list of users and get acquainted with the men who know.

Catalogue and prices on application.

KROESCHELL BROS. CO., 45 Erie St... ...CHICAGO.

Louisiana Red Cypress

"THE WOOD THAT WON'T ROT."

There is a test which every florist can make on his greenhouse and hotbed material, i. e., the test of **Durability.**

Try Cypress, the wood that has been tested.

IT IS THE MOST DURABLE WOOD KNOWN. Ask about it at your local lumber yard or write

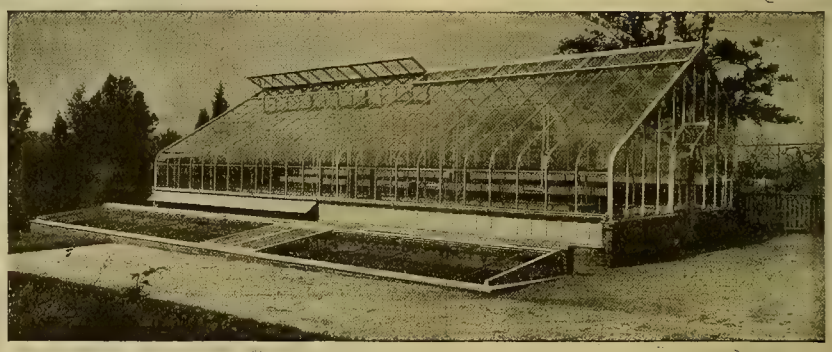
LOUISIANA RED CYPRESS CO. HIBERNIA BUILDING, **New Orleans, La.**

Heating Apparatus Unsatisfactory.

ED. AMERICAN FLORIST:

My hot water heating system has not given satisfactory results. Will you kindly aid me in detecting and removing the difficulty? I have a range of three houses, as in accompanying diagram, each 100 feet long; two are 18 feet wide and one 12 feet; side walls are 3½ feet, no glass in sides. In each of the 18-foot houses there is one 4-inch flow and six 3-inch returns, boiler flues; in the narrow house there is one 2½-inch flow and five 2-inch returns. The expansion tank is near the boiler and there is a good regular fall all the way back to the boiler. The water leaves the boiler by one 4-inch pipe and returns by a similar one. The boiler is a return tubular one, rated at 35 h. p., containing 42 3-inch flues. The return pipe is on a level about one foot lower than the top of the boiler, bottom of boiler being about three feet lower than return pipe, but the return is carried under the boiler before entering boiler. With this system I find it difficult to keep a temperature of 50° in zero weather. Would this boiler, if working to its full capacity, properly heat these houses and another 30x106 feet? I have thought that possibly more piping is needed, but those I now have do not heat as readily as they ought. I have thought also that if the boiler was set lower it would do better, but cannot drain the pit if dug deeper. A.

While the question states that it is difficult to maintain a temperature of 50° in zero weather, it does not tell if that is the temperature desired. If the rating given is correct the boiler can readily heat the present houses and another of the size mentioned to 60° if desired. There may, of course, be some defect in the arrangement of the piping that is not made clear by the data given, but there are at least two things that are mentioned which would account for most of the trouble. The amount of radiation mentioned is sufficient to provide a temperature of 50°, and in the larger houses it should be possible to secure 55°, provided everything else is properly adjusted. One thing that prevents the securing of a good circulation is that the boiler and piping are so nearly of the same level. If it is not possible to lower the boiler it may be that the heating pipes can be raised, which will have the same effect. An elevation of the returns of one foot would have a very marked effect, and the circulation would be benefited if the flows could also be raised from one to three feet. The other respect in which a change is desirable is in the size of the main flow and return pipe. While a 4-inch pipe might answer were the coils considerably elevated or of a smaller sized pipe, it will at best only give a slow circulation in the present radiation. It would be best if the flow and return pipes to each house could be carried to the boiler at full size, but it would probably answer if the main now in use supply the 12-foot and one of the 18-foot houses, and a 3-inch (or, better yet, a 4-inch) flow and return be run from the boiler to the other house. A 4-inch flow and return should be used for the proposed house. For the coils in this house use five 2½-inch flows and ten 2-inch returns if 50° will answer, or six flows and 14 returns if 60° is desired. L. R. T.



They Are Perfectly Ventilated

by an easily operated apparatus that opens the sash at the ridge or the sides under the benches.
Of special superiority is our method of under the bench ventilation, and we will gladly tell you why. Lightness, strength, durability, simplicity, attractiveness, increased productiveness and low cost of maintenance are other points to keep in mind.

The ideal construction for private estates, parks, public institutions and florists' showrooms

Send for Catalog.

U-BAR GREENHOUSES

PIERSON U-BAR CO.
DESIGNERS AND BUILDERS 1 MADISON AVE., NEW YORK

Greenhouse Material of Louisiana Cypress and Hot Bed Sash Washington Red Cedar

GREENHOUSE HARDWARE AND POSTS. PATENT V AND U GUTTERS
OUR GRADES INVARIABLY THE BEST. OUR PRICES RIGHT.

Write for Catalogue and Estimate, when figuring on your new houses.

A. DIETSCH CO., 617 Sheffield Ave., CHICAGO

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXX **CHICAGO AND NEW YORK, JUNE 20, 1908** **No. 1046**

THE AMERICAN FLORIST

TWENTY-THIRD YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—FRANK H. TRAENDLY, New York, Pres.; W. N. RUDD, Morgan Park, Ill., Secy.; H. B. BEATTY, Pittsburg, Pa., Treas. Next meeting at Niagara Falls, N. Y., August 18-21, 1908.

TRADE EXHIBITION MANAGER—Chas. H. Keitsch 210 Main St., Buffalo, N. Y.

THE NATIONAL FLOWER SHOW.

CHICAGO, November 6-15, 1908.

Wm. F. Kasting, Buffalo, N. Y., is chairman of the general committee in charge. Chairmen of sub-committees follow:

EXECUTIVE AND FINANCE—Wm. F. Kasting, Buffalo, N. Y.

AMERICAN EXHIBITS—Ph. Breitmeyer, Detroit.

FOREIGN EXHIBITS—E. G. Hill, Richmond, Ind.

PREMIUM LIST—W. N. Rudd, Morgan Park, Ill.

ADVERTISING AND PUBLICITY—Geo. Asmus, Chicago.

LOCAL MANAGEMENT, PRIVILEGES AND CONSESSIONS—J. C. Vaughan, Chicago.

SPECIAL FEATURES—Otto G. Koenig, 6471 Florisant Ave., St. Louis, Mo.

RECEPTION—Aug. Poehlmann, Morton Grove, Ill.

AUDITING—J. A. Valentine, Denver, Colo.

TREASURER—I. C. Bertermann, Indianapolis, Ind.

The above chairmen have power to select their Various committees from the general committee of 50 or the members of the S. A. F. at large.

THE AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Annual convention at the twin cities, St Paul and Minneapolis, Minn., August 11-14, 1908. JOHN F. COWELL, Buffalo, N. Y., president: F. L. MULFORD, Harrisburg, Pa., secretary-treasurer.

AMERICAN PEONY SOCIETY.

Fifth annual meeting at Ithaca, N. Y., June 19-20, 1908. C. W. WARD, Queens, N. Y., Pres.; A. H. FEWKES, Newton Highlands, Mass., Sec'y.

Der Doppelganger.

The Fisher—"Thankee, sir; that drop o' ale's made me feel another man—but 'e's a wery dry 'un, too."—The Tatler.

SUGGESTIONS FOR CUT FLOWER GROWERS.

Antirrhinums.

Where there is not sufficient stock of these useful flowers, cuttings may still be inserted that will make good plants for flowering late next spring. Continue to pot the earlier raised cuttings as they are rooted and stand the plants outside or in a protector. See that the earliest rooted plants are not allowed to suffer for want of water and if it is seen that the pots they are growing in are not sufficiently large to carry them until the benches are ready for them in September or October, let them have a shift before they get potbound.

Asters.

Too often growers are satisfied to plant out their asters in May and leave them to get along as well as they can without much further attention. But the gain is considerable, both in quality and number of blooms produced, when the soil is carefully cultivated and mulched and the plants watered when necessary. A mulch of about two inches of mixed dry soil and manure should be applied now and, as the buds show, these should be thinned considerably, throwing the strength of the plant into those remaining and insuring large flowers with good stems.

Cypripedium Insigne.

The plants of this useful cypripedium will by now have finished their growth or nearly and if they have been growing in heat they will be better out of it now. When frames have been cleared of bedding plants they should be thoroughly cleaned and a floor of clean ashes put in if needed and the cypripediums stood on this. Before standing them give a good sprinkling of soot and lime and damp the frame thoroughly. A light shade of muslin or some such goods must be used at all times when the sun is on the frames but means must be taken to keep it off the glass so as to allow of a current of air beneath it. Here the plants may remain for the rest of the summer. They must not be dried as, although little apparent growth is going on, the roots are active and the embryo flowers are forming. There is no comparison between the health of plants so treated during the summer and that of others kept in stuffy hot houses, and the same treatment is good for Cœlogyne cristata.

Freesias.

The earliest consignments of freesias will soon be in and if the bulbs are well ripened the sooner they are planted or potted the better. The distance they are placed apart will depend upon the size of the bulbs, but it is best not to crowd them unduly. Two inches apart in the rows and the rows three inches apart is a good distance for strong bulbs in flats or benches, while a similar distance or a little closer will do for those potted. After potting or placing in flats, keep them quite cool, in any shady corner where they may be covered with ashes until established. When planting, the tip of the bulb should just show out of the soil; they do not thrive so well when deeply planted. This early planting is desirable where early flowers are needed, as freesias cannot be successfully forced. They require cool conditions right along.

Peonies.

After the flowers have been cut the plants must not be neglected. Too often they are left quite alone, the growths falling over and the roots starved, yet the plants are expected to do well. Young stock growing on for next season's cutting will not have been cut so hard as the older plants, if at all, and although the apex of growth has been reached, yet much may be done by mulching and cultivating, and even watering and feeding in some instances, to induce the swelling up of fine healthy crowns that will flower abundantly next season. And the same is true of the older plants that have stood the strain of flowering and severe cutting. A stout string or wire, tied to stakes every 10 feet or so and run around the beds, will prevent the falling over of the growth, which is very detrimental, while anything that is going in the way of liquid manure can be used now with benefit to the plants. Label the kinds that are to be most freely propagated owing to their superior qualities as cut flowers and in the meantime prepare the beds with especial care where the divisions have to be planted in September.

Held Over Roses.

Any benches that it is decided to hold over should be dried a little now, not severely, but sufficient to check the growth and bring the plants into a quiescent stage for a few weeks previous to pruning. Although there is no violent hurry for this, yet any benches that are not required may be left to be cut back the earilest, while others that may be producing good flowers may be left longer. Withhold water from those selected by degrees; to suddenly dry the benches would lead to the foliage drying up and the wood shriveling. This is not the object in view and it would be far better to cut them back while still green and growing than to do this. The idea is to gradually bring the plants to a state of rest and, while drying the roots, it is good practice to spray the upper portion of the stems slightly on bright days. This gradual hardening up of the growth will take about three weeks, when all weak and dead wood can be cut clean out and the strong shoots cut back as necessary. The pruning of roses at this time is not easy to describe, though those who have a little experience in it find it easy enough to decide how to cut back. Stout, well ripened shoots with that bronzy appearance that denotes good culture may either be cut back or bent over to break along their entire length; they do well either way. But the sappy, green wood has to be cut back hard or the shoots produced will be pithy and useless. All decayed rubbish and leaves should be removed and, unless the roots are very near the surface, the soil should also be removed for a couple of inches, down to healthy roots, in fact, its place to be taken by a mulch of good soil and manure in equal parts. A liberal sprinkling of bone meal before placing the mulch is also helpful. Give one good soaking of water to settle the soil and afterwards depend more upon frequent spraying to insure a free break, watering the roots but slightly until there is again a good head of foliage on the plants.

Asparagus Filicinus.

This is a slender-stemmed, erect-growing species that is particularly elegant and beautiful. It is bright green, and the growths spread out frond-like. The little leaf-like blades are practically all on one plane, and do not surround the stem, as in A. Sprengeri. The species is Himalayan.

Gold Medal Floral Design.

The accompanying illustration shows the design made by Louis Motroni of San Francisco, Calif., and which was awarded a gold medal at the recent flower show there. It represents an old-fashioned well with windlass and buckets and was carried out principally in ferns, lycopodiums and colored foliage, very few flowers being used.

RETAIL STORE OF HENRY MORRIS, SYRACUSE, N. Y.
Window Display of Peonies.

A Republican Banquet Decoration.

A notable dinner was that given in Chicago on June 8 by the national republican committee in honor of Chas. Dawes. It was given in the Auditorium Annex ball room and the decorations were by Hauswirth. On one side of the room was a formal garden. A bed in the center of a plat of green moss was of pandanus and geraniums, with a boxwood edging. The border of the entire affair was of geraniums and boxwood. Bay trees and festoons of Asparagus plumosus helped out the effect. There were 14 tables, seating eight persons each, besides the speakers' table, at which sat 27 persons. Each table had a center piece of Humei peonies, and the speakers' table carried, as well, several huge urns of the same peonies. These flowers were also strewn loosely on the tables.

THE CARNATION.

CARNATION LADY BOUNTIFUL was well shown at the recent great Temple exhibition in London by W. H. Page, of Hampton, Eng.

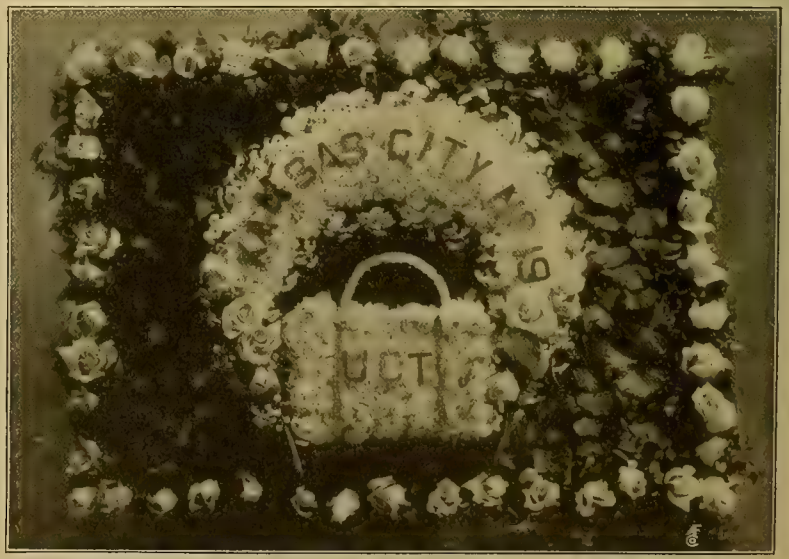
WHEN complaining of the low price of carnations, growers do not, at all times, take into consideration the short time it takes the flowers to develop now.

Notes in Season.

CARNATIONS.

Every year sees an increase in the number of growers who keep at least some of their stock under glass the whole year round. There are some varieties that undoubtedly do better this way than when planted in the field and again disturbed for autumn planting. The one danger of indoor stock is planting in houses that have not been thoroughly cleaned. This cleaning is just as important as with outdoor plants and if it has not been carried out it should be seen to at once, benches, roof, walks and glass coming in for a thorough and systematic cleaning on the lines frequently laid down in these columns.

We advised, earlier in the season, planting in the benches at half distance any plants that were likely to become pot-bound before the time for permanent planting. This allows some at least of the old plants to remain as long as they are profitable and as soon as they are thrown out the benches may be put in order and the plants set out at proper distance. This will vary a little, according to the variety, but rather less room may be allowed than for field grown stock and 10 inches is ample for most kinds. After planting give each a thorough watering, and, as the plants are larger, the roots will need more moisture than small stock. Still it is better not to moisten the whole of the bench at once, so watering individual plants should be the rule for some time after setting them out. Otherwise the culture is not greatly different from that of field grown stock, though naturally the plants, not having large heads to keep going and being, moreover, used to the conditions under glass, will not need so much spraying, shading or artificial moisture. As they become established keep the surface soil stirred



DESIGN BY ALPHA FLORAL CO., KANSAS CITY, MO.

BANQUET OF NATIONAL REPUBLICAN COMMITTEE TO CHAS. DAWES, AT CHICAGO, JUNE 8, 1908,
Partial View of Decorations by Hauswirth, Chicago.

on the benches and by degrees increase the area watered around each plant until the whole bench is watered in the usual way.

The plants in the field look very well this season and it is a pleasure to be among them for the necessary stopping, weeding and soil cultivation. No hard and fast rule can be laid down for topping. It has to be done regularly, as it becomes necessary, until a good plant with plenty of strong, sturdy shoots is obtained. Here again the habit of the variety has to be considered, as the bushy growers make a fine plant naturally with practically no pinching, while there are others that have to be regularly pinched to induce anything like a sturdy, shapely specimen. Frequent hoeing, if the plantation is small, or cultivating if larger, serves to keep down weeds and produces a good tilth which does not dry out rapidly. Watering, at the best, is but a poor makeshift and if the plants can be kept going by good cultivation this is a far better plan.

Remedy for Carnation Rust.

ED. AMERICAN FLORIST:—

Please give me a remedy for rust on carnations. L.

We are not troubled with rust nearly as much as a few years ago. Closer attention to the plants' needs by careful watering during dark weather, providing wholesome, clean surroundings, together with not overloading the soil with fertilizers has reduced the rust problem to a minimum. The variety Victory has been the only one that we have had any trouble with from this cause the past season. Considerable rust developed on this shortly after planting, but we gave the plants a light dusting of sifted lime and sulphur over the affected parts, which quickly dried up the rust spores.

C. W. JOHNSON.

Red Spider on Carnations.

ED. AMERICAN FLORIST:—

What is the best remedy for red spider? During the winter months I fumigated once a week with tobacco stems and have had no trouble with insects, but during the warm spell some weeks ago my Enchantress carnations have become infested with red spider. Victory, grown in the same house, is free from insects. I have kept the ventilators open, damped the ground under the benches and sprayed the foliage on bright days. I have fumigated three nights in succession, but still on the leaves, buds and petals of the blooms, red spider is noticeable. E. H.

The variety Enchantress is one of the varieties of carnations most susceptible to red spider attacks. Being grown in the same house with Victory I am of the opinion that the temperature has been higher than Enchantress cares for. Fumigating with tobacco stems has not proved very effective with us for removing red spider; we use nicoticide for keeping this and other pests down. By painting one of the steam pipes with the preparation about every 10 days we have very little trouble from this source. But if we find spots where the spider has made its appearance we mix a little nicoticide in water, just enough to lightly color it, and spray the affected plants. Spraying with salt water is also a good remedy, but do not use it too strong or it will discolor the petals of the flowers; add just enough salt to the water to make it taste.

C. W. JOHNSON.

Manure for Carnations.

ED. AMERICAN FLORIST:—

Is cow manure more satisfactory for carnations than horse manure?

E. H.

Yes, cow manure is much more satisfactory than horse manure for carnations. Horse manure is quicker in action, but it has not the staying power which cow manure has. C. W. JOHNSON.

WYOMISSING, PA.—Hundreds of people visited the magnificent peony field of Burgess B. H. Farr, on Dauphin avenue. Heck Bros. are doing some elaborate work for Ferdinand Thun, at Reading and Penn avenues.

MADISON, N. J.—The Brant-Hentz Flower Co. has been incorporated under the laws of New Jersey to deal in cut flowers, plants and nursery trees and do decorating and landscape gardening. The company will pay special attention to the wholesale flower trade. Henry Hentz, Jr., will be president of the new company and Elwood Brant, treasurer. The principal office and greenhouses will be in this city. Mr. Hentz is well known for his success as a grower of roses. Mr. Brant is also a successful florist and is the present owner of the property and greenhouses on Shunpike road to be acquired and extensively improved by the company.

THE ROSE.

MADAME CHATENAY is proving a good summer rose in many places this year. Growers should note that the young growth of this variety is very apt to be burnt by bright sun, and a light shade is an advantage in very hot weather.

Notes in Season.

The time is now at hand to do all of the indoor rose planting, and enough extra help should be secured, if necessary, to wind this work up quickly, as it is most essential to have the planting finished by June 30. This will allow the plants sufficient time to grow into sturdy stock by September 1-15. If properly cared for during this time some marketable flowers may be cut by the latter date without reducing the size of the plants materially. It is rather a hard proposition to introduce in these columns any new methods of culture for the indoor roses as the work has been practically the same for a number of years, and the best one can do is to repeat what has been said before in reference to the work, chiefly for the benefit of those that are more or less unfamiliar with modern methods of planting and its essential details.

To begin with the old soil should be taken from the benches, the benches well repaired and the whole house or range thoroughly cleaned, even under the benches after cleaning them so as not to have any of the good soil become mixed with the old soil that has sifted through. If this is done there is no good soil wasted.

Be generous with paint and lime wash and when filling the benches or beds be sure to have the soil evenly mixed and finely pulverized, as it is being wheeled into the houses. It should be turned by hand and the roughest of the soil kept at the bottom. The raised beds should contain from 4½ to 5½ inches of firmly packed soil before beginning to plant, using 5½ inches for grafted stock and 4½ inches for the own-root plants. Bride, Bridesmaid, Golden Gate and Uncle John, grafted plants, should be planted about 16 inches apart in the rows and about 14 inches between rows. Plant all grafted stock with the splice just below the surface of the soil, and be sure to pack the soil firmly around the plants, leaving a saucer shaped depression around the base of each plant, so as to be able to give each one just what water it may require. They are never of one size throughout the whole house, and some will require less water than others and by watering near the plants, the soil between them is kept fresh until the roots reach out for more food. Until then it is not necessary to level up the beds or to fill in around the plants.

We usually prefer to plant Richmond and Killarney somewhat closer in the rows than other varieties, especially Killarney, which has a very upright style of growth, and as Richmond can stand thinning out now and then it will take less room. We find 14 inches between the plants in the rows and 12 inches between the rows—if kept properly tied—will give these two varieties plenty of room. Grafted plants should be staked and tied immediately after planting or many will be broken at the splice in the act of syringing, and although the stocks on own roots may not break off under the water pressure, the foliage soon shows signs of red spider and green fly, if not staked soon after planting. We often receive inquiries in regard to stock being carried over the second year on raised benches or solid beds and we prefer the second year stocks to anv if grown in solid beds or ground beds.

Bride, Bridesmaid and Golden Gate require practically no rest. Prune carefully and remove all dead wood and weak blind growth, but do not cut back hard. If the plants have not sufficient head room they can be bent down and fastened to running wires, bending them over about 12 inches from the soil and distributing the wood evenly over the wires the same as one would train a grape vine over a trellis. This equalizes the flow of sap and often gives better results than letting them grow upright the second year. Remove the surface soil without disturbing the roots and mulch the beds with half fresh loam and half cow manure, mixed evenly, to which may be added some good finely ground bone. Level up the beds with this and tamp the soil firmly level at the surface and water sparingly until the new growth shows vigor and good color.

If one has exceptionally strong plants on the raised benches and wishes to carry them over, the same method as prescribed above can be closely followed with the exception of the amount of new soil added. The bench plants will require at least three inches of the old soil removed filling this space with the mixture mentioned above. Richmond and Killarney we always rest up considerably and prefer to cut them back to good strong wood about a foot from the soil in preference to bending them over. American Beauty, if rested and cut back often, makes fine stock for cutting the second season; it all depends on the skill of the grower. Plants taken from raised benches and transferred or transplanted in fresh soil in solid borders are about the most satisfactory. This system is also economical as it lessens the amount of plants to be propagated annually and is very suitable for the grower with a medium sized range of glass. This, in fact, has become almost universal among the rose growers. To repeat, get the planting done early in June and take great pains with the work, plant firmly and avoid planting any thing but healthy stock even if it has to be bought. No greater mistake can be made than to plant a weak, poorly rooted rose and it is not economical; whatever is done for the rose, let it be done well.

E.

FINE STANDING WREATH BY F. E. BUTLER FLORAL CO., CHICAGO.

Using Violets, Lily of the Valley, Bride Roses, Narcissus, Cycas Leaves and Leucothoe Sprays

F. R. Pierson Co., Scarborough, N. Y.

The Scarborough, N. Y., range of the F. R. Pierson Co., always an interesting place to visit, has in these June days the additional charm of a great display of peonies and other outdoor flowering stock. Among the 60 odd varieties of peonies may be found the best specimens of this splendid family and the daily cut when gathered and ready for shipment is delightful to the eye of the fancier. The 58-acre tract on which a nursery has been established, is being constantly improved along systematic lines, and exceptionally fine lots of blue spruce, maples, beeches, rhododendrons and many other varieties of trees and shrubs may be seen.

When this land came into the possession of the F. R. Pierson Co. it was in an unbroken and neglected condition, but it is now being rapidly placed under a high state of cultivation and still greater improvements are planned. The nursery is on a gentle slope, overlooking the Hudson river, and the scenic beauty is unsurpassed by any other section of that noted region. One of the contemplated improvements is the construction of a drive that will greatly facilitate business and add materially to the beauty of the place.

Though the quality of greenhouse flowers has been waning with the season, carnations, on June 8, at this range made a very creditable showing. As near 50,000 blooms had been cut in the preceding week, it will be readily seen that they were well up to the mark in quantity. Of these a large proportion were Winsor, which proves good in all seasons when anything can be expected of a carnation. Though we have passed through a dull season in cut flowers, no hard times talk is heard at the Pierson range.

In his usual optimistic frame of mind, the genial head of the firm is too busy with the work of the present and plans for the future, to talk hard times. A large stock of young carnation plants is now growing in the field and the houses will soon be cleared of old stock and put in condition for planting. The American Beauty rose section is in fine condition and there are daily shipments of good stock. Both pink and white Killarney will this year be extensively grown in addition to American Beauty.

Cleaning Greenhouses and Boilers.

If the boilers are not as yet cleaned up since last spring, do so on the first rainy day. Boilers should always have a thorough cleaning after firing for the season stops. The old ashes, clinkers and dirt should never lay any length of time to start rust and decay. Clean thoroughly any and all flues, scrape off and take out all clinkers attached to sides of fire box, take out all grate bars and clean them, brush out fire box and ash pit with a good stiff broom or brush. Also take down smoke pipe from boiler to chimney and clean and put away. After all is clean, put the grate bars back in and give all exposed parts of boiler a thorough oiling or greasing, or, if preferred, paint with linseed oil and lamp black. By doing this thoroughly each season we get longer life and better service from the boilers.

PAINTING.

If the houses are old and drippy, they will need painting. First go over them and reglaze all that need it. Have the paint good and heavy, about the consistency of molasses is best for greenhouses on the outside, to fill up all cracks; scrape each bar with a stiff brush or a putty knife to clean off all loose and curled up old paint scums, apply the paint and work it well in by moving brush back and forth two or three times, and be sure to fill up all cracks. At least every two years the outside of the house should have this attention; the inside does not need painting so often. All loose ends of boards, siding or bars that are seen must be fastened at once. A stitch in time saves nine, and if these loose ends are left they soon run into many dollars in repairs. Be sure to scrape and clean all gutters and give them an extra coat of paint. Do not allow dirt or scum to accumulate in either the outside or inside gutters, as it stops the flow of water and starts rot.

TIDY GROUNDS.

Keep the grounds around the greenhouses in somewhat of a tidy shape, also all sheds and outbuildings. The potting shed should always be in good order; it only takes a few minutes at a time to keep things in shape, whereas if let go for a length of time it will take hours to put in shape. An orderly place always looks prosperous, and we all want visitors and others to think we are prosperous. It is not often good stock is grown on an untidy place. B.

GOLD MEDAL DESIGN BY LOUIS MOTRONI, SAN FRANCISCO, CALIF.
Representing a Well with Windlass and Buckets.

Twenty Years Ago.

JUNE, 1888.

The Florists' Hail Association of America celebrated its first birthday June 1.

The price of bedding geraniums was a much-vexed question among growers.

John N. May was advising the use of ventilators opening at the ridge in the way now so popular.

Garfield was a popular carnation.

June rose shows were being advocated and it was noted that the show held in Boston in this month was the most successful in the year.

The various variegated funkias were recommended as subjects for bedding.

A beautiful floral desk of ivy leaves with suitable flowers and inscription was made for the funeral of a young journalist by Mrs. C. B. Whitnall of Milwaukee.

Plant auctions were being successfully carried on in Boston.

The Tri-City Florists' Club was organized at Davenport, Ia., with J. T. Temple as secretary.

"Stinking, sticky things" was Wm. Falconer's opinion of the fraxinellas.

Cape jasmines were sent to the Chicago and New York markets, but there were many complaints of bad packing and gathering the flowers at the wrong season.

ORCHID NOTES.

LAELIA MAJALIS may go outside after the growth is finished.

Cattleya Dowiana.

Cattleya Dowiana is quite distinct from the majority of the labiata section of the genus and its flowers make a welcome change from the rose and white colored forms usually grown. In this pretty species the sepals and petals are a light nankeen yellow, the lip a gorgeous, velvety crimson purple with thread like lines of gold running through it. In the variety aurea, which is better known than the typical C. Dowiana, the lip is even more beautiful on account of the more copious golden yellow markings. Both are lovely orchids and although not always a success under cultivation there is really nothing very difficult about them.

C. Dowiana, C. Dowiana aurea and C. Warscewiczii (gigas) are found probably nearer the equator than the majority of cattleyas and, with the exception of C. superba, they like more heat than any others. These species will not be tied down to any regular seasons of growth, rest and flowering. Very often before the flowers are past new growths will be starting from the base of the flowering pseudobulbs and it would be folly, when this is the case, to endeavor to force the plants to rest. Let them have their own way but always keep them well up in the house where plenty of heat reaches them and where they get the clearest light. Then, when the growths start late, they will have ample time to flower and ripen up before winter, when it is advisable to rest the plants if possible. Still if they persist in growing it is best to let them, not to dry them off or place them in a cool house, for such treatment will only cripple the growths with no corresponding benefit. As a rule, unless the plants are exceptionally strong, these cattleyas like only a moderate amount of rooting space. C. Warscewiczii likes more than any of the Dowiana varieties, as it is much more vigorous in growth. C. Dowiana is best grown in baskets or pots suspended but must be carefully looked after with regard to water during the growing season. When at rest much less moisture is needed but the bulbs should be kept plump. In a somewhat lengthy experience in orchid growing the writer has never yet seen cattleyas of any kind improved by being allowed to shrivel during the resting season. It may be natural to plants growing wild but under cultivation keep them plump.

Very often when weak or poorly established plants throw up flower spikes, the sheath gets so solidly fixed that it will not open owing to a kind of glutinous excretion that appears to be peculiar to this species. Sometimes the sheath is stuck fast to the leaf and at others the top is fast and the lower part bulges out making an unshapely flower spike. Watch for this and when necessary sponge the sheath and leaf to separate them. Sometimes it may even be necessary to split the sheath in order to free the imprisoned flower spikes. A rather pale tint in the foliage is probably natural to C. Dowiana and its varieties and as long as it is not too pronounced is no harm, but the pale tint caused by starvation treatment must not be confounded with this.

Phalaenopsis Amabilis.

The species illustrated, Phalænopsis amabilis (grandiflora) is one of the most lovely orchids in cultivation and an excellent species for cutting. Its chaste white flowers are among the largest in the genus and it has long been a favorite when the requisite heat and moisture for its successful culture can be maintained. It is sad to see the miserable, stunted looking specimens of these lovely moth orchids that one frequently comes across, growing in dry sunny houses, starved for want of the atmospheric moisture that they must have to be at all satisfactory and, as a rule, anything but a credit to the grower. Contrast these with healthy, well grown specimens and no one could recognize them as the same species.

Phalænopsis delight in a warm moist atmosphere always; in summer it is almost impossible to keep the air too moist but in winter less is naturally required, the days being shorter and darker. But the change from summer to winter treatment must be brought about by degrees, not suddenly. Take a plant that has been growing all summer in a warm, moist house and deprive it suddenly of moisture and heat and the probability is that the succeeding spring will see all the best of the leaves drop off. To hold the leaves after they are grown is far more difficult in fact than to grow them as many cultivators have found and this being the case it is necessary to consolidate the growth as it is made, not to rush it along in a high temperature without due regard to ventilation.

When growers realize that natural conditions are best and learn to merge the seasons one into the other rather than to strike a hard dividing line they will be more successful with these beautiful orchids. They are not particular as to the style of house or receptacle they are grown in, but they must have something tangible for the roots to get hold of, something in the way of wood for preference. Wood is a natural holding for them and nothing else is so suitable but, unfortunately, it does not last long in the moist heat of an orchid house and the work of transferring the plants from one block, cylinder or basket to another is fraught with considerable danger. Temperature is an important point and should be kept as regular as possible. There should be a difference, of course, between that kept up in extremely cold weather and when the weather is mild in winter, otherwise so much fire heat would be used as to cause an unhealthy atmosphere but the more regular the heat is the better the plants will thrive. A night temperature of 65° in summer and 60° in winter is sufficiently high, rising, of course, by day with sun heat according to the weather. Shading must be carefully arranged and, although the plants delight in moisture, spraying overhead is seldom necessary or advisable.

CATTLEYA DOWIANA.

COOL treatment for Vanda Kimballiana.

Feeding Orchids.

ED. AMERICAN FLORIST:—

Among the many interesting and instructive subjects, treated in your columns, I wish to express appreciation of the orchid notes in your issue of March 14. "E. O. O.," in "Notes in Season," speaking of moisture at the roots, says: "This should mean food, which should always be present in the water applied." I would feel grateful for some information regarding this subject of food—what form and how best applied; also best materials and how used by successful growers; pots, pans or baskets; moss, peat, leaf soil or osmunda fiber. W. W.

In reply to "W. W." it is admitted that the statement quoted invites explanation. An eminent cultivator was once asked in open discussion, what was a fair estimate of the longevity of an orchid under cultivation. His reply was "from time unto eternity," and the fact that he evidently believed it was sufficient to settle the matter at the time. It is generally admitted that imported orchids, especially cattleyas, do degenerate. Tens of thousands are introduced annually to keep up the demand for plants and cut flowers, and so it will continue until we raise our own; this is within the reach of possibility, even probability, during the years to come of the present generation of gardeners.

We have cattleyas in bloom today that we know have been cultivated for the past 20 years under glass and are vigorous enough to satisfy the expert observer. These, however, are individuals that go on and increase by division, while others that came with them have been reduced to ashes long years ago through the agency of the fire under the boiler. It was the evident fact that some were failing that led to our experimenting with food, stimulant, or whatever term is best to apply. The term stimulant is inappropriate. and yet to see plants, valuable ones. perhaps, dwindle year after year until it is a supreme effort that produces one flower to a growth of cattleya, makes this student of their needs realize that there is a need unsupplied. Hence, sulphate of ammonia and nitrate of soda were used in the water; the quantities were small and, for a time, none of the plants showed benefit. It should be remembered that, previous to this, it was considered necessary to supply any nourishment to epiphytal orchids through the medium of the atmosphere, by damping down with manure water and by the placing of carbonate of ammonia in the structures devoted to orchid culture. The terrestial orchids, such as calanthe, phaius and chysis, were usually fed liberally because their root structure was wholly different. At about this stage in our experiments came Mr. Cookson's statement made publicly in the Orchid Review, that, after instructing his gardener to water certain plants with chemicals in weak solution, he could easily detect the ones so treated without other knowledge than that furnished by the appearance of the plants themselves.

To quote from Orchid Review, Mr. Cookson said: "I may say that, before systematically using the salts referred to, I asked my gardener to use them regularly on a group of plants in each house, without telling me which they were, leaving me to discover them by results. In each case I was soon able easily to pick them out, and everyone who saw them noticed the improvement as compared with the plants not so treated. After this I had no hesitation in regularly using the salts on all growing plants and feel thoroughly satisfied that moderate applications of plant food are an advantage. Manure water I do not believe in for many obvious reasons, but a pure solution of salts is a very different thing." The formula is three ounces potassium nitrate to two ounces ammonium phosphate dissolved in three gallons water, using one ounce fluid to each gallon of water applied to the plants. This will seem an infinitesimal proportion of food to apply but we have proved that where other plants have enjoyed the same, by accident or otherwise, crotons and even roses were surprisingly benefited. And the rule should be "little and always."

During the growing season always water late in the day; the active growing tips of the ærial roots will tell why if examined early the morning following.

The question of "W. W." as to pots, pans or baskets is easily answered; pots always until the plants need anything larger than a 7-inch pot, then perforated pans, or baskets. Some time since we had seedling cattleyas that, to grow them on, were put in half barrels, but this proved a mistake; they should have been divided and kept in smaller receptacles, and this has now been done. The matter of potting material, too, is now simplified because there is but one medium available, namely, osmunda fiber. The best growers in England and some in Belgium are now using it and no further comment is necessary. Moss may be used if it will grow, but it should then be sparingly blended with the surfacing material and cattleyas are better without it. Peat is now unobtainable in good quality for orchid culture, even in England, and leaf mould in this connection is as if it never had been. To sum up the whole of "W. W.'s" questions, one may take orchid seeds, sow them on the fiber of osmunda, water from the start with Cookson's formula and grow them on with no other "food" besides air, light and heat until the plants have from 10 to 15 new growths each, producing two crops of flower a year and will go on doing this literally from "time unto eternity." E. O. O.

PHALÆNOPSIS AMABILIS.

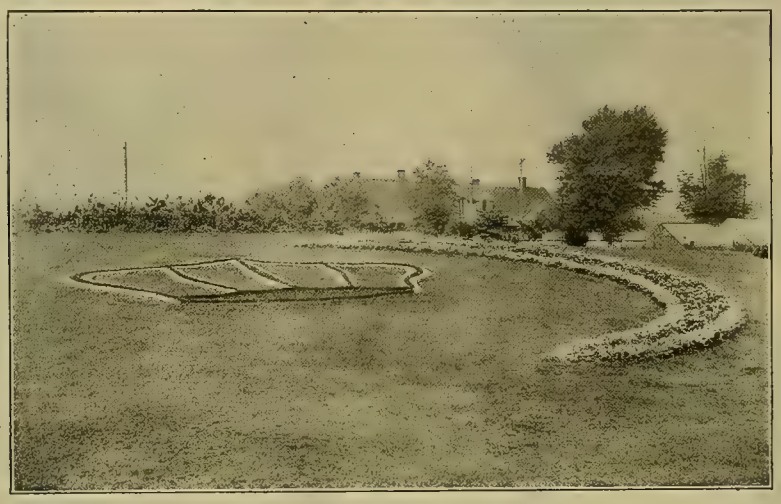
Acacias.

There are several species of acacia that are very useful for decorating both the conservatory and greenhouse, especially where the buildings are lofty and require tall plants. Some of the acacias may be grown as standards on stems of various heights. The species are by no means difficult to grow, and as they can be stood in the open after flowering, through the summer months, they make fine ornamental plants in tubs for decorating the terrace garden even when not in bloom.

Most of the acacias may be readily raised from seed, but there are some that grow well from suckers, which are produced in abundance from the roots. When raised from seed, and it is desired to make standards of them, the leading shoot should be allowed to grow the desired height before it is stopped, and all side shoots should be removed except about half a dozen or so at the top, and when these have grown about six inches long they should have their points taken out to induce them to make lateral growths, and this operation should be repeated until fine bushy heads are formed, after which the shoots ought to be allowed to extend, as it is along those made the previous year that the flowers are produced. Some species have deeply-cut, fern-like foliage, others have their leaves simply entire. The foliage of some is short and stubby, while in others it is long and narrow, making a fine contrast; even when the plants are not in bloom they are most interesting.

Acacia affinis is the best of the deeply-cut-leaved kinds, and flowers more freely than any others of its section, though A. lophantha and dealbata are useful where there is room to grow them; the former makes a fine sub-tropical plant for summer bedding. A. cordata, A. longifolia, and A. grandis are all worthy of a place; so also are A. coccinea and A. Drummondi. The old A. armata is well known to our gardens, as it is one of our most common greenhouse plants. A. affinis grows freely enough from suckers, but it is difficult to get it true.

When plants have become old they may be pruned back to keep them within bounds; they will break freely from the old wood and make fine growths, which will bloom most profusely the following spring. The only pest that seems to trouble them is the scale, but when this is once allowed to get the upper hand it is difficult to get rid of. When the plants are grown in tubs, a light, rich, sandy soil should be used, and abundance of water will be needed during the summer when the weather is dry and the soil is filled with roots. The plants should be stood in a sunny position during the summer to enable them to ripen their wood, but they must be taken under cover before frost sets in, otherwise the young wood will, in all probability, be so injured that the flowers will not develop.—Gardeners' Magazine.



CROWN AND CRESCENT BEDS.

At the Queen & Crescent Route Yards, Lexington, Ky.

Poisoning by Various Plants.

In reference to the recent correspondence on poisoning by poison ivy, Primula obconica and others J. F. Zimmerman sends the following particulars:

Poison ivy contains tannin, fixed oil, wax, mucilage, resin, sugar, albumen, gum, starch, oxalic acid and others. The poisonous properties of the plant seem to be due to a volatile acid resembling both formic and acetic acids. Applied to the skin either in solution or in the state of vapor the acid which escapes producing vesicular eruptions in a few hours after the application; applied to the skin it will in 48 hours produce a blister with severe burning and itching.

Many persons are entirely unsusceptible to its poison and can handle it at will while others are so susceptible to its influence that they will be affected by it by merely coming into its immediate vicinity on account of fumes which escape from the plant especially while the dew is on and the air moist or after a shower of rain. When it is warm and close they are sure to be poisoned. It usually affects the hands and face and July and August appear to be the worst months. The following are remedies for poisoning from this and also Primula obconica:

Sweet or olive oil is an antidote to this as well as to most vegetable and animal poisons. It is to be taken freely internally from a half to a pint or more in a day. At the same time bathe the face, hands and parts affected with the oil and cover with muslin dipped in the oil. If the bowels do not operate after taking the oil give a dose of salts. Repeat the oil next day if necessary. A wash of curd alum is appropriate at all stages before the blisters have fully formed. Bathe the part to relieve itching with a weak solution of ammonia. A solution of bicarbonate soda is good when the blisters are fully formed. A solution of perchloride or persulphate of iron carefully applied to the skin will arrest the progress of the inflammation. Lay cloths over the part affected and keep moist.

Trouble with Geraniums.

ED. AMERICAN FLORIST:—

Please tell me what is the trouble with my geraniums, S. A. Nutt? I give them plenty of ventilation and sprinkle them whenever they need it. They were the same way last summer, 1907, outside in the flower beds. Herewith I enclose a couple of these leaves and will be glad to know of a good remedy for this disease or whatever it is.

N. F.

The injury shown by the geranium leaves does not appear to be due to the attack of any parasitic organism; at least no such organism was found present in the specimens examined. It is possible that the trouble may be located in the roots, but of course to determine this definitely, it will be necessary to make a microscopical examination of specimens of the roots. A similar appearance to that shown on these leaves has heretofore been observed as a result of overwatering or excessively rich soil.

G.

CALADIUM ESCULENTUM, EDGED WITH RED ACHYRANTHES.

At the Queen & Crescent Route Yards, Lexington, Ky.

Soil Fertility as Affected by Manures.

Below is described the method of testing used by Frank D. Gardner of the bureau of soils, Department of Agriculture, Washington, D. C., in his experiments on the "Fertility of Soils as Affected by Manures" as described in his Bulletin 48 under this title:

"The paraffin-pot method, described in Circular No. 18 of this bureau and in the appendix to Farmers' Bulletin No. 257 of the United States Department of Agriculture, was employed in these tests, and while it is not designed to supersede field tests, results obtained with it, when compared with results obtained on the same soils at the agricultural experiment stations in Rhode Island, New York, Ohio, Iowa, Missouri, and North Carolina, show that it will indicate the manurial requirements of soils for general farm crops with a fair degree of accuracy. It is also admirably adapted to an investigation of the character described in the following pages.

"The soil to be tested is thoroughly pulverized by crushing all lumps, and if containing stone or gravel this is removed by sifting. The sample is then thoroughly mixed and equal amounts weighed into granite-ware pans, where they receive their respective applications of manure or fertilizers and are made up to their optimum water content with distilled water. After remaining in the pans for about a week, being occasionally wet with distilled water, and frequently stirred in order to secure a thorough incorporation of the fertilizer and a good soil condition, it is ready to pot and plant. Five small wire-gauze pots are used for each treatment. About 350 grams of soil is then placed in each pot, uniformly packed, and planted with six selected germinated kernels of wheat, after which the pots are dipped in melted paraffin, which not only forms an intimate contact with the soil but makes the pot water tight. The soil is then covered with a thin layer of washed quartz sand and the pot and contents weighed and weight recorded. The pots are next placed in trays and given a favorable exposure in the greenhouse for three or four days or until the plants attain a height of about 1½ inches, at which time the pots are sealed. The sealing consists of covering the tops with paraffined paper disks in which are slits through which the plants grow. The disks are sealed to the sides of the pots by means of melted paraffin. The loss of water by direct evaporation from the soil is in this way reduced to a negligible quantity.

"During the growing of the plants, which usually continues from 18 to 21 days from the date of sealing, the pots are weighed at intervals of two or three days and watered with distilled water in order to retain a favorable moisture content for plant growth. By this method the loss of water or the amount transpired by the plants may be ascertained periodically, and at the end of the experiment the total amount of water given off through the plants of each pot obtained for comparison with the growth and green weight of the plants, which is ascertained by cutting and weighing the plants at the time the experiment is concluded. All conditions of the experiment are so carefully controlled that the average result of five pots rarely differs more than 5 per cent from the average result of any other five pots that have been treated throughout in precisely the same manner. Differences which occur beyond this amount may therefore safely be attributed to the different manurial treatments which have been given. This method has several advantages over the growing of plants in open and porous pots. The method of coating the soil with paraffin prevents any accumulation of roots between the soil and the receptacle, a trouble which is common in pot experiments. The complete sealing up of the soil also enables the experimenter to determine the amount of water which the plant has actually used and transpired in its process of growth, and this, together with the small size of the pots, enables the moisture content and its fluctuations to be carefully controlled.

"On good soils, or as a result of favorable treatment, plants are produced in the little pots in 25 days or less time, the green weight of which sometimes equals or exceeds 1 per cent of the weight of the soil in which they grew. Such plants are approximately 85 per cent water; they have transpired about 100 units of water for each unit of green matter produced, and their dry matter is relatively richer in mineral constituents and nitrogen than that of mature plants. On this basis, an acre foot of soil, weighing 3,500,000 pounds, would produce 35,000 pounds of green matter, requiring for its production the equivalent of 17½ inches of rainfall. This green matter would be equivalent to 5,900 pounds of air-dry material, or about 50 bushels of wheat and 1½ tons of straw to an acre. While the removal of green matter equal to one per cent of the soil in the little pots is somewhat above the average, it serves as an illustration of the heavy draft made upon the soil in a very short time, a draft, as regards moisture and mineral constituents, although part of the latter comes from the seed, greater than that which takes place under field conditions by the removal of a large mature crop, assuming that the removal takes place to a depth not greater than one foot, which for wheat and similar crops would be approximately correct, and providing also the movement of plant food by capillarity from below one foot be ignored."

To Be Done Now.

IN THE GREENHOUSES.

Repot Odontoglossum citrosmum as soon as the flowers are past if this operation is needed.

Keep the cannas that are to flower in pots well apart and feed them when the spikes are forming.

Shake out and repot all stock plants that are to be kept in the greenhouse during the summer.

Look out for red spider in tuberoses and spray them frequently if any insects are seen.

Turn out the old roots of dahlias that have been used for stock and either plant them up or throw them away.

Keep plenty of air in the house when Lilium longiflorum is grown to keep them hard and keep insects away.

Stand the seed primulas and cyclamens well apart and look after them well.

As soon as the early pelargoniums are over stand them outside to harden before cutting the growth back.

Clip the genistas into shape a little with the shears before putting them out for the summer.

IN THE STORE.

Orchids are very beautiful when well arranged but far more difficult to handle than many other flowers.

Wild rush foliage may easily be had now and is useful in many kinds of decoration.

Designs for societies or clubs should be plainly worked out so that the shape of the emblem can be distinctly seen.

Keep the spray going these hot days. It makes the atmosphere of the store more pleasant and helps the flowers and foliage.

There are many ornamental grasses that are very helpful in make-up work.

Cattleya gigas, one of the finest of all orchids is now in and in good order.

OUTDOORS.

English ivy cuttings placed in small pots now and plunged in ashes will make nice plants by the fall.

See that no choice plants on the herbaceous border are being overgrown by the more vigorous subjects.

Cuttings of the semi-ripened shoots of many of the finest flowering shrubs will root freely now.

Lawns that bake up badly in summer should not be too closely cut.

Encourage the growth of young vines by all means possible now and support the growths made until they become self supporting.

Secure the dahlia shoots against wind and insects.

Protect fruit tree stems in localities where sun scald affects them.

Thinning fruit early improves the quality and increases the weight of the crop, besides destroying many insects.

Clear the cabbage beds as early as possible to allow of a crop of fall spinach being taken.

OBITUARY.

Robert B. Graves.

Robert B. Graves, 88 years of age, of Northampton, Mass., died June 5 after a short illness, from old age. Mr. Graves was born in 1820, on the old Clark place, near where the Norwood hotel is now located, and his long life had been spent in Bridge street. Nearly 75 years ago he moved to his present home. He married Miss Maria D. Wright of Huntington and they celebrated their golden wedding a few years ago. The death of Mr. Graves removes one of the oldest residents of Northampton, where he had been a familiar personage upon the streets for many years.

E. Lundburg.

E. Lundburg, who has conducted a retail florist business for the past three years at 616 Wells street, Chicago, was thrown from a buggy while driving with a friend on June 10, a North avenue car running into the vehicle from the rear. The friend, who was driving, was saved by hanging to the lines and being dragged out of the way. Mr. Lundburg was caught under the car and suffered injuries which caused his death early the next morning. He was only 29 years of age, but had built up a very nice business. He was well liked by all his associates. He leaves a wife and one child.

NEW YORK.—John D. Rockefeller is about to begin the erection of an orangery on his estate at Pocantico hills. Mr. Rockefeller takes great interest in the cultivation of oranges and has a great variety of trees bearing this fruit in his gardens.

WARSAW, IND.—A tramp planted a rat, tail upwards, and sold it to a woman here for 50 cents. She did not discover it was a member of the animal instead of the vegetable kingdom until she proceeded to repot the rare "rat tail" plant.

BALTIMORE, MD.—A discussion has been going on here as to the expediency of an Italian garden in Druid Hill park, one of our finest and most natural pleasure grounds, noted for its noble trees and ample lawns. It was proposed to have a space inclosed with stone balustrades and decorated with hedges, plants in boxes and tubs, and interspersed with statuary. A good deal of newspaper and other talk was occasioned, but the park board did not seem to relish the proposition, and finally General Latrobe, its president, put his foot down on it so heavily that it is squelched, at least for the present. It is not unlikely that the project may be renewed, however, but with a different site for the proposed creation.—S. B.

THE AMERICAN FLORIST

1885 TWENTY-THIRD YEAR. 1908

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When sending us change of address always send the old address at the same time.

Advertising rates on application.

From its first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of correspondents.

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REPAIRS to the heating apparatus are in order now.

SEE that all benches are well repaired before planting.

CULTIVATE early and late during the next two months.

MONTBRETIAS grown indoors in benches afford an excellent crop of flowers during the latter part of June.

OVER $11,000 has been paid by the Florists' Hail Association for glass broken by hail since August 1, 1907.

WE are at all times glad to receive notes on bowling and other sports from florists' clubs and kindred associations.

IT pays to allow the inside men to come outside for a "breather" these hot days and usually there is work that can be found for such occasions.

IT may not be out of place to again warn growers, especially those inexperienced in such matters, of the deadly nature of many of the poisonous chemicals used in fumigating materials and to urge the greatest care in their use.

THE florist trade generally has certainly suffered to some extent from the general financial depression of the last nine months. This is shown in the numerous cancellations of advance orders as reported by the wholesale trade.

CLOSING empty houses, and drying thoroughly every particle of soil, bench and everything else within them before cleaning, has been recommended as of assistance in destroying fungus and insects. It is worth trying where there is time for it.

IN PHILADELPHIA.—It is pretty slow down here just now in a business way and Johnny Westcott is busy getting ready for his club opening June 19 and the millionaires are oiling up their automobiles. Local option has not yet struck town and the natives still manage to have a little fun to mix with their trials and tribulations.

EPIGAEA REPENS, the mayflower, is well illustrated as a pot plant in a recent issue of the Gardeners' Chronicle, where it is stated that it should be given a rooting medium consisting chiefly of peat, in which no lime or other calcareous material is present. The great botanical garden at Kew claims the excellent specimen illustrated in our contemporary.

THE New England Dahlia Society is out with the schedule for its first annual exhibition which is to be held in the Tremont temple, Boston, Mass., September 17-19. The rules appear straight forward and easily understood and there are over 120 classes for dahlias of all kinds, including those to be competed for by amateur growers, the trade and children. We trust this society will have a good attendance and a successful exhibition in every way at its initial effort. Maurice Fuld, Boston, Mass., is secretary.

WE have received the schedule of prizes offered at the tenth annual exhibition of the Tarrytown Horticultural Society, to be held in the music hall, Tarrytown, N. Y., November 4-6. Several valuable silver cups from leading firms and private patrons of the society, the society's silver medal, and a gold medal from the Lord & Burnham Co. are among the principal prizes and many good money premiums are also offered that should lead to good competition in the various classes. E. W. Neubrand, Tarrytown, is secretary.

The Society of American Florists.

President Traendly has appointed V. E. Lambert, of Atlanta, as state vice-president for the state of Georgia.

W. N. RUDD, Sec'y.

Tribute to the Late Wm. Scott of Buffalo.

The members of the Montreal Gardeners and Florists' Club, having heard with deep regret of the death of Wm. Scott of Buffalo, desire to express their deep sense of the loss to the profession through his decease. It was therefore unanimously resolved that the members of this club deeply deplore his loss and tender the family of the deceased their sympathy and condolence. W. H. H.

The Hartshorne Fund.

We understand that on June 15 Mrs. Hartshorne bought a house and lot for herself and children with the proceeds of the flower booth sales at different exhibitions of the Horticultural Society of Chicago and the funds donated by members of the Society of American Florists during the Dayton convention and at other times. The purchase leaves an unpaid balance of some $400, which it is hoped the friends of the late Jas. Hartshorne will ultimately be able to cover.

National Council of Horticulture.

The fourteenth installment of the press service of the National Council of Horticulture, just to hand, contains the following articles, all concise, practical notes that are very valuable to amateurs: "Plants for Window Boxes"; "Shrubs for a Succession of Bloom"; "The Home Vegetable Garden"; "The Garden's Shady Nooks." We again remind florists, seedsmen and nurserymen of the importance of urging the editors of their local papers to secure and use these excellent and timely articles. They may be obtained free of James H. Burdett, 1720 West One Hundred and Fourth place, Chicago.

The National Flower Show.

TO BE HELD AT CHICAGO, NOV. 6-15, 1908.

Preliminary work of the sub-committees of the first National Flower Show to be held in this country was begun with a meeting of the sub-committee on local management, privileges and concessions at the Union restaurant, Chicago, June 16, there being present Chairman Vaughan, Elmer D. Smith, W. N. Rudd, J. B. Deamud and J. E. Hauswirth. Plans were discussed at length and work assigned to the various members of the committee. Hall, decorations, advertising, posters, souvenir postal cards, badges and buttons, privileges, auxiliary trade exhibition of requisites and supplies and many other important matters were considered. The work in connection with these is now well under way.

This exhibition will be held under the auspices of the Society of American Florists, with the co-operation of the American Carnation Society, American Rose Society, Chrysanthemum Society of America, the Illinois State Florists' Association, The Horticultural Society of Chicago and the Chicago Florists' Club.

E. G. Hill, of Richmond, Ind., who is chairman of the sub-committee on foreign exhibits, sailed for Europe last month and is exploiting the exhibition among the leading plantsmen and horticulturists abroad.

Suggestions are now in order and should be addressed to J. H. Burdett, Secretary of the General Committee of Fifty, 1411 First National Bank Building, Chicago.

Very Well Pleased.

AMERICAN FLORIST Co:—

I am very well pleased with the AMERICAN FLORIST and am also glad to say we have had a good winter's business up to this time, never better.

R. LUTEY.

Ironwood, Mich.

From May Letters.

American Florist Co.—I couldn't do without the AMERICAN FLORIST, as I consider it the best florist paper on the market. J. A. Tapscott, Owensboro, Ky.

American Florist Co.—I am very much pleased with the paper and would miss it very much. R. Pengilly, Toronto, Ont.

Meetings Next Week.

Baltimore, Md., June 22, 8 p. m.—Gardeners' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.

Cleveland, O., June 22, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit street.

Denver, Colo., June 26, 8 p. m.—Denver Floral Club, 323 Charles Block.

Hartford, Conn., June 26, 8 p. m.—The Connecticut Horticultural Society.

New London, Conn., June 24.—New London County Horticultural Society, Elks' hall.

Florists' Club Outings.

Chicago, July 19.—Annual picnic of Florists' Club at Morton Grove, Ill.

Montreal, Que., July 29.—Annual picnic of Gardeners' and Florists' Club.

New York, July 1.—Annual excursion to Witzel's Point View Grove, L. I.

Pittsburg, Pa., June 25.—Florists' and Gardeners' Club on grounds of the Pittsburg Rose & Carnation Co., Bakerstown.

St. Louis, Mo., July 15.—Annual picnic of Florists' Club at Normandy Grove.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Every paid subscriber to the AMERICAN FLORIST for the year 1908 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—As an A 1 potter, propagator or section hand. Address
Key 568, care American Florist.

Situation Wanted—First-class florist, designer decorator; London and New York experience, desires position; best references. Address
Key 566, care American Florist.

Situation Wanted—By a first-class grower of cut flowers, middle age, to take charge of private or commercial place or as foreman; can deliver the goods; good wages expected. Address
Key 565, care American Florist.

Help Wanted—A good rose grower, capable of running a section; at once.
HELLER BROS., New Castle, Ind.

Help Wanted—A man to work in rose sections; state wages without board. Apply
COLE BROS., Peoria, Ill.

Help Wanted—A good rose grower as working foreman; to take charge of rose sections on a large plant. Key 569, care American Florist.

Help Wanted—First-class man in retail store. Must be up-to-date in making up and decorating. State reference and salary expected. Permanent position to right party. J. F. WILCOX,
Council Bluffs, Iowa.

Help Wanted—Young man as working foreman to take an interest in an established greenhouse business. Only small capital required. Correspondence invited. Address
Key 530, care American Florist.

Help Wanted—A first-class store man and designer capable of taking charge of retail and packing department, no book work; young married man preferred; a permanent position for a sober and reliable man; wages $15.00 per week; 40,000 feet of glass. J. F. AMMANN,
Edwardsville, Ill.

Wanted—A reliable florist as partner; splenid location; new house well stocked; very little capital required. J. N. MENIFEE, Sapulpa Okla.

For Rent—Greenhouses: about 30,000 feet of glass by GEO. HARRER, Morton Grove, Ill.

For Sale—Greenhouses and stock in good town in Oklahoma; 12,000 inhabitants. Address
Key 563 care American Florist.

For Sale—27,000 feet of glass without stock in a good locality in Chicago. Take Clark St. car to Francis St. Call or address
OWNER, 4016 N. Clark St., Chicago.

For Sale—An old established retail florist's store and show house, well located; will sell on account of ill health and not able to remain in the city to attend business. Address
Key 567, care American Florist.

For Sale—A bargain for a good florist stand and store opposite Woodland Cemetery; with full line of confectionery; also greenhouses of 10 000 feet of glass; offered after July 1 for $1.500. HENRY EICHOFF, 6818 Woodland Ave, S. E.,
Cleveland, O.

For Sale—Greenhouses and stock; about 20,000 feet of glass, well stocked with all kinds of bedding plants, ferns, palms and cut flowers; for terms inquire of Mrs Hugo Book, College street, Worcester, Mass., or L Midgley, Worcester Conservatories, Worcester, Mass.

For Sale—Four greenhouses about 20 000 feet of glass, steam heated, well stocked with carnations, chrysanthemums, violets, etc; 15 acres of land suitable for market gardening; 8-room dwelling house, steam heated; large barn, city water; about 10 miles from Boston; good retail trade now established; for particulars address
G. A. ANDERSON, Woburn Mass.

For Sale—At a sacrifice. On account of failing health and wishing to retire, I offer my seven greenhouses and stock for sale; located in the center of the city; established 16 years on leased ground; I am doing a No. 1 business in cut flowers and have an immense bedding out trade and run two wagons; if you wish greenhouses that will keep you busy and give you a handsome income here is your chance; possession at once; must be cash; for further particulars address
W. H HUMFELD FLORAL CO., Kansas City, Mo.

FOR SALE.

Four acres of land, 6000 feet of glass, 3 block, from car line; the only florist in Shawnee, Okla., a town of 22,000 population, with several small towns near to do business with.

An ideal location and well established busines for some one.

PIKE BAKER, 118 North Broadway SHAWNEE, OKLA.

FOR SALE...

Wholesale and Retail Floral Establishment, well stocked consisting of 12 greenhouses (about 35,000 square feet of glass) three acres of land; 12 room brick residence; shop, barn, horse wagons, implements, tools, etc. Everything in first-class condition. No parties but those who mean business and have cash need apply. Parties must see to appreciate. For terms address

C. CRAMER, R. F. D. No, 4, Salt Lake City. Murray Station, Utah.

FOR SALE.

Any one wishing to locate in Missouri will find a good established greenhouse business on application to advertiser. There are 25,000 feet of glass on the place, and the city is a prosperous one. Further particulars on application. Address

Key 564, care American Florist.

FOR SALE.

Greenhouses. About 30,000 feet of glass in first-class condition. Well stocked, roses. Fine location for retail trade. Handy to Boston market fer wholesale. Chance of a lifetime. Reason for selling, all my time is taken up with other business Write for particulars or call and see them.

H. F. CRAWFORD,
Montello Station, Brocton, Mass.

FOR SALE OR RENT.

The florist business of Chas. Schuck & Bro. This is one of the best paying establishments in Philadelphia. The plant consists of eight greenhouses, steam heat, store, dwelling and stable. Established 25 years. Reference to this business can be had from any florist or seed house in Philadelphia.

CHAS. SCHUCK & BRO.,
441 2to 2457 N. 8th St., PHILADELPHIA, PA.

FOR SALE.

50,000 ft. of 4-in. Boiler Tubes, cleaned and trimmed, ready for greenhouse purpose Have special malleable iron sleeves to fit same. Will sell at a very low price. I also carry a complete line of **Second-hand Pipe.**

Write for my price before you make purchase.

ISIDOR COHEN, 240-250 Madison St., **Milwaukee, Wis.**

THE COLORS OF FLOWERS

Are Best Determined with the Aid of

OUR COLOR CHART

Arranged by F. Schuyler Mathews and lithographed by Prang, this chart is now accepted as the standard in preparing color descriptions by many foreign houses as well as in this country.

PRICE: $1.00, Postpaid.

AMERICAN FLORIST CO., 324 Dearborn St. CHICAGO.

HENRY M. ROBINSON & CO.,

Wholesale Commission Florists.

Hardy Cut Evergreens and Florists' Supplies

BRONZE GALAX, best quality...$8 50 per case, 10,000; **GREEN GALAX**, best quality... $7.50 per case, 10,000.
New Crop **DAGGER AND FANCY FERNS**.....$1.00 per 1000.

Laurel Festooning, Boxwood, Southern Wild Smilax, Sphagnum and Green Moss, Leucothoe Sprays, etc.

15 Province St. and 9 Chapman Place, BOSTON, MASS.

Milwaukee.

BUSINESS GREATLY IMPROVED.

The continued cool weather has been favorable to the production of good stock in most lines and business has been quite satisfactory since Decoration day. Shipping during the past week has been excellent and stock was well cleaned up last Friday and Saturday. The supply of roses has shortened up very materially, American Beauty being quite scarce. Some fine Richmond and Kaiserin are coming in from Albert Lies, Morton Grove, Ill. Home grown carnations are particularly fine and plentiful, good stock selling freely at $2 per 100. Late peonies are just commencing to arrive and were never finer. Hardy flowers such as gaillardias, Shasta daisies, delphiniums, etc., are now to be had in fairly good quality and quantity.

NOTES.

W. F. Kelsey, New York, and many others attending the nurserymen's convention, called upon the authorities at Mitchell park last week. F. August Gerlach, head gardener, has his planting almost completed for this season and the place looks remarkably well. There will be a fine display of Crimson Rambler roses about July 1, in the sunken garden, where there are about 2,500 plants in excellent condition.

Holton & Hunkel have practically completed their greenhouse plant at Brown Deer for the present, three houses 28x400 feet, and one asparagus house, 32x200 feet. The new place contains 19¼ acres and is within 40 minutes of the city hall. Mr. Hunkel was in Chicago early in the week, looking after stock for these new structures.

F. P. Dilger has a fine bed of Iris Hispanica coming on now, some 17,000. A bench of montbretias at this place is looking well and will be in bloom about June 20. Single blooms of Pyrethrum roseum in variety are going well.

The A. Middlemass Co. reports good plant business this season and cut flower business fair.

Fred Kaiser was at Muskogee lake June 13, getting his craft in shape for summer boating.

The Baumgarten Floral Co. is moving into its new store, Fifth street and Grand avenue.

Wm. Edlefson will build two new houses, each 25x150 feet, this season.

J. M. Fox, Jr., has a new automobile.

Visitors: John A. Evans, Richmond, Ind.; Winfred Rolker, New York; C. F. Dallman, Missoula, Mont.; Chas. Loechner, representing the Yokohama Nursery Co., New York; Horace Cheeseman, Vaughan's Seed Store, Chicago; M. Barker, THE FLORIST representative, and many others attending the nurserymen's convention.

St. Louis.

PRICES HAVE IMPROVED.

The past week, from the growers' standpoint, was much more satisfactory, as prices were better and firmer all around. This can be accounted for because the demand was brisker owing to school closings and weddings, together with a goodly amount of funeral work. Outdoor sweet peas are suffering considerably from the continuous rains and are plentiful, but in most instances of very poor quality. It is expected that the demand will very soon be cut short and then the real summer dullness will be with us; but one thing is certain, that stock of good quality will be in demand all summer and bring fair prices.

NOTES.

The Florists' Club met June 11, about 25 members being present, with Will Young in the chair. The location of the picnic was approved and the trustees will now be busy preparing for it. It is rumored that the retailers will endeavor to get Rube Waddell to pitch for them; anything to beat the wholesalers.

We regret to announce the death of Theo. Faller, an old time florist. His greenhouses and residence are located at 4901 Natural Bridge road. His wife will carry on the business.

Fred Alves went on a visit to Chicago, June 13, to look over market conditions, also to assist the convention in making a good nomination for president.

Poehlmann Bros. Co., Chicago, ship to this market large quantities of good white and pink carnations, which find ready sale.

Miss Myrtle Middleton is now bookkeeper at Geo. H. Angermueller's in place of Miss Myers, who is in Kansas visiting friends.

The Eggeling Floral Co. is still very busy bedding out. This firm has done some of the most artistic work seen in the city.

Ostertag Bros. have the decorations for the colored high school, given at the Century theater. This will be a very large affair.

Heller Bros., of New Castle, Ind., are shipping some fair long stemmed American Beauty roses to this market.

Sydney B. Wertheimer, of the firm of Wertheimer Bros., New York, was a visitor here last week.

Adolph Brix will shortly take a trip to the northern lakes and will be gone four or five weeks.

Wm. C. Smith & Co. are handling large quantities of sweet peas. W. F.

Fancy and Dagger FERNS $1.75 per 1000

Discount on large orders.

New Crop Galax, Bronze or Green, $1.25 per 1000; 10,000, $7.50. **Wild Smilax,** 50-lb. case, $6.00.
Sphagnum Moss, large bales.....$1.25
Leucothoe Sprays.....$1.00 per 100; 1000, 7 50
Boxwood.....35c per bunch; 50 lbs., 7,50

Florists in the Middle and Western States can save money by placing their fern orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,
WHOLESALE COMMISSION FLORISTS,
38-40 Broadway. All Phone Connections. DETROIT, MICH.

Special Offer for 10 Days

Nice fancy **FERNS** 85c per 1000. Good **Dagger Ferns** $1.00 per 1000. New crop **Dagger Ferns,** $1.50 per 1000. **Galax,** Green and Bronze $1.00 per 1000; case lots, 10,000, $7.50. 50-lb. cases **Wild Smilax** $6.00. **Leucothoe Sprays,** bronze or green, 40c per 100. **Ground Pine,** 5c per lb. or 5c per yd. **Pine** and **Laurel Wreaths,** for decoration use: Pine, $1.50 per doz., Laurel, $2.50 and $3.00 per doz. Send your order early for your decoration use. **Laurel Festooning,** 4c, 5c, and 6c. per yard; made daily fresh from the woods **Boxwood,** No. 1 quality $8.00 percase, 50lb. Telegraph Office, New Salem, Mass. L.D. Phone Conn's

CROWL FERN CO., Millington, Mass.

Asparagus Plumosus Nanus Seed, Only $3.00 1000.

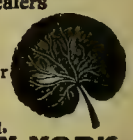
We handle this Asparagus both in seeds and plants of all sizes, in very large quantities, and make very close prices on larger amounts on application. Our seed is pure, fresh, of best germinating quality and extraordinary vitality. **Northern Greenhouse-Grown Seed.** Per 100 seeds, **60c;** 250 seeds, **$1.00;** 1000 seeds, **$3.00.** Price for larger lots on application.

VAUGHAN'S, Chicago or New York.

George Cotsonas & Co.

Wholesale and Retail Dealers in all kinds of

Evergreens.



Fancy and Dagger Ferns, Bronze and Green Galax.
Phone 1202 Mad. Sq.
Main Store. 50 W. 28th St., **NEW YORK.**

E. A. BEAVEN

Southern Wild Smilax,
Log Mosses,

Natural and Perpetuated—at Wholesale,

EVERGREEN, ALABAMA.

JOHN P. SCHERER,

Telephone 328 L Union.
636 Gardener St., UNION HILL, N. J.
SMILAX, FERNS, PALM LEAVES and all kinds of GREEN GOODS.

THE KERVAN COMPANY,
113 West 28th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe, Ferns, Mosses and all Decorative Evergreens.

Sphagnum Moss and Cedar Poles.
Moss, 5 barrel bale, $1 25; 2 bales, $2.25; 5 bales $5.00; 10 bales, $9.50. **Poles,** 2-in. butt, 8 ft. long, $15.00 per 1000; 2½-in. butt, 10 to 12 ft. long, $22.50 per 1000; 1½-in. butt, 5 to 7 ft. long, $10.00Cash.
H. R. AKERS, Chatsworth, N. J.

Summer Flowers.

Note our Special Facilities for Supplying Them:

1—**An entire range of over 200,000 feet of glass** devoted exclusively to growing stock that will ship well and keep well in summer.

2—**Roses all planted in solid benches,** so the roots go down deep. The plants are from two to six years old and give flowers of greater substance and strength than can be grown on raised benches.

3—**Our Summer Grown American Beauties** have an established reputation as the best in this market. They are planted in solid benches and as the roots go down deep into rich soil the plants produce very choice flowers.

OUR SUMMER SPECIALTIES.

Giganteum Easter Lilies,
American Beauties,
Kaiserin, Carnot, Killarney,
Richmond and Perle Roses,
Asparagus, Smilax, Sprengeri,
Adiantum, Common Ferns.

EASTER LILIES.

We have 15,000 Giganteum Easter Lilies grown cool that are just commencing to bloom. These are exceptionally fine flowers for summer decorations, funerals, etc., as they will stand an immense amount of handling without showing any signs of bruises. They ship and keep for a number of days. **Price** of these Lilies, **$6.00 per 100.**

BUY YOUR FLOWERS DIRECT FROM THE GROWERS, and get the freshest possible stock
Our cooling rooms and shipping facilities are unexcelled.

BASSETT & WASHBURN,

GREENHOUSES: HINSDALE, ILL. **Office and Wholesale Store: 76 Wabash Ave., CHICAGO.**

Baltimore.

BUSINESS DULL.

Fine weather continues, but is accompanied by a dryness which threatens to cut short all early summer crops. Not a drop of rain has fallen for several weeks and the hay crop, which promised to be immense, has begun to shrink, and all gardens are feeling the lack of moisture. June weddings are declining, but once in a while an order for a bouquet or two is received. The commencement season is still on, and the demand for bunches for the sweet girl graduates is as yet unabated. Mortality tables show unprecedented low averages, and the funeral demands are about at the minimum mark. Business otherwise, too, continues dull; the plant trade is practically over, and now comes the unsatisfactory feeling that every product of the gardener's skill, however homely, is in excess of demands.

The reception at Blenheim, the fine estate of William Lanahan, a few miles from the city, on Thursday afternoon, was a great success, it being a day of unalloyed enjoyment to over 100 of those connected with the gardener's calling. The visitors, who comprised many members of the Gardeners' Club and many others interested in allied pursuits, were escorted all over the grounds, through the extensive stables and garage, and were made free of everything to be found in garden, dairy and fruit plantations. Games of all sorts were engaged in, baseball, as usual, being the popular favorite, and was long-continued, one veracious chronicler for the daily press reporting that "when everybody got tired of running the game stopped, when it was learned the scorer had gone to the city for an adding machine!" There were races for boys and adults. In the walking race the contestants were John Donn, Conrad Hess, George S. Kalb and Edward Hermann, the first named being the winner. There ought to have been some system of handicapping, heights running from 5 feet 6 to 6 feet 5, and weights from 100 to 400 pounds.

At 6 o'clock a profuse luncheon was spread on tables set on the main lawn, these being beautifully decorated with flowers, flags and plants, and crowded with good things to eat and drink. After the feast, games and races were again indulged in and there was some speechmaking. A handsome bunch of American Beauty roses was presented to Mrs. Lanahan as an expression of the appreciation by the guests of the charming hospitality offered them, and Mr. Lanahan made a graceful response, saying what great pleasure it afforded him to have his place inspected by those who were exponents of skill and taste in ornamental planting, in the production of flowers and choice fruits. He asked his visitors to criticise its arrangements and appointments and to favor him with suggestions for improvements. Since the last similar gathering at this handsome place a new entrance has been created, and fine columns of stone replace the former iron fence and gateway. The lawns and roads are kept in the best of order, and all the surroundings testify to the thorough management of Jacob H. Keplinger, who is manager of the establishment. S. B.

Cincinnati.

TRADE FLUCTUATING.

The past week opened up with a good demand for seasonable flowers, sweet peas predominating. The call for this favorite little flower was something extraordinary and our wideawake wholesalers, anticipating a good demand, immediately notified their growers, but what a difference by Thursday! Sweet peas came along by the thousands, the trade fell off and all the wholesaler could say was "stung again," for Thursday and Friday reminded one of midsummer dullness as far as business was concerned. Roses coming to this market are the best we have seen for this time of the year while carnations seem to be growing smaller every day with the one exception of Tom Windram's Queen. Tom says he has a house full of Queen which did not do much the past winter, but the plants are making up for lost time at present. Lily of the valley has been good property the past few days and the quality exceptionally good, considering the warm spell. Green goods were in fair demand, especially Asparagus plumosus, both in strings and bunches.

T. W. Hardesty & Co. are showing some fine delphiniums in variety. They sent their right hand man Charley McRea up to Ashland, Ky., last Saturday to do the decorations for the Harrison-Hager wedding. From descriptions in the daily press it appears to have been one of the big jobs of the season and was quite a feather in the cap for Mr. McRea, who is quite capable of putting over a big job when wanted.

Park Superintendent Rodgers, while driving to the city last Thursday, was severely hurt in a runaway accident. Although severely injured about the lower limbs it is nothing serious and Mr. Rodgers expects to be about within a week or 10 days.

The Florists' Wire Design Co. is quite busy with wire work, shipping an order to New York the past week. This concern makes good wire work and is deserving of doing a good business, for all connected with the same are up-to-date hustlers.

Miss Edith Kyrk of Avondale had the decorations for the Perkins wedding at Madisonville last Wednesday using large quantities of sweet peas and Asparagus plumosus. This was one of the swell jobs of the season.

Will Murphy is right in it with a nice supply of Lilium longiflorum with which he hit the market about right. S.

Chicago.

TRADE GOOD IN SOME LINES.

Trade has been good the past week in some lines, but very poor in some others. Carnations have not only been off in quality, but the demand for them has suffered from the abundance of good peonies and other stock. The demand has also fallen off for Bride and Bridesmaid roses for the same reason. Kaiserin has been excellent and the supply has moved off very readily. Some excellent Richmond is also seen. The price of Perle rose has gone up sharply, due to the limited supply grown and the heavy call this month for yellow in class colors at commencement exercises and other functions. Mrs. Marshall Field is proving an excellent summer pink and is in good crop. Killarney continues good, in fact, one of the best of summer roses. Carnot is also coming in and meeting with favor. Peonies are very good and meeting with a very good call. Practically all the home-grown stock is now in cold storage and peonies are now coming in freely from Minnesota and other northern points. Lily of the valley, too, belongs to the class on which no complaints are being made, and for bridal bouquets, class emblems and the like is really unexcelled. Sweet peas continue to be standard flowers: prices are low, but the demand is good.

June 17.—The supply of roses has materially shortened this week, due both to the continued cool weather and the fact that most of the growers have thrown out old stock to put in young plants. Prices have also materially stiffened. Perle roses are still in demand, bringing top prices for choice stock.

NO SATURDAY AFTERNOON MAIL DELIVERY.

Most of the wholesale houses were surprised last Saturday by belated notices from the local post office that beginning with June 13 no mail deliveries would be made in this city during the summer on Saturday afternoons after 1 o'clock. Many out-of-town customers, not knowing of the new rule, were thus disappointed in not receiving stock they expected last Sunday morning. To guard against such contingency in the future, late week-end orders should be sent either by special delivery letter, telephone or telegraph.

NOTES.

Mrs. Marshall Field rose is proving an excellent summer variety. That it is unexcelled as a free bloomer may be seen from the fact that at the present time Peter Reinberg's 35,000 plants are producing a daily average cut of 8,000 blooms. All hands that can be spared are busy on the summer repair work, an unusually large number of benches being entirely rebuilt. Two of the boiler sheds are being torn down, and their work will be thrown on the other steam boilers already in.

L. Baumann & Co. have just received a large shipment of florists' fall supplies, this stock going into the firm's new building at 118 E. Chicago avenue. Other stock is also being gradually moved into the same quarters, and Mr. Baumann says the office force will follow on July 1. A supply room will be maintained at the old stand, 76-78 Wabash avenue, for out-of-town visitors who may not have the time to go to the north side store.

Albert T. Hey, now located at Springfield, Ill., and president of the Illinois State Florists' Association, will remove to Western Springs on July 1, taking charge there of the greenhouse establishment of Vaughan's Seed Store. Vaughan's Seed Store received the first shipment of California freesias on June 15.

Geo. Reinberg has just received a new shipment of 1,000 orchids, including Cattleya Mossiae, C. Trianae and C. gigas. Richmond roses continue in excellent crop and are in good demand.

Bassett & Washburn have 15,000 Harissii lilies, grown cool, which are just coming into bloom. C. L. Washburn expects to have these lilies to offer from now on through the summer.

Invitations are out for the wedding of Miss Lena Ludwig, daughter of Gustave Ludwig, of Pittsburg, to Victor Bergman, the popular young decorator of the Ernest Wienhoeber Floral Co.

W. N. Rudd will build a new greenhouse at Mt. Greenwood this season, 38x125 feet. A number of the cemetery men are now in uniform. Mr. Rudd is now in Michigan on a fishing trip.

Albert T. Hey.

J. B. Deamud's son, Wilder, was given a surprise party at his parents' home, 6435 Star avenue, on the occasion of his entering his eighteenth year.

Edward Eisner, for 15 years with C. A. Samuelson at 2129 Michigan avenue, will open a retail store of his own at 5523 Halsted street on Saturday next.

The Kennicott Bros. Co. is now receiving fine auratum lilies; excellent indoor asters are also seen here, as well as fine white and lavender sweet peas.

John Assa, 112 Bowmanville avenue, has just completed two 27x250-foot houses, which are being planted to American Beauty roses.

The fatal accident to E. Lundburg, florist at 616 Wells street, is noted in the obituary column of this issue.

The A. L. Randall Co. is receiving quantities of large, fancy ferns from Michigan.

Wietor Bros. are already cutting from their young American Beauty plants.

Zech & Mann are receiving fine red gladiolus, also Harisii lilies.

Visitors: W. H. Wyman, North Abington, Mass; Thos. Thurston, of the Central Michigan Nursery & Floral Co., Kalamazoo, Mich.; C. E. Heite, of the W. L. Rock Floral Co., Kansas City, Mo.; Daniel T. McCarthy, Lockport, N. Y.; Geo. A. Kuhl, Pekin; J. F. Baker, Fort Worth, Tex.; J. W. Ludwig, Pittsburg, Pa., as delegate to the republican national committee; Elmer D. Smith, Adrian, Mich.; Geo. Vatter, Marinette, Wis.; W. E. Davidson and wife, Holdrege, Neb.; Mrs. W. E. McElwain, Walworth, Wis.; Edward A. Fulle, Richmond, Ind.

"THE BUSIEST HOUSE IN CHICAGO."

Peonies,
Carnations,
Roses.

Assorted stock in quantity.

J. B. DEAMUD CO.
51 Wabash Ave., CHICAGO.

KENNICOTT BROS. COMPANY,

Wholesale Cut Flowers.

48-50 Wabash Ave.,
CHICAGO.

L. D. Phone, Central 466.

Peonies Now
Price 3 to 6 cents.

We will have anything in the line of

Cut Flowers and Greens

that you may want if anybody has it, at Chicago market prices on day of shipment.

E. F. WINTERSON CO.

Long Distance Phone Central 6004.

45-47-49 Wabash Ave., Chicago

Wholesale Cut Flowers and Florists' Supplies.

FLOWERS FOR SPECIAL OCCASIONS Are a Specialty with Us.....

For June Weddings and Commencements we can supply Long Stem Sweet Peas, Lily of the Valley, Peonies, etc.

All other stock in season at Chicago market prices.

Baskets, Ribbons, Chiffons

For your swell June Weddings.

OUR WIRE WORK is the KIND THAT STANDS UP.
Send us list of your wants for estimate.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of **CUT FLOWERS**

WEILAND & RISCH

Wholesale Growers and Shippers of

CUT FLOWERS

59 Wabash Ave., CHICAGO.

'Phone Central 879.
Write for our wholesale price list.

WHOLESALE FLORISTS

For Weddings and Commencements

CUT FLOWERS AND SUPPLIES.

We are Headquarters.

E. H. HUNT

SEND FOR PRICE LIST.

76 Wabash Avenue, CHICAGO.

E. C. AMLING

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 Randolph Street, CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Poehlmann Bros. Co.

Wholesale Growers of and Dealers in **Cut Flowers**

All telegraph and telephone orders given prompt attention.

Greenhouses: MORTON GROVE ILL.

35-37 Randolph St. CHICAGO.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO

Telephone, Central 3284.

Wholesale Flower Markets

CHICAGO, June 17.

Rose, Beauty, extra fancy		4 00
" " 24 to 30-in. stems.		3 00
" " 12 to 20-in. stems.	1 50@	2 00
" " Short stems		1 00
" Killarney	6 00@	12 00
" Bride, Maid, Ivory Gate	4 00@	6 00
" Liberty, Richmond	4 00@	8 00
" Chatenay, Perle	4 00@	6 00
Carnations	1 50@	3 00
Lilium Harrisii, per doz.,	1 00@	1 25
Callas, per doz.,	1 00@	1 25
Lily of the valley	2 00@	4 00
Gladiolus, per doz.,	1 50@	2 00
Peonies, per doz.,	40@	75
Snapdragon, per doz.,	50@	75
Sweet Peas	50@	2 00
Pansies	75@	1 50
Iris, blue		5 00
" white & yellow		3 00
Narcissus, poeticus, double		2 00
Cornflowers	60@	75
Daisies, white	75@	1 00
" yellow	1 00@	2 00
Smilax, per doz		2 00
Asp. Plu. & Sprengeri, bunch		50
Asparagus strings, each		50
Adiantum, per 100	75@	1 00
Leucothoe sprays	60@	75
Ferns, per 1000		2 50
Galax, green, per 1000		1 00
" bronze, per 1000		1 00
Boxwood, per bunch		35

EVANSVILLE, IND.—Blackman Floral Co. is having a fine new front erected in its store on Main street.

STERLING, ILL.—The Sterling Floral Co. has completed the work of filling in the flower beds at Central park by planting green and red foliage plants in the bed at the south end of the park forming the words "Central Park."

Chas. W. McKellar

51 Wabash Ave.
CHICAGO.

ORCHIDS

A Specialty

Fancy Stock in VIOLETS VALLEY, ROSES, BEAUTIES, CARNATIONS and a full line of all Cut-Flowers, Greens, Wire-Work and FLORISTS' SUPPLIES.

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All telegraph and telephone orders given prompt attention.

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Wholesale Florists,

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THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

PRICE LIST.

RED

American Beauty, long stems..... $ 4.00 per doz.
30-inch stems..... 3.00 per doz.
24-inch stems..... 2.50 per doz.
20-inch stems..... 2.00 per doz.
15-inch stems..... 1.50 per doz.
12-inch stems..... 1.25 per doz.
Short stems..... 75c to 1.00 per doz.
Richmond, Liberty.....$4.00 to $ 8.00 per 100

WHITE

Bride, Ivory .....$4.00 to $ 6.00 per 100

YELLOW

Perle.....$4.00 to $ 6.00 per 100

LIGHT PINK

Uncle John, Golden Gate... $4.00 to $ 6.00 per 100

PINK

Chatenay,..... $4.00 to $ 8.00 per 100
Bridesmaid..... ..... $4.00 to $ 6.00 per 100
Mrs. Marshall Field, Killarney,
..... $6.00 to $10.00 per 100

COPPER COLOR

Sunrise.....$4.00 to $ 6.00 per 100

Roses, our selection, $3.00 per 100.

Carnations,.....$ 1.50 to $ 2.00 per 100
Easter Lilies,..... 8.00 to 12.00 per 100
Callas.....$ 8.00 to $12.00 per 100
Valley, fancy..... 3.00 to 4.00 per 100

Extra fancy Asparagus Plumosus, 50c to 75c per bunch.

PETER REINBERG, 51 Wabash Ave., Chicago.

Toronto.

TRADE VERY GOOD.

Trade conditions are at present of the very best and though flowers of most varieties are plentiful all find fairly good sale excepting carnations which do not move so readily. This is accounted for by the sale of peonies which is very large. Roses continue of very good quality and are generally worth the $8 per 100 which they command. Killarney holds up its quality and with American Beauty is now the favorite rose. Richmond has shortened in crop but Bridesmaid and Bride are still good and very little mildew is noticed. Carnations are good, very fine flowers still being abundant for the late season. Sweet peas are getting smaller and longiflorum, and other lilies are scarce. Peonies are plentiful and meet with ready sale; only the early varieties are in but from present indications there will be a very heavy crop. Those dealing in bedding stock have had a very good season and many varieties of plants are sold out. Red geraniums have been at a premium for some time. Hydrangeas are so good sellers at this season for outdoor work that it is not easily understood why so few of them are grown here.

M. Wolf, formerly of Chicago and Detroit, has opened up a cut rate flower store on Yonge street. His prices are decidedly low; consignments are received from Chicago and elsewhere, but with the duty, etc., there can be little for the grower.

J. Chambers has the indorsement of the local florists for the vacancy of Park Commissioner at Niagara Falls, Ont. Mr. Chambers is a man who thoroughly understands his work besides having unlimited executive ability.

Chas. Tidy has been showing some very fine cattleyas. Business has been good with him and he has had some very good decorations. H. G. D.

L. BAUMANN & CO.,

76-78 Wabash Avenue, CHICAGO.

THE GREAT CENTRAL FLORIST SUPPLY HOUSE.

Everything in Florist Supplies such as Baskets, Chiffons, Etc., Etc.

For **School closings** and **June Weddings.**

Send for our complete catalogue.

Our Pastimes.

Announcement of coming contests or other events of interest to our bowling, shooting and sporting readers are solicited and will be given place in this column.

Address all correspondence for this department to A. F. Faulkner, 1133 Broadway, New York; Robt. Kift, 1725 Chestnut St., Philadelphia; or to the American Florist Co., Chicago.

At Chicago.

A bowling contest for members of the Florists' Club who wish to qualify for places on the team that will go to the S. A. F. convention will be held at Mussey's next Tuesday evening at 8 o'clock. A ladies' team, also, will be organized. On June 16 some of the bowlers got together at Mussey's. No record of the scores was kept, as it was not a regularly called meeting. Those present included: C. W. McKellar and wife, Geo. Asmus and wife, Chas. Balluff and wife, E. F. Winterson and wife, Mrs. P. J. Hauswirth and Mrs. Walter Kreitling. From the enthusiasm of the crowd, good sport is anticipated at all future meetings.

The "Paper White" Trust.

"These narcissus look nice," said Mrs. Hyde Parker, "but isn't the price rather high?" "Well," replied Fakir, the florist, "the paper trust has advanced the prices awfully." "What has that to do with this case?" "Why, madame, these are genuine Paper White narcissi."

Love Among the Posies.

The Bachelor's Button was haughty and proud,
And the Tulips that smiled at his side he allowed
To go all unkissed. On his stalk he would loll,
And a fair Bleeding Heart could not move him at all.
The flowers winked one at another and said,
"He hasn't the sentiment in him to wed!"
But when rich Miss Marigold—pretty young thing!—
Pressed the Bachelor's Button, he gave her a ring.

NIXON WATERMAN.

OUR CARNATIONS

are still in fine shape due to the fact that the temperature in Milwaukee is low compared to other cities owing to the cool winds from Lake Michigan that blow across our city. Try them and be convinced.

We also have fine **VALLEY** for **June Weddings.**

HOLTON & HUNKEL CO.,

462 Milwaukee Street, MILWAUKEE, WIS.

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations and all kinds of Seasonable Flowers in stock.

WM. F. KASTING CO. Wholesale Commission Florists.

BUFFALO, N. Y.

Florists' Supplies and Wire Designs.

—THE—

J. M. McCullough's Sons Co.

Wholesale Commission Florists.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

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Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Nashville.

SUMMER CONDITIONS.

The passing of Memorial day and the closing of the schools places the floral trade upon the summertime basis, with dull trade and sometimes very poor stock. The season has been very wet, which has hindered rather than helped the outdoor gardening, and growing plants are rather backward. During the commencement season just passed there was an unprecedented call for flowers. The Joy Floral Co. sold for the Ward's school commencement for one day's delivery 500 American Beauty roses. This was much greater than its own cut, and the firm necessarily had to buy. Lilies also were largely used for commencement purposes. Oscar Geny, the grower of the Geny Bros. firm, managed to have a wonderful supply of Easter lilies, very unusual at this time of year. Candidum lilies were also in blossom in all the old gardens around the city and were largely used for commencements. Miss Kitty Sharples, who has been with the Joy Floral Co. ever since it entered the floral trade, has had great experience with the Nashville public and its floral tastes. She says there is a growing demand each year for spring flowers, the old-fashioned garden varieties, and that her patrons tire of the usual supply of carnations and roses, and desire a change. This season the company has grown an unusual supply of phlox, which has been much appreciated by the public. It has been used as funeral bunches, cut flowers and in designs. Gladioli are also in excellent flower just now and are being used for almost every occasion. Sweet peas are also flowering well at this season, and are very popular just now for bridal flowers. June weddings are coming on thick and fast, which helps out the floral trade.

M. C. D.

Wholesale Flower Markets

BUFFALO, June 17.

Roses, American Beauty	3 00@25 00
" Bride, Bridesmaid, Meteor	3 00@ 8 00
Carnations	1 00@ 2 00
Lily of the valley	2 00@ 4 00
Smilax	15 00
Adiantum	50@ 1 50
Lilies	12 00@15 00
Galax, per 1000, $1 50	
Ferns, per 1000, 1 50	
Mignonette	1 00@ 2 00
Daisies	1 00@ 2 00
Sweet peas	40@ 75
Asparagus Sprengeri, per bunch,	25 50
Asparagus plumosus, per bunch.	25@ 50
Peonies	2 00@ 5 00

CINCINNATI, June 17.

Roses, Beauty, $1 00@$ 4 00	
" Bride, Bridesmaid	3 00@ 6 00
" Richmond	3 00@ 6 00
" Golden Gate	3 00@ 6 00
" Ivory	3 00@ 6 00
Carnations	1 00@ 3 00
Lily of the valley	2 00@ 3 00
Daisies	50
Callas	10 00
Harrisii	12 50
Smilax	12 50@15 00
Asparagus plumosus and Sprengeri in bunches, per bunch, 25c	
Eastern Ferns, per 1000, $2 00	
Galax, Green and Bronze, $1 00	
Iris	2 00
Peonies	4 00
Sweet Peas	50

ST. LOUIS, June 17.

Roses, Beauty, long stems	2 50@ 3 00
" " medium stems	1 50@ 2 50
" " short stems	4 00@10 00
" Bride	2 00@ 5 00
" Bridesmaid	2 00@ 5 00
" Chatenay, Richmond	2 00@ 5 00
" Killarney	2 00@ 5 00
Carnations, common	1 00
" best	1 50@ 2 50
Smilax	12 50
Asparagus Sprengeri	1 00@ 2 00
" cut sprays	1 00@ 2 00
Ferns, fancy, per 1000, $2 00	
Lily of the valley	3 00
Sweet peas	25@ 35

MILWAUKEE, June 17.

Roses, Beauty	75@ 3 00
" Liberty, Chatenay	1 50@ 6 00
" Bride, Bridesmaid	1 50@ 6 00
" Richmond, Golden Gate	1 50@ 6 00
" Perle	1 50@ 6 00
Carnations	50@ 2 00
Smilax, $1 50 per doz.	
Asparagus, sprays	3 00
" Sprengeri	2 00@ 3 00
Lily of the valley	3 00
Adiantum	1 50
Common ferns, $2 00 per 1000	
Harrisii lilies $8 00@10 00 per 100	
Sweet peas	25@ 50

Our New Quarters

GIVE US A TRIAL

Buffalo Cut Flower Co.

495 Washington St.,

BUFFALO, N. Y.

We handle **carnations, roses** and all other kinds of **seasonable flowers** at all times also **wire designs** and **florists' supplies.**

100 **Rubber Plants,** in 5-in. pots, 75c each.
100 " in 6-in. pots, $1 each.

Long Distance Phone

Frontier 3607 Bell, Seneca 3762

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Wholesale Florists and Supplies,

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CUT FLOWERS received twice daily. Can fill your orders to your satisfaction. Also headquarters for **Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns.** Prices quoted on large quantities.

C. A. KUEHN,

Wholesale Florist,

1122 Pine St., **ST. LOUIS, MO.**

A Complete Line of Wire Designs

Weiland & Olinger,

128 E. Third St., CINCINNATI, OHIO.

Wholesale Growers and Shippers of Cut Flowers.

Greenhouses, NEW CASTLE, IND.

Wm. C. Smith & Co.

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1316 Pine St., St. Louis, Mo.

H. G. BERNING,

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

Trade Sale TUESDAY JUNE 23.

GRAND OPPORTUNITY affords all Florists to stock up for next fall with a class of goods needed, consisting of

Palms, Ferns, Crotons, Cocos, Ficus, Asparagus, Chrysanthemums, Etc.

WM. ELLIOTT & SONS, Auctioneers,

42 Vesey Street, NEW YORK.

New York.

WHOLESALERS COMPLAIN.

Summer dullness has seized the wholesale district. Even the poor boon of a good Saturday is now denied the dealers, as its half holiday takes many to the out-of-town pleasure resorts. During the past week there were quite a number of weddings, as well as funerals, but altogether the demand fell far short of cleaning up the market. There is a ray of hope in the fact that the peonies will soon be gone and pulling up is beginning in the greenhouses. There will then, at least, be less stock to throw away.

June 15.—The demand is very light, and the dullness is aggravated by wet and sultry weather. The outlook for the week is not encouraging.

ROSE SOCIETY'S EXHIBITION.

To the exhibitors who spent their time and incurred expense all credit is due, but it seems remarkable that in this great city, in June, a rose show with two supposedly influential societies behind it could not draw more than eight exhibitors. It has been said that the New York public will not go as far as Bronx park to see a flower show, but it may well be excused for not going when the combined exhibits do not exceed that which may be seen in a single first-class commercial or private place. The writer is not disposed to be captious or fault-finding, but to all who might easily have done something to add to the interest in this show, but who did nothing, he would say that it is sincerely to be hoped that such a fiasco will never again occur.

At the meeting of the American Rose Society business of a purely routine nature was transacted, after which there was an interesting lecture on outdoor roses by Leonard Barron, secretary of the Horticultural Society of New York. The lecture was illustrated by lantern slides. As previously stated, praise is due the few who did exhibit. The collections of Messrs. Pierson, Troy, Manda and Van Fleet were all noteworthy and well staged. The Troy exhibit comprised over 40 varieties of roses, all excepting four being suitable for outdoor culture, the exhibit being very tastefully arranged. The Pierson exhibit, in addition to fine roses, was rich in many of the best varieties of peonies and sweet peas. Both Manda's and Van Fleet's exhibits of Wichuraiana and hybrids of their own production were interesting and instructive. Turner's Malmaison carnations were attractive. The Vincent geraniums, considering hot weather and the long distance which they had come, were splendid specimens.

The following were the exhibitors: F. R. Pierson Co., Tarrytown; J. H. Troy, New Rochelle; W. A. Manda, South Orange, N. J.; Dr. W. Van Fleet, Little Silver, N. J.; Lager & Hurrell, Summit, N. J.; Howard Gould (Harry Turner, gardener), Port Washington; R. Vincent, Jr., & Sons Co., Whitemarsh, Md.; Julius Roehrs Co., Rutherford, N. J.

AWARDS.

For the most representative display of varieties in all sections of garden roses: F. R. Pierson Co., first.

Louis Schmutz.

The veteran grower of Flatbush, N. Y., says he has made so much money sending bedding stock to auction the past few weeks that he doesn't know what to do with it.

Sweepstake prize, silver cup (value $25), offered by F. R. Pierson to exhibitor whose combined exhibits in any and all classes are regarded by two judges as being the most comprehensive and instructive: J. H. Troy.

For cut sprays of Wichuraiana polyantha and multiflora varieties or their hybrids: W. A. Manda, first.

SPECIAL PRIZES.

For peonies and sweet peas: F. R. Pierson Co.

For orchids: Lager & Hurrell.

For Malmaison carnations: Howard Gould (Harry Turner, gardener), silver medal.

NOTES.

Hon. Wm. S. Devery, sometimes called Big Bill, has some ideas that are worthy of the attention of the park superintendents of the country. Recently, Mr. Devery was told that Richard Croker wanted the ruins of Philae brought from an island in the river Nile and set up in Central park. After a few general remarks he said: "I'm not in favor of filling Central park with any ruins myself. * * * There is enough stuff in Central park now that oughtn't to be there. A lot of those statues up there, scaring horses and children ought to be given the run. If they put many more buildings and statues and restaurants and boat houses and band stands and garages in Central park, the only way poor people can get any enjoyment out of it is by walking around the outside and looking over the wall." Devery is not a classical scholar but he hits at an abuse that is becoming far too common.

There is a lady in this city, one of the high thinkers, who is called by her friends the modern Hypatia, who believes she can live to be 160 years old, on a diet of love and roses. If she had begun her missionary work earlier in the season and made converts she might now be an honorary member of the Wholesalers' Association. Eating rose leaves is a fine idea and somebody should have thought of it before.

Mrs. Russell Sage has presented to Central park, rhododendron plants, the estimated cost of which is $50,000. Of the lot, about 6,000 are imported hybrids. The planting has been done on the west side of the east drive, and covers a strip a mile long. The thousands of maximums used were bought from a number of different nurseries in this country.

Henry Luhrs, of Myer's store, Fifty-eighth street and Madison avenue, will be married on June 24 to Miss Arabelle Eisle, a beautiful and accomplished young lady and a belle of the Murray Hill section of this city. He gave a farewell bachelor dinner on June 15, at which his employer and fellow employes were present.

The death of George Linsdale, the Thirty-fourth street retailer, though not unexpected, has brought sadness to his family and friends. He has been long a patient sufferer. Coming to this country from England as a poor boy, he, by perseverance and industry, won a respected place among the members of the craft.

Wm. Elliott & Sons will have a big trade sale next Tuesday, June 23, when

Traendly & Schenck,
WHOLESALE FLORISTS,
44 West 28th Street, Phones, 798 and 799. New York City.

Alexander J. Guttman,
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES, 1664-1665 MADISON SQUARE
ENOUGH SAID

J. K. ALLEN, Wholesale Commission Florist.
Consignments Solicited.
Open every day at 6:00 a. m. Telephone, 167 Madison Square.
106 W. 28th Street, NEW YORK CITY.

—FLOWERS SHIPPED BY—
JOHN I. RAYNOR
Are the best product of the best growers for the New York Market.
Adiantum Croweanum sold here exclusively.
49 W. 28th St., NEW YORK.
Telephone 1998 Madison Square.

ALFRED H. LANGJAHR
WHOLESALE FLORIST,
55 W 28th Street, NEW YORK.
All flowers in season. Consignments of first-class stock solicited.
Telephones, 4626 and 4627 Madison Sq.

they will offer a grand assortment of palms, ferns, asparagus, rubbers, chrysanthemums, etc., in the best sizes to buy now for growing on. Don't overlook the date, and the place is 42 Vesey street.

M. A. Bowe executed a very fine decoration June 8 at All Angels' church for the McCoulie-Schneider wedding, many lilies being used. Many fine orchids were also used in the numerous bouquets.

The funeral of O. H. P. Belmont was the occasion of many funeral designs, there being about 100 in all, orchids entering largely into the work, much of which was executed at the Thorley stores.

George Johnston, whose serious illness was noted last week, died June 8. He was a brother to William and Joseph Johnston of the Johnston Heating Co.

Calla Canary Bird grown by Dr. Van Fleet is attracting considerable attention in Vaughan's Seed Store.

Auction sales of bedding plants have brought good returns recently.

W. K. Wood, trade journalist, was a recent visitor.

Brooklyn Retail Florists' Association.

ED. AMERICAN FLORIST:

I wish to inform the wholesale and the general florist trade of New York, as well as the readers of your valuable paper, that the so-called Retail Florists' Association of the Borough of Brooklyn, New York, is an association formed for the purpose of bettering the trade, sociability and standard time for closing, and not to harm or cause any bitter feeling to anyone.

Every retailer doing a legitimate florist business in New York, Borough of Brooklyn, is cordially invited to become a member and is assured of a square deal. Our next regular meeting will be held at the rooms of the association in the Imperial, Red Hook Lane and Fulton street, Brooklyn, June 22, at 9 p. m. sharp.

WM. A. PHILLIPS, SEC'Y,
272 Fulton St., Brooklyn, N. Y.

Tel. 1009 Madison Sq. Established 1872
PERKINS & NELSON,
Wholesale Florists,
57 West 26th Street, Cor. 6th Avenue NEW YORK.

Wholesale Flower Markets

NEW YORK, June 17.

Roses, Beauty, special	8 00@10 00
" " fancy	5 00@ 6 00
" " Nos. 1 2 and 3	50@ 4 00
" Richmond	1 00@ 3 00
" Bride, Bridesmaid, Killarney	
Extra and Special	2 00@ 3 00
No. 1	50
No. 2	25
Carnations, fancy	1 00
" common	25@ 50
Lilies	1 00@ 3 00
Lily of the valley	1 00@ 3 00
Asparagus plumosus strings	25 00@40 00
" per doz. bunches	2 00@ 3 00
Smilax	8 00@10 00
Cattleyas	35 00@50 00
Gardenias	1 00@ 5 00
Callas.....per dozen	30@ 60
Sweet peas.....per dozen bunches	25@ 50
Snapdragon	50@ 75
Stocks	50@ 75
Iris, English	1 00@ 2 00
" German	50@ 75
Peonies	1 00@ 3 00
Gladiolus	2 00@ 4 00

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Receivers and Shippers of
Fresh Flowers
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Telephone 3870-3871 Madison Square.

J. Seligman. Joseph J. Levy.
John Seligman & Co.
WHOLESALE FLORISTS,
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Opposite N. Y. Cut Flower Co.
Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best Prices. Satisfaction guaranteed. Tel. 4878 Madison.

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62 Vesey St., NEW YORK.
HORTICULTURAL PRODUCTS
WHOLESALE...AUCTION
Consignments, Quotations and Correspondence Solicited.
Sales every Tuesday and Friday.

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54 W. 28th St., NEW YORK. Consignments of Choice Cut Flowers Solicited. Prompt payments. Give us a trial. Telephone 3559 Madison Square.

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Wholesale Commission Florists
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Telephone No. 756 Madison Square. NEW YORK.

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WHOLESALE COMMISSION.
American Beauty Roses a Specialty. Roses, Violets, Carnations, Valley, Lilies, Etc.
57 West 28th St., NEW YORK CITY
Telephones: 2200 and 2201 Madison Square.

Walter F. Sheridan
WHOLESALE FLORIST,
Telephones: 3532 and 3533 Madison Sq.
39 West 28th St., NEW YORK

Young & Nugent,
Telephone, 2065-2066 Madison Sq.
42 West 28th St., New York
To out-of-town Florists: We are in the Heart of
And give Special attention to Steamer and Theater orders. Prompt deliveries and best stock in the market.

N. Y. Cut Flower Exchange
Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable Wall Space to Rent for Advertising.
V. S. DORVAL, Secretary.

Samuel A. Woodrow
WHOLESALE
PLANTSMAN AND FLORIST,
53 W. 30th St., NEW YORK.
Out of Town Orders a Specialty.
Telephone 2083 Madison. Consignments solicited

Peonies, Valley, Roses, and all other seasonable cut flowers and greens for your special **WEDDING** and **COMMENCEMENT ORDERS.**

New Fancy Ferns, $1.50 Per 1000

In the Supply Dept.: CHIFFONS and RIBBONS to harmonize with all flowers. Large assortment of Fancy and Novelty BASKETS. Send us an order for WIRE WORK.

A. L. RANDALL CO., Wholesale Florists,

L. D. Phone Central 1496. Private Exchange all Departments

19-21 Randolph Street, CHICAGO.

Philadelphia.

ROSES PLENTIFUL BUT THIN.

The full crop of outdoor sweet peas is now coming in, all the commission houses receiving large consignments. The quality is fine, as only the best varieties seem to be offered. What is now wanted is a large flowered Blanche Ferry, as the color of this fine pink sort is still very popular. Prices range from $2.50 to $5 per 1,000. Roses are very plentiful, with American Beauty leading. Prices are so low that it does not seem the right thing to quote them. The quality is still very good for the season, the flowers holding color and form to a degree not often seen at this time of year. Killarney is much in evidence as the days grow longer, the color is so bright as to be almost red, but the flowers lack substance and should be cut tight these days and brought on in the cool of the cellar or ice box, gradually. Many of the consignments the past week were wide open when the boxes were received. There is much dissatisfaction with Richmond, which develops a very weak neck as soon as the spring growth gets strong and vigorous. The bottom shoots develop into thick canes, but the bud, at the end, opens quickly and has little substance. Liberty is selling better, there being more substance to the flower, and it is in demand for out-of-town orders. Carnations are fast degenerating, and some of the smaller flowered sorts, except white, hardly bring express charges. Some very nice Lords are still seen, this variety and Winsor being about the best of the color. Pink Enchantress also seems to be in demand, it being a better seller now than earlier in the season, when it would scarcely move at any price. Lily of the valley is still so plentiful that very fair stock can be had for $2; $3 to $4 is the price for the carefully selected, on the day it arrives. Green goods, particularly asparagus, are very plentiful. The price remains at 50 cents per bunch of cut sprays. Like the iron and glass list, the price of greens seldom varies, the percentage of discount being determined according to the size of the bunches, which are now most generous. There were several large weddings the past week, at which the decorations were quite elaborate.

NOTES.

Michael Kavanagh died last Sunday night after a lingering illness. He was 50 years of age. Mike, as he was popularly known, was of a most genial disposition. For a number of years he was an assistant foreman at the Robert Craig nurseries, which position he resigned on account of failing health, late last fall. Mr. Kavanagh was a valued assistant, having a thorough knowledge of the business, and one who always took a personal interest in the work of his employers. He had a large circle of acquaintances in the craft who will be pained to hear of his death.

Pennock Bros. are well pleased with their automobile delivery wagon, which was made to their order, being put on the street last fall. It is large and commodious and at the same time ornamental, really better than anything else in the line of delivery wagons in this city. Although more expensive than ordinary horse service, they believe it a paying investment. Their experience is that the motor power should be of the best, of a standard make, and then one is reasonably sure of good and continued service.

The H. A. Dreer Co. has had a quick moving stock in a block of hydrangeas in tubs, large plants carrying quantities of blooms, mostly blue, which were just in time for June wedding decorations. John Rupert, the city salesman, says this firm can not get them in flower fast enough. There is also a good demand for Cibotium Schiedei for summer window decoration. Several houses of this useful fern are grown on each year, but for several seasons here all have been sold before the winter is half over.

Joseph Heacock, who has been an American Beauty rose expert for a long time, in fact, ever since the rose was introduced, has reluctantly said farewell to his old love and will be found the coming season wooing the Irish beauty, the fair Killarney. Mr. Heacock's experience with a limited quantity of this popular variety has been most satisfactory and he will, we are sure, be neck and neck in the race, at the finish, with some of the New England experts at the next meet.

The Leo Niessen Co. says that while business is quiet it is satisfied with the volume of trade for the season. American Beauty roses of good quality are seen here in large quantities. Sweet peas are coming in by the 1,000 and large lots, as many as 35,000 to 40,000, being handled a day.

Charles Fox of Broad and Thompson streets has several large cibotiums in his Broad street windows that are the admiration of all who see them. They have been there for a number of years and are certainly very attractive.

At a church decoration, H. H. Battles used some 300 strings of asparagus and something over 5,000 peonies, as well as other flowers. Decorations at the house were also on an elaborate scale, using quantities of the best flowers.

The Ranstead commission men are certainly very chummy. All three were seen in an automobile in the neighborhood of Fifty-second and Market streets last Saturday, probably looking up growers for next season.

Wm. McKissick is receiving a splendid lot of sweet peas. Some white and pink flowers seen there were of immense size and great substance. He said they were the best he had ever handled.

K.

Pittsburg.

CARNATIONS FAILING.

The summer dullness is now very apparent everywhere and there is very little to report. Carnations are very poor and less of them every day. Roses, excepting Kaiserin and Chatenay, are miserable. Peonies are done for. Lilies sell about the best of anything, they cleaning up nicely.

The Florists' Club met Tuesday night to discuss outdoor flowers. A peony exhibition was scheduled, but the weather advanced the flowers so fast there was very little to this. N. C. Madsen, Sewickley, brought up some very fine strawberries, which were the most interesting things shown. Prizes were awarded for exhibits, but the judges declared none were fit for first place, which was given to no one. The subject of a picnic was brought up and it was decided to hold it at the farm of the Pittsburg Rose & Carnation Co. at Bakerstown, June 25. This will be a basket affair and one to bring the whole family to.

J.

Boston.

FEW WEDDINGS.

There is no general renewal of real business such as is expected in this, the month of weddings. The few decorations have been carried out on an extremely light scale, and the best part of the month is already past. A tremendous influx of all sorts of flowers, both garden and indoor, is swamping the market and the deluge is apparently impossible to check. A fortnight of delightful and very warm June weather has brought out the summer flowers at a remarkable rate; and they are being dumped on the market for what they bring. The summer, so far, has been a singular one, being absolutely free from rain, which is very usual at this time of year. It is badly needed, as plainly shown in the condition of gardens in the suburbs, vegetation being already seriously affected. Thousands of peonies are coming in, and there is absolutely no way of disposing of but a small portion of this stock. Carnations are rapidly going out, greatly relieving the growers, who have persistently held out against odds impossible to overcome. The rose market is pretty well wrecked, it being almost impossible to handle the great quantities forwarded. American Beauty is holding up and a fairly good demand is noticed. In such times as these the superiority of this great rose is easily emphasized. The best grades are at present bringing $2 to $3 per dozen. Richmond is practically over and Killarney is rapidly approaching the same stage. The first outdoor roses are already on sale. Sweet peas of numerous colors are available in great quantities, and fill the major portion of the demand for small flowers. Lily of the valley of indoor production is again in control, and the consumption is fairly heavy. The last of the frame flowers are gone and prices have advanced sharply.

The police department of the city is closely watching flower shops particularly, and several arrests of late have proven sufficient warning that the laws are not to be tampered with regarding the observance of Sunday. Those shopkeepers who persist in keeping open are destined to meet with trouble and they make a grave mistake in antagonizing the police.

Wm. Gilson, for many years in the employ of John T. Butterworth of South Framingham, is now associated with Thomas Roland of Nahant, and without doubt will prove a valuable addition to the large corps of assistants already enrolled.

For the June market, in which lily of the valley is the most important requisite, John McFarland of North Easton is prepared to meet all demands with a large crop of extra quality.

Samuel Neil is distributing the first outdoor Jacqueminot roses of the season from his establishment in Dorchester, from which he is cutting great quantities.

B.

Buyers of Cut Flowers

Will find a reliable source of supply in dealing with

THE LEO NIESSEN CO., Wholesale Florists, 1209 Arch St., Philadelphia, Pa.

Everything Seasonable.

PITTSBURG FLORISTS' EXCHANGE, —15— Diamond Sq., Pittsburg, Pa.

AMERICAN BEAUTIES

Lily of the Valley, Carnations and all Tea Roses,

In lots of one hundred to one thousand. Phone or wire us.

WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

GRAFTED AND OWN ROOT ROSES

KAISERIN, CARNOT, KILLARNEY, RICHMOND, LIBERTY, BRIDE and BRIDESMAID.

—Send For Prices—

W. H. ELLIOTT, BRIGHTON MASS.

NOTICE.

A fine lot of commercial Orchid Plants for sale at a reasonable price.

JOHN W. McINTYRE,

1601 Ranstead St., PHILADELPHIA.

J. J. Harty & Company

Wholesale and Commission

.FLORISTS.

1312 G St., N. W., Washington, D. C.

Phone Connection Main 5011

CARNATIONS in quantity. Special prices on large orders.

ABSOLUTELY THE BEST POSSIBLE SERVICE.

W. E. McKissick

WHOLESALE FLORIST.

Business Hours 7 a.m. to 8 p.m. 1619-1621 Ranstead St., PHILADELPHIA, PA.

Massachusetts Horticultural Society.

The following is a partial list of awards at the rose and peony exhibition of the Massachusetts Horticultural Society held June 13-14:

Hardy roses, 24 distinct named varieties, three of each—W. J. Clemson, first. Three blooms of any white hybrid perpetual rose—E. E. Lincoln, first. Hardy roses, 12 named varieties, three of each—E. E. Lincoln, first; W. J. Clemson, second; Mrs. Aaron Ward, third. Six named varieties, three of each—W. J. Clemson, first; Mrs. Aaron Ward, second. Twenty-four named varieties, one of each—Wm. Whitman, first; Mrs. Aaron Ward, second. Twelve named varieties, one of each—Mrs. Aaron Ward, first. Six named varieties, one of each—Mrs. Aaron Ward, first. Best collection of hybrid tea roses—Mrs. Aaron Ward, first. Best three blooms of a variety introduced since 1903—W. J. Clemson, first. Six blooms of Frau Karl Druschki—W. J. Clemson, first. Six blooms of Mrs. R. G. Sharman Crawford—E. E. Lincoln, first. Six blooms of Margaret Dickson—W. J. Clemson, first; E. E. Lincoln, second. Six blooms of any other variety—W. J. Clemson, first; Mrs. Frederick Ayer, second and third. One hundred bottles of hardy roses, in the society's racks—W. J. Clemson, first; Mrs. Frederick Ayer, second; Mrs. E. M. Gill, third; Mrs. J. L. Gardner, fourth; Col. Frederick Mason, fifth. The peony classes were well filled and the display was excellent.

BELLINGHAM, WASH.—Decoration day business was about the same as last year with D. M. Kersey. Roses were scarce and carnations much in demand. Pot azaleas sold well.

Wholesale Flower Markets

PHILADELPHIA, June 17.

Roses, Tea	4 00@ 6 00
" " extra	8 00@10 00
" Liberty	6 00@25 00
" Beauty, extra	20 00@25 00
" " first	10 00@15 00
Carnations	1 50@ 3 00
Lily of the valley	2 00@ 3 00
Asparagus, bunch	50 00
Smilax	15 00@20 00
Adiantum	1 00@ 1 50
Cattleyas	50 00@60 00
Lilium Harrisii	6 00@ 8 00
Mignonette	2 00@ 3 00
Sweet peas	50@ 75
Gardenias	15@ 25

PITTSBURG, June 17.

Roses, Beauty, specials	20 00@25 00
" " extras	12 00@15 00
" " No. 1	8 00@10 00
" " ordinary	4 00@ 6 00
" Bride, Bridesmaid	2 00@ 8 00
" Chatenay	2 00@ 8 00
" Richmond	3 00@ 8 00
" Perle	4 00@ 6 00
" Killarney	3 00@ 8 00
Carnations	1 00@ 2 00
Lily of the valley	3 00@ 4 00
Smilax	15 00
Asparagus, strings	50 00
" Sprengeri	3 00@ 4 00
Lilies	12 50
Adiantum	1 00
Cattleyas	60 00@75 00
Sweet peas	50
Gladiolus	4 00@ 6 00
Iris, Spanish	4 00
Daisies	50@ 1 00
Coreopsis	50

BOSTON, June 17.

Roses, Beauty, best	15 00@20 00
" " medium	10 00@12 00
" " culls	2 00@ 4 00
" Bride, Bridesmaid	1 00@ 2 00
" Extra	4 00@ 8 00
" Liberty	8 00@12 00
Carnations	75@ 1 00
" Fancy	1 00@ 2 00
Smilax	8 00@12 00
Adiantum	75@ 1 00
Lilies	6 00@ 8 00
Asparagus	35 00@50 00
Harrissi	6 00@ 8 00
Callas	4 00@ 8 00
Narcissus	1 00@ 2 00
Sweet peas	35@ 50
Peonies	2 00@ 3 00

J. B. Murdoch & Co.

714 Penn Avenue,
PITTSBURG, PA.

All Seasonable Flowers.

Pittsburg Cut Flower Co.

(Limited)

WHOLESALE FLORISTS

222 Oliver Ave. PITTSBURG, PA.

Newport.

SUMMER PROSPECTS GOOD.

Although for the last few weeks business has been dull, things have taken a decided change, and the prospect for a busy summer seems good.

The fire that destroyed the new Cliffs hotel last week also destroyed the vegetable garden at the Winthrop Chanler place adjoining. This will prove a considerable loss to Wm. Postings, the gardener, as he had a contract to supply vegetables to the family to whom the estate was rented.

The Horticultural Society holds its annual rose and strawberry show in Masonic hall, June 23-24. This should be an interesting and successful show, as a large number of the gardeners have signified their intention of exhibiting.

The W. B. Leeds estate, formerly owned by F. W. Vanderbilt, has been considerably changed and a decided improvement is noticeable.

Spaulding & Hodgson have opened their floral establishment on Bellevue avenue for the summer.

V. A. Vanicek reports a good season in the nursery line.

Samuel Smith had the first sweet peas in bloom here.

Visitors: W. E. Marshall, of W. E. Marshall & Co., New York; J. Rickards, of Rickards Bros., New York. Z.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

London, Eng.

COMMISSIONS CARRIED OUT IN LONDON

or any part of Great Britain.

Messrs. WILLS & SEGAR will attend to any commissions from American florists for the supply of Cut Flowers, Birthday Flowers, Bouquets, High Class Floral Designs, etc. to their clients who may be traveling in England.

WILLS & SEGAR, Court Florists to His Majesty, The King.

ROYAL EXOTIC NURSERY.

TELEGRAMS. FLOSCULO, LONDON. Onslow Crescent, South Kensington, LONDON, ENGLAND.

Kansas City, Mo.

WILLIAM L. ROCK Flower Co.,

Will carefully execute orders for Kansas City and any town in

Missouri, Kansas or Oklahoma.

Detroit, Mich.

John Breitmeyer's Sons

Cor. Miami and Gratiot Aves.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Omaha, Neb.

Hess & Swoboda,

FLORISTS,

1415 Farnum St. TELEPHONES 1501 and L 1582

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in WISCONSIN.

Los Angeles, Cal.

J. W. Wolfskill,

FLORIST,

Telegraph Orders a Specialty. 218 W. 4th St.

Boston, Mass.

HOUGHTON & CLARK,

FLORISTS

Telephone Connection. 396 Boylston St.

Seattle, Wash.

Woodland Seed & Floral Co.,

808 Second Avenue,

Will fill all orders for Cut Flowers, etc. for steamers for Japan and Alaska or any part of the Pacific coast. A. L. AABLING, Gen. Mgr.

Louisville, Ky.

JACOB SCHULZ,

644 FOURTH AVENUE.

Cut Flowers of BEST QUALITY in season, delivered promptly to any address. Write, Telegraph or Telephone

Cumberland and Home Phones 223 and 984

Philadelphia, Pa.

Robert Kift,

1725 Chestnut Street.

Prompt and Careful Attention given to all Mail and Telegraph orders.

Brooklyn, N. Y.

Robert G. Wilson

Fulton St. and Greene Ave.

Greenhouses: Short Hills, N. J.

— Deliveries in —

Greater New York, Long Island and New Jersey.

Trade orders from all parts of the country filled for delivery at residence, steamer, hotel, or theater on wholesale basis. Satisfaction guaranteed. Wire or telephone.

Evansville, Ind.

THE

Wm. Blackman Floral Co.

402 MAIN STREET.

Prompt attention given to all mail, telephone and telegraph orders.

Galveston, Tex.

Mrs. M. A. Hansen

—FLORIST—

Special attention to Telegraph or Telephone orders. 'Phone 1912.

St. Paul, Minn.

HOLM & OLSON,

ST. PAUL.

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in MINNESOTA AND THE DAKOTAS.

Rochester, N. Y.

J. B. KELLER SONS,

FLORISTS,

25 Clinton Avenue, N.

Rochester Phone 506. Long Dis. Bell Phone 2189.

Washington, D. C.

Blackistone

14th and H Streets

New Orleans

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, 838 CANAL ST.

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address: "Daniels, Denver."

Columbus, O.

FUNERAL WORK PLENTIFUL.

Business has been very brisk during the past week. Funeral work takes the lead, as the average number of weddings is considerably lower than in former years. Roses and carnations are of very good quality, and the quantity so far has been sufficient. Sweet peas have proven a very popular flower this season, and the prices have been good, ranging from $1 to $1.50 per 100. The call for lavender has been excessive, being far greater than the supply.

NOTES.

S. F. Stephens, the florist at Green Lawn cemetery, is now pushing work rapidly to completion. As Mr. Stephens has the entire care of the landscape garden work and bedding, it takes him some time to complete the enormous amount of work to be done.

Our city parks are now beginning to look more cheerful, owing to the efforts of their respective superintendents. Jas. Underwood has been doing some nice work at Franklin park, and also the florist at Schiller park.

Chrysanthemums are being planted now and some fine stock can be seen by a visit to the different establishments.

CARL.

Albany, N. Y.

GOOD CALL FOR CUT FLOWERS.

The past week brought with it a number of weddings and commencement exercises of public and private schools, functions that called for the use of flowers in considerable numbers. The events came along so regularly from day to day that the local florists were able to order more than usual quantities of stock and to dispose of them satisfactorily.

Daniel Whittle was re-elected treasurer at the last meeting of the Musical Association, the most important organization of the kind in the city. Mr. Whittle has an excellent tenor voice and is well known in local musical circles.

Amos Balfoort, 121 Northern boulevard, will shortly excavate for and install a new hot water boiler to heat his store.

R. D.

DENVER, COLO.—The Washington Park Floral Co. has been incorporated with capital stock $25,000. John C. and Frank A. Buckman and Newton Anderson are the incorporators.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

Chicago.
Established in 1857.
Wittbold FLORIST
1657-1659 Buckingham Place,
L. D. Phone 558 Lake View.
Send us your retail orders.
WE HAVE THE BEST FACILITIES IN THE CITY

St. Louis, Mo.
Fred C. Weber,
FLORIST,
Established 1873. Bell, Lindell 676. 4320-4328 Olive St.

San Francisco, Calif.
J. B. Boland Co.
Successors to Sievers & Boland.
FLORISTS,
60 KEARNY STREET.

Cleveland, O.
The Cleveland Cut Flower Co.
Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

New York.
MYER, FLORIST,
609-611 MADISON AVE.
Phone 5297 Plaza.

WASHINGTON D. C.
GUDE BROS. CO. FLORISTS 1214 F ST. N.W. WASHINGTON, D.C.
Gude's.

St. Louis, Mo.
WRITE, WIRE OR PHONE YOUR ORDERS TO
YOUNGS,
1406 Olive Street.
Regular discount allowed on all orders, either Plants or Cut Flowers.
Phones Bell, Main 2806. Kinloch, Central 4981.

Dayton, O.
Matthews,
—FLORIST—
16 W. 3rd Street.
Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones

We Want to Fill Your Orders for Kansas City and Vicinity

upon the usual terms and offer: *(1) Thoroughly reliable and prompt service; (2) stock that will reflect credit on your firm; (3) the same good treatment that we, in turn, hope and expect to receive at your hands.*

We do a Hundred Thousand Dollar Retail Business annually; hence keep the largest and finest assorted stock in Kansas City always on hand. We are "Kansas City's Largest Retail Flower Shop." Correspondence with out-of-town florists solicited.

ALPHA FLORAL CO., *1105 Walnut St., KANSAS CITY, MO*

Chicago.
HAUSWIRTH FLORIST
M. C. and J. E. Hauswirth.
Auditorium Annex.
Mail, telegraph or telephone orders filled promptly in best style.

Atlanta, Ga.
ATLANTA FLORAL CO.
41 PEACHTREE STREET.

A Good Window Sign.

June 23, Kronprinzessin Cecilie, Bremen-N. Y.
June 23, Kaiser Wilhelm II, New York-Bremen.
June 23, Ultonia, Trieste-New York.
June 24, Main, Baltimore-Bremen.
June 24, Haverford, Liverpool-Philadelphia.
June 24, Majestic, New York-Southampton.
June 24, Noordam, New York-Rotterdam.
June 25, La Provence, New York-Havre.
June 25, Dominion, Liverpool-Montreal.
June 25, Arabic, New York-Liverpool.
June 25, Baltic, Liverpool-New York.
June 25, Deutschland, New York-Hamburg.
June 25, Tunisian, Liverpool-Montreal.
June 25, Koenig Albert, Genoa-New York.
June 26, Corsican, Montreal-Liverpool.
June 26, Marquette, Philadelphia-Antwerp.
June 27, Philadelphia, New York-Southampton.
June 27, New York, Southampton-New York.
June 27, Noordland, Philadelphia-Liverpool.
June 27, La Touraine, Havre-New York.
June 27, Canada, Montreal-Liverpool.
June 27, Parisian, Montreal-London.
June 27, Caledonia, New York-Glasgow.
June 27, Furnessia, Glasgow-New York.
June 27, Patrica, New York-Hamburg.
June 27, Ryndam, Rotterdam-New York.
June 27, Kroonland, New York-Antwerp.
June 27, Vaderland, Antwerp-New York.

Indianapolis, Ind.
Bertermann Bros. Co.
FLORISTS
.....241 Massachusetts Ave.

Albany, N. Y.
EYRES
Flowers or Design Work.
DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.
11 NORTH PEARL STREET,

Denver, Colo.
The Park ...Floral Co.
J. A. VALENTINE, President.

M. A. Bowe
IN HEART OF NEW YORK CITY.
Phone, 2270 38th St. 1294 Broadway, N. Y.
Our Motto—THE GOLDEN RULE.

Kansas City, Mo.
GEO. M. KELLOGG,
906 Grand Avenue,
KANSAS CITY and PLEASANT HILL, MO.
Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

Buffalo, N. Y:
Palmer's
W. J. Palmer & Son, 304 Main St.

Nashville, Tenn.
Joy Floral Co.,
610 CHURCH STREET.

The Seed Trade.

American Seed Trade Association.
Geo. S. Green, Chicago, Pres.; M. H. Duryea, New York, First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-sixth annual convention, June 23 to 25, at Hotel Ponchartrain, Detroit, Mich.

Congressional Seedsmen.

PUBLIC PAYS SALARIES AND SUPPLIES SEEDS.

If the current custom of indiscriminate distribution shall indefinitely continue, if this congressional comedy shall drift into a continuous performance, we shall ultimately be driven to the mournful admission that we are not statesmen, but seedsmen; and it will be in order for some distinguished seedsman, some sainted hero of a score of memorable distributions, some legislative knight upon whose shield is blazoned a radish in its glory or a turnip in repose, to arise in his place with becoming gravity and move, Mr. Chairman that the American eagle be taken from the mace and supplanted by a package of vegetable seed as the supreme emblem of the genius, the character, and the principal occupation of American statesmanship.—*Morris Sheppard, of Texas, in House of Representatives.*

DANDELION SEED is reported as a probable short crop in France.

CHAS. P. BRASLAN and wife will sail from New York for Liverpool on the S. S. Cedric June 18.

LAST year the government contract for packeting seeds under free seed distribution required 60,000,000 packets. It is expected this quantity will be reduced 15 per cent in 1909.

"ON my way to Chicago I saw many grass and clover fields in Iowa and Illinois containing mustard; the farmer must be held responsible, if any seed law is to be enacted," says Wm. Kueker of the Farmer Seed Co., of Faribault, Minn.

MUSCATINE, IOWA.—Watermelon and muskmelon are starting off well, but the striped beetle has to be fought. Pepper plants are set out and have been cultivated once. Egg plants have had a hard time of it. Asparagus fields are blooming well. H.

SAN FRANCISCO, CAL., June 13.—C. C. Morse & Co. advise that the California seed crops are still holding their own pretty well, with the exception of sweet peas, which will be light. Continued cool, foggy weather has helped the crops to withstand the long continued drought.

DEALERS in French bulbs expected that by holding back their orders for Narcissus Paper White Grandiflora they could obtain a price of two francs better per 1,000, but the growers did not yield and one of them commenced to buy about the end of May, and that fixed prices definitely for the narcissus.

MILWAUKEE, WIS.—Wm. E. Dallwig, the well known seedsman of this city, celebrates his twenty-fifth business anniversary this year, having started his seed business in 1883. Mr. Dallwig says that notwithstanding the somewhat adverse conditions this season, his business has been considerably above the average.

Braslan Seed Growers' Co.
Growers for the Wholesale Trade Only.
SAN JOSE, CAL.

CHICAGO.—Dry and cooler weather has stopped the maggot ravages in onion sets in this vicinity.—Grass seed prices on the board of trade June 10 were noted as follows: Prime timothy, $4.15 (nominal); choice white clover, $15.—Chas. Loechner left for the east at 2 p. m., June 13.—Carl Cropp and wife and son are on an automobile trip to Minneapolis by way of Milwaukee.—Visitors: Wm. Kueker, manager Farmer Seed Co., Faribault, Minn.; F. A. Wilson, of L. L. Olds Seed Co., Clinton, Wis.

NEW YORK.—R. J. Irwin of H. H. Berger & Co. is attending to office duties during the absence in Europe of Mrs. and Miss Berger. A. Henderson of Vaughan's seed store, Chicago, has been here, with headquarters at the Barclay street store. Anton C. Zvolanek, the Boundbrook, N. J., sweet pea specialist, is on a California trip. All report business good here. J. M. Thorburn & Co. worked 100 nights and four Sundays. Wm. F. Bruggerhof is now in Vancouver, B. C. Wm. Hagemann sailed for Europe June 9. F. H. Henry, of Henry & Lee, sailed for Bermuda June 16. A number of Hollanders sailed last week on the S. S. Ryndam for home, including P. M. Koster, of Koster & Co., and J. Blaauw, of J. Blaauw & Co., Boskoop; — Ebbinge, Wm. Satter, of Ebbinge & Van Groos, Boskoop, and Wm. Taat, of M. Van Waveren & Sons, Hillegom. They state that the nursery business is away ahead of their expectations and the bulb business about 25 per cent short of that of last year. Florists have reduced their orders about 25 per cent and seed houses 10 to 15 per cent.

Long Island Cabbage Seed.

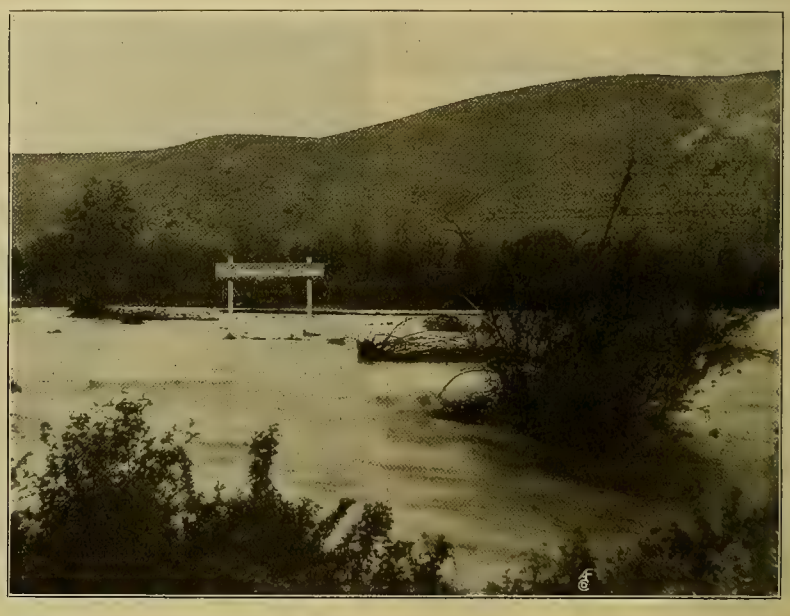
Long Island, June 15.—The cabbage seed crop of Long Island, which in the early part of the season promised an abundant yield, has in the last few days been greatly damaged by the maggot, and as a consequence it now seems probable that the yield will be below an average one, and that growers will be obliged to make short deliveries on a number of leading varieties.

American Seed Trade Association.

DETROIT CONVENTION, JUNE 23-25.

Arrangements have been made by the Wabash Railroad to take members of the American Seed Trade Association and their friends to Detroit on its 11 p. m. train Monday, June 22, arriving in Detroit at 7:30 a. m. Ample sleeping car accommodations will be provided for all who can make it convenient to take this train, as all members who have thus far arranged for their sleeping car accommodations will leave on the above date and train. For those who are unable to take this train or wish to leave earlier in the day the Wabash has trains leaving Chicago at 12:04 p. m. (noon) and 3 p. m., arriving in Detroit at 8:10 p. m. and 10:50 p. m., respectively.

Sleeping car accommodations and railroad tickets can be secured at the Wabash city ticket office, 109 Adams street, or its depot, Dearborn station, Polk and Dearborn streets, By communicating with Leonard H. Vaughan, 84 Randolph street, or the Wabash ticket office, 109 Adams street, sleeping car accommodations will be reserved for all who apply.



THE RECENT FLOODS IN MONTANA.
Grounds of the State Nursery Co., Helena, Submerged.

California Beans.

F. L. Hogue writes as follows, June 11: "Although we had an unusual amount of dry wind and cool weather during the greater part of May, we are now having very favorable weather and seed beans in this and the Lompoc valley are looking very well indeed. Some few fields show rather a light stand on account of the seed being damaged by rain last fall. We expect to make full delivery on nearly all varieties of beans that we grow. We have 2,000 acres devoted to the raising of seed beans this year."

It is expected that a large number will attend the convention from Chicago and other western cities.

Iowa Seed Dealers' Association.

The annual reports of the officers of the Iowa State Seed Dealers' Association, which met at the Chamberlain hotel, Des Moines, June 9, showed great progress in the affairs of the organization. The membership is larger than ever before and the society is in better financial condition. About 300 persons attended the convention, a far larger number than was expected.

In his opening address, President C. N. Page urged co-operation among the members of the society with the object of competing more successfully with dealers of other states. He dwelt upon the advantages of a change in the state seed law and asked the members of the organization to work in conjunction to bring sufficient pressure to bear upon the state legislature to secure a repeal or amendment of the measure. He declared that the law discriminates against dealers in the state in favor of seed men from surrounding territory.

The afternoon meeting was addressed by Professors B. H. Pammel, P. W. Holden and B. W. Crossley, of Ames; H. R. Wright, the state seed commissioner; Jas. Atkinson and Geo. W. Franklin. The following visitors attended: Mel. L. Webster, Independence; H. A. Johns, Sioux City; C. G. Ouren and O. Younkerman, Council Bluffs; E. M. Cole, Pella; Henry Field, J. W. Ratekin and H. E. Eaton, Shenandoah; B. H. Adams and W. C. Adams, Decorah; B. C. Hanssen, Davenport; J. A. Kramer and John T. Hamilton, Cedar Rapids; J. F. Sinn, Clarinda; W. W. Vansant, Farragut; G. L. Bissell, Ottumwa; F. J. Olsan, Ames; N. J. Burt, Burlington; M. Young, Jr., Winterset; William Brown, Mitchellville. The local dealers, E. J. Hohberger, Guthrie Lorenz Co. and the Iowa Seed Co. were also represented.

Seed Trial Grounds Washed Out.

The recent exceptional rains in Montana played havoc with the seed trial grounds of the State Nursery Co. of Helena. Ten Mile creek that flows through the nursery overflowed its banks completely and washed out the seed trial grounds on which a large amount is spent annually. The Northern Pacific track that runs for over a mile through the nursery grounds was washed away for 50 feet—it was this track that saved the 47 greenhouses of the company, acting as it did as a barrier to the flood's progress in that direction. One of the nursery's bridges was carried off and the pretty rustic bridge that leads to the street car station was badly disfigured. Practically the whole of the nursery's staff were engaged in an endeavor to stem the flood but nothing could turn its course. Moving at the rate of nearly 15 miles an hour it carried all before it, boulders being deposited where seeds and plants had just before been. The accompanying illustration, good as it is, does not convey an adequate idea of the wild rush of the waters that drained off the Rockies and rushed through the gulch in which the nursery stands.

STATE SENATOR WALTER CLYDE JONES is being urged by his friends to make the race for congress to succeed J. R. Mann, sponsor of the notorious seed bill.

ESTABLISHED IN 1824.

Bridgeman's Seed Warehouse

RICKARDS BROS., Props.,

37 East 19th St., bet. Broadway and 4th Ave., New York

Telephone: 4235 Gramercy.

Rogers Brothers,

SPECIALTY GROWERS.

Purest Strains GARDEN PEA and BEAN SEED.

For the Wholesale Trade. ALPENA, MICH.

CAULIFLOWER CABBAGE SEED

HJALMAR HARTMANN & CO.

31 Barclay St. NEW YORK. 12 Stormgade, COPENHAGEN, DENMARK.

MICE PROOF SEED CASES

SEND FOR BOOKLET.

HELLER & CO., Montpelier, O.

Roemer's Superb Prize Pansies

The Finest Strain of Pansies in the World. Introducer and grower of all the leading novelties. Highest award, International Exhibition, Dusseldorf, 1905. Catalogue free on application.

Fred Roemer, —Seed Grower.— QUEDLINBURG, GERMANY

H. H. TILLY CO.

SEATTLE, WASH.

Growers of

Puget Sound Cabbage Seed.

Asparagus Plumosus Nanus

Per 1000 seeds, $2.00

Asparagus Sprengeri, Per 1000 seeds, 75c.

W. C. BECKERT,

North Side, PITTSBURG, PA.

WINTER FLOWERING

SWEET PEAS SEED,

Lavender, Salmon and all colors.

New crop ready in August. Ask for list

ANT. C. ZVOLANEK, Originator

BOUND BROOK, NEW JERSEY.

S. M. ISBELL & CO.

JACKSON, MICH.

Contract Seed Growers,

Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.

Correspondence Solicited.

Write for Prices on Surplus Stocks for Immediate Shipment.

Seed Beans

F. L. HOGUE,

CARPINTERIA, CAL.,

Grower for the Wholesale Trade only.

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower

Specialties: Lettuce, Onion, Sweet Peas, Aster Cosmos, Mignonette, Verbena, in variety. Correspondence solicited.

Proceedings

Of the Congress of Horticulture held at the Jamestown Exposition, September 23, 1907.

Linen Bound. 108 pages. Price 25c.

This publication includes the formal adddresses and discussions of the papers read at the meeting which covered the various phases of Horticulture This meeting was pronounced by Horticultural authorities as one of the greatest Horticultural meetings ever held in a single day. For copies address

H. C. IRISH, Secretary

National Council of Horticulture, Missouri Botanical Garden. St. Louis, Mo.

ASPARAGUS PLUMOSUS NANUS SEED

Fresh, 95% Germination.

Reduced on account extra large crop,.....$1.50 per 1000. Large lots less.

DRAKE POINT GREENHOUSES, Yalaha, Florida.

THE WABASH TO DETROIT

Only Line Between Chicago and Detroit Running Free Reclining Chairs.

Open sleeper reserved for seedsmen on night train June 22. Compartment cars. Trains leave the Dearborn Station, Dearborn and Polk Sts., as follows:

12:04 noon, arriving 8:50 p. m.
3:00 p. m., " 10:50 p. m.
11:00 p. m., " 7:30 a. m.

Reservations may be made on application to

LEONARD H. VAUGHAN, 84 Randolph St., Chicago,

or to the

CITY TICKET OFFICE, Wabash Railroad, 109 Adams St., Chicago.

Round trip fare, Chicago to Detroit, $11.00; berths, $2.00.

MARKET GARDENS.

TEXAS BERMUDA ONIONS a year ago were $2.25, Silver Skin and Yellow, and today they are sold at $1 a crate. In Chicago alone 40 cars have been sold for freight this season.

POTATOES are $1.40 a bushel on the Chicago market this week and a year ago they sold for 60 cents a bushel. This condition is said to be due to the cold, backward weather.

Grape Black Alicante in England.

A fine example of good culture we saw last fall, when calling upon Thos. Rochford & Sons, Ltd., at Turnford Hall nurseries, near Broxbourne, England. Two houses, spans 35x500 feet, have been planted four years, the present crop being the third. The vines are grown

Model Bunch of Black Alicante Grape.

on the double rod system, three feet between each rod. The grapes (see illustration) were perfect, both in bunch and berry, color grand.

These grapes were only being cut to order, the firm waiting for the turn of the market, 50 cents per lb not being sufficient for grapes of this quality. We saw five bunches cut weighing 11 pounds, but H. Kelsall, the manager, said that previously four bunches had been cut weighing 14 pounds. In addition they had cut from the same houses bunches between four and five pounds each. Each rod averaged 18 bunches; 75 pounds per vine. The growth of rod above the fruit was well in advance of the cut back mark, the rods only fruiting about two-thirds up the rafter. There is a great thoroughness in all this firm take in hand, and in none is it more shown than in their grape culture. S.

Mulching.

It will soon be time to think of the summer mulch. Where plenty of manure is at hand, or easily obtained, this is not much of a problem. However, there are plenty of cases where this is not readily secured and the only way out is by timely preparation. Either have the manure shipped so it will be on hand when needed or where it can be hauled; it should be regularly looked after. The next point is manure storage. The bulk of manure used is horse manure. Its nature is such that storage is not easy. If at all piled, it will fire quickly and is then of low value. Horse manure is richest in nitrogen and this heating process sets free most of it. Prevent this loss by all means. There are several methods available. One is to have a water tight bottom or manure pit and keep it well soaked. The objection to this is that it is in bad shape to put into the houses.

A better way is to haul in long, very flat piles and add to each layer of manure a layer of dry earth, sand, coal ashes or any other such material that may be desirable in the houses. Then either drive over the piles often or set a team of horses to tramp over the piles daily, for a few minutes, to drive out the air and thus prevent heating. Another method is very good where some stock is at hand, either hogs, cattle or horses. Haul it into their yard and let them do the compacting for you. If exposed to hogs, add a little grain; the hogs will dig and turn the manure over and over and reduce it into a fine mass in short order. MARKETMAN.

WELLINGTON, O.—Thos. G. Yale reports the best business ever experienced on Decoration day, and that trade has been very good all the spring. Cut flowers and plants have sold well and there are not enough of some varieties of plants left for stock.

TO THE TRADE

HENRY METTE QUEDLINBURG, GERMANY.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: **Beans**, Beets, Cabbages, **Carrots**, Kohl Rabi, Leek, Lettuces, **Onions**, **Peas**, **Radishes**, Spinach, Turnips, Swedes, **Asters**, Balsams, Begonias, Carnation Cinerarias, Gloxinias, Larkspurs, Nasturtiums, **Pansies**, Petunias, Phloxes, Primulas, Scabious **Stocks**, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, mixed), the most perfect and most beautiful in the world, $5.00 per oz.; $1.50 per ¼ oz.; 75c per 1-16 oz. Postage paid, Cash with order.

All seeds offered are grown under my personal supervision on my own grounds of more than 3,000 acres, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

List of my novelties in flower seeds for 1908 sent on application.

Vegetable Plants.

Cabbage. Wakefield, Early Flat Dutch, Early All Head. Early Drumhead, and other early varieties, Surehead, Late Flat Dutch, Danish Round and Ball Head, and other late varieties. 20c per 100, $1.00 per 1000, $8.50 per 10,000.

Tomato, Stone, Favorite, Paragon, etc., at 20c per 100. $1.00 per 1000, $8.50 per 10,000; Dwarf Stone and Champion, June Pink and Early Jewell. 40c per 100, $2.00 per 1000.

Celery, White Plume, Giant Pascal, Gol. Heart, and other varieties, at 20c per 100, $1.00 per 1000, $8.50 per 10,000.

Beet, Eclipse, Crosby and Egyptian, 25c per 100, $1.25 per 1000.

Cash with order.

R. VINCENT, Jr. & SONS CO.,
WHITE MARSH, MD.

If You Want a Really Successful Crop of Mushrooms use only

JOHNSON'S

MUSHROOM SPAWN

NOTE THE ADDRESS

JOHNSON'S LTD.,
44 Bedford Row, LONDON, ENGLAND.

MUSHROOM SPAWN

The **VERY BEST** that **ENGLAND MAKES.** The best is the cheapest. **VIRGIN** track used **ONLY.** We want American buyers to send us a trial order. We are certain of shipping regular supplies after you have seen crop.

ESTABLISHED 25 YEARS

WRITE US TO-DAY

J. PITHER, Ltd.,

Mushroom Growers and Spawn Manufacturers

UXBRIDGE, London, Eng.

American growers visiting this country are cordially invited to inspect our grounds.

The Largest in the Country.

Kindly mention the American Florist

FLORISTS have a splendid opportunity of raising **Mushrooms** by utilizing the **waste space** under the benches, and then utilizing the **waste material** of expended mushroom beds in growing flowers. **Lambert's Pure Culture MUSHROOM SPAWN**, the best spawn in the market, is sold by all leading seedsmen. A fresh sample brick, enough for a trial bed, together with illustrated book on "Mushroom Culture" will be mailed postpaid upon receipt of **40c** in postage stamps. Address **American Spawn Company, St. Paul, Minn.**

ROCK FALLS, ILL.—Rumor has it that a large greenhouse plant to be devoted to market gardening crops is to be built here shortly.

Prices of Indoor Vegetables.

The prices of indoor vegetables at leading points June 13 were as follows: New York, tomatoes, 10 cents per pound; mushrooms, 30 cents to 90 cents per pound. Cincinnati, cucumbers, 25 cents to 30 cents per dozen. Mushrooms, 50 cents to 60 cents per pound. Boston, cucumbers, $4.50 to $5 per box. Chicago, mushrooms, 40 cents to 50 cents per pound.

Intensive Vegetable Gardening in England.

Consul-General Robert J. Wynne forwards from London a newspaper account of the successful introduction of French gardening methods into England, by which an acre of ground is made to yield from £500 to £600 ($2,433 to $2,920) annually. Hotbeds and glass bell jars are extensively employed for the production of vegetables all the year round. Some of the crops are lettuce, cauliflower, celery, carrots and melons, the latter being forced by a steady temperature of 90°, generated by manure.

Tomatoes for Export.

Consul John L. Griffiths, of Liverpool, in reporting that there has been a decided falling off in the importation of canned fruits from the United States into England during the last two years, gives the following particulars regarding tomatoes:

"Tomatoes are imported in increasing quantities each year from Italy. The quality of these tomatoes is stated to be good and the prices low. Large quantities of canned tomatoes are also shipped now each season from Italy to the eastern part of the United States, and the American shipments to this market are much smaller than formerly. It is suggested by one of the leading importers in Liverpool that the American tomatoes are frequently packed before they are fully ripe, and that this practice renders them undesirable for use. The Italian tomatoes are carefully selected, and are only packed after they have attained a ripe and rich color. If the American packers desire to increase their shipments of tomatoes to this country, they must exercise the greatest care in their selection and preparation for the English market.

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,
Successors to L. K. Peacock, Inc. ATCO, N. J.

FREESIA
Refracta Alba.

CALIFORNIA GROWN BULBS.

	Per 100	1000
Mammoth, ¾-inch and up	$0.80	$7.00
Choice, ½ to ¾-inch.	.65	5.00
First Quality, ⅜ to ½-inch	.45	3.00

Samples mailed on application.

Vaughan's Seed Store,
CHICAGO. NEW YORK.

European Horticulture.

FROM THE GERMAN TRADE PAPERS.

MALOPE GRANDIFLORA.—The most admired in a finely staged exhibit of various species of flowers in a cut state, it being a collection of over 200 different kinds, at the September show of the Prussian Society of Horticulture at Berlin, were the fiery red blooms of Malope grandiflora and its pure white variety. Both grow to a height of about 40 inches, flower profusely from July until late in autumn and are highly effective when planted in groups of five or more specimens about the lawn or garden as well as when solidly massed in beds and borders. The blooms are long lasting and most desirable material for the decorator, easily produced in astounding abundance throughout the latter part of summer. Seeds of Malope grandiflora are started in a hotbed in April and the seedlings, when large enough to be conveniently handled, are then planted out into the garden, fairly good soil and a freely exposed situation suiting them admirably.

Western Headquarters For
Finest Cold Storage Valley Pips.
$14.00 per 1000; $1.75 per 100.
Every case guaranteed.
Fancy Cut Valley Always on Hand.
H. N. BRUNS,
1407-1411 W. Madison St. CHICAGO.

SINGLE YELLOW WALLFLOWER, LINNAEUS. — This curious sport among wall flowers, which comes from E. Benary, is 18 inches high, erect, with uniform, deep green foliage, long stalks of large cream white flowers, changing to pure white.

Lilium Philippensis
$2.75 per 100; $25.00 per 1000
MANGOWOOD FLORAL CO.,
MANILA, PHILIPPINE ISLANDS.

FISCHER'S GRAND FREESIA
PURITY.
The magnificent giant, white Freesia, when once tried, will always be grown. Write for prices. Delivery in July.
RUDOLPH FISCHER,
SANTA ANITA, CAL.

HALF MILLION
Calla Bulbs.

Calla Bulbs pay to bloom 40 per cent better than Harrisii. Why you don't have to throw Calla Bulbs away after blooming. (Savvy?)

CALLA ETHIOPICA BULBS.

8 to 10 inch circumference	$80.00 per 1000
7 to 8 " "	65.00 " "
5 to 7 " "	40.00 " "
3 to 5 " "	25.00 " "

250 at 1000 rates. Packed in slatted crates. Liberal count. **Safe arrival guaranteed.** I prepay freight at above prices to your city when check is sent with order. Send in your order to-day and cash to reach me June 20th. References: First National and People's Bank, Santa Cruz, Calif., and Dunn's.

A. MITTING, 17 to 23 Kennan St. SANTA CRUZ, CALIF.

Trade Directory for 1908

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1908, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 509 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE
American Florist Company
324 Dearborn Street, CHICAGO, ILL., U. S. A.

Contains 509 Pages **NOW READY.** Price $3.00 Postpaid

The Nursery Trade

American Association of Nurserymen.

J. W. Hill, Des Moines, Ia., President; C. M. Hobbs, Bridgeport, Ind., Vice-President; George C Seager, Rochester, N. Y., Sec'y.
Thirty-fourth annual convention to be held at Rochester, N. Y., June, 1909.

FOR list of visitors to Milwaukee convention see page 1102.

THE foliage of the variegated dogwoods is very beautiful now.

VISITED CHICAGO.—O. F. Brand, of O. F. Brand & Son, Faribault, Minn.

W. H. MANNING of Boston, Mass, was at Wilkesbarre, Pa., recently and made a general survey of the parks system.

SEATTLE, WASH.—The trade here is practically assured that the Pacific Coast Nurserymen's Association will meet here next year.

SAM H. DIXON, nursery inspector in Texas, announces in his report that he is very well pleased with the hearty cooperation of the great majority of nurserymen with him in his work.

PRESIDENT JESSE E. NORTHRUP of the Minneapolis park board has proposed a gateway for the Minneapolis park district, to begin at Bridge square. This was made public in one of the lantern slides shown in the recent lecture by J. Horace McFarland at Minneapolis.

American Nurserymen's Protective Ass'n.

After many years of agitation the American Retail Nurserymen's Protective Association has been merged with the American Nurserymen's Protective Association under the name of the latter. This is a step in the right direction, curtailing both work and expense, as a large number of those in the trade found it absolutely necessary to be members of both organizations. The officers of the association are: R. C. Berckmans, Augusta, Ga., president; Thos. B. Meehan, Dreshertown, Pa., secretary, and Peter Youngers, Geneva, Neb., treasurer.

President-Elect Brown.

Chas. J. Brown, who was elected president of the American Association of Nurserymen at the Milwaukee convention last week, is the senior member of the firm of the Brown Bros. Co., the well-known nursery firm of Rochester, N. Y., with branch at Welland, Ont. Every form of decorative gardening is given attention by this concern, and the landscape department is made quite a conspicuous feature of the business. Ornamental trees and shrubs, also fruit trees, hardy herbaceous perennials, aquatics, etc., are grown in quantity, and the firm makes a specialty of carefully grown street and park trees. The Brown Bros. Co. had an important part in the introduction of the Crimson Rambler and the Baby Rambler roses, as will be recalled by those who have attended previous conventions, and its well known splendid success in general nursery lines is traceable to the spirit of fairness and square dealing which has always characterized this house. The head of such a concern, who more than any other is responsible for its success, will certainly take the best care of the interests of the association.

American Association of Nurserymen.

Last week's issue of THE FLORIST was the only western trade paper containing a reliable account of the thirty-third annual convention up to the time of going to press, including the names of the new officers and the next place of meeting. It will be recalled that the only new officer elected was President Chas. J. Brown, of the Brown Bros. Co., Rochester, N. Y., and this city was chosen for the next place of meeting of the association. The editor returns thanks for the hearty words of appreciation of our efforts from members of the association.

On reassembling Thursday morning, June 11, C. J. Maloy presented an exhaustive report of the excellent work done by the National Council of Horticulture and later in the day C. L. Watrous moved that an appropriation of $200 be made for the continuance of this work on closer nursery lines through a committee of three members of the association.

Chas. J. Brown. Rochester. N. Y.
President-Elect American Ass'n. of Nurserymen.

H. D. Simpson, Vincennes, Ind., read an excellent paper on "The Pecan."

John S. Kerr, Sherman, Tex., had for his subject "The Great Northwest."

J. B. Pilkington, Portland, Ore., had a paper entitled "Elements of Success in the Nursery Business."

Prof. Worsham, Atlanta, Ga., read an excellent paper on "Peach Yellows," by Prof. J. L. Phillips.

Prof. L. R. Taft, Lansing, Mich., contributed a timely and thorough paper on "The Spraying of Nursery Stock."

J. Horace McFarland, Harrisburg, Pa., made an excellent address on "Civic Improvement," showing how nurserymen could assist in this work.

Captain Watrous presented resolutions on the deaths of the late A. M. Albaugh and E. H. Pratt.

Resolutions were presented favoring parcels post and reduction of foreign postage rates.

The question box brought out a number of excellent discussions, particularly those on taxing nursery stock as personal property and the Kieffer pear.

Final resolutions closed the business of the convention.

On June 12 about 150 of the convention visitors made the journey to Oconomowoc and enjoyed the drives around that beautiful resort and excursions on the lakes in steam launches.

Convention Notes.

John Hall, the veteran secretary-treasurer of the Western New York Horticultural Society, Rochester, N. Y., was much interested in the proceedings.

Prof. Worsham says there are no peach yellows in Georgia and representatives of other southern states claim like immunity.

The railroad orator properly failed to win in his selection of next year's meeting place.

Prof. Taft's paper was notable for the valuable practical information it contained.

President Hill pushed through the work of the meeting with commendable dispatch.

The business of the past season was reported generally good.

It was an informing business meeting all the way through.

Taxing nursery stock remains a grave, unsettled question.

The fair, cool weather proved most enjoyable.

Much interest was taken in the trade exhibits.

The Exhibits.

Addressograph Co., Chicago, addressing machine.
Alabama Nursery Co., Huntsville, Ala., nursery stock.
American Horticultural Distributing Co., Martinsburg, W. Va., insecticides and fungicides.
American Multigraph Sales Co., Cleveland, O., multigraphs.
Baker Mfg. Co., Chicago, graders.
Berckmans Co., P. J., Augusta, Ga., nursery stock.
Brown Co., E. C., Rochester, N. Y., power sprayer.
Buffum Tool Co., Louisiana, Mo., printing press.
Chase Co., The Benjamin, Derry Village, N. H., wood labels.
Chase Nursery Co., Huntsville, Ala., nursery hoe.
Clinton Falls Nursery Co., Owatonna, Minn., trencher and soil firmer.
Dayton Fruit Tree Label Co., Dayton, O., wood labels.
Dintelman, L. F., Dellersville, Ill., simplex tree bailer.
Ellwanger & Barry, Rochester, N. Y., nursery stock.
Evergreen Nursery Co., Sturgeon Bay, Wis., nursery stock.
Harrison, J. G. & Sons, Berlin, Md., nursery stock.
Hill, David, Dundee, Ill., nursery stock.
Ilgenfritz Sons Co., I. E., Monroe, Mich., graft and stock planter and firmer.
Jackson & Perkins Co., Newark, N. Y., clematis.
McBeth, Thos. A., Springfield, O., nursery stock.
McFarland Co., J. Horace, Harrisburg, Pa., examples of horticultural printing.
McHutchison & Co., New York, raffia.
Meehan Sons, Thos., Inc., Dreshertown, Pa., raffia.
Morse Co., A. B., St. Joseph, Mich., horticultural printing.
National Fruit Grower, St. Joseph, Mich.
Natural Guano Co., Aurora, Ill., pulverized sheep manure.
Niagara Sprayer Co., Middleport, N. Y., gas sprayers and insecticides.
Ohio Nursery & Supply Co., Elyria, O., labels and nursery supplies.
Perfection Mfg. Co., Detroit, Mich., labels.
Pratt Co., B. G., New York, scalecide.
Predmore Bros., Barnegat, N. J., peat and sphagnum.
Reed, H. L. & W. H. Bell, Louisiana, Mo., graft wrapping machine and power tree strippers.
Rochester Lithographing Co., Rochester, N. Y., colored plates and nurserymen's supplies.
Stark Bros. Nurseries and Orchards Co., Louisiana, Mo., tree digger.
Texas Nursery Co., Sherman, Texas, nursery stock.
Vredenburg & Co., Rochester, N. Y., lithographs.
Ward-Dickey Steel Co., Indiana Harbor, Ind., box straps.
Webster & Albee, Rochester, N. Y., color plates.

(CONTINUED ON PAGE 1102.)

Three for One

Our Guarantee on

PEONY AND IRIS ROOTS

For September Delivery

Most Profitable Sorts. **Prices Right.**

Buy while List is Complete.

PETERSON NURSERY, WM. A. PETERSON, Prop. Lincoln and Peterson Avenues, **Chicago.**

BOX TREES.

Beautiful shapely plants in fine condition and in nice green tubs.

PYRAMIDAL.

	Each	Per Pr.		Each	Per Pr.
3½-ft high	$ 3.00	$ 6.00	5 -ft high	$ 7.00	$13.00
4 -ft high	4.00	7.00	6 -ft high	8.00	15.00

STANDARD OR TREE SHAPED BOX.

Full, compact, well shaped.	Each	Per Pr.
24-inch clear stem, crown 18 to 20 inches	$ 2.50	$ 4.50
24-inch clear stem, crown 24 inches	3.50	7.00
18-inch clear stem, crown 34 inches	4.50	8.00
24-inch clear stem, crown 34 inches	6.00	10.00

BAY TREES. (Laurus Nobilis.)

STANDARD or TREE SHAPED

Crowns	Each
16 to 18 inch diameter	$ 5.00
20 to 22 inch diameter	6.00
24 to 26 inch diameter	7.00
30 to 32 inch diameter	10.00
34 inch diameter	12.00

PYRAMIDAL SHAPED

	Each
6 ft. high	$10.00
7 ft. high	15.00

Column Shaped Trees

6 ft. high, base 22-24 in... $12.00

ARAUCARIA EXCELSA.

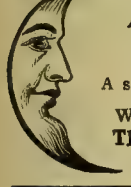
SPECIAL OFFER. Strong plants from top cuttings in 4-inch pots, 6 to 8 inches high, with 2 to 3 whorls. Just the size to grow on for your fall sales. Every plant will make a 75c plant by October.

Order Now Before All Sold. **Price:** Per dozen, $5.00; per 100, $36.00

VAUGHAN'S SEED STORE,

84-86 Randolph Street, CHICAGO
14 Barclay Street, NEW YORK.

Greenhouses and Nurseries: Western Springs, Ill.



ARBOR VITÆ

(Thuya Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.
THE WM. H. MOON CO.,
Morrisville, Pa.

LARGE TREES.

OAKS and MAPLES.
PINES and HEMLOCKS.
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA

FOR

Fall 1908 and Spring 1909

We wish to call attention to our offerings of

Peach,—One year and June old buds. We invite inquiries NOW from buyers of June budded peach, plum and apricot. We will bud especially to suit **your** wants.
Plum—De Soto, Wyant and Japanese varieties.
Pear, Cherry and **Quince**—As usual.
Mulberry—A splendid asssortment, in quantity.
Privet—California and (true) Amoor River
Roses—Leading Hybrid Perpetuals, also Hardy Climbers.
Magnolia—Grandiflora. **Altheas.**
Spirea—Van Houttei.

Write for prices.

Fraser Nursery Co., Inc.,
HUNTSVILLE, ALA.

Grape Vines

All old and new varieties. Large stock Warranted true. Can furnish a special heavy two-year grade with large roots and good tops for florists retail trade.
Write for catalogue and price list.
T. S. HUBBARD CO., FREDONIA, N. Y.

AZALEAS (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Coniters, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Jacs Smits, Ltd. NAARDEN, (Holland.)
Price list free on demand.

THE

Storrs & Harrison Co.

PAINESVILLE NURSERIES.
CATALOGUES AND PRICE LISTS FREE ON APPLICATION.....
PAINESVILLE, OHIO.

PEONIES. (12 ACRES.)

Buy such varieties as will keep if glut is on. For years I have furnished a big portion of the Decoration Day supply. For prices for fall delivery write
GILBERT H. WILD,
SARCOXIE, - MISSOURI.

BOBBINK & ATKINS,

Rutherford, N. J.,

Bay Trees, Palms, Buxus, Azalea indica, Rhododendrons, Evergreens, Herbaceous Plants, Roses, Trained Fruit Trees, Greenhouse Grape Vines. Ask for catalogue.

Up to Date Directory

Giving all the Country's

Florists
Seedsmen
Nurserymen

PRICE $3.00.

Always mention The American Florist when you order stock.

Those Present.

The following were present or represented at the convention:

C. C. Abel & Co., New York.
American Florist Co., Chicago.
American Fruits, Rochester, N. Y.
American Nursery Co., New York.
Aurora Nursery Co., Aurora, Ill.
Baker Bros Co., Ft. Worth, Texas.
P. J. Berckmans Co., Augusta, Ga.
F. F. Bernard, Painesville, O.
A. J. Brown, Geneva, Nebr.
Brown Bros. Co., Rochester, N. Y.
Burns City Nurseries, Burns City, Ind.
Charlton Nursery Co., Rochester, N. Y.
Benjamin Chase Co., Derry Village, N. H.
Chase Bros. Co., Rochester, N. Y.
Chase Nursery Co., Huntsville, Ala.
Commercial Nursery Co., Winchester, Tenn.
H. Frank Darrow, New York.
Dayton Fruit Tree Label Co., Dayton, O.
Elizabeth Nursery Co., Elizabeth, N. J.
Ellwanger & Barry, Rochester, N. Y.
Elmhurst Nursery, Argentine, Ark.
G. B. Fravert, Denver, Colo.
Benj. E. Gage, Chicago.
Grand Mere Nursery, Stevensville, Mich.
L. Green & Son Co., Perry, O.
Greening Nursery Co., Monroe, Mich.
J. G. Harrison & Sons, Berlin, Md.
Harrison Nursery Co., York, Neb.
W. F. Heikes, Huntsville, Ala.
C. M. Hobbs & Sons, Bridgeport, Ind.
Holsinger Bros., Rosedale, Kans.
Hooker, Wyman & Co., Rochester, N. Y.
T. S. Hubbard Co., Fredonia, N. Y.
I. E. Ilgenfritz Sons Co., Monroe, Mich.
Jackson & Perkins Co, Newark, N. Y.
Geo. S. Josselyn, Fredonia, N. Y.
Geo. J. Kellogg & Sons, Janesville, Wis.
Kelsey Nurseries, St. Joseph, Mo.
McFarland Publicity Service, Harrisburg, Pa.
McHutchison & Co., New York.
Thos. Meehan & Sons, Dreshertown, Pa.
F. W. Meneray, Council Bluffs, Ia.
A. B. Morse Co., St. Joseph, Mich.
National Fruit Grower, St. Joseph, Mich.
P. Ouwerkirk, Hoboken, N. J.
Ozark Nursery Co., Tahlequah, Okla.
Peterson Nursery, Chicago.
J. B. Pilkinton, Portland, Ore
Rochester Lithographing Co., Rochester, N. Y.
August Rolker & Sons, New York.
Rosemont Nurseries, Painesville, O.
Irving Rouse, Rochester, N. Y.
G. W. Sheldon & Co., Chicago.
Sherman Nursery Co., Charles City, Ia.
W. & T. Smith Co., Geneva, N. Y.
Stark Bros. Co., Louisiana, Mo.
Storrs & Harrison Co., Painesville, O.
Tennessee Wholesale Nurseries, Winchester.
Texas Nursery Co., Sherman, Texas.
F. B. Vandegrift & Co., New York.
J. Van Lindley Nursery Co., Pomona, N. C.
Vredenburg & Co., Rochester, N. Y.
Westminster Nursery, Westminster, Md.
White's Class Advertising Co., Chicago.
White Elm Nursery Co., Oconomowoc, Wis.
Allen L. Wood, Rochester, N. Y.
Peter Youngers, Geneva, Neb.

Another Friend of Shade Trees.

Henry Clay Weeks, who is known throughout Queens and Nassau counties, N. Y., as the champion of shade trees, won a victory in his crusade May 16, when Magistrate Fitch in the Flushing police court fined Foreman Frank Sunderlin and Linemen Charles Olsen and Frank Murphy of the New York and New Jersey Telephone Co. $10 each for disorderly conduct in attempting to string telephone wires in front of Mr. Weeks' country place, Vista Lawn, Bay Side.

Mr. Weeks' victory was more decisive because of the fact that in December, 1904, before Justice Jaycox, the company by condemnation proceedings obtained an easement across Mr. Weeks' property giving it the right to erect and maintain nine poles in front of Vista Lawn and to string wires and cables thereon. The court also awarded Mr. Weeks $50 damages in the matter, but as Mr. Weeks and also his wife, who died three months ago, had avoided acceptance of both the order of the court and the payment of the $50 the order was non-effective.

In addition to protecting shade trees, Mr. Weeks, who is wealthy, is known as one of the champion mosquito fighters of the North Shore. When automobiles first came into use in that section of Queens county he was among the first to organize a crusade against speed maniacs, and he has footed all the expensive litigation which his various actions have brought.

Dickson's New Roses.

Hugh Dickson, the well known rose grower of Belfast, Ire., will offer the following new roses this season, descriptions by the raiser:

Mrs. William Cooper (H. T.).—A superb rose, and a grand addition to the hybrid teas, of vigorous and erect growth, flowers of great size and immense substance, with high pointed center, petals large and shell like, beautifully smooth and nicely finished. This rose is destined to take a commanding place among exhibition roses, and deserves its place in every garden, however small. The beautifully formed flowers are deep rosy flesh color in the center, paling towards the edges of the outer petals to delicate blush. Very sweetly perfumed; a valuable rose for any purpose.

Mrs. James Craig (H. T.).—This is a delightful rose of distinct habit, color and fragrance. The flowers, which are most abundantly and freely produced, are large, full, and of exquisite form, opening freely. The color is salmon rose, flushed pale yellow at the base of the petals, outer petals passing to pale rosy peach. Habit vigorous, erect and very branching, making an ideal variety for

New Rose Wm. R. Smith.

massing in beds. This rose will find a welcome everywhere for its perfume alone, which is unique among roses, being a delicious scent of the ordinary field primrose, in a highly intensified degree.

Wm. R. Smith (Tea).—I have no hesitation in saying this is one of the finest additions to teas sent out for many years. It is of American origin, and having tested its capabilities outdoors here during the past year I can with every confidence recommend it. It is a rose of great size and immense substance, fine form and large smooth petals, and will be one of the leading exhibition teas, and at the same time the finest of all the class for massing in beds. The growth and habit are a distinct advance on Maman Cochet, one of its parents, and in foliage it is much the handsomest of this section. The color is creamy white, flushed and suffused with bright rosy pink, opening freely in all weathers. This is a specially valuable rose for forcing purposes. I have purchased the stock for distribution in Europe this year, and it will be sent out simultaneously in America.

Mrs. Stewart Clark (H. T.).—This is a rose of immense size and great substance, with exquisitely refined petals and very vigorous growth; large, handsome, glossy foliage, which is very persistent—in fact, the foliage is almost evergreen. The color is very difficult to describe, varying from bright cerise pink to brilliant rose or cherry pink, with a distinct zone of white at the base of each petal. The flowers are of splendid form, with high pointed center, and deliciously fragrant. It is destined to take a leading position, both as a garden and exhibition rose. Awarded the gold medal of the National Rose Society.

H. Armytage Moore (H. T.).—This is a garden rose par excellence, free and vigorous in growth, upright in habit, with bold, handsome foliage. The flower is of immense depth, with great shell petals, which are beautifully reflexed at the edges. The color is a delightful shade of rosy pink on the outside of the petals, the inside of the petals being a delicate silvery pink. As a decorative or bedding rose this variety is unsurpassed, flowering in great profusion from the beginning of the season right up to its close.

Garden Roses.

In addition to the simple, hardy roses, the little white Scotch single rose is still well worthy of cultivation, though seldom listed by nurserymen. It is always one of the first to open in my garden; the flowers, though small, have a special freshness and grace of their own, and are borne very freely in wreath-like form along the many slender branches. I remember it as common in New England gardens in my childhood, and in old cemeteries it still flourishes after long years of neglect.

The so-called grass roses may also be classed as survivals. Rarely more than two feet in height, these sturdy little bushes have maintained themselves and extended by suckering to large clumps, marking the sites of old houses long after every vestige of the building, save a half-overgrown cellar hole, has disappeared. The loose, semi-double roses are deliciously fragrant, and their deep, rich pink or rosy red is the true rose color. Occasionally, in an old garden, the striped form is still found, the York and Lancaster rose of old English memories. These roses are worth growing, if only by way of contrast with the newer and finer varieties. They ask only a corner in the garden where they can be left unmolested.

Among single roses, the Japanese rough-leafed or rugosa type has an important place. Its rich, deep green foliage is not subject to the common insect pests that disfigure so many others. It makes a solid growth, very effective as mere shrubbery, and the occasional large, single flowers, appearing in small clusters throughout the season, are very decorative, and so are the large, brilliant hips that succeed them. It is entirely hardy, and thrives with little attention, though all the roses are gross feeders and do best in rich, mellow ground. There are many hybrids now of the rugosa family, but those that I have tried in my own garden are all inferior in foliage, though some have fine, double flowers. Of the single type, the white variety seems a little less vigorous than the red-flowered. Both are easily grown from seed, as well as increased by suckering.—Country Gentleman.

Notes on Nuts.

Indications are favorable for a larger crop of walnuts in California than usual.

The seventh annual convention of the National Nut Growers' Association will be held at Chattanooga, Tenn., October 27-29.

Georgia and Florida nut growers effected a permanent organization at a meeting in Monticello, Fla., May 19 and 20. W. C. Jones, of Cairo, Ga., was elected president; A. A. Rich, of Lamont, Fla., vice-president; Ray C. Simpson, Monticello, Fla., secretary; J. B. Wight, Cairo, Ga., treasurer. The purpose of the organization is to promote the mutual interests of its members and to encourage the planting of nuts as a commercial enterprise.

Plants from 2½-in. Pots at $3.00 per 100

Dwarf Alyssum, Ageratums, Princess Pauline, Blue Perfection, Bouvardia Humboldtii, Gazania Splendens, Cupheas, double Petunias, Lobelia Emperor William, variegated Ice-plant, Salvia, Bonfire, Rosemary, variegated Periwinkle Moschosma riparium, Swainsona alba, white Moonflower Forget-me-not, Parlor Ivy, Ferns, Euonymus radicans.

Plants from 3-in. Pots, strong at **$4.00 per 100.** Fuchsias, in bud and bloom, 4 varieties,, Geraniums, best commercial varieties. Heliotrope, dark blue, Gazania splendens, Rose and Peppermint Geraniums. Moonvine, the true white large flowering. Salvia Bonfire.

Bouvardias, single and double white: single scarlet and pink. 2-in. pots, $3.00 per 100.

Geraniums, in bud and bloom, 4-in. pots, $5.00 per 100.

Seedlings from Flats $1.00 per 100. Asparagus Sprengeri. Dracaena Indivisa.

Clematis, large flowering varieties, 2-year-old plants, red, purple and white, $3.00 per dozen. Clematis paniculata, 3-in. pots, $5.00 per 100. Clematis Montana, grdfl., 4-in. pots $1.50 per doz.

Honeysuckle, Halleana and Red Trumpet, strong plants. $1.50 per dozen, $10.00 per 100.

Ampelopsis Veitchii, 4-in. pots, 2-year-old plants, $1.50 per dozen, $10.00 per 100; 3-in. pots, $5.00 per 100.

Ivy, hardy English. 4-in. pots, $1.50 per dozen $10.00 per 100.

Coleus and **Althernantheras,** 2½-in pots, $2.00 per 100.

Cash with order please.

C. EISELE, 11th and Westmoreland Sts. **PHILADELPHIA, PA.**

SURPLUS STOCK

	Per 100
Geraniums, S. A. Nutt and Ricard, the best reds. 4-inch	$ 7.00
3-inch	4.00
Pansies, Boddington's Challenge, in bloom.	1.00
Coleus, assorted, 2 and 3-inch	2.00
Cannas, 4-inch	7.00
Caladiums, 5-inch	15.00

Chrysanthemums, 2 and 3-inch, $3.00 per 100. 600 Yellow Eaton, 500 White Eaton, 400 Jerome Jones, 400 Yellow Jones, 600 Willowbrook, 500 V. Morel, 250 Nonin, 250 Omega.

Cash or C. O. D.

W. J. & M. S. VESEY,

FORT WAYNE, INDIANA.

Cannas.

F Vaughan, Pennsylvania, Kate Gray, Chas. Henderson, Fair Hope, J. D. Eisele, David Harum, Pres. Vigar, Alsace, Mlle. Berat, Allemania, 3-in. pots $5.00 per 100; $40.00 per 1000; strong plants, started in sand $3.00 per 100; $25.00 per 1000.

Coleus.

Strong plants from 2¼-in. pots in 10 best bedding and fancy varieties $2.00 per 100; $18.00 per 1000,

Boston and Elegantissima Ferns

We still have a large stock of well grown plants, in 3- and 4-in. pots at $6.00 and $12.00 per 100.

W. W. COLES,

Kokomo, - Indiana.

Orchids!

Arrived in excellent condition: Cattleya Trianæ, C. labiata, C. Mossiæ, Oncidium varicosum, Vanda cœrulea, Dendrobium formosum and D. Dalhousianum.

Lager & Hurrell, Summit, N J

NORFOLK, VA.—Contemplating the erection of a palm house and two plant houses in the city park, the controllers have received an offer from the Weathered Co., of Jersey City, N. J., to do the entire work for $10,690. This concern offers to do the necessary excavating and grading connected with the proposed improvements for $1,690, which amount is included in the total bid stated above, and the board has asked for detailed working plans.

ARAUCARIAS.

We have a special fine lot of Araucarias—the plants at $1.00 each are extra value for the money.

4-inch	35 cents each
5-inch	75 cents each
6-inch	$ 1.0 each

KENTIAS

	Each.	Doz.
Kentia Belmoreana, 5-inch		$ 7 20
" 5-inch strong		9 00
" 6-inch		12 00
" 6-inch		15 00
" 6-inch strong	$1 50	$18 00
" 7-inch	1 75	21 00
" 8-inch	2 50	30 00
" 8-inch strong	4 00	48 00
" 9-inch	6 00	
Kentia Forsteriana, 5-inch		7 20
" 5-inch strong		9 00
" 6-inch		12 00
" 6-inch strong		15 00
" 7-inch	2 50	30 00
" 8-inch	3 00	36 00
" 8-inch strong	5 00	60 00
" 9-inch	6 00	72 00
Made-up Kentia Forsteriana	6 00	72 00

Phoenix Canariensis

Fine for vases or out-door decoration, in small tubs, $2.50 each.

ROSES.

Brides, 3-in. pots	3c
Maids, 3-in. pots	3c
Chatenay, 3-in. pots	3c
Baby Ramblers, 3-in. pots	6c
Uncle John, 1-year-old, in bloom, 6-in	15c
Chatenay, 1-year-old, in bloom, 6-in.	15c
Hardy Hybrid perpetuals, $15 per 100; $2 per doz.	

ROSES IN POTS AND OUTDOOR.

	Per 100
Prairie Queen 3 to 5 feet 15 to 35c each.	
Ramblers, Crimson, 2 feet, 15c.	
Ramblers, Baby, 3½-in. pot	$ 6 00
Sweet Brier. 2 to 3 feet, 10 to 25c each.	
1 Lot Hybrid Perpetual, 5-inch, assorted varieties, pot grown	15 00

COBŒA SCANDENS

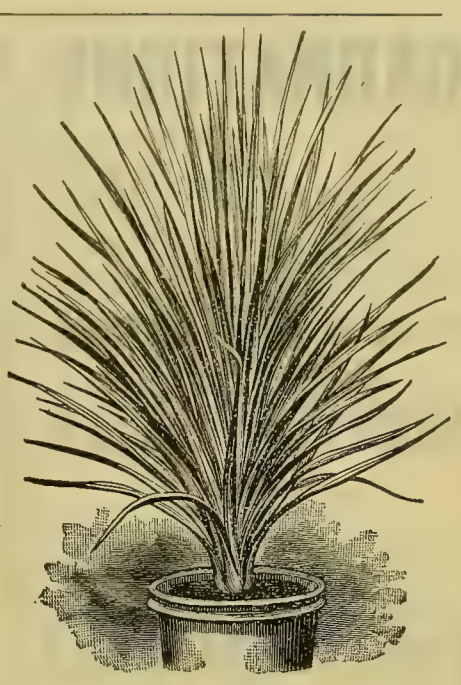
$8.00 per 100.

	Per doz.	Per 100
Asparagus Plumosus, 3-inch	$ .75	$ 6.00
" Sprengeri, 4-inch	1.25	10.00

Perennials in pots.

Coreopsis lanceolata, 5-inch	10c
Campanula, in variety, 5-inch	12c
Campanula, in variety, 6-inch	15c
Campanula, in variety, bud and bloom, 6-in.	35c
Sweet William, 5-inch	12c
Lychnis C., 3½-inch	5c
Ampelopsis Veitchii, 2-inch,	$2.50 per 100

	doz.	100
3-in Perennials for pots	75c	$5 00
Sweet William, 4-inch	75c	5 00
Garden Pinks, 4-inch	85c	6 00
Myosotis Forget-me-not,	60c	4 00
Lychnis Chalcedonica, 3-inch	85c	6 00
Foxglove, 3-inch	85c	6 00
Achillea, [Ptarmica (2)], 3-inch	75c	5 00
Pentstemon Hybrids		
Canterbury bell, 4-inch	85c	6 00



DRACÆNA INDIVISA.

This most useful plant is always in great demand in spring. Better secure your stock now. Fine plants in the following sizes and prices.

	Per doz.	100
Dracæna Indivisa, 5-inch	$3 00	20 00

BEDDING STOCK.

	Per 100
Ageratum, 4-inch	$ 6 00
Begonia Vernon, 4-inch	6 00
Begonia Vernon, 2¼-inch	3 00
Cobœa Scandens, 4-inch	8 00
Coleus, 3-inch	4 00
Centaurea, 2-inch	3 00
Feverfew, 4-inch	8 00
Geraniums, 4-inch	8 00
Heliotrope, 4-inch	8 00
Petunias, 4-inch	6 00
Santolina, 2-inch	3 00
Vincas short, 4-inch	12 00
vies, long, 4-inch	12 00

Cycas Revoluta.

I -inch	25 cents each
-inch	35 cents each
-inch	50 cents each
-inch	75c to $1.00 each
8-inch	$1.25 to $1.50 each

If we do not confine ourselves to the exact size of pot specified, we shall see that stock of good value for the money is sent on every order.

FICUS ELASTICA.

4-inch	$3.00 per dozen
5-inch	4 20 per dozen
6-inch	6.00 per dozen

THE GEO. WITTBOLD CO., 1657 Buckingham Place, CHICAGO

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World.

SANDER, St. Albans, England.

NEW YORK OFFICE: Room 1, 235 Broadway. **T. MELLSTROM,** Agent.

ORCHIDS.

ARRIVED in fine condition, a fine importation of C. Trianæ, C. Labiata, C. Schroederæ, C. Gigas Sanderiana, C. Harirsoniæ, C. Citrina, Lælia Anceps. Onc dium Varicosum Rogersii, Onc. Ornithorhynchum, Onc. Tigrinum, Odontoglossum, Insleayi, O. Rossii Majus.

We carry Orchid Peat, Sphagnum Moss, Baskets, etc.

CARRILLO & BALDWIN, Secaucus, N. J.

SOUTHAMPTON, MASS.—Good prizes are offered at the annual flower show to be held August 7. The committee consists of C. W. Comstock, C. B. Lyman, Miss Florence Hannum, Mrs. S. E. McGeehon and Mrs. E. R. Swasey.

PLANTS, 1½c

All from 2-inch pots.

Swainsona alba, Coleus, Feverfew (dbl, white), Vinca Variegata, Shasta Daisy (two kinds), Dbl. Petunia, Sweet Alyssum (single), Thunbergia, Smilax, Celestial Peppers, Geraniums (Ivy, Rose, Nutt, Dbl. Grant, Gen. Grant, Buchner, Viaud, etc.), all above, 2 and 2½-in. stock, at 1½c.

Asters, separate colors, Semple's, $2.50 per 1000.

ROOTED CUTTINGS, prepaid per 100: Vinca Variegata, 90c. Alternanthera, 3 kinds, 50c. Coleus, 10 kinds. Salvia, Bonfire, 90c.

Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

ORCHIDS.

Arrived in Fine Condition: C. Mossiæ, C. Gaskelliana, C. Speciosissima and C. gigas Sanderiana.

Also others in a few days.

ORDONEZ BROS., Madison, N. J.

CARNATIONS

From Pots.	Healthy stock. Per 100	1000
Winsor, White Enchantress,	$7.00	$60.00
Helen M. Gould	6.00	50.00
Melody, Kingston Pet	5.00	
Daheim, Estelle, Enchantress, Lady Bountiful, Red Lawson, Variegated and White Lawson	4.00	35.00
Mrs. T. W. Lawson, Boston Market, Harlowarden	3.00	25.00

Send for Catalogue.

WOOD BROTHERS

FISHKILL, N. Y.

ROSES AND VINCAS

See column adv page 959, May 30.
400 sorts 2½ and 4-inch.

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO

ROBERT CRAIG CO.

WELL GROWN YOUNG **ROSES**

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

ROSE PLANTS

On own roots. Send for list.

C. M. NIUFFER, Springfield, Ohio

1-yr.-old Bench Plants

Beauties, $5.00 per 100; $40.00 per 1000.
No order for less than 100 accepted.

GEORGE REINBERG

35 Randolph St., CHICAGO.

Cleveland.

CARNATIONS SHORTENING.

Business is much the same as reported last week. The weather continues dry, although not as hot as the previous week. The only noticeable difference in the market is a slight shortening of carnations and the diminishing size of roses. Cold storage peonies are in excellent demand, bringing $6 per 100. The commencements this week will without doubt clean up the greater part of them. Smilax and hardy fern were not over-plentiful last week.

NOTES.

Westman & Getz are showing a series of very attractive window displays, consisting of outdoor flowers artistically arranged in hampers and vases of various shapes. An arrangement of coreopsis and corn flowers deserves special mention.

Some very effective window decorations were seen at The J. M. Gasser Co.'s last week. This firm has a number of good-sized weddings booked for the latter part of this month.

J. M. Strejcek, Broadway, was a very heavy buyer last week. Mr. Strejcek says the bulk of his work consists of funeral orders.

Smith & Fetters report business as being much better than was anticipated the fore part of the season.

FORESTER.

Rose Plants

From 2½-inch Pots.

	Per 100	1000		Per 100	1000
Bride	$2.50	$22.50	Sunrise	$4.00	$35.00
Bridesmaid	2.50	22.50	Kate Moulton	4.00	35.00
Uncle John	2.50	22.50	Richmond	2.50	22.50
Ivory	2.50	22.50	Killarney	5.00	40.00
Chatenay	2.50	22.50			

Bench Plants

	Per 100	1000
Richmond	$4.00	$35.00
American Beauty	6.00	50.00

CHRYSANTHEMUMS

From 2½-in. pots. $2.50 per 100.

White—Ivory, Chadwick, Timothy Eaton, Yanoma, Touset, Estelle, White Bonnaffon. **Pink**—Dr. Enguehard, Ivory. **Yellow**—Monrovia, Bonnaffon, Col. Appleton, Yellow Eaton. **Bronze**—Black Hawk

PETER REINBERG

51 Wabash Ave., CHICAGO.

ROSES. ROSES.

Mrs. Potter Palmer 2½- in. strong, $15.00 per 100; $125.00 per 1000; 2000 or more $115.00 per 1000. 3½-in, $18.00 per 100; $150.00 per 1000.

Cardinal 2½-inch $6.00 per 100; $55.00 per 1000. 3½-inch $8.00 per 100; $75.00 per 1000.

AMERICAN BEAUTIES.

2-in.....$5.00 per 100; $45.00 per 1000
2½-in.....$5.50 per 100; $50.00 per 1000
3-in..... 7.00 per 100; 65.00 per 1000
3½-in..... 8.00 per 100; 75.00 per 1000
4-in.....$12.00 per 100; $110.000 per 1000

Maids, Richmond, Sunrise, Uncle John, 2½-in. strong stuff, $4.50 per 100; $40.00 per 1000.
3½-in. Maids, Kaiserin, ready May 20th, $6.50 per 100; $60.00 per 1000.
Benched Beauties, cut back, $6.50 per 100; $55.00 per 1000.

ASPARAGUS.

Comorensis ....3-in., $6.00 per 100; $50.00 per 1000
Plumosus..4-in., $10.00 per 100; 6-in., 20.00 per 100

CHRYSANTHEMUMS.

Best list of commercial varieties. See classified ad., page 1077.

SNAPDRAGON, Pink and yellow, clear colors, 2½-in. $3.00 per 100.

POEHLMANN BROS. CO., Morton Grove, Ill.

Roses

We have the following extra fine stock to offer.

3-in.	2½-in.	3-in.	2½-in.	3-in.	2½-in.	3-in	2½-in
600	Ivory	1000	Richmond	500	Kaiserin		Beauty 400
200	Gate 100	1000	Killarney	675	Bridesmaid 1500		La France 200
175	Chatenay 275	1600	Bride 750		Carnot 150		

Ferns Worth the Money.

Varieties	2½-in.	3-in.	4-in	5-in.	6-in.	7-in.	8-in.
Bostons	$ 5.00	$ 10.00	$ 15.00	$ 25.00	$ 40.00	$ 60.00	$ 100.00
Piersonii	7.50	12.50	20.00	40.00	50.00	75.00	125.00
Scottii	7.50	12.50	20.00	40.00	50.00	75.00	125.00
Elegantissima	10.00	15.00	25.00	50.00	75.00		
Whitmani	15.00	25.00	40.00	50.00	75.00		
Amerpohlii	15.00	25.00	40.00	75.00	100.00		
Asparagus Plumosus	3.50	8.00	15.00	25.00	50.00		
Sprengeri	3.50	5.00	10.00	25.00	50.00		
Maiden Hair Ferns	5.00	10.00	25.00				
Small Ferns	5.00						

Specimens of all sizes, charged for accordingly.

Moon-vines, German and English Ivy; especial bargains in Coleus, Fuchsias, Chrysanthemums.

GEO. A. KUHL, Wholesale Grower, Pekin, Ill.

NEWPORT, R. I.—A. Warren Spalding has opened a florist's store here.

PHILADELPHIA, PA.—Jacob Wilhelm says: "We have had a very prosperous season, both Easter and spring business increasing, but collections are slow."

PORTLAND, ORE.—The rose exposition of the Rose Society, which opened here June 2, was a grand success in every way. The attendance on the first day was 15,000 and the display of roses was far before anything previously seen here.

Chrysanthemums

FOR EVERY PURPOSE.

A partial list with prices appeared in previous issue.

ELMER D. SMITH & CO.,

Successors to Nathan Smith & Son,

ADRIAN, MICH.

Chrysanthemums

3,000 Appleton, 500 each of T. Eaton, Yellow Eaton, Monrovia, W. Duckham, Cheltoni, Pacific, Nellie Pockett, F. A. Cobbold, 1000 Mrs. W. Duckham, 500 Garza, now ready, in 2¼ in. pots, $3.00 per 100, $20.00 per 1000.

Many other kinds in smaller quantity.

CHARLES H. TOTTY,

Madison, N. J.

ROSES. STRONG, CLEAN STOCK.

Grafted Killarney, Richmond, Brides, and Maids $12.00 per 100; $110.00 per 1000. Own-root Brides, Maids, Gates, Ivory, Perle, Killarney and Richmond $6.00 per 100; $55.00 per 1000.

All from 3½-in pots.

P. R. QUINLAN, SYRACUSE, N. Y.

JOHN E. HAINES,

BETHLEHEM, PA.,

is the place to order rooted cuttings of the following varieties for 1908.

	Per 100	Per 1000
John E. Haines, red	$6.00	$50.00
Imperial, variegated	6.00	50.00
Pink, Pink	6.00	50.00
Enchantress, Light pink	6.00	50.00

ROSES

A SPECIALTY.

The Dingee & Conard Co.,

WEST GROVE, PA.

CLAYTON, ILL.—Chas. E. Shank is adding about 80 feet to his greenhouse. When completed it will be 125 feet long and equipped with steam heat.

BROOKLYN, N. Y.—James Shanley, owner of several stores here and formerly in business as a florist, died at his home at 272 Twenty-second street, June 5.

PHILADELPHIA, PA.—Boys running amuck among his carnations, roses and lilies have aroused the ire of John G. Ellinger, of Forty-seventh and Locust streets, who recently complained to the board of education of damage done his property by ball players on the newly opened playground on the high school lot in West Philadelphia. "They're more nuisance than a glue factory," Mr. Ellinger stated in a letter read before the board. "They've damaged my crops and vegetables, and last week destroyed $20 worth of young carnations."

A. N. PIERSON, Inc., Cromwell Conn.

GRAFTED ROSES.—Novelties.

Mrs. Jardine, Rhea Reid, Queen Beatrice.

The above, $6.00 per doz., 50 plants for $18.00 $35.00 per 100.

MY MARYLAND, 50c each, $5.00 per doz., $35.00 per 100.

On own roots, 2½-in. pots., $20.00 per 100, 3-in. $5.00 per doz.

STANDARD VARIETIES.

Aurora, Bon Silene, Bride, Bridesmaid, Enchanter, Etoile de France, Franz Deegan, General McArthur, Hermosa, Kate Moulton, La Detroit, Maman Cochet, Marechel Niel, Rosalind Orr, English, Souv. de Wooton, Wellesley, White Cochet.

GRAFTED, 2¼-inch pots, 20c each, $2.00 per doz., $15.00 per 100, $120.00 per 1000.

OWN ROOT ROSES.

From 2½-inch pots, repotted from 2-inch.

Killarney, Bride, Bridesmaid, Ivory, Richmond, Mme. Abel Chatenay, Aurora, $1.00 per doz. $6.00 per 100, $50.00 per 1000.

3-in. pots, $8.00 per 100; $75.00 per 100.

MISCELLANEOUS PLANTS.

Ageratum, Heliotrope, Coleus, Verschaffeltii, Golden Queen, Beckwith's Gem. Prices of rooted cuttings by express, 60c per 100;$5.00 per 1000. Less than 250 of a variety will be charged at the 100 rate.

Golden Bedder, Fancy varieties, a very fine assortment. All of the above bedding plants, 2-in. pots at $2.00 per 100; $15.00 per 1000.

Bouvardia, large white, 2¼-in. pots, $4.00 per 100 $35.00 per 1000.

Asparagus Plumosus Nanus Seedlings.

From flats, $10.00 per 1000.

CHRYSANTHEMUMS.

Ready for Shipment.

Virginia Poehlmann, Angele Laurent, Golden Dome, Mlle. Jeanne Rosette, Money Maker from 2¼-in. pots, $2.00 per doz. $10.00 per 100.

Mrs. Clay Frick, Zimmers Yellow, Mary Mann. from 2¼-in. pots, $1.00 per doz., $6.00 per 100.

Rooted cuttings, $5.00 per 100.

CHOICE POMPONS, Klondyke, Quinola.

CHOICE SINGLE VARIETIES, Kitty Bourne, Mrs. Roberts, Amorita, from 2¼-in. pots, $1.00 per doz.

STANDARD VARIETIES

WHITE—Early: Geo S. Kalb, Polly Rose, Early Snow, October Frost. Mid-Season: Clementine Touset, White Shaw, Mrs. H. Robinson, Beatrice May Merza, Niveus, Alice Byron, Eureka, Miss Minnie Wanamaker, Adelia, Late: Mrs. McArthur, Timothy Eaton, Merry Christmas.

PINK—Early: Glory of the Pacific, Rosiere, Mid-Season: J. K. Shaw, Adelia, A. J. Balfour, William H. Duckham, Dr. Enguehard, Morton F. Plant. Late: Maud Dean, The Harriott, Mayor Weaver, Mrs James Marshall.

YELLOW—Early: Monrovia. Mid-Season: G. Pitcher, Col. D. Appleton. Late: Major Bonnaffon, H. W. Reiman, Yellow Eaton.

RED—Cullingfordi, Merstham Red, Matchless.

BRONZE YELLOW—Mrs. William Duckham, Old Gold.

POMPONS—Baby (Yellow), Lulu (White).

From 2¼-in. pots. 5c each, 50c per dozen, $3.00. per 100, $25.00 per 1000. Rooted cuttings, $.200 per 100, $15.00 per 1000.

NOVELTIES FOR 1908.

Golden Glow Pacific Supreme, White Cloud, Golden Eagle, Lynwood Hall, 2¼-in. pots, $5.00 per dozen. Ready for shipment.

Begonia Gloire de Lorraine, strong, young plants, 2¼-in. pots. $15.00 per 100.

KILLARNEY.

2½-in., grafted on briar........ 10.00 per 100
2½-in., grafted on manetti........ 12.00 per 100

KAISERIN.

2½-in., very fine plants........$4.50 per 100; $40.00 per 1000

AM. BEAUTIES.

2½-in., fine young plants........$50.00 per 1000

BASSETT & WASHBURN,

Greenhouses: HINSDALE, ILL. Store: 76 Wabash Ave., CHICAGO.

Grafted Roses for Forcing

BRIDE, KAISERIN, RICHMOND, BRIDESMAID, KILLARNEY, WELLESLEY } $10.00 per 100 $100.00 per 1000

JACKSON & PERKINS CO.

Wholesale Florists and Nurserymen. Newark, Wayne Co., N. Y.

60,000 Grafted Roses

	Per 100
Chatenay, Killarney, Richmond, Liberty, La France, 3½-in. pots	$18.00
Bride, Bridesmaid, Golden Gate, Kaiserin, 3½-in. pots	15.00

OWN ROOT ROSES.

Bride, Bridesmaid, Killarney, Richmond, Chatenay, 3-inch pots, $7.00 and $9.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

Now is the time to place your orders for

Begonia Gloire de Lorraine, Cyclamen and Poinsettias.

I am well equipped to supply the above in any quantity at the following prices:

Begonia Gloire de Lorraine, 2½ in. pots (leaf cuttings), **$15** per 100; **$140** per 1000.

Cyclamen, per 100, 2½ in., **$5**; 3 in., **$7**; 4 in., **$15**; 5 in., **$20.**

Poinsettias, 2½ in., **$5** per 100; **$45** per 1000.

Satisfaction guaranteed.

S. S. SKIDELSKY

1741 N. 18th St., Philadelphia, Pa.

Dracæna Indivisa,

Fine stock for Hanging Baskets.

Strong plants from 3-in. pots, $5.00 per 100; $45.00 per 1000; 250 at 1000 rate.

VICK & HILL CO.

P. O. Box 613, Rochester, N. Y.

100,000 Smilax

Extra fine well hardened stock a bargain at $1.50 per 100; $15.00 per 1000,

25,000 Sprengeri from rose pots at $1.50 per 100; $15.00 per 1000.

Deflexus, small $3.50 per 100; 4-inch at $7.00 per 100.

GERANIUMS, orders booked for rooted cuttings fall delivery Nutt, Buchner and Perkins at $10.00 per 1000; Ricard, Poitevine, Castellane and Viaud at $12.50 per 1000.

ALBERT M. HERR,

LANCASTER, - PA.

VINCAS

From 2½-in. pots....$2.00 and $3.00 per 100
From 4-in. pots.....6.00 per 100

Also **GERANIUMS,** mixed, from 4-inch pots, $7.00 per 100. Cash with order.

GEORGE BISCHOFF

ANN ARBOR. MICH.

Oconomowoc, Wis.

Otto Speidel is now a very busy man at the P. A. Valentine estate, the family having decided to take up residence here again during the summer months. The place has been neglected for a number of years, but it is now rapidly assuming its old-time form under Mr. Speidel's highly efficient treatment.

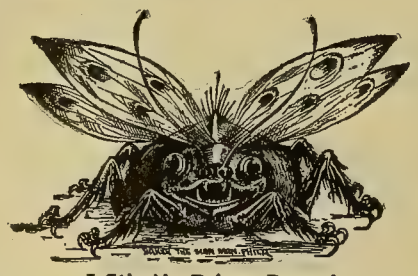
Maurice A. Jorgenson has the sympathy of his numerous trade friends in the death of his wife, who died June 7. Mrs. Jorgenson (Emma Morris Nixon) was born June 5, 1866, at Ironton, O., where she lived until the time of her marriage, April 3, 1894.

Otto Sylvester has had quite a successful season and will again take up the growing of violets on a small scale this fall.

The White Elm Nursery, 5010 Summit street, is a new concern operating about 10 acres.

Chas. H. Jackson reports a good demand for seeds in all his usual lines this season.

LOOK OUT!



I Sting! Prices Down!

ROOM! ROOM!!

We Need Room.

LOOK! LOOK! LOOK!

In order to place our big importation of **Palms, Araucarias,** etc., we are slaughtering prices of **Bedding Plants** down to an almost shameful condition of affairs.

Just think? The best variety of **Scarlet Sage,** Clara Bedman or Bonfire, 4-in. pots, of which we generally never have enough at $12.00, that ugly bee above has now stung the price down to $5.00 per 100, $45.00 per 1000; no less than 100 at this price are sold in one order.

	Per 100
Begonia Vernon and Erfordi, 4-in.	$5.00
Fuchsias, 4-in.	6.00
Cannas, French, best well-known varieties, 4-in.	5.00

Clematis, the true Jackmani, 6-in. pots, 3 feet, 35c to 40c.

Cobea Scandens, 4-in., staked up, 2 ft. high, worth $15.00, cut down to $5.00 per 100.

Don't forget that we lead the world in **Moonvines.** Watch and be careful that you don't buy Morning Glories for Moonvines, 4-in., $12.00 per 100; 2½-in., $5.00 per 100.

GERANIUMS.

S. A. Nutt, John Doyle and some pink, 4-in. pots, $7.00 per 100; and mixed varieties.

Mme. Salleroi for borders, strong plants, 2½ and 3-in., $4.00 per 100.

The following plants are cut down to $2.00 per 100, 2½-in. pots:—Marigold (Eldorado and Gold Ring, 3-in.), Petunias (Inimitable and California Giant), Nasturtiums, Heliotropes, Phlox (Drummondi), Dusty Miller, Lobelia (blue compacta and trailing), Summer Chrysanthemums, Sweet Alyssum (Little Gem), Ageratum (best blue, 3-in.), Verbenas, Torenia Fourneri, Kenilworth Ivy.

Victoria Asters, 2½-in. pots, separate colors, $2.00 per 100.

Now is the time to plant **Cosmos.** We have the best improved strain in three separate colors, red, pink and white, three plants in one pot (3-in. pots) strong plants, raised in cold frames. Price: $5 00 per 100.

Solanum, or Jerusalem Cherries. We carry the best improved strain called the Multiflorum, always laden with big berries. Price: 2½-in. pots, $4.00 per 100.

Boston and Scottii Ferns, 4-in., 20c.

Whitmani Ferns, 4 in., 25c.

Kentia Belmoreana, 5¼ to 5½-in. pots, 22-25-27 in high 50c to 75c; 4-in. 20 to 22 in. high, 35c to 40c. **Forsteriana,** 5 to 5½ in., 50c to 75c. Just received, per steamer Manitou, a consignment of larger **Kentia Forsteriana;** price, $1.00, $1.25, $2.00 to $2.50 each.

Araucaria Excelsa Glauca, spring of 1907 importation, suitable for the lawn and porches, only specimen plants left, 7-in. pots, 6 years old, 5 tiers, 25 to 30 35 to 40 in. high, same in width, $1.50, $1.75, $2.00, $2.50, $3.00 to $4.00 each.

Araucaria Excelsa Glauca, May 1908 importation, 3 tiers, 6-in. pots, $1.00 to $1.25.

Araucaria Robusta Compacta, May 1908 importation, 3 tiers 6-in. pots, beautiful plants, $1.25 to $1.50.

Araucaria Excelsa, May 1908 importation, 3 tiers, 6, 8 and 10-in., 40c; 3 to 4 tiers, 5-in. pots, 5 tiers, 5½ to 6-in. pots, 10, 12, 14 16 to 18 in. high, 50c, 60c, 75c to $1.00 each.

Bay Trees, just received, per steamer Manitou, 6 ft. high from top of tub, 30-in. crowns, $12.00 per pair.

All goods must travel at purchaser's risk only Cash with order, please.

GODFREY ASCHMANN, 1012 W. Ontario St., Philadelphia

Importer, Wholesale Grower and Shipper of Pot Plants.

Surplus List.

	Per 100
Asparagus Plumosus, 2-in.	$3 00
" " 2½-in.	4 00
" Sprengeri, 2½-in.	3 00
Ageratum, Little Blue Star	3 00
Achyranthes, 2 kinds, 2½-in	3 00
Begonia Gloire de Sceaux, 2½-in.	10 00
" Fairy Queen, 2½-in.	4 00
" Vernon, 2½-in.	4 00
Chrysanthemums, large stock; send for list.	
Coleus, John and Anna Pfister, 2-in.	3 00
Castor Bean, tall bronze and dwarf green, 2½-in	4 00
Cobea Scandens, 2-in.	4 00
" 4-in.	10 00
Cyclamen, Vaughan's Giant-Flowering, 2½-in	4 00
Cannas, strong pot plants; send for list.	
Dahlias, strong pot plants, named, in all the best sorts, both cactus and large flowering	6 00

	Per 100
Geraniums, ivy-leaved, asst. kinds, 2½-in	$4 00
" Little Pink, Sycamore, Beaute Poitevine, Single and Dbl. White, 2½-in.	4 00
4-in.	8 00
Moonvines, white, 2½-in.	4 00
Kenilworth Ivy, 2½-in,	2 00
English Ivy, 4-in., long vines	10 00
German Ivy, 2½-in., long vines	3 00
Lobelia Speciosa and Bedding Queen, 2-in.	2 50
" New Dbl. Kathleen Mallard, 3-in.	8 00
Latania Borbonica, 2½-in.	4 00
" " 3-in.	7 00
Primula Obconica, 2-in.	3 00
Solanum Capsicastrum, 2½-in.	4 00
Smilax, myrtle leaf, 3-in.	5 00
" large leaf, 2-in.	2 00
Sage, Holt's Mammoth, 2-in.	2 50
Santolina, 2-in.	3 00
Thunbergia, 2½-in.	3 00
Petunias, finest double sorts, 2½-in	4 00
Pelargoniums, named kinds, 4-in. pots	15 00

Vaughan's Seed Store, 84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

Greenhouses and Nurseries: Western Springs, Ill.

Boston and Piersoni Ferns.

2½-inch	$ 3.00 per 100
3-inch	6.00 per 100
4-inch	10.00 per 100
6-inch	.40 each.

Thomas Salveson, Petersburg, Ill.

Neph. Whitmani

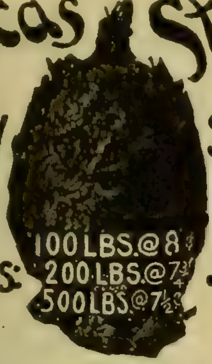
2¼-inch	$ 5.00 per 100
3½-inch	25.00 per 100

Boston Ferns 2¼-inch, $3.00 per 100.

Henry H. Barrows & Son, WHITMAN, MASS.

For Best Results Advertisers should mail new advertisements and changes so as to reach us on Mondays.

Cycas Stems



NEW STOCK
ALL SIZES

Prices: 100 LBS.@8¾ 200 LBS.@7¾ 500 LBS.@7½

VAUGHAN'S SEED STORE,

CHICAGO, 84-86 Randolph St. **NEW YORK,** 14 Barclay St.

A FEW GOOD THINGS YOU WANT.

Asparagus Sprengeri, 2-in., $2.50 per 100; 3-in. $5.00 per 100. Seedlings, $1.00 per 100.
Geraniums, Nutt, Doyle, Perkins Ricard, Grant La Favorite, R. C., $1.25; 2-in. pots, $2.00; 3-in., $4.00 per 100; Trego Viaud, Castellane, Poitevine, Jaulin, R. C., $1 50; 2-in. pots, $2.50; 3-in., $5.00 per 100. Mme. Salleroi, 2-in. $3.00 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100; 3-in., $5.00 per 100.
Boston Ferns, 5-in., 30c each.
Vinca Var., 2-inch, $2.00 per 100.
Dracena Indivisa, 2-in., $3.00; 3-in., $5.00 per 100.
Gladiolus Bulbs, light colors, $1.00 per 100.
Rex Begonia, $5.00 per 100.
Coleus, Cigar Plant, Verbena Heliotrope, Scarlet Sage, Bonfire, 2-in. pots, $2.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the express companies properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

AFTERGLOW

Orders now booked for field-grown plants, to be delivered in August and September.
First size....................$14.00 per 100
Second size.................... 12.00 per 100

R. WITTERSTAETTER,
(Originator) Station F, CINCINNATI, O.

Roses for Sale.

1400 Brides, 1400 Maids, 800 Gates, 700 Perles in 3½-inch pots, good strong healthy plants at $35.00 per 1000.

Cash to accompany order.

A. SUNDERBRUCH'S SONS,
232 West Fourth St. CINCINNATI, O.

Jensen & Dekema

CARNATION SPECIALISTS

674 W. Foster Ave., CHICAGO.

Rooted Cuttings. Prepaid per 100. Heliotrope, Alternanthera, 50c; Coleus, Ageratum, 60c:
Fuchsia, 5 fine kinds, 2-in., $1.50 per 100.
Coleus Bedders, 2-in. $1.25 per 100.
Tomato Plants, Stone and Trophy. 75c per 1000.
Asters, Branching, 6 colors, $2.00 per 1000.

SHIPPENSBURG FLORAL CO. Shippensburg, Pa.

LARGEST STOCK OF ALL

Belgian Plants

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

LOUIS VAN HOUTTE, PERE,
GHENT, BELGIUM.

GERANIUMS.

A CORDIAL INVITATION is extended to all interested in Geraniums to visit us in June, to inspect our new stock houses containing over 60,000 plants, and especially to see our new show house. In it there are over 300 varieties in full bloom, a splendid opportunity to compare the newer introductions with the old standards, and to select stock for next season. We will make very liberal special prices on all orders booked now for December delivery. We are at Cowenton on the B. & O. R. R., and at Chase on the Pennsylvania. We meet all trains.

READY FOR SHIPMENT FROM 2-IN. POTS.

Standard Sorts, at $2.00 per 100 and up. We will send 1000, 50 each of 20 varieties, our selection for $18.50; single or double, all good sorts; a splendid collection to stock up.

Newer Varieties, selected from the finest introductions of 1905-6, at $6.00 to $8.00 per 100.
Novelties, one each of 50 varieties, for $5.00. 1907 introductions from Bruant, Lemoine Rozain-Boucharlat, Cannell, etc.

	Per 100
Smilax, strong plants..................	$2.00
Coleus, Golden Bedder and Verschaffeltii, 2-in., $2.00; 3-in..........	3.00
Begonia, Vernon and Gracillis, 2-in......	2.00

Hardy Chrysanthemums, $2.00 per 100; 500 in 20 varieties, our selection, for $9,00; 1000 in 20 varieties, our selection, for $17.50. Strong plants from 2-in. pots.

Visitors always welcome. Cash with order.

R. Vincent, Jr. & Sons Co., White Marsh, Md.

PALMS Home Grown.

COCOS WEDDELLIANA.

	Each	Doz.
2½-in. pot, 8 to 10 in. high........	.10	
2½-in. pot, 10 to 12 in. high........	.15	

KENTIA BELMOREANA.

	Each	Doz.
6-in. pot, 6 to 7 leaves, 22 to 24 in..	1.00	12.00
6-in. pot, 6 to 7 leaves, 24 to 26 in..	1.25	15.00
6 in. pot, 6 to 7 leaves, 26 to 28 in..	1.50	18.00
6 in. pot, 6 to 7 leaves, 30 to 36 in..	2.00	24.00
7-in. pot, 6 to 7 leaves, 32 to 34 in., heavy..........................	2.50	30.00

Full line of Kentias, (all sizes), ready n July.

JOSEPH HEACOCK COMPANY, Wyncote, Pa.

Primroses

	Per 100
Chinese, single fringed, July 20	$ 2.00
Obconica Alba Rosea, July 20..............	2.00
Gigantea and **Kermesina,** July 20...........	3.00
Forbesi "Baby," July 20..................	2.00

Asparagus

	Per 100
Plumosus, 2¼-in. pots, July 1..............	$ 2.00
Sprengeri, 2¼-in. pots......................	2.00
Seedling Petunias,..........................	2.50
Smilax, July 10............................	1.25

Giant Flowering Pansy Seed, oz. $4.00; ready.

JOS. H. CUNNINGHAM, Delaware, O.

FERNS and ASPARAGUS.

	Per 100	1000
2¼-in. Boston and Piersoni, extra strong.	$3.50	$30.00
3 -in. " " " " "	7.00	65.00
4 -in. " " " " "	12.50	100.00
5 -in. " " " " "	25.00	
6 -in. " " " " "	50.00	
2¼-in. Scottii and Elegantissima, extra strong..............................	4.00	
3-in. Scottii and Elegantissima, extra strong..............................	$8.00	$75.00
2¼-in. Asparagus Plumosus extra strong	3.00	25.00
4 -in. " " " "	9.00	85.00
2¼-in. " Sprengeri, " "	2.25	
3 -in. " " " "	5.00	
4 -in. " " " "	8.00	

THE MOSBAEK GREENHOUSE CO., Onarga, Ill.

NOTICE.

	Per 100	1000
Geraniums, 3-in. pots..................	$3.00	$25.00
" 3½-in. pots..................	3 50	28.00
" 4-in. pots,..................	4.00	33.00
Coleus, 2½-in. pots,..................	2.00	17.00
Double Petunias, 3-in. pots	$3.00	$25.00
Asparagus Plumosus, 3-in. pots......	5,00	
Asparagus Sprengeri, 2½-in. pots....	2.50	22.00
Salvia Zurich, 3-in. pots..............	3.00	

PERENNIAL GARDENS CO., Toledo, Ohio.

FERNS FOR DISHES

Assorted Varieties.
From 2-in pots, $3.00 per 100; $25.00 per 1000.
Cash with order.

FRANK OECHSLIN
2570-2606 W. Adams St., Chicago.
Formerly Garfield Park Flower Co.

A. F. LONGREN

Rooted cuttings and plants of
CARNATIONS and CHRYSANTHEMUMS
—MY SPECIALTY—
Des Plaines, - Illinois.

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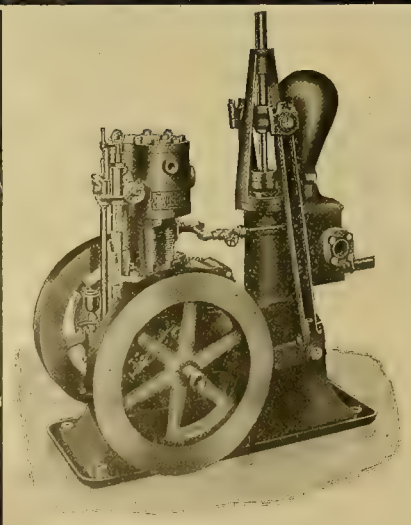

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Cyclamens, 2½-in., $5; 3-in., $7; 4-in., $15; 5-in., $20 per 100. S. S. Skidelsky, 1741 N. 18th St., Philadelphia.

Cyclamens. Vaughan's giant-flowering. 2½-in., $4 per 100. Vaughan's Seed Store, Chicago and New York.

DAHLIAS.

Dahlias, 2½-in., $2 per 100, such sorts as C. W. Bruton, Mrs. Winters, Fire Rain, Frank Smith, Mrs. Roosevelt, Kriemhilde, Countess of Lonsdale, Mme. Van der Dael. Memphis Floral Co., Memphis, Tenn.

Dahlias, standard, double valuable sorts, $3 and $4 per 100. New and fancy sorts, $8 to $12 per 100; few good standard sorts, $2 per 100. Ferndale Nurseries, Harlan, Iowa.

Dahlias, pot plants, named, cactus and large flowering, $6 per 100. Vaughan's Seed Store, Chicago and New York.

Dahlias, leading varieties. David Herbert & Sons, Atco, N. J.

Dahlias, all leading sorts. James Vick's Sons, Rochester, N. Y.

The American Florist invites attention to the class of business firms in its adv. columns.

DAISIES.

Daisy Queen Alexandra, well flowered, 6 and 7-in., $6 to $9 per doz. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Daisies, Shasta, 2 kinds, 2-in., 1½c. Byer Bros., Chambersburg, Pa.

Daisies, English, $3 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

DRACENAS.

Dracæna indivisa, 2¼-in., $2; 3-in., $5; 4-in., $9 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Dracæna indivisa, 3-in., $5 per 100; $45 per 1,000. Vick & Hill, Box 613, Rochester, N. Y.

Dracæna indivisa, 2-in., $3 per 100; 3-in., $5. Geo. M. Emmans, Newton, N. J.

Dracæna indivisa, 5-in., $3 per doz.; $20 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

FERNS.

Ferns, Boston and Piersoni, 2½-in., $3 per 100; 3-in., $6; 4-in., $10; 6-in., 40c each. Thos. Salveson, Petersburg, Ill.

Ferns, Whitmani, 2¼-in., $5 per 100; 3½-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Son, Whitman, Mass.

Ferns for dishes, assorted vars., 2-in., $3 per 100; $25 per 1,000. Frank Oechslin, 2570 W. Adams St., Chicago.

Ferns, Boston and Scottii, 4-in., 20c. Whitmani, 4-in., 25c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns. See our display advertisement for varieties and prices. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns, Boston and Elegantissima, 3 and 4-in., $6 and $12 per 100. W. W. Coles, Kokomo, Ind.

Ferns, Boston, 5-in, 30c each. Geo. M. Emmans, Newton, N. J.

FEVERFEW.

Feverfew, 4-in., $8 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

FICUS,

Rubber plants, 5-in., 75c each; 6-in., $1. Buffalo Cut Flower Co., Buffalo, N. Y.

Ficus elastica, 4-in., $3 per doz.; 5-in., $4.20 per doz.; 6-in., $6 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

FUCHSIAS.

Fuchsias, 4-in., $6 per 100; 2½ and 3-in., $3 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Fuchsias, in bud and bloom, 3-in., $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Fuchsias, 5 kinds, 2-in., $1.50 per 100. Shippensburg (Pa.) Floral Co.

GERANIUMS.

100,000 GERANIUMS from 2½-in. pots, made from March struck cuttings, young, strong and vigorous, in bud and bloom, $2 per 100; $18 per 1,000; varieties: S. A. Nutt (any quantity), Peter Henderson (scarlet), Beaute Poitevine (salmon), Jean Viaud (pink), Mme. Buchner (white); also choice STOCK PLANTS of the same varieties, bench grown, full of cuttings, true to label, packed light, $4 per 100; $40 per 1,000. Order quick. Prompt shipment. You know us.

THE W. T. BUCKLEY CO., Springfield, Ill.

Geraniums, standard sorts from $2 per 100 up. Will send 1,000, 50 each of 20 varieties, our selection, $18.50. Newer varieties, 1905-6, $6 to $8 per 100. Novelties, one each of 50 varieties, $5. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, 3-in., $3 per 100; $25 per 1,000; 3½-in., $3.50 per 100; $28 per 1,000; 4-in., $4 per 100; $33 per 1,000. Perennial Gardens Co., Toledo, O.

Geraniums, Jean Viaud, Heteranthe, A. H. Trego, M. de Castellane, Granville (pink single), in bud, 3-in., strong and bushy, $5 per 100; $40 per 1,000. Memphis Floral Co., Memphis, Tenn.

Geraniums, Nutt, Doyle, Perkins, Ricard, Grant, La Favorite, R. C., $1.25; 2-in., $2; 3-in., $4 per 100. Trego, Viaud, Castellane, Poitevine, Jaulin, R. C., $1.50; 2-in., $2.50; 3-in., $5 per 100. Geo. Emmans, Newton, N. J.

Geraniums, S. A. Nutt, Ricard, Trego, Heteranthe, Mme. Buchner, La Favorite, extra strong bushy plants in bud and bloom, 4 and 5-in., $5 and $6 per 100. Cash. Mrs. Edward Hayden, Greenview, Ill.

If you do not find what you need in our Ready Reference Department, write us about it.

Geraniums, ivy leaved, assorted kinds, 2½-in., $4 per 100. Little Pink, Sycamore, Poitevine, single and double white, 2½-in., $4; 4-in., $8. Vaughan's Seed Store, Chicago and New York.

Geraniums, standard varieties mixed, 2¼-in., $2.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Geraniums, ivy, rose, Nutt, dbl. Grant, Gen. Grant, Buchner, Viaud, etc., 2 and 2½-in., 1½c. Byer Bros., Chambersburg, Pa.

Geraniums, R. C., fall delivery, Nutt, Buchner and Perkins, $10 per 1,000. Ricard, Poitevine, Castellane and Viaud, $12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, mixed, 4-in., $7 per 100. Geo. Bischoff, Ann Arbor, Mich.

Geraniums, Nutt and Ricard, 4-in., $7; 3-in., $4 per 100. W. J. & M. S. Vesey, Ft. Wayne, Ind.

Geraniums, bud and bloom, 4-in., $5 per 100. C. Eisele, 11th and Westmoreland Sts., Phila.

Geraniums, S. A. Nutt, John Doyle, etc., 4-in., $7 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Geraniums, 4-in., $8 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Geraniums. James Vick's Sons, Rochester, N. Y.

Geraniums. Geo. A. Kuhl, Pekin, Ill.

The American Florist invites attention to the class of business firms in its adv. columns.

GLADIOLI.

Gladiolus America, $6.50 per 100; $60 per 1,000. Write for prices on other stock. Cushman Gladiolus Co., Sylvania, O.

Gladiolus bulbs, $1 per 100. Geo. M. Emmans, Newton, N. J.

GLOXINIAS.

Gloxinias. L. Van Houtte, Pere, Ghent, Belgium.

GREENS.

Greens, bronze galax, $8.50 per case of 10,000; green, $7.50 case of 10,000. Dagger and fancy ferns, $1 per 1,000. Laurel festooning, boxwood, southern wild smilax, sphagnum and green moss, leucothoe sprays, etc. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, dagger and fancy ferns, $1.75 per 1,000. Bronze and green galax, $1.25 per 1,000. Leucothoe sprays, $1 per 100; $7.50 per 1,000. Sphagnum moss, per bale, $1.25. Boxwood bunches, 35c; 50 lbs., $7.50. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 53 W. 28th St., New York.

Greens, cut palmetto and cycas leaves, galax leucothoe, ferns, mosses, etc. Kervan Co., 113 W. 28th St., New York.

Greens, smilax, ferns, palm leaves, etc. John P. Scherer, Union Hill, N. J.

Greens, southern wild smilax. E. A. Beaven, Evergreen, Ala.

HARDY PERENNIALS.

Perennials, Coreopsis lanceolata, 5-in., 10c; Campanula in variety, 5-in., 12c; 6-in., 15c; bud and bloom, 6-in., 35c; sweet william, 5-in., 12c; Lychnis C., 3½-in., 5c; Ampelopsis Veitchii, 2-in., $2.50 per 100; 3-in. perennials for pots, 75c per doz.; $5 per 100; sweet william, 4-in., 75c per doz.; $5 per 100; garden pinks, 4-in., 85c per doz.; $6 per 100; myosotis for-get-me-not, 60c per doz.; $4 per 100; Lychnis Chal., 3-in., 85c per doz.; $6 per 100; foxglove, 3-in., 85c per doz.; $6 per 100; achillea, 3-in., 75c per doz.; $5 per 100; Pentstemon hybrids; Canterbury bells, 4-in., 85c per doz.; $6 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Hardy perennials. Get our prices for field-grown stock. We have one of the best assortments of seedlings, transplanted plants and undivided clumps. Mosbæk Greenhouse Co., Onarga, Ill.

Hardy pinks, asst, colors in bud and bloom, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Moonvines, 4-in., 30 to 36 ins., $12 per 100; 2½-in., $5. G. Aschmann, 1012 W. Ontario St., Philadelphia.

HELIOTROPES.

Heliotrope, 2-in., $2 per 100; $15 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

Heliotrope, blue, 2½-in., $3 per 100. C. Eisele, 11th and Westmoreland Sts., Phila.

Heliotrope, 4-in., $8 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Heliotrope. Geo. M. Emmans, Newton, N. J.

HONEYSUCKLES.

Honeysuckles, Halliana and Red Trumpet, $1.50 per doz.; $10 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

HYDRANGEAS.

Hydrangea Otaksa, $9, $12 and $18 per doz. J. A. Peterson, McHenry Ave., Westwood, Cincinnati, O.

Hydrangeas, 3-in., $10 per 100; 6 and 7-in., 50c, 75c and $1 each. Geo. A. Kuhl, Pekin, Ill.

Hydrangea Snowball, 3-yr., $5 per doz. Vaughan's Seed Store, Chicago and New York.

Hydrangeas. W. & T. Smith Co., Geneva, N. Y.

IVIES.

Ivy, Kenilworth, 2½-in., $2 per 100. English, 4-in., $10; German, 2½-in., $3. Vaughan's Seed Store, Chicago and New York.

Ivy, English, 4-in., $1.50 per doz.; $10 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Ivies, long, 4-in., $12 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

English ivy, 3-in., $3 per 100. The Krueger Bros. Co., Toledo, O.

Ivy, English, 4-in., 2 ft., $8 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

LILACS.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

From Storage.

Lily of the valley, pips, cold storage. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley, cold storage pips, $14 per 1,000; $1.75 per 100. H. N. Bruns, 1407-11 W. Madison St., Chicago.

LOBELIAS.

Lobelia speciosa and Bedding Queen, 2-in., $2.50; new double Kathleen Mallard, 3-in., $8 per 100. Vaughan's Seed Store, Chicago and New York.

MOSS.

Sphagnum moss, 5 barrel bale, $1.25; 2 bales, $2.25; 5 bales, $5; 10 bales, $9.50. H. R. Akers, Chatsworth, N. J.

Sphagnum moss in burlay or wired bales. Write for prices. Vaughan's Seed Store, Chicago and New York.

MUSHROOM SPAWN.

Mushroom spawn, Barter's Prolific, wholesale only. Write for prices. John F. Barter, Ltd., Napier Road, Wembley, England.

Mushroom spawn, the very best that England makes. J. Pitcher, Ltd., Uxbridge, London, Eng.

Mushroom spawn. Johnson's improved. Johnson's, Ltd., 44 Bedford Row, London, W. C., Eng.

Mushroom spawn. English and pure culture. Weeber & Don, 114 Chambers St., New York.

Mushroom spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

MYRTLE.

Myrtle, field-grown clumps, strong, $2 per 100; $17.50 per 1,000. Geo. A. Dhonau, Sta. H., Cincinnati, O.

NURSERY STOCK.

Grape vines, old and new varieties. T. S. Hubbard Co., Fredonia, N. Y.

Nursery stock, peach, one-year and June buds; plum, De Soto, Wyant, and Japanese varieties; pear, cherry and quince, mulberry, privet, California and Amoor River; Magnolia grandiflora; Spirea Van Houttei; altheas. Fraser Nursery Co., Inc., Huntsville, Ala.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, trees and shrubs, price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Nursery stock, arbor vitæ (Thuya occidentalis) 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, large trees, oaks, maples, pines and hemlock. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, fruit and shade trees, shrubs, evergreens. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. Storrs & Harrison, Painesville, O.

ORANGES.

Oranges, Kinkan. P. J. Berckmans Co., Augusta, Ga.

ORCHIDS.

Orchids, C. Trianæ, C. labiata, C. Schroederæ, C. gigas Sanderiana, C. Harrisoniæ, C. citrina, Lælia anceps, Oncidium varicosum Rogersii, O. ornithorhynchum, O. tigrinum, Odontoglossum Insleayi, O. Rossii majus, also orchid peat, sphagnum moss, baskets, etc. Carrillo & Baldwin, Secaucus, N. J.

Orchids, arrived in fine condition, C. Mossiæ, C. Gaskelliana, C. speciosissima and C. gigas Sanderiana. Ordonez Bros., Madison, N. J.

Orchids in superb condition. Cattleya Mossiæ, C. Schroederæ, Lælia anceps, Epidendrum vitellinum, etc. Lager & Hurrell, Summit, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England. New York office, room 1, 235 Broadway.

Orchids, choice assorted flowering, established, $12 per doz. Wm. Mathews, West View Greenhouses, Utica, N. Y.

Orchids. Largest stock in the country. Ask for prices. Julius Roehrs Co., Rutherford, N. J.

PALMS.

Palms, Kentia Bel., 5-in., $7.20 doz.; 5-in., strong, $9 per doz.; 6-in., $12 per doz.; 6-in., strong, $15 per doz.; 6-in., $1.50 each; $18 per doz.; 7-in., $1.75 each; $21 per doz.; 8-in., $2.50 each; $30 per doz.; 8-in., strong, $4 each; $48 per doz.; 9-in., $6 each. Forsteriana, 5-in., $7.20 per doz.; 5-in., strong, $9 per doz.; 6-in., $12 per doz.; 6-in., strong, $15 per doz.; 7-in., $2.50 each; $30 per doz.; 8-in., $3 each; $36 per doz.; 8-in., strong, $5 each; $60 per doz.; 9-in., $6 each; $72 per doz. Made-up plants, $6 each; $72 per doz. Pheonix Canariensis, in small tubs, $2.50 each. Cycas revoluta, 4-in., 25c each; 5-in., 35c; 6-in., 50c each; 7-in., 75c to $1 each; 8-in., $1.25 to $1.50 each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Palms, home-grown. Cocos Wedd., 2½-in., 8 to 10 ins., 10c each; 10 to 12 ins., 15c each. Kentia Bel., 6-in., 6 to 7 leaves, 22 to 24 ins., $1 each; $12 per doz.; 6-in., 6 to 7 lvs., 24 to 26 ins., $1.25 each; $18 per doz; 6-in., 6 to 7 lvs., 26 to 28 ins., $1.50 each; $18 per doz.; 6-in., 6 to 7 lvs., 30 to 36 ins., $2 each; $24 per doz.; 7-in., 6 to 7 lvs., 32 to 34 ins., $2.50 each; $30 per doz. Joseph Heacock, Wyncote, Pa.

Palms, Kentia Bel., 5¼ to 5½-in., 22, 25, 27 ins., high, 50c and 75c each; 4-in., 20 to 22 ins., 35c and 40c. Kentia Fors., 5 and 5½-in., 50c and 75c each; larger, $1 to $2.50 each. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Latania Borb., 2½-in., $4; 3-in., $7. Vaughan's Seed Store, Chicago and New York.

Palms. P. J. Berckmans Co. Augusta, Ga.

Palms. L. Van Houtte, Pere, Ghent, Belgium.

PANSIES.

Pansies, Boddington's Challenge, in bloom, $1 per 100. W. J. & M. S. Vesey, Ft. Wayne, Ind.

PELARGONIUMS.

Pelargoniums, named kinds, 4-in., $15 per 100. Vaughan's Seed Store, Chicago and N. Y.

PEONIES.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Wholesale peony list for fall 1908 is now ready. J. F. Rosenfield, West Point, Neb.

Peonies, leading varieties. Gilbert H. Wild, Sarcoxie, Mo.

Peonies, leading varieties. E. G. Hill Co., Richmond, Ind.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies, leading vars. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunias, double fringed in bud and bloom, 2½-in., $2.50 per 100. The Krueger Bros. Co., Toledo, O.

Petunias, double sorts, 2½-in., $4 per 100. Vaughan's Seed Store, Chicago and New York.

Petunias, dbl., 2-in., 1½c. Byer Bros., Chambersburg, Pa.

Petunias, seedlings, $2.50 per 100. Jos. H. Cunningham, Delaware, O.

Petunias, dbl., 3-in., $3 per 100; $25 per 1,000. Perennial Gardens Co., Toledo, O.

Petunias, 4-in., $6 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

POINSETTIAS.

Poinsettias, hard and soft wood, 2½-in. pots, $4 per 100. McIntyre Bros., Florists, Nashville, Tenn.

Poinsettias, 2½-in., $5 per 100; $45 per 1,000. S. S. Skidelsky, 1741 N. 18th St., Philadelphia.

If you do not find what you need in our Ready Reference Department, write us about it.

PRIMULAS.

Primroses, Chinese single fringed, $2 per 100. Obconica, alba, rosea, $2. Gigantea and Kermesina, $3. Forbesi, "Baby," $2. Jos. H. Cunningham, Delaware, O.

Primula obconica, 2-in., $3 per 100. Vaughan's Seed Store, Chicago and New York.

RHODODENDRONS.

Rhododendrons. Jacs Smits, Naarden, Holland.

ROSES.

Roses, grafted, Mrs. Jardine, Rhea Reid, Queen Beatrice, $6 per doz.; 50 for $18; $35 per 100. My Maryland, 50c each; $5 per doz.; $35 per 100; own root, 2½-in., $20 per 100; 3-in., $5 per doz. Standard vars.: Aurora, Bon Silene, Bride, Maid, Enchanter, Etoile de France, Franz Deegen, Gen. MacArthur, Hermosa, Kate Moulton, La Detroit, M. Cochet, M. Niel, Rosalind Orr English. Wootton, Wellesley, White Cochet, grafted, 2¼-in., 20c each; $2 per doz.; $15 per 100; $120 per 1,000. Own root roses, 2½-in., Killarney, Bride, Bridesmaid, Ivory, Richmond. Chatenay, Aurora, $1 per doz.; $6 per 100; $50 per 1,000; 3-in., $8 per 100; $75 per 1,000. A. N. Pierson, Cromwell, Conn.

Roses, Mrs. Potter Palmer, 2½-in., $15 per 100; $125 per 1,000; 2,000 or more, $115 per 1,000; 3½-in., $18 per 100; $150 per 1,000. Cardinal, 2½-in., $6 per 100; $55 per 1,000; 3½-in., $8 per 100; $75 per 1,000. Maid, Richmond, Sunrise, Uncle John, 2½-in., $4.50 per 100; $40 per 1,000; 3½-in., Maid, Kaiserin, ready now, $6.50 per 100; $60 per 1,000. Benched Beauties, cut back, $6.50 per 100; $55 per 1,000. Am. Beauties, 2-in., $5 per 100; $45 per 1,000; 2½-in., $5.50 per 100; $50 per 1,000; 3-in., $7 per 100; $65 per 1,000; 3½-in., $8 per 100; $75 per 1,000; 4-in., $12 per 100; $110 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

YOUNG ROSE STOCK.

	Per 100	Per 1,000
Uncle John, 2½-in.	$3.00	$25.00
Kaiserin, 3¼-in.	5.00	45.00
Kaiserin, 3-in.	4.50	40.00
Kaiserin, 2½-in.	3.50	30.00
Maids, 2½-in.	3.00	25.00
Brides, 2½-in.	3.00	25.00
Kate Moulton, 2-in.	3.00	25.00
500 Killarney, 2½-in.	5.00	

WIETOR BROS., 51 Wabash Ave., Chicago.

Roses, in pots and outdoor: Prairie Queen, 3 to 5 ft., 15c to 35c each. Crimson Rambler, 2 ft., 15c. Baby Rambler, 3½-in., $6 per 100. Sweet briar, 2 to 3 ft., 10c to 25c each. One lot of hybrid perpetual, 5-in., asst., pot-grown, $15 per 100. Bride, Maid, Chatenay, 5-in., 3c. Baby Rambler, 3-in., 6c. Uncle John and Chatenay, 1-yr., in flower and bud, 6-in., 15c. Hybrid perpetuals, $15 per 100; $2 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Roses, 2½-in., Bride, Maid, Uncle John, Ivory, Chatenay, $2.50 per 100; $22.50 per 1,000. Sunrise, Kate Moulton, $4 per 100; $35 per 1,000. Richmond, $3 per 100; $25 per 1,000. Killarney, $5 per 100; $40 per 1,000. Bench plants: Richmond, $4 per 100; $35 per 1,000. Am. Beauty, $6 per 100; $50 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Roses, grafted, Chatenay, Killarney, Richmond, Liberty, La France, 3½-in., $18 per 100; Bride, Maid, Golden Gate, Kaiserin, 3½-in., $15 per 100; own root roses: Bride, Maid, Killarney, Richmond, Chatenay, 3-in., $7 and $9 per 100. J. L. Dillon, Bloomsburg, Pa.

Roses, grafted Killarney, Richmond, Bride and Maid, $12 per 100; $110 per 1,000. Own roots: Bride, Maid, G. Gate, Ivory, Perle, Killarney, Richmond, $6 per 100; $55 per 1,000; all from 3½-in. P. R. Quinlan, Syracuse, N. Y.

Roses, Killarney, 2½-in., grafted on briar, $10; 2½-in., on manetti, $12. Beauties, 2½-in., $50 per 1,000. Kaiserin, 2½-in., $4.50 per 100; $40 per 1,000. Bassett & Washburn, 76 Wabash Ave., Chicago.

Roses for forcing, grafted, Bride, Maid, Kaiserin, Killarney, Richmond, Wellesley, $10 per 100; $100 per 1,000. Jackson & Perkins, Newark, N. Y.

Roses, Killarney, Bride, Maid, G. Gate, Ivory, Chatenay, Beauty, Carnot, Richmond, Perle, 2¼- and 3-in. Geo. A. Kuhl, Pekin, Ill.

American Beauties, rooted cuttings, $3 per 100; $25 per 1,000; 2¼-in., $6 per 100; $50 per 1,000. J. F. Wilcox, Council Bluffs, Iowa.

Roses, grafted and own root, Kaiserin, Carnot, Killarney, Richmond, Liberty, Bride and Bridesmaid. W. H. Elliott, Brighton, Mass.

Roses, American Beauty, bushes, bench plants, $6 per 100; $55 per 1,000. Wietor Bros., 51 Wabash Ave., Chicago.

Roses, 1,400 Brides; 1,400 Maids; 800 Gates; 700 Perle, 3½-in., $35 per 1,000. A. Sunderbruch's Sons, Cincinnati, O.

Roses, Kaiserin, 3-in. pots, $4.50 per 100. Wm. B. Sands & Sons Co., Lake Roland, Md.

Roses for forcing. W. & T. Smith Co., Geneva, N. Y.

Roses a specialty. The Dingee & Conard Co., West Grove, Pa.

Roses. Very fine Bride, Maid, Kaiserin, Gate, 3-in., $5 per 100; $45 per 1,000; 2½-in., $25 per 1,000. Order sample hundred from Gullett & Sons, Lincoln, Ill.

Roses, leading hybrid perpetuals, also hardy climbers. Fraser Nursery Co., Inc., Huntsville, Ala.

Roses, 1 year bench plants, Beauties, $5 per 100; $40 per 1,000. Geo. Reinberg, 35 Randolph St., Chicago.

Roses, own root. C. M. Niuffer, Springfield, O.

Roses, 400 best sorts, 2½ and 4-in. Leedle Floral Co., Springfield, O.

Roses. James Vick's Sons, Rochester, N. Y.

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SALVIAS.

Salvia Zurich in bud and bloom, 4-in., $6 per 100; 3-in., $3 per 100; 2-in., $2 per 100. The Krueger Bros. Co., Toledo, O.

Salvias, Clara Bedman or Bonfire, 4-in., $5 per 100; $45 per 1,000. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Salvias, Bonfire, 2½-in., $3; 3-in., $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Salvias, 2-in., $1.50; 3-in., fine, $2.50. Best kinds, large. W. H. Gullett & Sons, Lincoln, Ill.

Salvias, 2½-in., $3 per 100. West End Greenhouses, Lincoln, Ill.

Salvia Zurich, 3-in., $3 per 100. Perennial Gardens Co., Toledo, O.

Salvias, R. C., $1 per 100; $8 per 1,000. S. D. Brant, Clay Center, Kans.

Salvias, 4-in., $6 per 100. J. P. Hauck, Carrick, Pa.

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Seeds, Primula obconica, the type, ⅛ oz., 50c; tr. pkt., 15c; grandiflora, mixed, 1-16 oz., $1; tr. pkt., 25c; fimbriata, 1-32 oz., $1; tr. pkt., 50c; Bright rose, 1-32 oz., $1; tr. pkt., 25c; Kermesina, 1-32 oz., $2; tr. pkt., 50c; white, 1-32 oz., $1; tr. pkt., 25c; gigantea rosea, 1-32 oz., $3; tr. pkt., 50c; gigantea kermesina, tr. pkt., 35c. Vaughan's Seed Store, Chicago and New York.

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Seeds, Asparagus plumosus nanus, per 1,000 seeds, $2. Sprengeri, per 1,000 seeds, 75c. W. C. Beckert, North Side, Pittsburg, Pa.

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Smilax, 3-in., $3 per 100. West End Greenhouses, Lincoln, Ill.

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Cleary's Horticultural Co., 62 Vesey St., N. Y.

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Ford Bros.., 48 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., N. Y.

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Langjahr, Alfred H., 55 W. 28th, St., N. Y.

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McKissick, W. E., 1619-21 Ranstead St., Philadelphia.

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Sheridan, Walter F., 39 W. 28th St., New York.

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Weiland & Risch, 59 Wabash Ave., Chicago.

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Wittbold, Geo. Co., 1657 Buckingham Pl., Chicago.

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(Copy.) Connersville, Ind., June 10, 1908.

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Two years of utter neglect have given the catalpa sphynx full control of the great L. & N. plantations, and I had to watch this terrible destruction from day to day, with no apparatus to apply the remedy.

Your generous supply of Slug Shot, etc., was on hand, but nothing except a small hand spray to work with. On my own place I used this hand machine, one nozzle, and hired a large force of men to hand-pick the worms. From the first the Slug Shot killed all the worms where we used it. The two barrels of Slug Shot, 600 lbs., were soon used up, and I ordered more from the purchasing agent, at Louisville, Ky.: at any rate we are using Slug Shot with most beneficial results this season. We use about 600 lbs. per day.

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Yours truly, JOHN P. BROWN.

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Steam Traps, the Standard return steam trap has no equal for its simplicity of working. E. Hippard, Youngstown, O.

Detroit Automatic Steam Trap. American Blower Co., Dept. A. F., Detroit, Mich.

SUPPLIES.

Supplies. Rustic hanging baskets, rustic pedestals, settees, chairs, tables, birdhouses, window boxes, vases, etc. Reed & Keller, 122 W. 25th St., New York.

Supplies. Cape flowers, cycas leaves, metal designs and all florists' supplies. A. Herrmann, 404-12 E. 34th St., New York.

Supplies. Importers and manufacturers of florists' supplies, L. Baumann & Co., 78 Wabash Ave., Chicago.

Supplies, wire designs. Pittsburg Florists' Ex., 228 Diamond St., Pittsburg, Pa.

Supplies of all kinds and novelties. E. H. Hunt, 76 Wabash Ave., Chicago.

Supplies of all kinds. E. F. Winterson Co., 45-49 Wabash Ave., Chicago.

Supplies of all kinds. A. L. Randall Co., 19-21 Rand[illegible]on St., Chicago.

Supplies of all kinds. H. Bayersdorfer & Co., 1129 Arch St. Philadelphia.

Supplies of all kinds. H. M. Robinson & Co., 8-11 Province St., Boston.

Supplies and wire designs. Weigel & Ujfalussy, 136-138 W. 28th St., New York.

Supplies, wire designs, etc. The Cleveland Cut Flower Co., 215 Huron Road, Cleveland, O.

TOOTHPICKS.

Toothpicks, wired, 10,000, $1.75; 50,000 $7.50. W. J. Cowee, Berlin, N. Y.

VENTILATING APPARATUS.

Ventilating apparatus. Send for circulars. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Ventilating apparatus for every type of greenhouse. New model encased, self-oiling gear. Standard Model Open Gear. Lord & Burnham Co., 1133 Broadway, New York.

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A plain and practical treatise on window and house plants invaluable to the beginner. Retail florists should procure copies of this book for their customers. It contains 153 pages of excellent reading matter and 43 illustrations. **Price $1.20.**

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BY B. P. WAGNER.

An excellent treatise on landscape gardening as it applies to beautifying the home grounds. It is written by a thoroughly experienced practitioner and contains many fine illustrations showing the correct methods of treating grounds of all kinds, yard and factory premises. Its low price should insure it a ready sale. Price $1.00, illustrated.

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Getz There Insecticide Soap.
The one insecticide that Getz There with San Jose and Insects in general. A general insecticide, for outdoor and greenhouse use, at half the cost of usual insecticides.
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is guaranteed to give you excellent results. It will also make kerosene emulsion without heat. Write us your troubles and we will give you directions worked out for us by well known entomologists and horticulturists.
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These vases are made with a reservoir for water, from which a constant and even supply of moisture is drawn by capillary attraction, and they do not need watering oftener than once in ten or fifteen days. Thousands of Reservoir Vases are in use on lawns and in cemeteries all over the country. Our prices are no higher than those of ordinary vases. Catalogue sent on application. Liberal terms to dealers.

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Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.
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INSECTICIDE AND FUNGICIDE
For the Garden, Orchard and Greenhouse
Non-poisonous and harmless to vegetation.
Kills Green Fly, Aphides, Bark Lice, Thrips, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.
This is the Grower's Friend, handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. $1.50 per gallon. Also in quarts, half gallons and in bulk.
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Kansas City.

BUSINESS GOOD.

Business last week was good, so good that by Saturday it was a difficult matter to find a presentable showing in any of the stores. The inability of the express companies to make deliveries of incoming flowers added to the unusual demand occasioned by the school commencements, and several prominent funerals brought about this condition. Roses show some improvement; however, the only choice offerings are Killarney and some Pink Beauty. American Beauty is noticeably scarce, and the quality is poor. Carnations are fair and not over-plentiful. Some fine Easter lilies have been seen on the market, as well as a choice lot of gladioli. Sweet peas are very scarce. Hydrangeas are about the only good offering in pot plants. It was thought that last week would mark the end to the rains and floods which have been so destructive this season. So far as it is possible to learn none of the trade has suffered directly from the effects of the floods. The continuous rains have played havoc with all kinds of outdoor flowers. Shippers have had great difficulty in getting out orders, but the volume of country business ordinarily is not large at this time of the year, since country school commencements are some two weeks past. Some merchants appear inclined to think the damage wrought by the flood will affect business in this locality. It was shown, however, that in the disastrous flood of 1903 industry was not affected to any marked degree, and that conditions following the flood were good and things were not slow in adjusting themselves. The previous experience has proved a lesson and the warning was ample, giving those situated in the lower portions a chance to protect their interests.

NOTES.

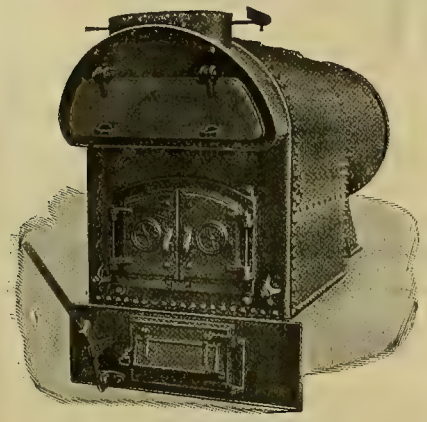
Arthur Zirkman was seen wading through Harlem with a nice bunch of orders secured on his visit here. Mr. Zirkman, perhaps, thought he would find this a dry town until he arrived here and was marooned for several days.

The next meeting of the Missouri Valley Horticultural Society will occur at Parkville, June 20, providing the high water recedes so that place may be reached.

Samuel Murray reports a very busy week with commencements and funeral work.

Chas. E. Heite and wife have gone to Chicago to spend the week. K. C.

STEEL RETURN TUBULAR
Steam BOILERS Water



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Gentlemen:—The internally fired steel boilers which you installed last fall are giving us great satisfaction. They heat very quickly and are very economical. We are exceedingly well pleased with them and they have more than met our expectations. Very truly yours, F. R. PIERSON CO.

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FUEL, WATER, REPAIRS
HOW?
By Installing a
MOREHEAD TRAP
Write us for a 30 days' trial. We will place a trap in your heating system and will abide by your decision whether it pays or not. We know once you install a MOREHEAD you will never be without one—Investigate it.
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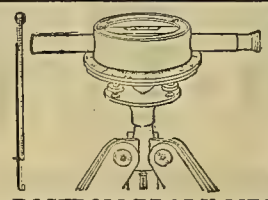
MYERS & CO. BUILDERS OF
Modern Greenhouses
HEATING BOILERS.
1122 Betz Bldg.,
PHILA., PA.

WATER LILIES.
An excellent treatise on this increasingly interesting subject treated from all points of view in a simple, practical and instructive manner. The authors have kept in mind the needs of the amateur grower as well as those of the grower of large quantities. Profusely illustrated. Price $1.17.
AMERICAN FLORIST CO.,
324 Dearborn St., Chicago.

Louisville.

BUSINESS POOR.

Business conditions the past week were very poor. The commencements caused some stock to be used up, but there was so much on the market that they were hardly noticeable. Roses of good quality were in enormous supply, but the demand was not there. Carnations were a glut on the market, and found but little demand. The quality came down considerably. Sweet peas are very plentiful, of good quality, and find a fair demand. Peonies are in fair supply and have a good demand. Fancy greens still remain scarce.



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For Parks, Cemetery and Landscape Gardening use, take the place of expensive Engineering Instruments. Simple in construction, easily adjusted, more substantial and less cumbersome than the more elaborate and complicated instruments. Practical, up-to-date instrument that any one can use. Write for descriptive circulars and be convinced that this Level is necessary to complete your outfit. Builders' Level $25.00. Farm Level $12.50.
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The first special newspaper in the world for floral arrangement.
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10,000, $1.75; 50,000, $7.50. Manufactured by
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Sample free. For sale by dealers.

Florists' Refrigerators
Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.
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Successors to Emil Steffens
Manufacturers of Florists' Wire Designs and Supplies. Established 1866.
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Anything in the line of wire work and designs not listed in our catalogue will be made up promptly on short notice.

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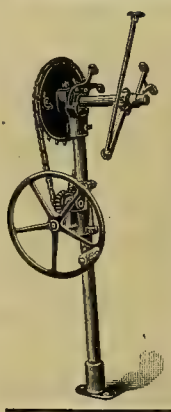
This is the British Trade Paper, being read weekly by all the Horticultural traders; it is also taken by over 1000 of the best continental houses. Annual subscription to cover cost of postage 75c; Money orders payable at Lowdham, Notts.
Address Editors of "H. A."
Chilwell Nurseries, LOWDHAM, Notts, England

Paul Berkowitz of H. Bayersdorfer & Co., Philadelphia, Pa., was a recent visitor attending the marriage of his son, W. F. Berkowitz, to Miss Edna M. Levy of this city.

Jacob Schulz has a fine crop of lilies coming on. F. L. S.

THE STANDARD
VENTILATING MACHINERY

The original machine with self-oiling cups. The most powerful, least complicated, very compact, with ease of operation.
The New Duplex Gutter
Over six miles in use and highly recommended by all. The only Drip Proof gutter on the market.
The Standard Return Steam Trap
It has no equals for simplicity or its working. Catalogue free.
E. HIPPARD, Youngstown, Ohio.



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a SUISNES, Brie
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Actual size of leaf 2¾ x 5¼ inches.
FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Price: Per 500, $2.85, per 1000 $4.50. Samples on request. Electro of leaf, postpaid, $1.25. Cash with order.
AMERICAN FLORIST CO.
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THE LARGEST MANUFACTURERS OF
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PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.

DREER'S
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KEYSTONE CEDAR PLANT TUBS.

	Diam.	Each.	Doz.	100.
A	11 in.	.65	7.15	55.00
B	12¼ "	75	8.25	65.00
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Three largest sizes have handles.

Special PAIL TUBS.

8 inches.	.30	3.50	28.00
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Painted Green.

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THE KELLER POTTERY COMPANY,
Manufacturers of FLORISTS' RED STANDARD POTS.
Azalea Pots, Bulb and Fern Pans, Etc.
Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

The Ionia Pot is the Best Pot.
That's the reason why it was necessary to double our capacity in 1907 to take care of the trade of 1908. Our factory equipment is the best. Our output is the largest.
Hand your next season's order to Uncle Sam today. Our invoice will be in your hands on his return trip.
IONIA POTTERY COMPANY, Ionia, Mich.

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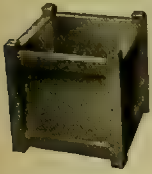

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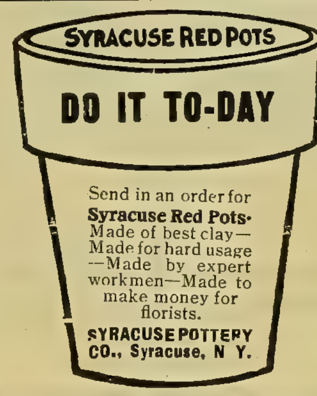

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Standard Flower Pots!
Packed in small crates, easy to handle.

	Price per crate
1500 2-in., in crate	$4.88
1500 2¼ "	5.25
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1000 3 "	5.00
800 3½ "	5.80
500 4 "	4.50
320 5 "	4.51
144 6 "	3.16
120 7-in., in crate	$4.20
60-8 "	3.00
HAND MADE.	
48 9-in., in crate	$3.60
48 10 "	4.80
24 11 "	3.60
24 12 "	4.80
12 14 "	4.80
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Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address

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For Sale by Wholesale Seedsmen, Florists and Supply Dealers.
Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.
I. N. Kramer & Son, CEDAR RAPIDS, IOWA.

A. HERRMANN,
Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florists' Supplies.
——SEND FOR PRICES.——
404-412 East 34th St., NEW YORK.

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"STANDARDS"
FULL SIZE AND WIDE BOTTOMS, BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'F'Y.
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FLORISTS' SUPPLIES
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
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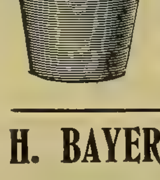

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Before buying write for prices.
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Florist's Red Pots
OF FINELY PREPARED CLAY.
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Porosity and Strength Unsurpassed.
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H. BAYERSDORFER & CO.,
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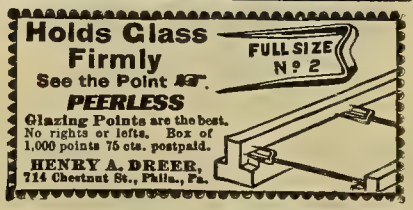
1129 Arch Street, PHILADELPHIA, PA
Send for our new catalogue.

PORT HURON, MICH.—Possibly the worst sufferer in the recent storm was Mathias Ullenbruch whose three greenhouses on Lapeer avenue were totally destroyed by the wind. A cement wall, six feet high and 100 feet long, which constituted the base of the building, was picked up and carried away. The loss is estimated at $6,000 with no insurance. The most deplorable feature of the occurrence was the fact that, as soon as the building was blown down, spectators rushed over the place and stole the flowers and plants that had not already been totally destroyed.

BOSTON, MASS.—The Miller Floral Co. has been incorporated with capital stock $100,000.

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty, Lasts longer than putty. Easy to apply.



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Never Rust
GLAZING POINTS
Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes ⅝ and ⅞. 40c per lb., by mail 16c extra; 7 lbs. for $2.50 15 lbs. for $5.00 by express. For sale by the trade

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2 Hudson St., NEW YORK.

European Horticulture.

FROM THE FRENCH TRADE PAPERS.

A FLOWER FETE AT THE TUILERIES will be held June 21 in Paris, under the auspices of the Paris Florists' Syndicate and the French Gardeners' Aid Society, for the benefit of the latter society, and for an academic vacation colony, which these clubs have founded. The programme is in two parts: First, a children's fete, consisting of a line of little carriages, driven or occupied by children and decorated with flowers, sedan chairs and Watteau flower girls, and many children's tableaux, in which flowers will play an important role: second, a revival of the ancient procession of St. Fiacre, in which a number of floats will be presented, the work of the organizations and the ten sections of the Association of French gardeners. A general battle of flowers will close the fete; only rose petals will be used and they talk already of 60,000 pounds of roses to be reserved from the growers of Brie and Orleans.

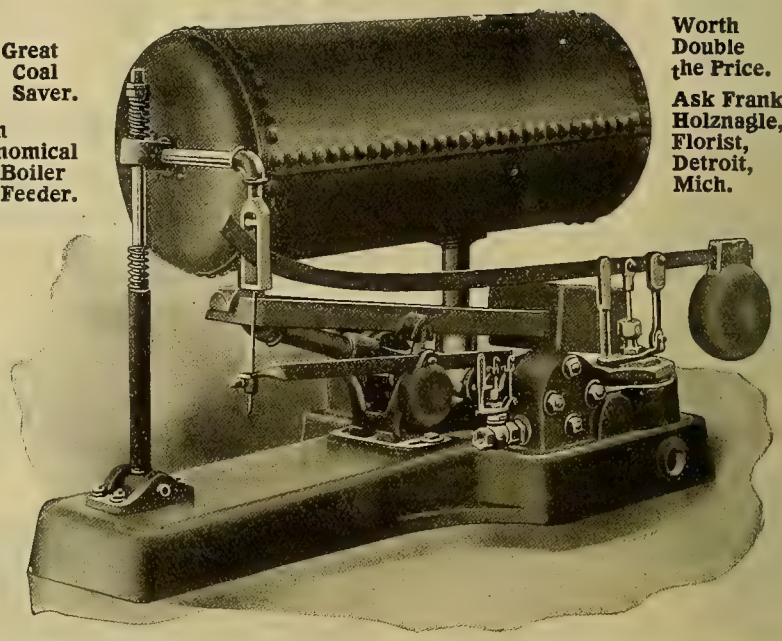
IMPATIENS OLIVERI.—This new impatiens of giant size, flower a soft lilac, shaped like I. Sultani, but much larger, of the same robust growth and profuse habit of bloom, is thought to have a promising future. It blooms the year around, in the greenhouse during the winter months, and in the open ground in summer, where it succeeds very well.

"DETROIT" AUTOMATIC RETURN STEAM TRAPS.

For Steam Heated Greenhouses. "Detroit" Traps will keep entire system free from water at all times, making every foot of heating surface hot and efficient, returning automatically all water of condensation directly into the boiler—hot—and without a pump or injector.

A Great Coal Saver.

An Economical Boiler Feeder.



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Ask Frank Holznagle, Florist, Detroit, Mich.

Write us number of feet and size of pipe in your greenhouse. IT WILL PAY YOU.

AMERICAN BLOWER COMPANY, Dept. A. F., Detroit, Michigan.

Attention!! Glass Buyers!!

WHILE IT LASTS.

A limited stock of highest quality HAND-BLOWN GREENHOUSE GLASS at the following RECORD-BREAKING PRICES:

	Per box.		Per box.
16x18 A, Double Strength	$1.96	16x24 A, Double Strength	$2.11
16x18 B, " "	1.82	16x24 B, " "	1.96

F. O. B. Chicago. Net cash. Mention prices when ordering.

H. M. HOOKER COMPANY,
WHOLESALE GLASS AND PAINTS,
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120 to 128 W. Washington St., Chicago.

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IMPORTERS and JOBBERS
GREENHOUSE GLASS
A SPECIALTY.
Window Glass, Paint, Putty, etc.
Office and Warehouse: Corner of Michigan, St. Clair and Illinois Streets, CHICAGO.

SPRAGUE, SMITH CO.
Jobbers of WINDOW GLASS.
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A SPECIALTY.
167-169 Randolph Street, CHICAGO.

If Your Boiler Hasn't These Cross Fire Channels With Side Flue Openings

Then it hasn't the economy of the **"Burnham."**

The new **"Burnham"** Boiler catalog shows exactly why.

It gives you something to think about on Cast Iron Boilers. Get it.

Here you see the three main Burnham economy points: the cross fire channels, the side flue openings and the fire travel three times the boiler's length.

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Superior to All Others
FOR HOT WATER HEATING

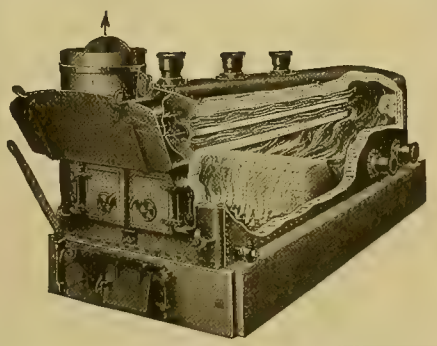
Superior Machine & Boiler Works
125 W. Superior St., CHICAGO, ILL.
Write for prices and catalogue.

The KROESCHELL BOILER
IS THE ONLY PERFECT
HOT WATER BOILER.
(NOT CAST IRON)

Has water in front, sides, top and a water back.

Made in 15 sizes, heating 6,000 to 50,000 square feet of glass to 60° at 15° below zero.

Prices and catalogue on application.



KROESCHELL BROS. CO.
45 Erie Street, CHICAGO.

LAURIUM, MICH.—A. M. York, of Hancock, is remodeling his branch store here, putting in a new corner entrance, plate glass front and making extensive internal alterations. Mrs. Nordquist will continue to manage the store.

NEW YORK.—John Scheepers & Co. were recently incorporated at Albany, with capital $25,000. The directors are John Scheepers, 24 Stone street; Wm. De Graff, 51 Greenwich street, and Philip Markell, 100 Chambers street.

Louisiana Red Cypress

As described by Bassett & Washburn.

CHICAGO, Nov. 20th, 1906.

Dear Sirs:-- Replying to your favor requesting our experience with Pecky Cypress, we will say, we have been using this grade of Cypress in our greenhouses and plant benches for the last **ten or twelve years** and so far **have not found any of this wood that has all rotted out.** We formerly used Hemlock and Pine but found that 2-inch stock only lasted about four years while so far we have had no Pecky Cypress rot out in ten or twelve years. We use clear Cypress for all our roof work, ventilators, etc., and it is very satisfactory. **WE think it is the only kind of lumber for the purpose.**

IT IS THE MOST DURABLE WOOD KNOWN. Ask about it at your local lumber yard or write

LOUISIANA RED CYPRESS CO. HIBERNIA BUILDING, **New Orleans, La.**

The Allied Trades

Descriptive particulars—with drawings or photographs, if possible—of any new apparatus or device which may prove helpful to the trade are solicited for this department.

Bostrom's Improved Level.

Bostrom's improved builders' level is apparently an extremely useful tool, being very simple and effective and at the same time reasonable in price. It is of the telescope order but without the back and front sights, and it is claimed that it is equally as accurate as the best form of engineer's level. Its uses are manifold where draining, foundation work, machinery or boiler setting is in progress. Many engineers, builders and contractors now using it speak of it in the very highest terms.

New and Original Wirework Designs.

The horticultural supply dealers, Weigel & Ujfalussy, successors to Emil Steffens, who recently located at 136-138 West Twenty-eighth street, New York, are showing many new and original designs for funeral work, all of which are manufactured on their own premises. Very noteworthy are their designs for the Mystic Shrine, Royal Arcanum, Elks and many other organizations. A number of these show pleasing variety and in the hands of competent florists, make up with fine effect. In emblems of the trades, we have never seen a better collection than theirs. Brakemen's and pilots' wheels on stands and folding easels, are prominent in this group. In addition to the great stock of their own manufacture, they carry many novelties and necessities in the business that are in demand in all first class retail stores.

Greenhouse Building.

Nashville, Tenn.—Geny Bros., additional houses; Joy Floral Co., two houses.

Cincinnati, O.—H. L. Sunderbruch, Jr., new greenhouses.

Newport, R. I.—Stewart Ritchie, one carnation house.

San Francisco, Calif.—T. Munroe, new greenhouses.

Buechel, Ky.—Reynolds & Struck, three houses, 22x100 feet.

Davenport, Ia.—Central park two houses, 22x125 feet; one house 12x125 feet. Chas. Hummell, one greenhouse, 20x80 feet; rebuilding range.

THE FOLEY MFG. CO.

CHICAGO.

Completely Equipped with Up-To-Date Machinery for the MAKING OF MATERIAL FOR

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FROM A FULL SUPPLY OF THOROUGHLY SEASONED LUMBER.

Send your sketches to our draughtsmen for completion and suggestion. Permit us to figure your proposed work large or small. **We Guarantee Our Prices Will Save You Money.**

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Send us your Lumber Bill for Our Estimate.

We bought at Manufacturers' Sale over 50,000,000 Feet of all kinds of Lumber and Finishing Material. We are making special concessions, to those who buy at once. Even if you have no use for this lumber at once, it will pay you to buy now. Our prices will save you 30 to 50 per cent.

We cheerfully invite inspection of our Lumber stock and will be glad to have you come to our warehouse and yards at Chicago, see the lumber we are offering, and you will recognize that it is all what we say of it; make your own selection and see it loaded. It is not necessary to come to Chicago; we can easily sell you by mail. We can quickly convince you of the wisdom of placing an order with us. Just send us your lumber bill, and we will easily ***"Show You."*** On application we will send copies of letters from customers who have bought. They saved money why can't you? Write us to-day. ***WE PURCHASED EVERY EXPOSITION, INCLUDING THE $90,000,000 ST. LOUIS WORLDS' FAIR*** ASK FOR OUR FREE 500 PAGE CATALOG, No. C. H. 47. IT QUOTES LOW PRICES ON BUILDING MATERIAL, MACHINERY AND FURNITURE.

CHICAGO HOUSE WRECKING COMPANY, 35th and Iron Sts., CHICAGO.

South Manchester, Conn.—S. L. Cheney, one house, 10x200 feet.

Minneapolis, Minn.—City workhouse, two greenhouses, 22x100 feet.

Woburn, Mass.—M. J. Aylward, one 200-foot house.

Brooklyn, N. Y.—A. Demeusey, two houses.

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXX. **CHICAGO AND NEW YORK, JUNE 27, 1908.** **No. 1047**

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TWENTY-THIRD YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—FRANK H. TRAENDLY, New York, Pres.; W. N. RUDD, Morgan Park, Ill., Secy.; H. B. BEATTY, Pittsburg, Pa., Treas. Next meeting at Niagara Falls, N. Y., August 18-21, 1908.

TRADE EXHIBITION MANAGER—Chas. H. Keitsch 210 Main St., Buffalo, N. Y.

THE NATIONAL FLOWER SHOW.

CHICAGO, November 6-15, 1908.

Wm. F. Kasting, Buffalo, N. Y., is chairman of the general committee in charge. Chairmen of sub-committees follow:

EXECUTIVE AND FINANCE—Wm. F. Kasting, Buffalo, N. Y.
AMERICAN EXHIBITS—Ph. Breitmeyer, Detroit.
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TREASURER—I. C. Bertermann, Indianapolis, Ind.

The above chairmen have power to select their Various committees from the general committee of 50 or the members of the S. A. F. at large.

THE AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Annual convention at the twin cities, St. Paul and Minneapolis, Minn., August 11-14, 1908. JOHN F. COWELL, Buffalo, N. Y., president: F. L. MULFORD, Harrisburg, Pa., secretary-treasurer.

AMERICAN PEONY SOCIETY.

Sixth annual meeting at Queens, N. Y., June 1909. C. W. WARD, Queens, N. Y., Pres.; A. H. FEWKES, Newton Highlands, Mass., Sec'y.

THE new headpiece on this page is reproduced from an interior photograph of the fine store of Holm & Olson, St. Paul, Minn.

A Great Seed House

Vilmorin-Andrieux & Co. Paris, France.

Part II.—Methods and Equipment.

Seed Growing.

Having given a brief history of the Vilmorins and of their accomplishments in science* we will now make a few comments on the commercial aspects of their business of seed growing. To grow seed is an operation as old as agriculture and an easy matter in itself, but to produce first class seeds is a very difficult task, and to grow pure, high grade seeds on a large scale, under such conditions of price and quality as will allow of their being disposed of easily at remunerative figures is a problem that demands great skill, capital amounting to millions of francs, and a large, well trained staff.

Stock Seed.

One of the first requisites in scientific seed growing is the production of first class stock seed. This is obtained by rigid, long continued selection of standard specimens, in which the required characteristics are well developed. The seed thus saved will have an important bearing upon the future crop. It is therefore not surprising that Vilmorin's stock seeds should all be raised, under their own supervision, at their seed farms at Verrieres, an old, picturesque, quiet village, about one mile from the railroad station of Massy and 10 miles from Paris, which has been the home of the Vilmorins for about 100 years and contains all the historical souvenirs of the family.

The Home Grounds.

Many readers of THE FLORIST who have visited the estate will recall the family mansion admirably set among beautiful trees, most of which have been raised by the Vilmorins themselves. Among the most interesting of these trees we may mention Juglans Vilmoriniana, a hybrid between J. nigra and J. regia, nearly 90 feet high, and probably unique in the world, as is also the Abies Vilmorini raised by the late Henry Vilmorin from a single seed obtained from a cross between A. pinsapo and A. Cephalonica.

The Seed Farms.

The seed farms of Verrieres, about 100 acres in extent, are located in a fertile region, well adapted to present purposes. These 100 acres are not all together, but scattered in various sites, part of the tract being in gardens surrounded by high walls. The farmers or truckers at Verrieres grow for the Paris market large quantities of vegetables and small fruits, such as peas, beans, strawberries, raspberries, currants, etc. They are all well-to-do and hold to their land, which is very valuable and remunerative, father to son, so that it is very difficult to add to the acreage, particularly to extend individual farms. But if the scattered character of the land is objectionable in some ways, it has the advantage of affording a great variety of choice stocks true to name.

The Growers.

To return to the stock seeds: once the seed from the typical specimens, showing the distinctive character of each variety, is saved, the firm sends it to the numerous seed growers all over France. It is a well known fact that the cultivated plants, so varied in character and origin, are much affected by slight variations of soil and climate and in order to produce fruit and fertile seeds they require conditions materially different in many cases. Special care, manures, shelters, artificial heat, irrigation, etc., may ameliorate the natural conditions to some extent, but they will not take the place of the sunshine and rain which certain

*See Vol. XXVI., No. 943, p. 1035, issued June 30, 1906.

climates afford. Hence the desirability of selecting for each kind of plant the natural conditions most propitious to the growing and ripening of high grade seeds. This is the reason that Vilmorin's seeds are their own crop only to a limited extent, rather the produce of the most competent French growers, bound by contract and located in those sections of the country where years of experience have shown local conditions to be best adapted to the production of certain kinds of seed, sunny France affording in small compass a great variety of climate, from the cold north to the mild California-like Riviera, with many intermediate types.

Inspection System.

The most reliable stocks raised on Vilmorin's own farms are supplied to the growers and the crops are inspected repeatedly during the year by a special staff of men who control the whole cultural operations and keep a watchful eye on the entire work. In the leading growing districts permanent inspectors are also kept. Thus while the grower, aided by the climate under which he operates, insures the perfect ripening and economical production of the seed, the firm, on the other hand, warrants the genuineness and good quality of the crop by supplying the cultivator with reliable and carefully selected seeds, and subjecting their production to rigid supervision whenever it is deemed necessary.

Rigid Selection.

The close selection to which the seed-producing plants are subjected at Verrieres, nine-tenths of which are sometimes discarded, raises the price of the stock seeds grown near the city of Paris to a high level, but this is the foundation of the business. The high price of the stock seeds is, however, a very small tax on the total yield of most crops, if we take into consideration that the yield is seldom less than 10 to one, and often exceeds 1,000 to one. Under these circumstances it is always advantageous to use stock seed of the best possible quality. Careful selection and the inspection of the fields are quite large items of expenditure, which accounts for the difference between the Vilmorin prices and those of other dealers who do not incur any such expense.

Contracting and Testing.

Despite all efforts to insure the proper execution of contracts, it is always necessary to watch the operations in order to detect any neglect of the growers or their employes. Such control of the operations is luckily rendered easy enough by taking a sample of each lot of seed, however small, when it is delivered. The samples thus taken are tested for vitality at once, and in due course are also tested in the open ground or under exactly the same conditions as are likely to obtain in the average fields or gardens of customers. All the plants of a given species are grown side by side in plots of a

Philippe Leveque de Vilmorin.
Chevalier of the Legion of Honor.

score or more individuals, according to the importance of the lots, until they are fully developed and a final decision can be reached as to their merits, making a kind of contest between the different lots supplied by the growers and the various sorts grown side by side, a very interesting and instructive feature. These trials particularly help in cases of controversy with customers to identify the quality of the seed supplied and also to ascertain the skill of the grower. On Vilmorin's seed farms at Verrieres are also tested the novelties introduced by other seedsmen and such tests often enable the firm to detect synonyms. The tests occupy every year over 25,000 plots, the results of which are carefully recorded in special trial books of which the firm possesses a set covering over 100 years.

Staple Varieties.

Besides the stock seeds, tests, etc., the firm also cultivates at Verrieres special collections of staple and standard varieties for comparison in the work of keeping them true to name. These collections form a kind of living museum to define varietal differences and the data gleaned therefrom by years of experience have always formed the best material for the different works issued by the successive generations of the Vilmorins. Complete collections of potatoes, wheat, strawberries, grasses, etc., from all parts of the world, have thus been maintained for nearly a century at Verrieres, where they are classified, and compared for characteristics that may prove useful in breeding. But as no memory can be relied on to remember all the types and their characteristics of the thousands of kinds of cultivated plants grown every season, the firm has taken every precaution to make complete collections either by assembling under frames, dried spikes of the various cereals, plaster casts from nature, models of roots—very accurate as regards size, shape, color and weight of those plants which lend themselves to that sort of reproduction—or by making colored pictures or lithographs of such plants as cannot be reproduced in any other way. These collections constitute a permanent exhibition particularly serviceable to the inspectors of the firm in the matter of conventional standards or types, enabling them to direct their attention at once to the most important questions concerning the growing crop.

The Laboratory.

Verrieres has also at its disposal an up-to-date laboratory with the latest scientific instruments, a studio, and all the accessories of a well equipped seed house, as greenhouses, drying and cleaning sheds, etc. Every few years some additions have to be made to the structures. We reproduce herewith some pictures of the leading buildings, including the farms of Massy-Palaiseau. The large store rooms at

A GREAT SEED HOUSE.
The Massy Seed Farm of Vilmorin-Andrieux & Co., Paris, France.

this place are located near an important railroad center, to which it is connected by a private track, and thus large shipments of seeds can be sent to the various Paris railroad stations at a very short notice.

Antibes.

Antibes, on the Riviera, is a southern annex to Verrieres for the growth of tender and sub-tropical plants which cannot withstand the northern winters. Chinese primulas are raised here by the 100,000 and, according to the most critical experts, are as fine as any grown in Europe. Cyclamens, large-flowering cannas, Asparagus plumosus nanus, etc., are also raised in large quantities. As bearing on the remarkable work done at Verrieres, we may say that in plants as well as in live stock the primordial characteristics of the individuals or races are transmitted in a more or less evident manner by heredity, and that it is quite possible by constant, close selection to infuse given properties into a race and render them stable. But this is a tedious and delicate operation, requiring an immense amount of patient and intelligent labor and an untiring supervision, extending sometimes over many years.

A GREAT SEED HOUSE.

Warehouses of Vilmorin-Andrieux & Co., Paris, France.

Fixing Types.

Some seedsmen often send to the firm stock seed saved from a single root or plant which has been picked out in a field or among a number of seedlings. These seedsmen are very much surprised to find that the product from the seed of that root or plant does not reproduce the type desired, but a great variety of types, and think that the necessary care has not been bestowed upon their stock seed. A knowledge of the fact that such an individual has to be grown for several generations before the special characteristics required of it are fixed would inspire greater confidence.

The City Store and Offices.

The prosperity of any establishment depends in a great measure upon its successful management and good organization. The headquarters of Vilmorin's extensive business is located at 4 Quai de la Megisserie, in the heart of the city of Paris, on the very spot on which the business was conducted early in the eighteenth century. The block was rebuilt in 1855 and planned upon a large scale to contain the various departments of the firm, but although two additional building lots had been added it became quite inadequate 20 years later. All departments connected with the freight and greater part of the retail orders had to be transferred to Reuilly, where there is nothing to prevent future development.

The offices at the Quai de la Megisserie accommodate over 200 permanent employes, having the active management of the entire enterprise. It may surprise Americans to learn that not a single girl is employed in the offices and that the typewriters are all men. Here is conducted the executive business of the firm, instructions issued to its various departments and growers, mail received, recorded and despatched. The shop with its small frontage on the Quai is well known to many of our readers, but it may surprise them to learn that its cash transactions during the busy season amount often to over $1,000 a day, which represents an enormous counter trade in seeds. On the first floor is located the ledger department with a staff of 30 employes, whose business, besides routine work, is to issue the necessary papers for collecting, through the postoffice, the retail accounts averaging $50,000 every month during the busy season. On the first floor is also located the mailing department.

Four Thousand Letters Daily.

The second floor is devoted to the partners' private office, domestic and foreign correspondence, with about 50 permanent clerks, sending out in the height of the season an average of 4,000 letters and invoices daily. Here small boys also open the immense quantity of mail received each day, paste the envelopes on the letters, for reference, if need be, and number each piece of mail. The latter is then read by a number of employes, who mention in the left corner of each letter, for future billing, etc., whether the writer is a seedsman, a market gardener or retail customer. Close to the sign used for each class of customers the employes also enumerate in a few adopted characters the contents of the whole letter, enabling any clerk by a single glance and without knowing the language in which the letter is written, to ascertain its contents, whether a seed, bulb or other order, a request for information or quotations, concerning the ledger department, etc. The letters are then recorded in large books and, knowing the numbers and characters just alluded to, it is very easy to learn in a minute in which department may be found the order or letter and at what date it was received. After recording all important mail (marked V) read by the partners themselves, the letters are distributed to the various departments. As nearly all orders are sent to the warehouses in the suburbs to be filled, such an elaborate system is quite necessary, and in fact all the details referred to take less time than to describe them.

Printing and Engraving.

Near the correspondence quarters, on the same floor, is the growing department, with a dozen inspectors, which, as already explained, is of the greatest importance. Close by is the publishing and exposition department. On the third floor are the offices of the warehouse and invoice chiefs with 68 assistants. Near by is the tree-seeds department, with seeds of the leading trees and shrubs of the world. From six to eight men in an adjoining room are kept busy, copying and recording the enormous mail daily sent out. The fourth floor serves as store

A GREAT SEED HOUSE.

Verrieres Warehouses of Vilmorin-Andrieux & Co., Paris, France.

rooms, from which the shop supplies are replenished. Above these, locked up, are kept the stock seeds to be sent to the growers, and next to that room is the printing office, with a dozen men printing millions of labels, paper bags, etc., required by the firm. On the sixth floor are located the colored seed packet and electrotype departments. The latter furnishes the large number of illustrations required for the different catalogues and various works issued by the firm and supplies also to the firm's customers any cuts they may need. Ever since the house published its first illustrated catalogue in 1869, the illustrations, about 4,000 in number, have nearly all been drawn by the same artist, Mr. Godard, and it will be conceded that for accuracy of detail they are not easily matched. For more than 50 years the firm has also issued hundreds of pictures, hand painted, of the most noteworthy flowers and vegetables. Number 6 Quai de la Megisserie has lately been acquired for the extension of the offices.

Reuilly.

If the Quai de la Megisserie may be called the head that issues all orders, Reuilly is the body that executes them. The gardens here have been owned by the Vilmorins for a little over 50 years. Toward the end of the eighteenth century the firm already owned an experimental ground on Reuilly street, but in 1830 it was appropriated by the city and replaced by a garden on Lorillon street. The latter in its turn had to be surrendered in 1848, when the present large tract of land at 115 Reuilly, about two miles from the offices, was luckily secured in its stead.

Experiment Grounds.

The land was originally intended for experiment purposes, for testing seeds and for raising some stock seeds of flowers. Subsequently large business premises had to be erected there. These premises, now nearly in the heart of the city, cover about three acres, but have many more acres of floor space. They are entered from a spacious central court with which the leading departments are connected. On the ground floor are the offices, the reception rooms, the freight order, flower seed and packing departments, admirably arranged to fill thousands of orders daily without useless fatigue to the staff. On the first floor of one of the structures is located the inland retail department, which is said to be the most practical extant.

Filling Orders.

The labor of this department is greatly simplified by numbering each catalogue item, so that only numbers and quantities appear on the order sheets. This also renders the filling of orders very easy to persons without special training, mostly women. A system of movable drawers allows of a novelty being inserted between two numbers without having to change the whole arrangement. Each box or drawer has as many duplicates ready filled during the dull season as the demand is likely to warrant, so that an empty box can be replaced by a full one at a moment's notice without the slightest interruption of the work. The tract of land in Reuilly street contains about seven acres, and the place is connected with the offices of the Quai de la Megisserie by a private telephone which was one of the first established in Paris.

Cleaning Machinery.

The machinery used in the warehouses is the most modern and approved for cleaning seeds and removing all useless foreign matter. Many patterns have been improved by the firm itself to suit particular varieties of seeds and attain the highest degree of perfection, as all seedsmen can attest from the goods received. Long before most of the official control stations were established in Europe, the Vilmorins were already fully equipped to make systematic purity tests of grasses, forage and such seeds which cannot easily be inspected in the fields and are always more or less mixed with chaff or impurities. As soon as the control stations had undertaken the seed tests under special, officially adopted rules, the firm paid particular attention to the subject, sent the chief of the laboratory to some of the leading official control stations in order to study their organization, adopt their official methods, best apparatus and conduct the firm's purity tests on the most modern, scientific principles.

A Great Seed House.
The City Store and Offices.

A Great Seed House.
Old Shop as It Was Over Half a Century Ago.

Growth of the Business.

Before closing these notes a few words may be said of the growth of the business. In the year of 1846 the firm received 2,410 letters, while the total number of letters received now is over 350,000 per year. The permanent staff has increased in the same proportion from 42 in the year of 1855 to about 600 at the present time. Fifty years ago the total weight of goods shipped during the year was 629 tons, while the firm now sends out in one year over 1,000 tons of only three varieties of mangold seeds, Giant Yellow Intermediate, Yellow Ovoid and Half Sugar White. Some varieties of beets, radishes and turnips are grown by the 100 tons. The firm has booked in one year for the United States 441 tons of turnip and swede seeds, 220 tons radish, 200 tons garden beets, 131 tons mangel, 80 tons carrot, 43 tons onion, etc., and the American is only a part of the firm's foreign business.

Flower Seeds.

The Vilmorins are headquarters for flower seeds as well as vegetable seeds. Many of the latter seeds sold by European firms are grown under the favorable climate conditions of France, and Vilmorin grows candytuft, convolvulus, mignonette, dianthus, sweet peas and nasturtiums by the ton; petunias, zinnias, phloxes, verbenas by the 1,000 and all other flower seeds in very large quantities. The growing of these seeds extends over France and Algeria, and it is not very easy to give an adequate idea of their importance. We may, however, safely say that the area of land under cultivation, that is, the area devoted annually to the production of seeds, must be over 12,000 acres. In 1855 it amounted to only 1,670 acres. Such a growth of business may not be without parallel in a new country like North America, but we do not think it has an equal in the old world.

The Employes.

Not a small part of the success to which we have alluded must be ascribed to the perfect understanding and excellent feeling existing between the heads of the firm and their employes. Clerks having had from 40 to 50 years' experience in the firm are of common occurrence, and men with 30 years of active service may be counted by the score. Many of the clerks have been employed by the firm from grandfather to grandson without a break. In conclusion let us say with Professor Bailey (Garden & Forest, 1893) that "Vilmorin is the best example of a firm which combines in successful proportions the scientific and commercial impulses, and is the only seed firm whose opinions upon scientific questions are accepted by professional botanists." PARISIAN.

Nebraska Vine and Corn Seed Crops.

Waterloo, June 19.—J. C. Robinson writes as follows: Four weeks of wet weather has been rather discouraging for our crops. Many fields of cucumbers have not been planted and cannot be for a few days. Earlier planted vine crops have made little progress and are getting very weedy. Corn on the hill land looks good and is fairly clean, but many fields on the bottom lands have been seriously injured by too much rain and lack of work. At this writing the weather has apparently cleared up and most farmers are able to start work again. It is not too late for a fair crop, but prospects might be better."

Theoretical and Practical Seed Breeding

Paper by Dr. W. W. Tracy, Department of Agriculture, Washington, D. C., read at Annual Convention of the American Seed Trade Association, Detroit, Mich., June 23-25, 1908.

The fundamental object of all cultivation is uniformity of product. The jungle often, even generally, carries a greater burden of vegetation than the best cultivated field; we may even find there some most perfectly developed plants of very desirable types, but they are not uniformly of the particular sort we need, so we clear them away, and aim, in the cultivated field, to have all of the plants, and all of the product of the kind we most desire. The more perfectly this is accomplished the better we feel paid for our efforts. One of the most important means of securing this result is the use of seed which is certain to develop into plants of the exact character wanted, and the production of such seed lies at the very foundation of all successful agriculture, and is well worthy of most careful study.

A GREAT SEED HOUSE.

Warehouse of Vilmorin-Andrieux & Co., at Reuilly, Paris, France.

HISTORY OF VARIETIES.

I do not think that a long discussion, even if it were a very learned one, of the scientific theories on which the production of pure seed is based would at this time be of much interest or value, and I will only refer to a few of them very briefly as an introduction to what I have to say on the more practical phase of the subject: Previous to Darwin's time scientists paid little attention to garden varieties or considered them of much importance. It was generally thought that they developed gradually and slowly as a result of long continued selection through natural or artificial conditions, and earlier efforts in seed breeding were founded on this supposition. Later scientists have come to recognize more clearly that every plant contains within itself a multitude of potential variations, some of which, though quite as distinct as those which distinguish species, may lie dormant without any apparent influence over the external form of the plant, which is wholly determined by combinations in certain definite proportions of other tendencies, yet these potential variations do not cease to exist but through the influence of the pollen of some other plant, changed external conditions, or other cause may at any time in some individual seed or bud become active and dominant, and bring about in it a new combination and balance of influences resulting in a radical change in the external varietal character, and the new form thus developed may by selection become as definite and fixed as the older one, and thus originate a new variety, or even new species. Each generation of exactly the same combination or balance of varient tendencies, and consequently identical external character, lessens the probability of a new combination and consequent external change.

RARITY OF TRUE TYPES.

On the other hand, considering the difficulty of finding two plants, or even two flowers of the same plant, which are exactly alike, even in external form, we must recognize the probability that those in which the active and potential varient tendencies exist in exactly the same proportionate strength are equally rare, and we can see ever present possibility of a change in the combination, and consequent change in the character of the seed. Scientists also assert that, at least in some cases, these different varient tendencies exist in balanced pairs, the relative dominant and recessive influence of each of the pair being controlled by definite laws through which the breeder can secure, as far as these pairs are concerned, definite results, but no one has as yet dared to claim that all the potential variations are so paired, or that the exact combination and resultant balance of influence between them can be easily controlled. There are many other theories as to the laws underlying breeding, but without farther discussion of them we will turn to the consideration of some of the known facts and conditions of plant life which determine the character of the plant which any particular seed will develop into.

The general proposition that a seed will develop into a plant like the one that produced it is so well known that we have such common sayings as "like produces like," etc., and with most gardeners the sight of a plant of special merit creates a desire for some of its seed, but there are many conditions which may result in a seed developing into a plant very different from that which produced it. First, there is always the possibility even with plants whose flowers are generally self-fertilant, that any particular seed may have developed as the result of cross fertilization, and in this way inherit quite different varient tendencies or in very different proportionate power from those of the plant upon which it was developed. This may be true even if the staminate plant is of the same species and variety, and externally seems practically identical with the seed producing one, for in it there may be a difference in the balance of varient influence having its origin in differences in earlier generations, possibly through the flowers of some "rogue" plant all the evil effect of which the seed grower thought he had got rid of when he pulled it from the crop. Second, there is the possibility that the producing plant itself may have resulted from cross fertilization of two quite distinct plants, though it may not itself show the effect of such crossing, which will not appear until the next generation.

TIME REQUIRED.

It is a well established fact, and one of the greatest importance in seed breeding, that the balance between the multitude of varient tendencies inherited from different ancestors, and the consequent character of the plant itself is very seldom established, often it is not even hinted at in the first generation after the combination. It usually requires a number of generations before this is accomplished to such an extent that the real result of the crossing is evident, as the slightest difference in the relative strength of any single varient may, and often does, so effect the balance so as to result in a material change in the character of the seed. We can only predict with certainty the exact character of the plant which any seed will develop into in proportion as we know not only that the seed itself has not been influenced through pollen from some other plants, but that all of the ancestors of the producing plants, both staminate and pistilate, back for many generations, have been of precisely the

A GREAT SEED HOUSE.

Verrieres Warehouses and Greenhouses of Vilmorin-Andrieux & Co., Paris, France.

same combination and balance of varient tendencies. We think the fact that the effect of an accidental or intended crossing often, we may even say generally, does not show, at least in its full force, until the second or third generation is of the utmost importance, but it is often overlooked, and we imagine we have a pure plant of a distinct type when in reality it is a cross, and certain to show its mixed origin in later generations.

DISAPPOINTMENTS.

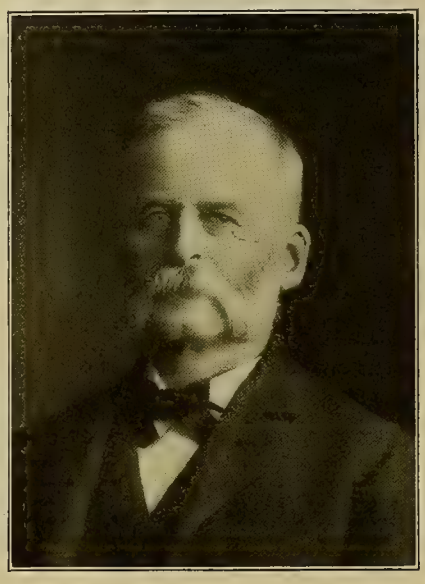
In common practice men save seed of some especially pleasing and perfect plant with little regard to the surrounding ones, if they are only of the same sort, and when they sow this by itself and get plants like the parent plant they are delighted, and think they have a pure strain only to be disappointed the next year. This is the history of many a novelty which was introduced in good faith, and with high hopes that at last we have something really good, for was not the original plant almost perfect, did we not most carefully save and plant its seed so there was no probability of mixing, were not the plants thus produced uniformly good? How, then, comes this most disappointing mixture and variation from the seed this year? On the other hand, many a breeder has thrown away crosses he has produced because they did not show the variation he was seeking, when, if he had planted them another year, he would have found just what he was after.

WORK OF THE SEEDSMEN.

The most important work of the seedsmen, however, is not the production of novelties or new and distinct strains, but the growing of stocks which shall be as nearly as possible absolutely uniform in type. There has already been developed in the case of most of our cultivated vegetables distinct varieties well adapted to different cultural conditions and market requirements, and the success and profit of the planter is very largely dependent upon a wise choice of the variety best adapted to his own conditions and requirements, and the use of seed which will uniformly develop into plants of that exact varietal character. The importance as a factor upon which profit is largely dependent on absolute uniformity of all the plants of any particular culture being of exactly the same varietal character, or, to express it in another way, of the use of pure and true seed of the sort, can hardly be overstated. We think we do not exaggerate in the least when we say that in the case of a majority of the fields of vegetables grown in this country, if all or even 95 per cent of the plants were as nearly like the ideal varietal type of the sort used as are the best 20 to 50 per cent of them, the profit from the field would be greatly increased, often actually doubled.

UNIFORMITY DESIRABLE.

Uniformity of type lessens the cost of cultivation, since it permits the different operations to be done at the exact time when most beneficial to all the plants. It lessens the cost of harvesting for similar reasons, and increases the value of the product because of its uniformity. In any of our markets, uniformity in the character of the contents of a package is always one of, often the most, important factor in determining the relative price it will command. The addition of different, even if distinctly superior specimens, will materially lessen its value. As we have said, we now have varietal forms well adapted to all common cultural conditions and market requirements, and the most important problem before the seedsman is not the creation of new and distinct variations, but the development of purer and truer stocks of sorts we now have, by the use of which the planter can be reasonably sure that all the plants in his field will be of practically identical varietal character. As seedsmen we may claim that he can do this now, and that the seed offered by American seedsmen is the best it is practical to handle, but I think they are a long way from it, and that I am speaking truly and fairly when I say that were we to test, in garden trials, samples of each and every variety of vegetable seed offered by even our best seedsmen, we would find more cases where less than 50 per cent of the plants grown were all typical of the variety, than we would samples where as many as 50 per cent could be said to be fully typical of the sort, and such as we would want to use for stock seed; yet there would be samples enough of this or even greater uniformity and purity of type to show that their production was not an impossibility. Nor is the argument that the public do not care for pure stocks, and would not pay for them, a valid one, for not a year passes but what seedsmen offer and sell in large quantities at high prices new stocks or strains to planters who eagerly



Dr. W. W. Tracy.

buy them in the hope of getting purer and truer seed than they have used.

VALUE OF TRUE STOCKS.

Again and again I have asked gardeners and truckers what they would give for seed, 99 per cent of which they were sure would develop into plants like that, pointing to some nearly perfect sample of the sort of which the field contained a good many, and received such answers as, "Oh, any price they asked," or "The price would cut no figure. I would buy enough for several years, for I never could hope to get it again." Nor is the production of such seed an impossibility, for it has been done again and again. We may not be able to fully accomplish it in all cases, but I am very certain that it is not only possible but entirely practical to produce stocks which shall be a great deal better than those now in common use, and that, too, without adding inordinately to the cost of production.

LINES OF WORK.

The first step in the development of such a stock is to form a very clear and definite conception of the exact varietal form we desire. I think it is essential that this be written out and be frequently referred to in order to avoid the indefiniteness and change in the type selected which I think is the cause of much of the variability now so common. I am well aware that it is a practical impossibility to write out a description which will enable the reader to select with certainty the exact type of plant the writer has in mind, but I also know by experience that the attempt to write such a description will always tend to sharpen the writer's conception of the exact type he is after, and be of great assistance to him in holding to that exact type from year to year.

The second step is to select a few plants which shall all come as near the conception of the type as possible, and save all the seed of each selected plant separately.

The third is to plant a sample of each of these selections, and carefully study their development and, selecting the lot or lots in which the plants are most perfectly and uniformly of the desired type, save from each of these a sample made up of a few seeds from each plant of the lot or sample.

The fourth step is to plant these samples; we probably will be surprised at the result, for we are likely to find that in this second generation the product of some of the plants we thought the best will show great variation, but we may hope that there will be at least one which will hold true and all the plants be of the desired type, thus showing that in their grandparent of the first year's selection we have a pure plant of the sort desired, and its seed, or at least that of it which we tested, had escaped contamination from other plants.

LOOK FOR PURE FOUNDATION.

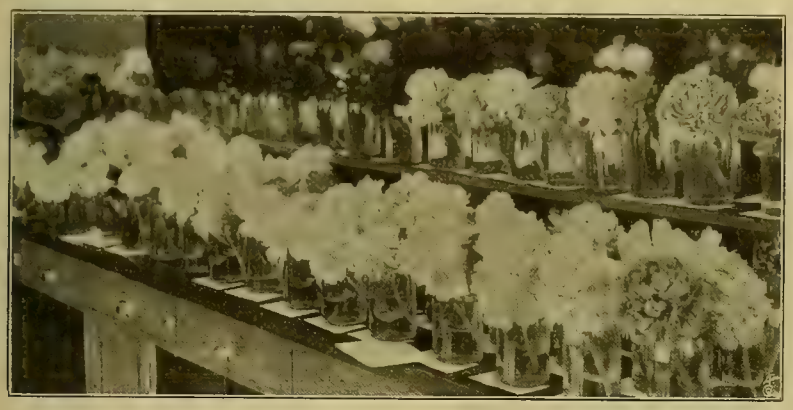
If the seed of all the plants first selected show variation in the second generation either in the test or in the subsequent planting for stock, all we can do is resume our search for a pure foundation plant, for our hope of a pure stock all rests on our securing this as a starting point; when we find it the battle is practically won, for all that is then necessary is to multiply the descendents of this pure plant without their being contaminated through pollen from inferior plants. This we can do by planting the seed of the original foundation plant by itself. It is, of course, true that human control of conditions is imperfect, and that it was possible that some of the seed of our foundation plant were crossed, and that is impracticable to entirely avoid all possibility of crossing in the future generations, and so, sooner or later, we shall probably lose this absolutely pure strain through the influence of other plants, but, in the case of most vegetables, we can usually grow a good stock before this occurs, and in the meantime we should have developed in the same way another and equally good strain to take its place. Seed breeders often fail in their efforts and lose faith in line breeding, first through the want of a clear conception of and rigid adherence to an exact varietal type, and second through failure to appreciate the importance of first making sure, by testing for two generations, the absolute purity of their foundation plant. A stream cannot rise higher than its source, and we cannot make a thing pure by simply removing the evidences of impurity which is all we really accomplish by even the most careful rogueing of a seed crop.

COST OF TRIALS.

Many doubtless think that all of this is quite impracticable, that no one can afford to test and retest in the way suggested, but please remember all this work is on small lots and for the sake of absolutely pure and true stock seed, and given this, it costs no more to grow an absolutely pure and true stock than it does one as impure and variable as many of those which are now, alas, too common. Indeed, the immediate cost of growing the crop actually sold would be less, as, with pure stock seed, there would be no need of rogueing, and much of the loss in harvesting and the necessity for hand picking because of uneven ripening would be saved. I am quite certain that in many cases if the cost of rogueing had been expended in improving, in the way suggested, the quality of the stock seed used, far better seed would have been obtained, and at less actual cost.

Finally we wish to refer again to the

practical impossibility of establishing a pure strain simply through the removal, no matter how carefully and thoroughly it is done, of rogues or plants which show variation. In nine cases out of ten the rogue simply reveals a damage done probably two years before, and the plant which produced it and the rogue itself had done irremediable injury to surrounding plants before it was discovered and removed. If what I have said has served to point out the impossibility of developing a pure and true stock simply through rogueing out the inferior plants, I have not talked in vain.



AMERICAN PEONY SOCIETY'S MEETING, ITHACA, N. Y., JUNE 19-20.
Exhibit of Prof. A. P. Saunders, Clinton N. Y.

THE PEONY.

American Peony Society Meeting.

The American Peony Society held its sixth annual meeting at Ithaca, N. Y., June 19-20. The meeting was held at this late date in order that President C. W. Ward might be present. An important business trip, however, kept him away. The exhibition of flowers was rather small because of the lateness of the season. T. C. Thurlow & Co. of Newbury, Mass., and Prof. A. P. Saunders of Clinton, N. Y., sent large consignments. The blooms were shown in the Agricultural building, some of the rooms belonging to the Horticultural Department being set aside for this purpose. The morning of the first day was spent at the peony plots, which are under the care of the Horticultural Department. In spite of the lateness of the season the field was one mass of blooms.

Business Meeting.

The regular business meeting of the society was called at 3 p. m., June 19, in the horticultural lecture room, by Secretary Fewkes; President Ward and Vice-President Peterson being absent. E. A. Reeves was appointed chairman and the minutes of the last meeting were read and approved.

The motion was made and carried to change the price of the check list from $5 to $2. A letter from Prof. Whetzel was read, saying that, because of conditions over which he had no control, he found it impossible to attend the meeting. He outlined the work he is doing on peony diseases and said he expected to publish results soon. A general discussion of the present trial plot was taken up. Many of the members favored making an appropriation to properly drain the plot on which the roots were planted. All agreed that the plants could not do well if the plot was left in the present condition. The members finally decided to confer with the college authorities to see if some arrangements could not be made whereby the plot could be properly drained or the roots removed to a better piece of ground. No further action was taken.

A letter from the Minnesota Horticultural Society was read, asking the association to hold the exhibition at the Minnesota State Fair grounds in 1909. R. T. Brown, representing C. W. Ward, asked the association to hold the next meeting at the Cottage Gardens, Queens. It was unanimously voted to accept Mr. Ward's invitation.

The members decided to have the secretary send out circular letters next year, about May 15, to learn from the growers when their peonies would be at the height of their flowering period. In this way the time of the meeting could be fixed to suit the majority of the growers.

Report of the Secretary.

The present membership of the society is 49, not including four honorary members. It is gratifying to note that the membership is steadily increasing, slowly, to be sure, but in a substantial manner. Those who have dropped are few and greatly overbalanced by the new members who are annually admitted.

Since the last meeting the work of the society has been steadily progressing. The committee on diseases has sent out a large number of inquiries, which have brought out much information, but which has not yet been reduced to an orderly condition. The nomenclature committee has the result of the work done by Prof. Coit, last summer, in press, in the form of a bulletin, which will be issued shortly. The secretary has the proceedings of the society for the five years from 1903-1907, inclusive, in the hands of the printer. In response to the circulars sent out by Prof. Craig last July in regard to forming a supplementary test collection, a large number of roots were sent in and were planted in accordance with the expressed wishes of the society. These, as well as the older collection, were top dressed with stable manure last fall, which served as a mulch last winter.

The exhibition held during the meeting last June was somewhat disappointing, owing principally to the lack of growers in the immediate vicinity of Ithaca, and the date being unfavorable to those at a distance. However, the Cottage Gardens Co., Queens, made a very creditable display. There were also displays from Ellwanger & Barry, S. G. Harris, Geo. Hollis, Prof. A. P. Saunders and F. C. Walcott. These were not so extensive as the first, but added materially to the show.

In regard to the diseases of the peony, we cannot be too watchful or too persistent in our endeavor to learn all that can be found out about their nature and means of prevention. To the commercial man the matter is not of a directly serious nature, but to the amateur and, indirectly, to the commercial man, it is most serious. I have in mind a peony garden near Boston which was stocked with many rare and choice varieties. Many of the plants had reached their third and fourth years and were fine, large plants. During last summer the wilt and black rot attacked many of them, causing much loss and distress to the owners. In the fall large roots were dug up which were completely destroyed. This is but one instance. There are many others who are suffering and so situated that they cannot change their plants to new ground, but must either give up growing the peony or find some means of checking or preventing the spread of the diseases.

AMERICAN PEONY SOCIETY'S MEETING, ITHACA, N. Y., JUNE 19-20.
Part of the Exhibit by the Cornell Department of Horticulture.

Election of Officers.

The following officers were elected: C. W. Ward, president; C. J. Maloy, vice-president; A. H. Fewkes, secretary; J. H. Humphreys, treasurer; E. A. Reeves, director. The following were elected to membership: C. Harman Payne, 141 Wellmeadow road, London, Eng.; Wm. Miller, Bar Harbor, Me.; John Cavers, Oakville, N. Y.; F. R. Pierson, Tarrytown, N. Y.; E. V. Hallock, Queens, N. Y.; John Merkel, Mentor, O. The following committee on awards was elected: A. H. Fewkes, B. H. Farr, R. T. Brown.

PORTION OF THE DEPARTMENT OF HORTICULTURE PEONY PLOT AT ITHACA, N. Y.

Awards.

OPEN CLASSES.

Largest and best collection of varieties, one flower of each—T. C. Thurlow & Co., West Newbury, Mass., first.

Fifty blooms, dark pink or rose—T. C. Thurlow & Co., second.

Fifty blooms, flesh or salmon pink—T. C. Thurlow & Co., second, with Baroness Schroeder.

Fifty blooms, crimson—T. C. Thurlow & Co., first, with Marshal Valliant.

AMATEUR CLASSES.

Collection of not less than 12 varieties, one of each—Prof. A. P. Saunders, second.

Best and largest collection of white varieties, one bloom of each variety—A. P. Saunders, second.

Best collection of rose pink varieties, one bloom of each—A. P. Saunders, second.

Best collection of crimson varieties, one bloom of each—A. P. Saunders, first.

Best six blooms of any variety—A. P. Saunders, first.

Hail Damage at Port Huron, Mich.

As briefly described in our last issue, a destructive cyclone struck Port Huron, Mich., in the afternoon of June 8, doing much damage to several buildings, including the entire demolition of one of M. Ullenbruch's largest and most recently constructed greenhouses, 150 feet long by 22 feet wide. The violence of the wind was so strong that even the heavy outer wall, constructed with large cement blocks, was leveled to the ground, while the upper work, including every light of glass, was totally destroyed and the steam pipes twisted and bent so as to render most of them unfit for future use. The house was planted with carnations in full bloom, all of which were destroyed. About half of the glass on the remaining houses of 12,000 feet area was also broken and the stock in them much damaged. A heavy downpour of rain accompanied the storm and destroyed about half of his stock of 10,000 carnation plants in the field. Mr. Ullenbruch reports spring trade as being pretty good, but collection of accounts most difficult. He will rebuild his greenhouse and repair the damage to his other houses at once and will not allow the incident to deter him in the least.

Hail at Denver, Colo.

We had one of the heaviest hailstorms in Denver, Colo., that we have experienced in 15 years, and it did more damage than ever before to the greenhouses. The Park Floral Co. sustained a loss of about 15,000 panes, probably costing in the neighborhood of $5,000 to $7,000. Mrs. Mauff had about one-half loss; Elitch's Gardens the same; N. A. Benson, 4450 Lowell boulevard, the same, and Mahler, on West Twenty-ninth street, about one-third loss; Ben Boldt, on West Twenty-ninth street, the same. It not only did a great deal of damage to the glass, but also stripped a good many of the plants, especially the carnations outside. There was about two inches of hail on the ground one-half hour after the hailstorm. Some of the hail was bigger than new potatoes. It also broke many of the windows throughout the city, especially in the business district.

PLATTE.

EFFECT OF CYCLONE AT PORT HURON, MICH., JUNE 8, 1908.
Wreck of Martin Ullenbruch's Greenhouse.

OBITUARY.

John Cammack.

John Cammack, of Washington, D. C., and who formerly conducted a florist business at Brightwood avenue, died suddenly June 15. Mr. Cammack had not been ill and expired from a hemorrhage just as he was leaving his home for a carriage ride. He was a native of Washington and 75 years of age and filled many important business posts in the city.

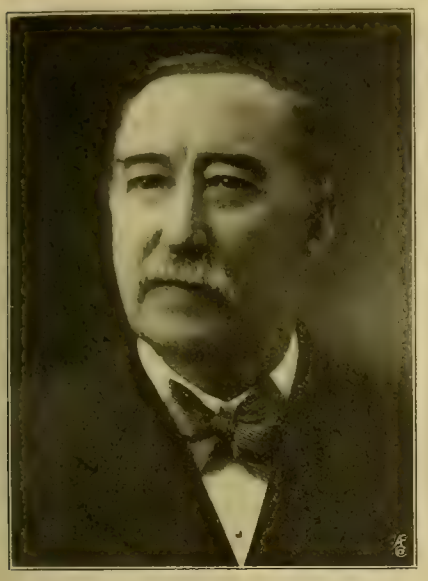
William Barr.

William Barr, of Llewellyn Park, Orange, N. J., a noted fancier and amateur, died June 17 of old age. Mr. Barr had large business interests in St. Louis, Mo., but Orange has been his home for many years. He was particularly interested in the old-fashioned flowers, which were extensively grown on his place. Chrysanthemums were also among his favorites, and he gave an annual free exhibition to the public.

Allister David Rose.

Allister David Rose, a well-known and popular florist of Montclair, N. J., died at his home in that city June 16. An attack of pneumonia, over a year ago, was the beginning of his decline in health, and all that medical skill and loving care could devise was unavailing. He spent a part of last winter in the south, but the benefit derived was but temporary. Mr. Rose was born in Inverness, Scotland, April 7, 1864. He came to this country when 18 years old and a number of his youthful years were spent as a gardener on private estates. He was for some time with E. G. Hill of Richmond, Ind., going from there to what was then the firm of Pitcher & Manda, Short Hills, N. J., where he had charge of the chrysanthemum houses.

After his retirement from that position



The Late E. Hippard.

he engaged in business for himself at West side avenue, Jersey City, being for a time in partnership with a Mr. Garrett. Nine years ago he purchased the business of Alex. Michie of Montclair and has since continued to do a thriving retail business, having added considerably to his glass area. He was prominently identified with various clubs and societies, being a member of the New Jersey Floricultural Society and the New York Florists' Club. He was also a member of the Masonic and Elk fraternities. Mr. Rose was highly esteemed by his fellow craftsmen and the general public for his ability and uprightness of character. He originated the noted chrysanthemum "Polly Rose," and it bears the name of one of his daughters. His funeral was held on June 18 and the floral offerings were numerous and beautiful.

Emanuel Hippard.

Emanuel Hippard, the well-known and highly respected florist of Youngstown, O., and maker of the standard ventilating apparatus, steam trap, duplex gutter and other well-known and useful appliances for florists' use, died at his home, West Rayen avenue and Phelps street, June 16, from paralysis, his illness having lasted over a year.

Mr. Hippard was born in Elizabethtown, Pa., August 6, 1845, and served his country in the civil war, both in the army and navy. After this he was connected with the Pennsylvania railroad as fireman and engineer, afterwards starting in the florist business at Lebanon, Pa. In 1866 he was married to Miss Katherine Auchenbach, who, with one daughter, survives him. He came to Youngstown in February, 1882, where he erected several greenhouses and carried on a general florists' business, but recently he has given more attention to his ventilating and other apparatus, much of which was his own invention, and on which he held patents. About a year ago he suffered a severe stroke of paralysis and, despite various journeys taken in search of health and pleasure, he was again stricken in Jacksonville, Fla., and two weeks before his death his condition was so serious that no hope was entertained of his recovery. So passes away another of our veterans, a man highly respected by all and deeply mourned.

Mr. Hippard has for years been a member of the Society of American Florists and the American Carnation Society and a regular exhibitor at their conventions. The funeral services, which were held Thursday, June 18, were largely attended by his many friends in this section. The large number of beautiful floral tokens of sympathy showed the general esteem in which he was held by all who knew him. The manufacture and sale of the ventilators, gutter and trap will be continued under the old name by his grandson, R. H. Little, who has had considerable experience in the shop with the deceased.

Alexander Wallace.

Alexander Wallace, who for nearly 20 years has been editor of the Florists' Exchange, died suddenly at his home in Brooklyn, N. Y., June 17, at 5 p. m. Though Mr. Wallace had been in poor health for some time, it was not generally known that his condition was serious. He had been absent from his desk for 10 days, but returned to his duties on June 15. He was again at his post the following day, but in the evening a more severe recurrence of the heart trouble with which he was afflicted terminated his admirable and useful life.

Mr. Wallace was born November 21, 1859, in the village of Lawrencekirke, Kincardinshire, Scotland, whence he emi-

The Late Alexander Wallace.

grated to America. Immediately on his arrival in New York he became identified with the Florists' Exchange in an editorial capacity; and in succeeding years his life has been so interwoven with that journal that his complete biography would also be, in a large measure, its history. Conscientious, able, fearless and untiring in his devotion to his chosen profession, he has at all times commanded the respect and esteem of the best minds of the horticultural trade. He was a member and past director and state vice-president of the Society of American Florists, and a member of both the American Rose and American Carnation societies. With very few exceptions, he always attended the annual conventions of these societies and participated in and reported their proceedings.

Of his voluminous writings, doubtless the most enduring will be his book, "The Heather in Lore, Lyric and Lay," published in 1903. This work, which has received widespread commendation as a most valuable contribution to the literature of plant life, has many passages that show that to the author it was a labor of love. As a journalist he treated all subjects pertaining to the good of the craft in a forceful and broad-minded manner. The funeral services took place in the parlor of the Summerfield Methodist church, corner of Greene and Washington avenues, Brooklyn, on June 20, at 3 p. m., and the interment was in Greenwood cemetery. His only surviving relative in this country is his wife, who, previous to her marriage, was Miss Rachel Marion Banta.

RESOLUTIONS.

At a special meeting of the directors of the A. T. De La Mare Printing & Publishing Co., Ltd., publishers of The Florists' Exchange, held noon Saturday, June 20, 1908, the following resolutions were adopted:

Whereas, Most vividly the uncertainty of the tenure of life has been demonstrated through the sudden removal from our midst of our friend and fellow-worker, Alexander Wallace, who went for rest from pain and earthly cares, with a smile of perfect peace on his face, to the arms of our Heavenly Father, on Wednesday, June 17, 1908, and

Whereas, We desire to place on record our testimony to his long and faithful career in the office of this company, and to bear testimony to his zeal, diligence and unswerving loyalty in all things which made for our common good; therefore, be it

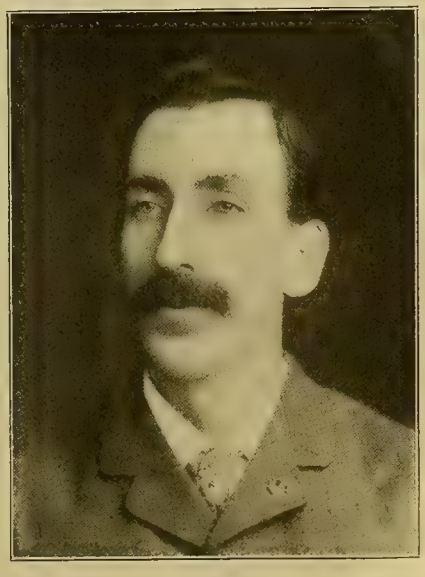
Resolved, That in the death of Alexander Wallace we have lost a brother whom we mourn with all our heart, a tried and true coadjutor, a manly man, a faithful friend, a valuable citizen, and we do hereby express our profound and sincere grief at his untimely death in the hour of his matured mental vigor and manhood; and be it further

Resolved, That these resolutions be expressed in full upon the minutes of this company, and a copy thereof sent to the bereaved widow of the deceased.

CARD FROM J. C. VAUGHAN.

The S. A. F. has lost one of its foremost members. A true patriot in the cause, always loyal, careful, sane, watchful, bold when necessary, but not aggressive, modest and unassuming to a fault; it will be long indeed before we can fill his place, and he was one who was ever in his place. He should have been made president of the S. A. F. long ago, and would have been but for his modesty.

MERIDEN, CONN.—The Blatchley Co. is now in possession of the store at 36 West Main street formerly owned by Mrs. Lillian Savage. The company consists of C. W. Blatchley of Plantsville and his son and daughter, who own extensive greenhouses at Plantsville.



The Late Allister David Rose.

THE AMERICAN FLORIST

1885 TWENTY-THIRD YEAR. 1908

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LOOK out for temporary shading after heavy rain.

THE NATIONAL Council of Horticulture committee on school gardens held a meeting at Ithaca, N. Y., this week, Dr. True, E. V. Hallock and F. R. Pierson in attendance.

CLEAR cold water is one of the best insecticides if used right.

GREAT damage by storm is reported from the neighborhood of Newark, N. J.

PINK and red flowers are notably more likely to be attacked by thrips than other colors.

MARTIN CAHUZAC is one of the rarest and probably the deepest colored herbaceous peony in existence.

SUFFICIENT care is not usually taken in marking the best varieties of different plants for stock purposes.

EDWIN A. SEIDEWITZ, the perennial candidate for the secretaryship of the S. A. F., is again in the field.

THAT good old rose, Homer, is recommended as an especially good variety for California and other western points.

REPORTS from many Canadian points show that the increase in the demand for herbaceous plants has extended over the border.

PURCHASE young stock now of any plants that are short. They are cheaper and cost less for freight than when procured later.

RUGOSA ROSE Blanc Double de Coubert, pure white and very fragrant, has been recommended as a forcing plant for pot culture.

ALWAYS have some protection to the plants when painting the houses inside. This work is best carried out when the houses are empty if possible.

TELESCOPIC window boxes made of sheet metal with sliding flanges are on the market. The idea is that they fit any width window within their capacity.

THE Japanese government is said to be importing large quantities of yuccas from Chili. These plants contain picric acid, used in the manufacture of high explosives.

A COVERED structure for manure would be a useful addition to many places and it need not be an expensive one. All manure heaps should be drained to a tank to catch the seepage.

THE opinion is expressed in Europe that American glass works will, in a few years, supply the entire home demand and sharply compete in the markets of the world against continental manufacturers.

THE Texas Farmers' Congress convenes in twelfth annual session July 7. Many important organizations including the Corn Growers' Association, the Horticultural Society, the Nurserymen's Association, the Nut Growers' Association and the Seed Breeders' Association form part of the congress. The meeting is to be held at College Station, a very suitable venue, as this is the home of the Agricultural and Mechanical College.

National Council of Horticulture.

We have received the fifteenth instalment of the press service of the National Council of Horticulture. The articles are, as usual, timely and interesting, and everyone in the trade should endeavor to get the editors of their local papers to send for and use them. They may be obtained free from J. H. Burdett, 1720 West One Hundred and Fourth place, Chicago. The following are the titles of the present installment: "Hardy Phlox"; "Rhubarb"; "Polyantha Roses"; "The Sweet Potato."

Luther Burbank.

Those, and there are many, who would know facts about Luther Burbank should read "Luther Burbank and His New Environment," by Prof. E. J. Wickson, dean of the college of agriculture, University of California, in the June Sunset. Prof. Wickson had something to say in the same magazine of May, 1905, under the title "The Real Luther Burbank," and this new article is along the same line. Carefully written, pointed and condensed, it should do much to clear up the continued publication of unreliable, fake information and absurdities which are running constantly through the public press. Prof. Wickson says: "Every thought is charged with philanthropy, the furnishing of greater beauty or richer sustenance to the human race, but he descries opportunity for wealth production with the full heart and telescopic eye of the most optimistic promoter."

Cincinnati First Convention City.

MAY ASK FOR IT AGAIN NEXT AUGUST.

On invitation of J. A. Peterson a special meeting of the Cincinnati Florists' Society will be held at his home on McHenry avenue, Westwood, Friday, June 26, at 3 p. m. Nomination and election of officers for the ensuing year and the proposed invitation to the Society of American Florists to hold its twenty-fifth annual convention at Cincinnati in 1909 will be discussed, also the annual outing of the Cincinnati Florists' Society.

It will be recalled that the first convention of the Society of American Florists was held in Cincinnati, August 12-14, 1885. John Thorpe was then president; the late J. M. Jordan, vice-president; E. G. Hill, secretary, and the late M. A. Hunt, treasurer. The number of paid-up members at this meeting, according to the treasurer's report, was 221. THE FLORIST, pioneer trade journal, which has had so many imitators, first saw the light at the Cincinnati meeting. The local hospitalities included a trip to the Soldiers' Home at Dayton on invitation of the C., H. & D. R. R. and the local committee of florists.

All interested in the 1909 invitation are cordially invited to attend the meeting at Mr. Peterson's June 26 and it is hoped there will be a full representative meeting of the trade of Cincinnati and vicinity. S.

Raising Old Fashioned Flowers.

ED. AMERICAN FLORIST:—

How can I raise old fashioned flowers like asters, dahlias, mignonette, centaurea and others? M.

Asters are raised from seed sown in early spring. Dahlias are also raised from seed, but more frequently from cuttings and pot roots, as recently described in our columns. Mignonette is raised from seed sown in August for winter flowering, and at other times, according to demand. Centaurea may be raised from seed sown now and again in spring. As you will notice, your query is a little out of date to give extended particulars, but these will all be given as they become due and are interesting to other florists. G.

Meetings Next Week.

Dayton, O., July 2.—Dayton Florists' Club, 37 E. Fifth street.

Detroit, Mich., July 1, 8 p. m.—Detroit Florists' Club, 38 Broadway.

Lake Geneva, Wis., July 4, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, News building.

Milwaukee, Wis., July 2, 8 p. m.—Milwaukee Florists' Club, Quiet House, corner Broadway and Mason street.

Minneapolis, Minn., July 3, 8 p. m.—Minneapolis Florists' Club, Latham's conservatory, 83 South Tenth street.

New Orleans, La., July 1, 8 p. m.—German Gardeners' Club, 624 Common street.

Newport, R. I., July 1.—Newport Horticultural Society.

Pasadena, Calif., July 3, 8 p. m.—Pasadena Gardeners' Association, G. A. R. hall, East Colorado street.

San Francisco, Calif., July 4.—Pacific Coast Horticultural Society.

Utica, N. Y., July 2, 8 p. m.—Utica Florists' Club, Hotel Martin.

Florists' Club Outings.

Chicago, July 19.—Annual picnic of Florists' Club at Morton Grove, Ill.

Montreal, Que., July 29.—Annual picnic of Gardeners' and Florists' Club.

New Orleans, La., July 8.—Outing of the Horticultural Society to Mandeville.

New York, July 1.—Annual excursion to Witzel's Point View Grove, L. I.

St. Louis, Mo., July 15.—Annual picnic of Florists' Club at Normandy Grove.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Every paid subscriber to the AMERICAN FLORIST for the year 1908 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—By an all-around grower of 20 years experience in all branches as working foreman on first class place. State particulars and salary in first letter. Address
Key 574, care American Florist.

Situation Wanted—By a first-class grower of cut flowers, middle age, to take charge of private or commercial place or as foreman; can deliver the goods; good wages expected. Address
Key 565, care American Florist.

Situation Wanted—Expert designer, thoroughly competent to undertake all kinds of floral design or decorative work, is open to permanent engagement. First-class references as to ability and charater. Key 573 care American Florist.

Situation Wanted—As working foreman; German single, 29 years of age; 12 years in this country; good grower of roses and carnations and cut flowers; good designer and decorator; good worker and sober; best of references. Address
FLORIST, 64 Palmer Ave., Chicago.

Situation Wanted—On an up-to-date place as working foreman by a first-class grower of roses, carnations 'mums and all kind of pot plants and bulbs; life time experience; best of references; permanent position and good salary expected.
M. CENTNER, 425 Center St., Chicago.

Situation Wanted—By competent gardener; experienced in all branches of horticulture in Europe and America and well versed in bookkeeping as superintendent of cemetery in growing city, middle west preferred or as private gardener. Best references. Key 571, care American Florist.

Help Wanted—A good rose grower, capable of running a section; at once.
HELLER BROS., New Castle, Ind.

Help Wanted—A man to work in rose sections; state wages without board. Apply
COLE BROS., Peoria, Ill.

Help Wanted—A good rose grower as working foreman; to take charge of rose sections on a large plant. Key 569, care American Florist.

Help Wanted—A single man who can grow good 'mums and carnations. Send reference and state wages expected without board.
W. W. COLES, Kokomo, Ind.

Help Wanted—First-class man in retail store. Must be up-to-date in making up and decorating. State reference and salary expected. Permanent position to right party. J. F. WILCOX,
Council Bluffs, Iowa.

Help Wanted—Young man as working foreman to take an interest in an established greenhouse business. Only small capital required. Correspondence invited. Address
Key 530, care American Florist.

Help Wanted—A good reliable man, sober and industrious for retail place; one who understands pot plants, etc. State experience and salary. English or Scotch preferred. Address
Key 572, care American Florist.

Partner Wanted—Carnation growers, attention! I have greenhouses in a Massachusetts town to grow 20,000 carnation plants. Would like an experienced single man to join me in the business. Key 575, care American Florist.

Wanted—A reliable florist as partner; splenid location; new house, well stocked; very little capital required. J. N. MENIFEE, Sapulpa Okla.

For Rent—Greenhouses: about 30,000 feet of glass by GEO. HARRER, Morton Grove, Ill.

For Sale—Greenhouses and stock in good town in Oklahoma; 12,000 inhabitants. Address
Key 563, care American Florist.

For Sale—27,000 feet of glass without stock in a good locality in Chicago. Take Clark St. car to Francis St. Call or address
OWNER, 4016 N. Clark St., Chicago.

For Sale—In Providence, R. I., a first-class florist store, well stocked and doing a good business on the main street; 8 years established. A bargain if taken at once. J. S. KELLY,
81 Jenkins St., Providence, R. I.

For Sale—At a sacrifice. Seven greenhouses and stock. The best stand in the center of the city. Don't overlook this snap. For particulars see advertisement in this paper, June 20.
W. H. HUMFELD FLORAL CO., Kansas City, Mo.

For Sale—A bargain for a good florist stand and store opposite Woodland Cemetery; with full line of confectionery; also greenhouses of 10,000 feet of glass; offered after July 1 for $1,500.
HENRY EICHOFF, 6818 Woodland Ave. S. E.,
Cleveland, O.

For Sale—Greenhouses and stock; about 20,000 feet of glass, well stocked with all kinds of bedding plants, ferns, palms and cut flowers; for terms inquire of Mrs Hugo Book, College street, Worcester, Mass., or L. Midgley, Worcester Conservatories, Worcester, Mass.

For Sale—Four greenhouses about 20,000 feet of glass, steam heated, well stocked with carnations, chrysanthemums, violets, etc; 15 acres of land suitable for market gardening; 8-room dwelling house, steam heated; large barn, city water; about 10 miles from Boston; good retail trade now established; for particulars address
G. A. ANDERSON, Woburn Mass.

Fine Location for Greenhouses.

For Sale—14 acres at Winfield, Dupage Co., Ill. with ¼ mile frontage on C. & N. W. R. R., west. South slope, land drained to Spring Brook. 27 miles west, 50 minutes ride. Commutation rates Price only $2800.

VANDERCOOK & SKIDMORE,
108 La Salle St., Chicago.

A Practical Gardener

Young married man, fully competent in all departments, will be open to engagement July 1. First-class references as to ability and character. Address

Key 570, care American Florist.

FOR SALE.

Greenhouses. About 30,000 feet of glass in first-class condition. Well stocked, roses. Fine location for retail trade. Handy to Boston market for wholesale. Chance of a lifetime. Reason for selling, all my time is taken up with other business Write for particulars or call and see them.

H. F. CRAWFORD,
Montello Station. Brocton, Mass.

WORKING FOREMAN.

Carnation, 'mum and general plant line, wholesale only. Place of 150,000 feet of glass, near Boston, Mass. This is an opportunity for an up-to-date man capable of delivering the goods. Permanent work and wages in keeping with proved ability. Do not waste time writing unless you have had experience and can come well recommended.

PEIRCE BROTHERS, Waltham, Mass.

FOR SALE.

50,000 ft. of 4-in. Boiler Tubes, cleaned and trimmed, ready for greenhouse purpose. Have special malleable iron sleeves to fit same. Will sell at a very low price. I also carry a complete line of **Second-hand Pipe.**

Write for my price before you make purchase.

ISIDOR COHEN, 240-250 Madison St., **Milwaukee, Wis.**

Trade Directory for 1908

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1908, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 509 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

American Florist Company

324 Dearborn Street, CHICAGO, ILL., U. S. A.

Contains 509 Pages **NOW READY.** Price $3.00 Postpaid

HENRY M. ROBINSON & CO.,

Wholesale Commission Florists.

Hardy Cut Evergreens and Florists' Supplies.

BRONZE GALAX, best quality...$8.50 per case, 10,000; **GREEN GALAX,** best quality....$7.50 per case, 10,000.
New Crop **DAGGER AND FANCY FERNS**.....$1.00 per 1000.

Laurel Festooning, Boxwood, Southern Wild Smilax, Sphagnum and Green Moss, Leucothoe Sprays, etc.

15 Province St. and 9 Chapman Place, BOSTON, MASS.

LEGAL NOTES.

Proposed Law Affecting Insecticides.

On June 18, beginning at 10 a. m., there was an all-day session held in the American Institute building, New York, between manufacturers, representatives of the entomologists, and some of the leading chemists who have charge of the state control of the insecticide laws, for the discussion of Senate Bill 6515 and House of Representatives Bill 21316, entitled "A bill for preventing the manufacture, sale or importation of adulterated or misbranded fungicides, Paris greens, lead arsenates and other insecticides, and for regulating traffic therein, and for other purposes." There were about 40 persons present, and business commenced promptly.

The senate bill and the house of representatives bill are identical, excepting that in section 7 there is a fourth clause added to the latter. Section by section was taken up. The first section provides that any violation is a misdemeanor, punishable by a fine not to exceed $500 or one year's imprisonment. This section was adopted, also sections 3 and 4. Under section 4 a motion was made to insert the word wilfully (wilfully violated), but the entomologists and representatives of the Department of Agriculture voted against that, and in section 5 a discussion arose as to who should have the authority to start prosecutions, and a clause "Under authority of the Secretary of Agriculture" was inserted. Sections 6 and 7 caused the most discussion. The intent of the promoters of the bill seems to be to concentrate unquestioned authority of oversight in the hands of the Department of Agriculture, and the manufacturers brought up various questions, all of which were fairly and frankly considered.

In section 6 the words "man or other animals" were stricken out. There was also a definition added, that the term "miscible oils" shall include all preparations of petroleum to be used in water. In section 7, after some discussion in which the actual work of the manufacturing chemist is compared with the laboratory chemists' small tests, the amount of arsenious oxide (As 205) was made 50 per cent instead of 55 per cent. The standard of lead arsenates is one of the things which are indefinite, and the real workaday conditions, which all commercial articles are subject to, were talked over, the result being the expression of opinion by the professional entomologists that no construction was wished by putting into the bill or to be made a part of it, anything which could in any way hamper fair trade.

The fourth division of the house bill reads: "Any article which is intended for use on vegetation and shall contain any substance or substances which, although destroying, repelling or mitigating insects, shall be injurious to such vegetation." This clause, which is not in the senate bill, was taken up, as it is a trap which might be used to the great annoyance and harm of anyone, for there are no substances commonly used but what, if a small overdose is used, will destroy vegetation, and as the paragraph read there was no explanation of its construction. To qualify this paragraph the sentence "By following the directions expressed upon the package" was added. A motion was made that the bill as amended according to the secretary's notes be adopted and the same was carried. A resolution was offered on the part of the manufacturers to the effect that they thank the gentlemen in charge of this meeting, E. Dwight Sanderson of Durham, N. H., and Prof. Smith of New Brunswick, N. J., for inviting them to be present.

BENJAMIN HAMMOND.

Fancy and Dagger FERNS $1.00 per 1000

Discount on large orders.

New Crop Galax, Bronze or Green, $1.25 per 1000: 10,000, $8.50.
Sphagnum Moss, large bales.....$1.25
Leucothoe Sprays.....$1.00 per 100; 1000, 7 50
Boxwood.....35c per bunch; 50 lbs.. 7,50

Florists in the Middle and Western States can save money by placing their fern orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,
WHOLESALE COMMISSION FLORISTS,
38-40 Broadway, All Phone Connections. **DETROIT, MICH.**

Special Offer for 10 Days

Nice fancy **FERNS** 85c per 1000. Good **Dagger Ferns** $1.00 per 1000. New crop **Dagger Ferns,** $1.50 per 1000. **Galax,** Green and Bronze $1.00 per 1000: case lots, 10,000, $7.50. 50-lb. cases **Wild Smilax** $6.00. **Leucothoe Sprays,** bronze or green, 40c per 100. **Ground Pine,** 5c per lb. or 5c per yd. **Pine** and **Laurel Wreaths,** for decoration use: Pine, $1.50 per doz.. Laurel, $2.50 and $3.00 per doz. Send your order early for your decoration use. **Laurel Festooning,** 4c., 5c. and 6c. per yard; made daily fresh from the woods **Boxwood,** No. 1 quality $8.00 percase, 501b. Telegraph Office. New Salem, Mass. L.D. Phone Conn's.

CROWL FERN CO., Millington, Mass.

Asparagus Plumosus Nanus Seed, Only **$3.00** 1000

We handle this Asparagus both in seeds and plants of all sizes, in very large quantities, and make very close prices on larger amounts on application. Our seed is pure, fresh, of best germinating quality and extraordinary vitality. **Northern Greenhouse-Grown Seed.** Per 100 seeds, **60c;** 250 seeds, **$1.00;** 1000 seeds, **$3.00.** Price for larger lots on application.

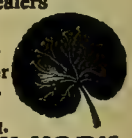
VAUGHAN'S, Chicago or New York

George Cotsonas & Co.

Wholesale and Retail Dealers in all kinds of

Evergreens.

Fancy and Dagger Ferns, Bronze and Green Galax.



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E. A. BEAVEN

Southern Wild Smilax,
Log Mosses,

Natural and Perpetuated—at Wholesale,

EVERGREEN, ALABAMA.

JOHN P. SCHERER,

Telephone 328 L Union.
636 Gardener St., UNION HILL, N. J.

SMILAX, FERNS, PALM LEAVES and all kinds of GREEN GOODS.

THE KERVAN COMPANY,
113 West 28th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe, Ferns, Mosses and all Decorative Evergreens.

English Nurserymen Sued by Dutch Firm.

J. S. Fisher of Wells road, Nottingham, Eng., has been sued in the county court in that city by W. R. Alkemade & Co., of Holland for £49, 3s. 6d. balance of an account of £69, 3s. 6d. for bulbs, etc. Defendant counterclaimed for £54, 19s. on the ground that some of the bulbs were diseased and some untrue to name. He complained of the quality of goods supplied in 1905 but gave an order in 1906 on the representation that the goods would be more satisfactory. There were sundry transactions in which defendant complains he was not well treated and when called on for the money defendant's son tendered a check for £20, the plaintiffs offering only to reduce the bill by £8, 14s. After hearing evidence the judge held that the hyacinths supplied were not tip-top quality and that the narcissi were unsalable but that defendant had not made out his claim for loss of trade. Judgment was given for the plaintiffs on the claim for the full amount and for defendant on the counter claim for £18, 10s.—Horticultural Trades Journal, May 20.

ROCK ISLAND, ILL.—The greenhouses and fixtures owned by the Long View Park Floral Co. have been leased by Henry H. Hensley as manager of the Rock Island Floral Co. This company is building greenhouses near the entrance of Chippiannock cemetery and will have control of them. The one on Fifteenth street and the other on Twelfth street, together with the original houses owned by this company brings three entire and separate establishments into the hands of this growing and progressive concern.

Summer Flowers.

Our Hot Weather Specials That Ship Well and Keep Well.

Giganteum Easter Lilies

Just commencing to bloom. They stand any amount of hot weather. Price $6.00 per 100.

American Beauties

Grown in solid benches with roots down deep in cool soil. They produce stronger flowers in hot weather than stock grown on raised benches.

Kaiserin, Carnot, Killarney, Richmonds and Perles

These are the best summer roses. We grow them in solid benches and grafted plants. They produce by far the best flowers.

Asparagus, Smilax, Sprengeri, Adiantum, Common Ferns

All other seasonable stock at lowest market prices.

BUY YOUR FLOWERS DIRECT FROM THE GROWERS, and get the freshest possible stock. Our cooling rooms and shipping facilities are unexcelled.

BASSETT & WASHBURN,

GREENHOUSES: HINSDALE, ILL. **Office and Wholesale Store: 76 Wabash Ave., CHICAGO.**

To Be Done Now.

IN THE GREENHOUSES.

Remove the glass from the sides of houses it is desired to keep very cool.

Thrips will be getting busy among the roses unless these are well sprayed and fumigated occasionally.

Water newly planted roses just around the plants, not soaking the whole of the bench.

Pot up poinsettias as they are ready and before they begin to draw.

Odontoglossum citrosmum must have abundance of root moisture now.

Shading is necessary now almost everywhere, but avoid overdoing it, especially in the houses devoted to young stock.

Remove the flowers constantly on the young bouvardias to ensure a free growth.

After stopping chrysanthemums, or after the June bud, do not take the first shoot. Rub this out and take the next.

Cleanliness in all departments is of the utmost importance now.

IN THE STORE.

Killarney is one of the best roses to keep its color in hot weather.

Avoid the use of very heavily scented flowers such as mignonette in hot weather.

Much outdoor and wild foliage may be used at this time of year, saving expense in large decorations.

Whatever designs are made be careful to make a good outline with flowers of a different color to those in the body.

When the bedding season is over clear out all traces of boxes and plants used for the purpose.

White and pale pink flowers are more suggestive of coolness than blues, reds and yellows.

OUTDOORS.

Spray frequently around the plants that have been placed outside from the greenhouses until they get over the change.

Mulch sweet peas with a few inches of littery manure in preference to watering.

For fine flowers mulch the asters and thin the buds somewhat freely.

Watch the seed beds of English wallflowers and others and keep them well weeded.

Put away all spare sash carefully for the season. Much glass is broken in sash left lying around all summer.

Seedling trees are often choked out by weeds or crippled by insects owing to neglect of cleaning in the early stages.

Watch the small statured herbaceous plants and see they are not smothered by those of larger growth.

The long shoots that spring up from the bottom of rambler and similar roses must be encouraged.

Granite Dust Intensifies Flower Colors.

We see a note in THE FLORIST to the effect that granite chippings are said to cause high color in flowers if used in pots or borders. We have been trying an experiment in this line ourselves with narcissi, using the granite dust, which is like coarse sand, and which would, we think, be much better than chippings, owing to its more divided state. The present season has been such a disastrous one for narcissi, that it is impossible to speak with any certainty as to results; but certainly the early blooms of all the varieties with red eyes came with a higher color than we have had them in previous years, although a few days later, when the temperature changed so suddenly, they had scarcely any color at all. We shall try it again, and hope to have good results. We presume that the potash which is present in the granite, and which is so favorable for (grape) vine culture, is the valuable element.—Horticultural Advertiser.

Prices in Germany.

According to a European contemporary efforts are being made by the nurserymen, florists and others interested in German horticultural produce to bring about something like uniformity of prices by establishing a tariff that shall be recognized as binding to the dealers. The keenness of competition leads to under selling and over-production, which has such a disastrous influence on prices and spoils the market. It is not only in Germany nor in horticultural industries that this condition of affairs is brought about by competition. The cure for it hitherto has been the trust or combine, but we rather fancy that what is done for such commodities as beer, bread, etc., might well be practised in other markets without injury to the consumer. The Germans' aim is to fix a minimum price for every article, and to induce all traders to refuse to sell below that minimum. They also hope to be able to fix a minimum price for services or labor, which is only what is done by the trade unions for numerous classes of workers. Hitherto the gardener has worked in Germany, as in other countries, including England, for low wages—lower than appear to be reasonable. He has also sold his produce in the competitive market wth the too frequent result of obtaining lower prices than would yield anything like a profit; often, too, they meant a loss. It will be interesting to watch this move on the part of the German horticulturists. In this country, whilst garden produce may be returning miserably low prices to the growers, it may at the same time be realizing high prices from the consumers, in which case the dealers have the best of it.

HASTINGS, NEB.—C. W. Sidles is just completing a new and up-to-date range of houses which will double the size of his plant.

Chicago.

TRADE ONLY FAIR.

Trade was fairly active last week, in fact, somewhat more satisfactory than anticipated. Prices were low, but a great deal of stock was moved. This week the extreme hot weather has affected the local demand to a marked degree. The shipping trade is somewhat better. Carnations are a very inferior article, the intense heat under glass having played havoc with the quality of all varieties. Asters are beginning to come in, white and lavender of very good grade and fairly good length of stem being seen in limited quantities. Kaiserin and Killarney are the best varieties in roses. Good Bride is also seen, but Bridesmaid is poor. Very little good Richmond is seen. American Beauty naturally is not up to its former quality, the heat giving the buds little time in which to develop, but is very good for the time of year. Sweet peas continue to come in abundance. Cool-grown Giganteum lilies are also seen in sufficient quantities. All houses are now receiving good lots of candidum lilies, but the demand for them is rather light. Some exceptionally fine lily of the valley is seen, but the supply of really fancy stock is limited and prices consequently hold up very firmly at from $3 to $4 per 100, with $5 per 100 being asked for the extra fancy. This is daisy week, this being the flower so largely used for school closings and other entertainments. Retailers, too, find it a good flower for window decoration on account of its keeping qualities in hot quarters. Nearly all windows, too, are showing water lilies.

NOTES.

F. R. Hills and wife, with their three youngest children, left Friday to make their home in Los Angeles, Calif. This was made necessary on account of Mrs. Hills' poor health. Miss Margaret Hills, the eldest daughter and well known because of having for a number of years conducted a stand on the Flower Growers' Market, assumes the management of the greenhouses and retail store at Maywood.

H. S. Morton, who recently bought the store and showhouse of the late A. Hildred at 3030 Indiana avenue, has sold that place to J. P. Opitz, who already has stores at 3626 Cottage Grove avenue and 6643 Cottage Grove avenue. Mr. Morton will continue to make his headquarters at his store, 90 E. Thirty-first street, although he will spend much of his time at his Rockford greenhouses.

J. Schoepfle, 1431 Belmont avenue, had an interesting plant box order last week. The Northwestern Terra Cotta Co., on Clybourn avenue, constructed 10 long terra cotta boxes which Mr. Schoepfle filled with cobœas, ivies, vincas, Nutt geraniums and Asparagus Sprengeri.

The Kroeschell Bros. Co. reports that its business to date this season is ahead of that of the similar period last year. A very heavy demand has come from the east, where Kroeschell boilers are being tried out where considerable additions of new glass have been made.

Geo. Manos, who conducts a flower stand in the Union depot of this city, and also of Pittsburg, has extended his operations to Washington, D. C., and he will, on July 1, open a stand in the Union station of that city.

Weiland & Risch are getting some fine blooms from their new red seedling rose, which they confidently believe will be a great commercial success. This firm is also handling some fine Kaiserin.

Burglars last week entered the store of C. S. Griffith, 160 E. North avenue. They broke open the cash register and the nickel telephone box, but fortunately secured only a few dollars.

The sign over the retail store at 14 Colorado avenue has been changed from Mrs. E. A. Anderson to Mrs. Geo. Wells on account of the recent marriage of the proprietress.

"THE BUSIEST HOUSE IN CHICAGO."

Peonies,
Carnations,
Roses.

Assorted stock in quantity.

J. B. DEAMUD CO.
51 Wabash Ave., CHICAGO.

The local branch office of A. H. Hews & Co. has offered to replace free of charge all pots carrying plants for the National Flower Show that are broken in transit.

J. V. Pfander, of the Clarinda (Ia.) Greenhouses, was in the city last week and bought 105 boxes of glass for new construction work.

Mrs. H. Lowe is now located at 1102 North Forty-third avenue and is erecting a large greenhouse with John C. Moninger's material.

Andrew Hegg, aged 72, and for the past 15 years employed as a decorator by the Geo. Wittbold Co., died on June 10.

Watch the bowling scores printed elsewhere in this issue and see the making of the S. A. F. championship team.

The E. F. Winterson Co. on Tuesday was showing some very fine white and lavender asters grown outdoors.

J. C. Bruchner and Thos. McAllister are furnishing Vaughan & Sperry with large quantities of wild daisies.

Sidney Wiffin, in the Flower Growers' Market, is showing fine Shasta daisies.

The J. B. Deamud Co. is receiving some exceptionally fine American Beauty roses.

Bassett & Washburn are in the midst of their summer cut of giganteum lilies.

Visitors: H. Glen Fleming, Fairmont, W. Va.; J. D. Carmody, Evansville, Ind.; C. W. Eichling, New Orleans, La.; Mrs. M. E. Finkler, Streator.

Port Huron, Mich.

C. W. Asman, Huron avenue, is building one house 16x100 feet and will plant it with chrysanthemums. This firm reports a good spring trade. It has added vegetable seeds to its stock this spring and has supplied many of the gardeners of the vicinity with their whole requirements in that line. The firm's store is large, with a conservatory in the rear. The modern show window affords a splendid opportunity for most elaborate and unique displays, which are a strong feature of the firm's enterprise. The last arrangement for Memorial week was most successful in this line and attracted much attention from the public.

J. F. S.

DES MOINES, IA.—Articles of incorporation of Loziers were filed with the county recorder June 15. The capital stock is listed at $25,000. Alfred G. Lozier, H. E. Lozier and M. I. Lozier are the incorporators. The new company will engage in the nursery and floral business.

KENNICOTT BROS. COMPANY,

Wholesale Cut Flowers.

48-50 Wabash Ave.,

CHICAGO.

L. D. Phone, Central 466.

Peonies Now

Price 3 to 6 cents.

We will have anything in the line of

Cut Flowers and Greens

that you may want if anybody has it, at Chicago market prices on day of shipment.

JANESVILLE, WIS.—Three-fourths of the planting for Dr. Dwight's new greenhouses located between Jackman and East streets has already been completed. There are to be 11,000 rose and 9,000 carnation plants. Rose culture for the present will be confined to Bride, Bridesmaid, Richmond, Chatenay and Killarney.

SAN DIEGO, CALIF.—At the regular annual meeting of the Floral Association, June 10, at 949 Ninth street, the matter of holding a floral exhibition in the fall was broached by President Alfred D. Robinson and received enthusiastic endorsement from the members present. Officers of the association for the ensuing year were also elected.

E. F. WINTERSON CO.

Long Distance Phone Central 6004.

45-47-49 Wabash Ave., Chicago

Wholesale Cut Flowers and Florists' Supplies.

FLOWERS FOR SPECIAL OCCASIONS Are a Specialty with Us.....

For June Weddings and Commencements we can supply **Long Stem Sweet Peas, Lily of the Valley, Peonies, etc.**

All other stock in season at Chicago market prices.

Baskets, Ribbons, Chiffons

For your swell June Weddings.

OUR WIRE WORK is the **KIND THAT STANDS UP.**

Send us list of your wants for estimate.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of **CUT FLOWERS**

WEILAND & RISCH

Wholesale Growers and Shippers of CUT FLOWERS

58 Wabash Ave., CHICAGO.

'Phone Central 879.

Write for our wholesale price list.

WHOLESALE FLORISTS

For Weddings and Commencements

CUT FLOWERS AND SUPPLIES.

We are Headquarters.

E. H. HUNT

SEND FOR PRICE LIST.

76 Wabash Avenue, CHICAGO.

E. C. AMLING

THE LARGEST, BEST EQUIPPED, MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.

32, 34, 36 Randolph Street, CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Poehlmann Bros. Co.

Wholesale Growers of and Dealers in **Cut Flowers**

All telegraph and telephone orders given prompt attention.

Greenhouses: MORTON GROVE ILL.

35-37 Randolph St. CHICAGO.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO

Telephone, Central 3284.

Wholesale Flower Markets

CHICAGO, June 24.

Rose, Beauty, extra fancy	4 00
" " 24 to 30-in. stems	3 00
" " 12 to 20-in. stems	1 50@ 2 00
" " Short stems	1 00
" Killarney	6 00@12 00
" Bride, Maid Ivory Gate	4 00@ 6 00
" Liberty, Richmond	4 00@ 8 00
" Chatenay, Perle	4 00@ 6 00
Carnations	1 50@ 3 00
Lilium Harrisii, per doz.,	1 00@ 1 25
Callas, per doz.,	1 00@ 1 25
Lily of the valley	2 00@ 4 00
Gladiolus, per doz.,	1 50@ 2 00
Peonies, per doz.,	40@ 75
Snapdragon, per doz.,	50@ 75
Sweet Peas	50@ 2 00
Pansies	75@ 1 50
Iris, blue	5 00
" white & yellow	3 00
Narcissus, poeticus, double	2 00
Cornflowers	60@ 75
Daisies white	75@ 1 00
" yellow	1 00@ 2 00
Smilax, per doz	2 00
Asp. Plu. & Sprengeri, bunch	50
Asparagus strings, each	50
Adiantum, per 100	75@ 1 00
Leucothoe sprays	60@ 75
Ferns, per 1000	2 50
Galax, green, per 1000	1 00
bronze, per 1000	1 00
Boxwood, per bunch	35

DWIGHT, ILL.—A big flower show is promised for the fall, but the date has not yet been decided.

URBANA, ILL.—M. D. Busey has sold 2½ acres of ground near the site of the new school house to Franks, the florist. Ten thousand square feet of glass will be used in the new greenhouse which Mr. Franks will erect.

Chas. W. McKellar

51 Wabash Ave. CHICAGO.

ORCHIDS

A Specialty

Fancy Stock in **VIOLETS VALLEY, ROSES, BEAUTIES, CARNATIONS** and a full line of all **Cut-Flowers, Greens, Wire-Work** and **FLORISTS' SUPPLIES.**

Send for Complete Catalogue.

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.

Vaughan & Sperry,

Wholesale Florists,

56 and 80 Wabash Ave., CHICAGO.

WRITE FOR SPECIAL PRICES.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. **WHOLESALE FLORISTS** CHICAGO.

PRICE LIST.

RED

American Beauty, long stems,.... $ 4.00 per doz.
30-inch stems..... 3.00 per doz.
24-inch stems.. ..... 2.50 per doz.
20-inch stems..... 2.00 per doz.
15-inch stems..... 1.50 per doz.
12-inch stems..... 1.25 per doz.
Short stems.....75c to 1.00 per doz.
Richmond, Liberty.....$4.00 to $ 8.00 per 100

WHITE

Bride, Ivory.....$4.00 to $ 6.00 per 100

YELLOW

Perle.....$4.00 to $ 6.00 per 100

LIGHT PINK

Uncle John, Golden Gate... $4.00 to $ 6.00 per 100

PINK

Chatenay..... $4.00 to $ 8.00 per 100
Bridesmaid..... .....$4.00 to $ 6.00 per 100
Mrs. Marshall Field, Killarney,
.....$6.00 to $10.00 per 100

COPPER COLOR

Sunrise.....$4.00 to $ 6.00 per 100

Roses, our selection, $3.00 per 100.

Carnations,.....$ 1.50 to $ 2.00 per 100
Easter Lilies,..... 8.00 to 12.00 per 100
Callas.....$ 8.00 to $12.00 per 100
Valley, fancy..... 3.00 to 4.00 per 100

Extra fancy Asparagus Plumosus, 50c to 75c per bunch.

PETER REINBERG, 51 Wabash Ave., Chicago.

St. Louis.

MARKET HOLDS FIRM.

Trade is keeping up fairly well, weddings and closing exercises of the universities and schools have helped to maintain demand. There is now quite a demand for white carnations and roses and Sunday's market held up well. Carnations, however, show weather conditions plainly and it is hard to procure good stock. There are quite a few long stemmed American Beauty roses on the market, but short stemmed flowers are scarce. Sweet peas are of very poor quality, the heavy rains having hurt them considerably, but with better weather conditions it is hoped they will improve. Asters are in, but not very plentiful. There is quite a demand for good stock and shippers can be assured of fair returns if the quality is good.

NOTES.

Chas. Schoenle is very busy with the arrangements and programme for the picnic. The wholesalers are advertising the picnic, every package of flowers being stamped with the date and location of picnic. Both teams, wholesalers and retailers, expect to work in a surprise at the baseball game. Some new faces will be seen in both teams and a close contest is expected. The retailers will leave no stone unturned and are determined to beat the wholesalers.

The St. Louis Seed Co. has kept busy right along. This firm will enter largely this season into the green and holly business for Christmas and is already around taking advance orders, Mr. Retzer being especially active.

The Ayers Floral Co. was very busy last week, with bouquets for closing exercises, and some fine floral work for funerals was sent out by this firm. Mrs. Ayers has a reputation as a great artist in this line.

Wm. H. Ossick, of Wm. C. Smith & Co., was married last Wednesday to Miss Lillie Windt, daughter of J. F. Windt. They left for New York and other eastern resorts to spend their honeymoon.

D. Bova, of the Red Bud Floral Co., is a believer in advertising. He is mailing fancy postal cards daily, advertising his Franklin avenue store. He was very busy last week with wedding orders.

At H. G. Berning's, some extra good carnations and roses are to be seen. This firm handles a very large amount of stock and almost any variety of flower can be found there in season.

John Burke will shortly close his store for the summer. John last year took a trip to the coast. He states that trade was very good during the season.

The C. Young & Sons Co. are very busy these warm days. Last week this firm had several large orders for closing exercises.

Heller Bros., of New Castle, Ind., are shipping some good, long stemmed American Beauty roses to this market.

Some extra fine lily of the valley was seen at Geo. H. Angermueller's the past week and found ready sale.

Ed. Buechel, of the Reeser Floral Co., has been attending the sangerfest at Indianapolis.

Wm. C. Smith & Co. have filed incorporation papers, capital $5,000, fully paid up.

At the parks the planting out is now finished and the floral display is at its best.

W. J. & M. S. Vesey are shipping in some good Bride roses, which find ready sale.

The Foster Floral Co. is advertising one-half of its store to rent.

W. F.

FAIRMONT, W. VA.—H. Glenn Fleming, who reports an excellent business in bedding stock this season, is spending a few weeks' vacation at Illinois and Michigan resorts.

Montreal.

KILLARNEY ROSE POPULAR.

The retail trade is very active and what are left of the bedding plants are selling very fast. There was the usual shortage of geraniums this year, but the western growers supplied all that were needed. Outdoor roses promise to be very good this year and will be in the market in a few days. Indoor roses will mostly be carried over another year. Very little drying off is practiced now. Among the young roses planted this year there will be no Bridesmaid; Killarney will entirely take its place. Peonies are plentiful now but are profitably used up in the frequent wedding decorations, Festiva Maxima, which is largely grown, being the most desirable for this purpose.

Great enthusiasm is displayed by the members of the Gardeners' and Florists' Club regarding the coming convention of the Canadian Horticultural Society to be held at Niagara Falls the same date as the Society of American Florists holds its convention across the river. A number of the members signified their intention to attend and everybody knows that this will be the chance of his life to meet and gain experience. John Walsh, our worthy president, is confident of having the largest delegation in the history of the association to accompany him to Niagara Falls.

The bedding out season is just about finished; the Mount Royal park this season has planted this year an unusually fine lot of stock. The lettering, Mount Royal park, is very distinct. John Pidduck, the head gardener, through long experience, has acquired the ability to execute the different designs very artistically—for instance, the Maltese cross or the Union Jack.

At Joyce's the beds look very well indeed; their geraniums, mostly novelties, should turn out very effective. LUCK.

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations and all kinds of Seasonable Flowers in stock.

WM. F. KASTING CO. Wholesale Commission Florists.

BUFFALO, N. Y.

Florists' Supplies and Wire Designs.

—THE—

J. M. McCullough's Sons Co.

Wholesale Commission Florists.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Cincinnati.

DEMAND BETTER.

Conditions this week are much better than those of last, and a good demand for flowers of all kinds made buyers hustle for stock. The wholesale men had easy sailing to unload the better grades of stock, which were practically cleaned up by 10 a. m. This, no doubt, can be attributed to the cool weather experienced the fore part of the week, which retarded flowers to some extent, while a good many growers are throwing out their roses and carnations, which keeps the supply limited and raises the price. Some very good American Beauty roses are being sent to this market and are very good property, the prices remaining firm at $2 to $3 per dozen. Bride and Bridesmaid are fine in quality and not over-plentiful and bring $2, $4 and even $5 per 100. The best Enchantress carnations brought $3 per 100; the majority of the sales, however, were at $1 to $2 per 100. Sweet peas are equal to the demand and the same may be said of Shasta daisies. Lilium longiflorum had to be ordered in advance, while numerous wedding orders kept the lily of the valley market in a healthy state.

NOTES.

With much regret we read in the Florists' Exchange of the death of Alexander Wallace and David Rose. One after another the boys are passing away, for week after week we pick up the trade papers and notice the obituary of some good friend or acquaintance. The writer knew both of the above named gentlemen and voices the sentiment of their friends in this city when stating that the cause of horticulture has lost the services of two able and true men.

Albert McCullough, president of the J. M. McCullough's Sons Co., left Sunday evening for Detroit to attend the seedsmen's convention, and from there he goes to Quebec and boards a steamer for Europe, to be gone for about two months.

Frank Benson, Newport, Ky., has sold his business to M. Monter, who has been in his employ for quite a period. Mr. Benson will leave shortly for California, to be gone until his health is fully restored.

The Lake Shore Ferneries are keeping the market well supplied with Asparagus plumosus and A. Sprengeri.

Joe Goldman, of Middletown, is sending in some excellent smilax.

S.

Holton & Hunkel Co.

WHOLESALERS OF

CUT FLOWERS and SUPPLIES.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesale Flower Markets

BUFFALO, June 24.

Roses, American Beauty	3 00@25 00
" Bride, Bridesmaid, Meteor	3 00@ 8 00
Carnations	1 00@ 2 00
Lily of the valley	2 00@ 4 00
Smilax	15 00
Adiantum	50@ 1 50
Lilies	12 00@15 00
Galax, per 1000, $1 50	
Ferns, per 1000, 1 50	
Mignonette	1 00@ 2 00
Daisies	1 00@ 2 00
Sweet peas	40@ 75
Asparagus Sprengeri, per bunch,	25 50
Asparagus plumosus, per bunch.	25@ 50
Peonies	2 00@ 5 00

CINCINNATI, June 24.

Roses, Beauty	$1 00@$ 4 00
" Bride, Bridesmaid	3 00@ 6 00
" Richmond	3 00@ 6 00
" Golden Gate	3 00@ 6 00
" Ivory	3 00@ 6 00
Carnations	1 00@ 3 00
Lily of the valley	2 00@ 3 00
Shasta Daisies	75
Harrisii	12 50
Smilax	12 50@15 00
Asparagus plumosus and Sprengeri in bunches, per bunch 25c	
Eastern Ferns, per 1000, $2 00	
Galax, Green and Bronze, $1 00	
Iris	2 00
Peonies	4 00
Sweet Peas	50

ST. LOUIS, June 24.

Roses, Beauty, long stems	2 00@ 2 50
" " medium stems	1 50@ 2 00
" " short stems	3 00@ 6 00
" Bride	2 00@ 5 00
" Bridesmaid	2 00@ 5 00
" Chatenay, Richmond	2 00@ 5 00
" Killarney	2 00@ 5 00
Carnations, common	1 00
" best	1 50@ 2 00
Smilax	12 50
Asparagus Sprengeri	1 00@ 2 00
" cut sprays	1 00@ 2 00
Ferns, fancy, per 1000, $2 00	
Lily of the valley	3 00
Sweet peas	15@ 25

MILWAUKEE, June 24.

Roses, Beauty	75@ 3 00
" Liberty, Chatenay	1 50@ 6 00
" Bride, Bridesmaid	1 50@ 6 00
" Richmond, Golden Gate	1 50@ 6 00
" Perle	1 50@ 6 00
Carnations	50@ 2 00
Smilax, $1 50 per doz.	
Asparagus, sprays	3 00
" Sprengeri	2 00@ 3 00
Lily of the valley	3 00@ 4 00
Adiantum	1 50
Common ferns, $2 00 per 1000	
Harrisii lilies $8 00@10 00 per 100	
Sweet peas	25@ 50

WASHINGTON, D. C.—Frank H. Kramer's life story is told in a two-page advertisement in the Washington Times of June 14.

Buffalo Cut Flower Co.

495 Washington St.,

BUFFALO, N. Y.

Long Distance Phones:

Bell Seneca 3762. Frontier 3607.

CARNATIONS, ROSES

and all other seasonable flowers on hand at all times.

—ALSO—

Wire Designs and Florists' Supplies

ASPARAGUS

Plumosus Nanus and Sprengeri, 3-in	$3.00 per 100
Aspidistra, excellent plants, 5-in. pots, green, $9.00 per doz.; variegated, $15.00 per doz.	
Araucaria Excelsa	$25.00 per 100 upwards
Adiantum Cuneatum, 3-in	$ 3.00 per 100
Ficus Elastica (Rubbers), 5-in	20.00 per 100
Dracena Indivisa	$4 00 25.00 per 100
" Sanderiana, 3-in	15.00 per 100
" Godseffiana, 3-in	6.00 per 100
Cocos Weddelliana, 3-in	10.00 per 100
Latania Borbonica	$ 5.00 per 100 up
Kentia Forsteriana and Belmoreana, $9.00 per 100 up to $10.00 each.	
Smilax, 3-in	6.00 per 100
Poinsettia, 3-in	6.00 per 100
Nephrolepis Scottii and Piersoni, 3-in.	5.00 per 100
" Bostoniensis, 3-in	3.00 per 100

Absolute satisfaction guaranteed.

M. H. ROSE, 46 Macomb St., DETROIT, MICH.

RICE BROTHERS

Wholesale Florists and Supplies,

115 N. 6th St., MINNEAPOLIS, MINN.

CUT FLOWERS received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities.

C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs

Weiland & Olinger,

128 E. Third St., CINCINNATI, OHIO.

Wholesale Growers and Shippers of Cut Flowers.

Greenhouses, NEW CASTLE, IND.

Wm. C. Smith & Co.

WHOLESALE FLORISTS,

Bell, Main 2018. Kinloch, Cent. 410.

1316 Pine St., St. Louis, Mo.

H. G. BERNING,

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

AMES, IA.—F. J. Olsan was in Chicago recently looking for material for two new vegetables houses, each 25x100 feet. This will give him a total area of 15,000 feet.

Special Fancy Valley,
$4.00 per 100; **Good,** $3.00 per 100
PEONIES.....$2.00 to $6.00 per 100
CROWEANUM.....$1.25 per 100

New Fancy Ferns, $1.25 Per 1000

In the Supply Dept.: CHIFFONS and RIBBONS to harmonize with all flowers. Large assortment of Fancy and Novelty BASKETS. Send us an order for WIRE WORK.

A. L. RANDALL CO., Wholesale Florists,
L. D. Phone Central 1496. Private Exchange all Departments
19-21 Randolph Street, CHICAGO.

New York.

STOCK DIMINISHING.

There is a marked decrease in the supply of stock arriving and it is hoped that for some time to come we will be spared the pain of explaining away a surplus. The hot weather has put much of the greenhouse stock that was hanging on completely out of business. The peonies are out, and the market must now fall back to a considerable extent on summer flowers. It is true that there is good greenhouse stock yet coming in, but it is of the varieties that stand heat and, on account of pulling up and planting, there is now little danger of a heavy surplus. American Beauty roses no longer arrive in large quantities and the price has stiffened up. Kaiserin and other summer roses are in fairly good quality, though Killarney is about the only pink that is really serviceable. Carnations are growing scarce, though some fair stock is yet to be seen. The field crop of sweet peas is now coming in good shape and is a good standby for the designers. The persistent street vendors have now largely forsaken the city on Sunday, to follow the crowds to the beaches and other resorts. For the remainder of the summer, with both branches of the trade, it will be a case of "catch as catch can" for all the stray trade that is going, for, aside from funeral work, there will be little that can be depended on. While June trade has not been up to expectations, there is reason for thankfulness that it was no worse. There has been some very good wedding work, and altogether a cheerful feeling prevails.

FUNERAL OF ALEX. WALLACE.

The floral designs at the funeral of Alexander Wallace, June 20, were very noteworthy. From his associates in the office of the Florists' Exchange and the men of the composing and press rooms there was a large standing wreath of cattleyas and lily of the valley; from Traendly & Schenck, a large wreath of cattleyas and sweet peas; from James McManus, a large wreath of cattleyas. Fine designs were also sent from the stores of John Young, John I. Raynor and other wholesalers. One very beautiful wreath was the tribute of Young & Nugent, and was the personal work of John B. Nugent, Jr. It was composed of cattleyas and centaureas and was an elaborate piece of work. Other fine designs were executed on order by this firm. A large delegation of members of the New York Florists' Club, of which Mr. Wallace had long been a prominent member, attended the funeral. Among those present were: President Traendly of the S. A. F., Patrick O'Mara, Chas. H. Totty, Walter F. Sheridan, J. K. Allen, W. E. Marshall, John Birnie, John Donaldson, John Scott, Paul and Henry Dailledonze, A. F. Faulkner (THE FLORIST), J. A. Shaw, W. R. Du Rie and Robt. Berry. There was a large representation of the employes of the A. T. De La Mare Publishing Co., the pall bearers being young men who are employed by that company. In the parlor of the Summerfield Methodist Church at Washington and Greene avennes, Brooklyn, a very touching funeral service was held. There the bereaved widow and the large gathering of devoted friends looked for the last time on the peaceful face, and then the mortal remains of Alexander Wallace were borne away to beautiful Greenwood cemetery, which holds the dust of a multitude of the good and great.

NOTES.

Edwin A. Seidewitz, a leading florist of Baltimore, Md., with branches at Annapolis and other points, was in this city June 16. Mr. Seidewitz is a close personal friend of President Traendly of the S. A. F. and never fails to visit him when here. He says that the Baltimore florists are jealous of their good name, and that an item which recently appeared concerning an overcharge purporting to have been made by one of them against a New York dealer had no foundation in fact, being the result of a misunderstanding on the part of the Baltimore man.

Myers executed a very pretty house decoration June 16 for the Harned-Elsbach wedding. The decorator, being given carte blanche, turned the house into a veritable bower of bloom, while the bouquets of the bride and bridesmaids were very elaborate. The groom is private secretary to Frank J. Gould.

E. E. Burque, for 27 years manager with Chas. A. Dards, was married to Miss Anna Caslin at Yonkers, June 10. The happy couple spent their honeymoon at Atlantic City, N. J.

Elmer Greatfield, formerly salesman for J. S. Fenrich, now occupies a similar position with J. K. Allen.

Geo. F. Struck, of Knight & Struck, has just returned from an extended eastern trip.

Buffalo.

WIND WORKS HAVOC.

Trade conditions are about the same as in previous years. Wedding decorations are still numerous, while school closing is scheduled for this week. The terrific storm that visited this city on Friday evening did not skip the florists. It partly destroyed one of the greenhouses of H. Keitsch & Son and while Chas. Schoenhut was speeding in his automobile a tree was blown over and landed on the machine. Fortunately no one was injured, but I am informed that it cost Charlie $5 to have the tree cut down to release the machine. It is an ill wind that blows no good, for Andy Adams had a tree on his premises that was past redemption and the wind cut it down for him. The destruction to the trees in the parks cannot be estimated at present.

Beginning Monday, July 6, the stores will see the first of the vacations with the exception of W. J. Palmer & Son, who have been dividing the hours of their employes on Saturdays since June 1. This firm, I understand, is to do some enlarging of its Lancaster plant.

The safe of the Wm. Scott Co. was touched for $150 on Saturday night, June 20, and there is no clue to the robbers.

A number of seedsmen passed through the city early in the week bound for the Detroit convention.

W. F. Kasting is thinking of going to Denver to help Bryan.

S. A. Anderson was in Rock City last week prospecting.

Recent visitors: Wm. Bell, Franklin, Pa., enroute to England; A. Ringier, Chicago; Wm. Dilger, of the Michigan Cut Flower Exchange, Detroit, Mich.

BISON.

Tarrytown, N. Y.

The annual June exhibition of the Horticultural Society held in the music hall on June 12 eclipsed all previous ones. A magnificent display of roses in perfect shape and color was staged on five large tables, one exhibitor alone having over 100 varieties of hybrid perpetuals and teas, the majority of them truly named. Frau Karl Druschki was very much in evidence, having been entered in many classes, and carried the honor wherever perfect. Competition was very keen in every class and judging difficult. Strawberries were fine, large and well finished, every class heavily entered. Shrubs were lacking, only two exhibits staged, with common varieties. Perennials were fine, two exhibitors having over 50 varieties, each well labeled. The F. R. Pierson Co. had some large exhibits of miscellaneous plants and cut flowers, not for competition, but very interesting. An innovation which has proved very successful and interesting was the giving of two prizes for bouquets of wild flowers, open only to school children under 14 years of age. This brought 24 contestants. The judging was eagerly watched by the young contingent.

AWARDS.

Collection of flowers cut from hardy perennials—F. L. Milne, gardener to E. H. Weatherbee, Mamaroneck.

Vase, 25 hybrid perpetual roses—John Woodcock, gardener to Gen. E. A. McAlpin, Ossining.

Collection of outdoor roses (silver cup)—John Woodcock.

Six varieties outdoor roses—John Woodcock.

Three varieties roses, three of each—John Elliott, gardener to George Legg, Tarrytown.

Twelve roses, any one variety—H. Nichols, gardener to Mrs. J. B. Trevor, Yonkers.

Best vase roses—John Elliott, Tarrytown.

Best display climbing roses—John Brunger, gardener to I. N. Seligman, Irvington.

Collection flowers from hardy shrubs—W. H. Waite, Yonkers.

Collection of sweet peas—H. Nichols.

Best vase roses (amateurs only)—Alfred L. Squire, Tarrytown.

Best bouquet wild flowers—Agnes Hughes, first; Isaac Regna, Jr., second.

Certificates of merit were awarded F. R. Pierson Co., for miscellaneous exhibits; Matthew J. Murtha, gardener to Mrs. W. L. Bull, Irvington, for shrubs, hardy perennials and roses.

Cultural certificates were awarded George Whitlinger, gardener to Miss Blanche Potter, Ossining, for collection of vegetables; John Elliott, gardener to Geo. Legg, Tarrytown, for rose Frau Karl Druschki.

Honorable mention—Wm. Jameson, gardener to Emil Berolzheimer, Tarrytown, for melon Blenheim and tomatoes Lorillard; Francis Gibson, gardener to Mrs. J. B. Hall, Tarrytown, for shrubs, hardy perennials and roses. L. A. M.

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Alexander J. Guttman,
THE WHOLESALE FLORIST OF NEW YORK
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PHONES, 1664-1665 MADISON SQUARE
ENOUGH SAID

Toronto.

GOOD ROSES SCARCE.

Business keeps up to its usual June standard and, as is customary with the season, good roses and lily of the valley have been scarce. A few cool days shortened the crop of roses considerably and, as many of the houses are being replanted, the space devoted is not as large as usual. Most weddings call for these flowers, so that the shortage was felt in many places. Kaiserin, Bride, Bridesmaid and American Beauty roses are still of very good quality, while Richmond and Killarney are poor. Other varieties of stock are mostly plentiful, with an abundance of fine peonies.

The annual rose show of the St. Catharine's Horticultural Society was a decided success; large numbers of visitors attended. The contingent from this city, going by boat, had a splendid outing. The show of roses was probably the best ever displayed in Ontario, the crop being about two weeks earlier this season than last.

James Wilson, the new city park superintendent, was entertained by the Horticultural Society in St. George's hall on Wednesday evening; a splendid programme of addresses, music and refreshment occupied the evening. H. R. Frankland, president of the society, acted as chairman.

The Dale Estate, Brampton, is sending in some fine orchids; each season this firm is proving more successful with these. Lily of the valley has been scarce here for a few days, but another fine lot is coming along. H. G. D.

Montclair, N. J.

The funeral of A. D. Rose was the occasion for a number of very fine designs, most of which were made up by local florists. The esteem in which Mr. Rose was held by his fellow townsmen and craftsmen was well exemplified.

Mrs. A. D. Rose and daughters will continue the business of the late A. D. Rose, and, all being thoroughly familiar with it and having a competent force of assistants, they will doubtless carry it on successfully.

F. W. Massman will soon erect a new building 42x72 and two stories in height. Part of it he will occupy as a retail store, with a conservatory in the rear.

Last week was a busy one for A. S. Wallace. He had the decoration for the high school closing and much bunch and design work.

BORDENTON, N. J.—Augustus Kellar, flower pot manufacturer of this city, who was painfully injured at the Pennsylvania Railroad station recently, is much improved.

DANBURY, CONN.—T. H. Judd and Wm. Butt, his landscape gardener, are engaged in landscape work and the floral decorations of the grounds about Mark Twain's new villa in Redding.

WEST CHESTER, PA.—Walter Biddle is erecting three greenhouses for his son near the links of the Delaware County Country club. Some of the material has arrived on the ground. There is some talk of organizing a stock company to conduct the business.

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Wholesale Flower Markets

NEW YORK June 24.

Roses, Beauty, special	25 00	@30 00
" " fancy	15 00	@20 00
" " extra	10 00	@15 00
" " Nos. 1 2 and 3	50	@ 4 00
" Richmond	1 00	@ 3 00
" Bride, Bridesmaid, Killarney Extra and Special	2 00	@ 4 00
No. 1		50
No. 2		25
Carnations, fancy		2 00
" common	1 00	@ 1 50
Lilies	3 00	@ 6 00
Lily of the valley	1 00	@ 3 00
Asparagus plumosus strings	25 00	@40 00
" per doz. bunches	2 00	@ 3 00
Smilax	8 00	@10 00
Cattleyas	35 00	@50 00
Gardenias	1 00	@ 5 00
Sweet peas.....per dozen bunches		25@ 50
Snapdragon		50@ 75
Gladiolus	2 00	@ 4 00
Centaureas	1 00	@ 2 00
Daisies		25@ 30
Coreopsis		25@ 30

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And give Special attention to Steamer and Theater orders. Prompt deliveries and best stock in the market.

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Desirable Wall Space to Rent for Advertising.
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Philadelphia.

LIGHT SUPPLY AND DEMAND.

The very hot weather of the past few days has had a disastrous effect on the greenhouse output. Roses, particularly the teas, have felt the intense heat and either are seen very tight or wide open, in neither of which conditions are they presentable. American Beauty roses are also fast retrograding and the eastern stock will soon have the market to itself until the local summer stock is ready. Carnations are also getting very small. Sweet peas are very fine, but if this weather keeps up for another week there will be a great change in quality. While this account of the quality of the stock is not very encouraging, the truth about the demand for what there is offered is that it is not at all equal to disposing of even the little that is offered. With the facts of the case in mind, many of the growers are clearing out their houses and making repairs, so that early planting will give the stock for next season a good start, with the hope that there will be a boom after the election that will keep the boys busy for years to come. There are still a few good peonies, cold storage stock, which have kept very well indeed; prices, however, are not high, ranging from 4 to 6 cents.

NOTES.

A very enjoyable week-end holiday was spent by a number of the craft with Commodore Westcott at his Waretown clubhouse, on the shores of Barnegat bay, Friday and Saturday, June 19 and 20. Five ex-presidents and two vice-presidents of the S. A. F. were of the party, which consisted of Edwin Lonsdale, John Burton, John N. May, Robert Craig, John Dunham, R. Lynex, Geo. C. Watson, Chas. Eimerman, Daniel Donoghue, J. Lynch, G. Redford, David Rust, Geo. Anderson, Geo. Craig, A. Patterson, W. J. Stewart, Wm. Westcott, S. S. Pennock, Col. Castle and Robt. Kift. The weather was fine and all enjoyed themselves to the full, wandering over the extensive farm of some 400 acres or fishing and sailing on the beautiful bay. On departing, Col. Castle voiced the thanks of the visitors in a neat speech, which was responded to by Mr. Westcott, who said he was glad they had had a good time, and that he was never happier than when he could have his friends of the craft about, spending with him a few days of their leisure time.

Wm. Folck, of Pennock Bros.' force, sailed for his fatherland June 25. He expects to return in the early fall.

Richard Umstead sailed from Baltimore June 24 for Germany, where he will spend his summer vacation.

K.

Boston.

A SLIGHT IMPROVEMENT.

The week just passed has been a slight improvement over the previous fortnight, but offers no comparison with an ordinary June business. Graduations and weddings have been principally responsible for the business transacted, and the season practically ended with the close of business Saturday night. Good roses are extremely scarce and the collection of varieties is limited. American Beauty and Kaiserin are of exceptional quality for this period of the year; Killarney has deteriorated and Richmond is poor, but a light crop is ample to meet all present demands. American Beauty is bringing $2 to $3 per dozen; Kaiserin $6 to $16 per 100. Carnations are gradually passing out and prices have become more firmly standardized. Two dollars per 100 buys the best.

NOTES.

The monthly meeting of the Gardeners' and Florists' Club was held at Horticultural Hall, June 16. The speaker of the evening was Prof. A. H. Kirkland, who has become famous because of his success in fighting gypsy and brown tail moths. That the members fully realized the exceptional opportunity offered them was plainly evidenced by the large attendance greeting the speaker. The subject of the evening was "The Gypsy Moth and Other Shade Tree Insects," and was splendidly handled by the speaker, who overlooked no details and greatly added to the educational feature by his extensive collection of views of practical subjects and tests.

Boyle Bros., who for the last three years have operated from the old and well-known plant of Peter Ball in Malden, have dissolved. P. Boyle, the senior member, has entered the growing field again at Brockton and will also maintain a retail store in the city. Neil Boyle, the remaining partner, will continue at the old stand and ship his goods, as usual, to this market.

John Loomis, well known among the growers for many years, has established himself at the J. A. Clark place in Weymouth, engaging in growing a line of general stock for the market. Mr. Loomis came to this country 14 years ago and has since been located around Boston and vicinity.

B.

Sidney Hoffman, Jr., Boston, Mass.

Sydney Hoffman, Jr.

The photographer caught this budding florist in his father's pansy beds. He was evidently undecided as to whether there was sufficient flowers to meet the Memorial day demands or not.

B.

Massachusetts Horticultural Society.

The following is a partial list of the awards at the rose and strawberry show held June 20-21: Hardy roses, collection, named, not less than 12 varieties—Miss Sarah B. Fay, first; W. J. Clemson, second; Miss Sarah B. Fay, third. Campanula Medium, collection, not less than 15 bottles—Mrs. J. L. Gardner, first; Wm. Whitman, second. Delphiniums, 12 spikes, distinct, named—Wm. Whitman, first; Mrs. J. L. Gardner, second. Hardy herbaceous flowers, 30 bottles, distinct species and varieties—Blue Hill Nurseries, first and second.

Gratuities—Miss Sarah B. Fay, rose display; Wm. Riggs, rose display; J. G. Wright, rose display; Col. Frederick Mason, rose display; W. J. Clemson, rose display; Harvard Botanic Garden, water lily display; E. J. Milton, orchid display; Wm. Whitman, sweet williams and delphiniums; W. A. L. Bazeley, sweet williams; Bellevue Greenhouses, herbaceous flowers: Frederic J. Rea, herbaceous flowers; Mrs. Frederick Ayer, display; Mrs. E. M. Gill, display.

Bronze medal—R. & J. Farquhar & Co., for display of Spanish Iris. First-class certificate of merit—Blue Hill Nurseries, for Campanula humosa. Honorable mention—T. C. Thurlow & Co., peony display; George Hollis, peony display; R. & J. Farquhar & Co., display of herbaceous flowers; Frederic J. Rea, rose, Ruby King.

H. L. Crane, H. A. Clarke, G. V. Fletcher, Mrs. J. C. Phillips, S. H. Warren, Wilfrid Wheeler and A. W. Clarke were the principal prize winners for strawberries. The varieties shown included Marshall, Barrymore, Golden Gate, Ashton and Hundred Dollar. The vegetable classes were well filled and the produce shown was excellent.

Providence.

Monday last was the occasion of an outing of the Florists' Club that has never been excelled in worth and pleasure. Upon the invitation of Brother Hartstra, who is superintendent of the grounds of the Rhode Island hospital, the club took the Eddy street car at 3 p. m. and, after being escorted over the paths and through the groves, had an opportunity to see a modern private greenhouse plant which, while not large, was thoroughly equipped and built of the best materials. A variety of unusual plants and a large collection of herbaceous stock was next viewed, the same furnishing the members a chance to dilate at considerable length upon Latin names and rare species. Perhaps the most amazing thing of the day was the X-ray exhibit and laboratory tests shown the club while going through the institution a little later. Dr. Peters graciously furnished the members with a splendid lunch and accompanied his guests to every part of the building, rendering an enjoyable sketch of the purpose and uses of things medical and surgical. Instead of producing a haunting feeling the doctor awakened the sense of query and had his time fully taken up by many profitable questions. The club immediately voted Dr. Peters and Brother Hartstra their sincere thanks. An ensemble photograph on the lawn ended the day's visit.

M. M.

Pittsburg.

LILIES SELL WELL.

The demand for all stock is keeping up as well as can be expected for June; carnations are quite scarce, as so many plants have been thrown out. There has been a good run on tea and American Beauty roses. Lily of the valley has also been very much in demand. It is surprising how well lilies move at satisfactory prices. Asters will receive a warm welcome when they arrive, and they have been promised very early this year. The growers are all busy planting and predict a very good season.

The vacation season has started and many are leaving for the north and east.

Wm. Loew has leased the second floor of 231 Diamond street, which he will use for a workshop.

The South View Floral Co. is sending the Pittsburg Florists' Exchange some of the best Chatenay roses seen for some time.

A son was born to Joseph Thomas, Greensburg, June 21.

J.

Newport.

BEDDING PLANTS SOLD WELL.

Business was very good last week, finishing up with the graduation exercises, which called for a great number of bouquets, made mostly of roses and carnations There has been a very large call for bedding plants, and everything in this line is pretty well sold out. There has been a great demand for bay trees, and also for palms to rent for the summer. The outside roses are just coming in fine shape for the rose show this week, and a good show is expected.

L.

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NOTICE.

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Preservation of Wild Flowers.

The Wild Flower Preservation Society of America was founded six years ago with the object implied in its name, and has distributed leaflets, conducted lecture tours and in other ways done all that was possible with limited means to educate the people to the importance of the subject. Not less than 100 of our most attractive wild flowers are threatened with speedy extinction unless public sentiment takes a turn. Legislation similar to that secured by the Audubon Society with regard to song birds would be an advantage, but such laws would be difficult to enforce. What is needed is an active appeal to the public through the press and the raising of an adequate fund to provide for more lectures, etc. Membership in the association is only 50 cents a year and every lover of flowers and nature should be a member. The secretary-treasurer of the association is Chas. Louis Pollard, Staten Island Association of Arts and Sciences, New Brighton, Borough of Richmond, New York.

Texas Plants for Germany.

Orders have been received at Galveston, Tex., from Berlin for the shipment of 2,000,000 tuberoses from the Texas coast country to Germany. Another order calls for 500,000 Cape jasmines, which the German importers declare are becoming extremely popular in Germany. All of the Cape jasmines will be used in Berlin, while the tuberoses will be shipped to nearby provinces.—Long Branch Record.

Wholesale Flower Markets

PHILADELPHIA, June 24.

Roses, Tea	4 00@ 6 00
" extra	8 00@10 00
" Liberty	6 00@25 00
" Beauty, extra	20 00@25 00
" " first	10 00@15 00
Carnations	1 50@ 3 00
Lily of the valley	2 00@ 3 00
Asparagus, bunch	50 00
Smilax	15 00@20 00
Adiantum	1 00@ 1 50
Cattleyas	50 00@60 00
Lilium Harrisii	6 00@ 8 00
Mignonette	2 00@ 3 00
Sweet peas	50@ 75
Gardenias	15@ 25

PITTSBURG, June 24.

Roses, Beauty, specials	20 00@25 00
" " extras	12 00@15 00
" " No. 1	8 00@10 00
" " ordinary	4 00@ 6 00
" Bride, Bridesmaid	2 00@ 8 00
" Chatenay	2 00@ 8 00
" Richmond	3 00@ 8 00
" Perle	4 00@ 6 00
" Killarney	3 00@ 8 00
Carnations	1 00@ 2 00
Lily of the valley	3 00@ 4 00
Smilax	15 00
Asparagus, strings	50 00
" Sprengeri	3 00@ 4 00
Lilies	12 50
Adiantum	1 00
Cattleyas	60 00@75 00
Sweet peas	50
Gladiolus	4 00@ 6 00
Iris Spanish	4 00
Daisies	50@ 1 00
Coreopsis	50

BOSTON, June 24.

Roses, Beauty, best	15 00@20 00
" " medium	10 00@12 00
" " culls	2 00@ 4 00
" Bride, Bridesmaid	1 00@ 2 00
" Extra	4 00@ 8 00
" Liberty	8 00@12 00
Carnations	75@ 1 00
" Fancy	1 00@ 2 00
Smilax	8 00@12 00
Adiantum	75@ 1 00
Lilies	6 00@ 8 00
Asparagus	35 00@50 00
Harrissi	6 00@ 8 00
Callas	4 00@ 8 00
Narcissus	1 00@ 2 00
Sweet peas	35@ 50
Peonies	2 00@ 3 00

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All Seasonable Flowers.

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222 Oliver Ave. PITTSBURG, PA.

BALLSTON, N. Y.—Chas. Shafer committed suicide June 12 by shooting.

ROCHESTER, N. Y.—The display of roses at Ellwanger & Barry's has been very fine this year.

NEWPORT, R. I.—Plans are being made for new greenhouses at Harbourview, the residence of Mrs. F. O. French.

BAR HARBOR, ME.—The Mount Desert Nurseries' flower store will shortly be open for business. The business has lately moved into new quarters on Main street.

JACKSONVILLE, FLA.—Many palmetto trees have been planted here on Enterprise street, west of Myrtle avenue. The work has been in charge of Mills, The Florist.

STROUDSBURG, PA.—Howard Stone has closed his Main street store for the summer and will carry on the retail end of the business at the greenhouses on Scott street for the warm months.

NEW HAVEN, CONN.—The Horticultural Society held a very successful show at its hall June 16. There was a large attendance of members, and the exhibits, especially the roses, were of a high order of merit.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

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COMMISSIONS CARRIED OUT IN LONDON

or any part of Great Britain.

Messrs. WILLS & SEGAR will attend to any commissions from American florists for the supply of Cut Flowers, Birthday flowers, Bouquets, High Class Floral Designs, etc. to their clients who may be traveling in England.

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TELEGRAMS Onslow Crescent, South Kensington,
FLOSCULO, LONDON. LONDON, ENGLAND.

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WILLIAM L. ROCK Flower Co.,

Will carefully execute orders for Kansas City and any town in

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Orders to be delivered at short notice in or near Mobile or New Orleans will be executed with fresh stock from our mammoth plant by our own artist at Mobile, or Mr. U. J. Virgin, New Orleans Orders by telegram at our expense.

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New Orleans.

NOTHING DOING.

This city is fast depopulating itself just now, as all who can afford it are seeking cooler climes than here. The weather is extremely hot and in consequence there is absolutely nothing doing except a few weddings and funerals now and then. The growers are busy now with their chrysanthemums, and restocking their houses and nurseries.

NOTES.

J. St. Mard, Saratoga and Delachaise streets, had the misfortune June 10 to have his residence and nursery completely destroyed by fire. He will soon start rebuilding and will be ready for the fall business.

C. W. Eichling has purchased his place of business, the Avenue Floral Co., St. Charles and Olive streets, and intends to make extensive improvements in the near future.

Francois Gruaz has purchased his place of business, Carondelet and Washington streets, and will erect two greenhouses, 20x100 feet each.

D.

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Artistic Designs.
High Grade Cut Blooms.

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Cut Flowers of BEST QUALITY in season, delivered promptly to any address.
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Greater New York, Long Island and New Jersey.

Trade orders from all parts of the country filled for delivery at residence, steamer, hotel, or theater on wholesale basis. Satisfaction guaranteed. Wire or telephone.

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CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

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1657-1659 Buckingham Place,
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Send us your retail orders.
WE HAVE THE BEST FACILITIES IN THE CITY

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The Cleveland Cut Flower Co.
Will fill your orders for designs and cut flowers in
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WRITE, WIRE OR PHONE YOUR ORDERS TO
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Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones

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The Leading Florist
ALPHA
Six Refrigerators always overflowing with Great Assortment.
ALPHA FLORAL CO.
1105 Walnut St.,
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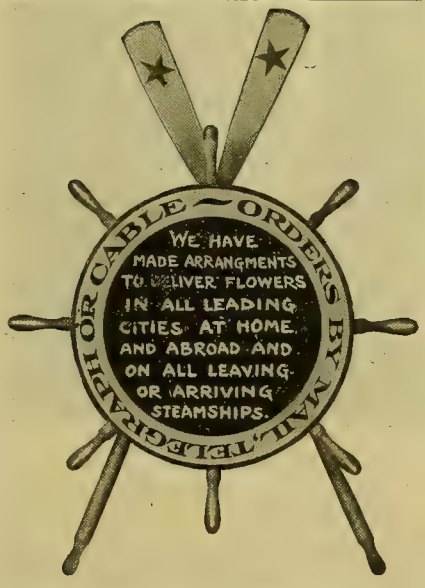

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Steamship Sailings.
WEEK ENDING JULY 4.

June 30, Saxonia, Boston-Liverpool.
June 30, Ivernia, Liverpool-Boston.
June 30, Hamburg, New York-Hamburg.
June 30, Kaiser W. der Grosse, N. Y.-Bremen.
July 1, Oceanic, New York-Southampton.
July 1, Westernland, Liverpool-Philadelphia.
July 1, Rotterdam, New York-Rotterdam.
July 2, Pannonia, New York-Fiume.
July 2, La Lorraine, New York-Havre.
July 2, Celtic, New York-Liverpool.
July 2, Cedric, Liverpool-New York.
July 2, Amerika, New York-Hamburg.
July 3, Virginian, Montreal-Liverpool.
July 3, Numidian, Boston-Glasgow.
July 3, Laurentian, Glasgow-Boston.
July 3, Romanic, New York-Genoa.
July 4, St. Paul, New York-Southampton.
July 4, St. Louis, Southampton-New York.
July 4, Friesland, Philadelphia-Liverpool.
July 4, Southwark, Montreal-Liverpool.
July 4, Sardinian, Montreal-London.
July 4, Columbia, New York-Glasgow.
July 4, Pretoria, New York-Hamburg.
July 4, Potsdam, Rotterdam-New York.
July 4, Koenigin Luise, New York-Genoa.
July 4, Finland, New York-Antwerp.
July 4, Zeeland, Antwerp-New York.

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FLORISTS
.....241 Massachusetts Ave.

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Flowers or Design Work.
DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.
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IN HEART OF NEW YORK CITY.
Phone, 2270 38th St. 1294 Broadway, N. Y.
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GEO. M. KELLOGG,
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KANSAS CITY and PLEASANT HILL, MO.
Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

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HAUSWIRTH FLORIST
M. C. and J. E. Hauswirth.
Auditorium Annex.
Mail, telegraph or telephone orders filled promptly in best style.

Atlanta, Ga.

ATLANTA FLORAL CO.
41 PEACHTREE STREET.

The Seed Trade.

American Seed Trade Association.
Geo. S. Green, Chicago, Pres.; M. H. Duryea, New York, First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-sixth annual convention, June 23 to 25, at Hotel Ponchartrain, Detroit, Mich.

THIS is corn weather—and needed.

WATERLOO, NEB.—Chauncey P. Coy is on the sick list.

AFTER the convention at Detroit Albert McCullough, of the J. M. McCullough's Sons Co., Cincinnati, O., leaves for Europe, via Quebec, and expects to be gone about two months.

QUEENS, N. Y.—E. V. Hallock has returned from Cuba.—John Lewis Childs, Floral Park, has returned from Nebraska, where he spent several weeks making additions to his ornithological collection.

KEOKUK, IA.—The Gate City Seed Co. has a number of men at work in the Hubinger building, corner Third and Main streets, and the interior is fast being put into shape for the opening of business.

NEW YORK.—The following members of the New York Produce Exchange have just been appointed by the president to serve on the committee on seeds for the ensuing year: Wm. Jacot, Marshall H. Duryea, Ernest Wehncke, O. W. F. Randolph and Chas. Wimmer.

DR. TRACY'S valuable paper on "Theoretical and Practical Seed Breeding" will be found on page 1125, and the preceding pages contain another installment of the interesting illustrated account of the establishment of Vilmorin-Andrieux & Co., Paris, France, which was begun in an earlier issue.

SPRINGFIELD, MO., June 15.—The stockholders of the Springfield Seed Co. met today and elected the following officers for the coming year: R. R. Ricketts, president; L. H. Murray, vice-president; A. S. E. Sanders, secretary, and W. D. Murray, M. D. Ricketts, A. E. Sanders, M. C. Baker and Joseph Rountree, trustees. The business of the past year was reviewed and it was found that it had been very satisfactory.

CHICAGO.—Grass seed prices on the board of trade June 24 were noted as follows: Prime timothy, $4.15 (nominal); choice white clover, $15.—Among those who passed through the city enroute to the Detroit convention were C. H. Coy, Valley, Neb.; J. C. Robinson, Waterloo, Neb.; E. B. Northrup, Minneapolis, Minn.; C. R. Chesmore, St. Joseph, Mo.; A. Luck, Germany Nursery & Seed House, Beatrice, Neb.; — Mangelsdorf, Atchison, Kans., and Chas. N. Page and son, Des Moines, Iowa, who will go from the convention to the northern lakes on a fishing trip.—Anton C. Zvolaneck, the sweet pea specialist of Boundbrook, N. J., and Burnet Landreth, Bristol, Pa., both of whom have been on a trip to the coast, were callers this week.

Braslan Seed Growers' Co.
Growers for the Wholesale Trade Only.
SAN JOSE, CAL.

W. ATLEE BURPEE will sail from Queenstown, Ire., on the S. S. Baltic, homeward bound, June 26.

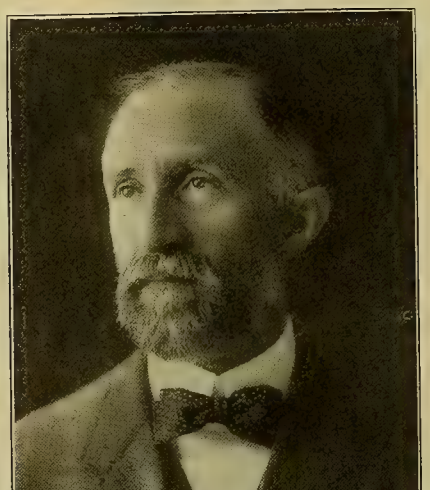
PHILIPPE DE VILMORIN, of Vilmorin-Andrieux & Co., Paris, France, has been appointed a chevalier of the legion of honor.

Michigan Seed Crops-

June 12.—Seed crops here (those that are planted) are doing very well, writes S. M. Isbell & Co., Jackson. They are now busy planting vine seeds and beans. The acreage of garden beans is light in Jackson county owing to the very high price of the common field beans. Not much to report at the present time.

Connecticut Seed Crops.

June 10.—On the small seeds such as beet, carrot, onion, turnip, we have a very fair prospect up to the present time, writes the Everett B. Clark Seed Co., Milford. With a few exceptions, there is a good even stand and a satisfactory growth, fairly well advanced for this time in the season, possibly not as far along as might be called average, but still much better advanced than a year ago. Acreage on none of these items, however, is large and some of them quite restricted. On sweet corn we have a better acreage than a year ago, but still not the acreage that is customarily planted in this section, taking the section as a whole. Our seed has surprised us in the excellence of the stand it has given. We have a very good stand of corn indeed and it is making a very nice start these days, as we had a fair amount of moisture up to June 1. It is now getting somewhat dry. Corn will need, however, to make good headway all the way through the season and develop a mighty good crop in order to bring us out even, as the demand and our sales on future contracts have been unusually heavy. This seems to be the common experience of all growers of seed corn this season as far as we have communicated one with another. Our crops are more backward in Michigan and Wisconsin than here in Connecticut. They were something like two weeks late in getting into the ground out west, but the conditions have been fairly favorable since seeding and our crops are making as good headway up to this time of the season as could be expected.



Geo. S. Green.
President American Seed Trade Association.

American Seed Trade Association.

THE ANNUAL CONVENTION.

The twenty-sixth annual convention of the American Seed Trade Association opened in the parlors of the Hotel Pontchartrain, Detroit, Mich., Tuesday morning, June 23, with President Geo. S. Green in the chair and about 80 members present. City Controller Frank E. Doremus welcomed the visitors to the City of the Straits and S. F. Willard responded for the association. President Green presented his address, which was followed by the annual report of Secretary-Treasurer C. E. Kendel. Then followed the reading by C. N. Page of the report of committee on postal laws, followed by the reports of delegates to the National Irrigation Congress and the committee on experiment stations, both read by Secretary Kendel.

Report of the work of the National Council of Horticulture was read by Secretary Kendel, and at his suggestion the sum of $200 was appropriated for the continuance of the press service during the ensuing year. The report of the National Council of Horticulture, on suggestion of Secretary Kendel, was ordered printed in the annual report of the American Seed Trade Association.

Dr. W. W. Tracy presented his paper on "Theoretical and Practical Seed Breeding." This was followed by the paper on the "Effect of Low Prices on the Production of High-Grade Stocks," by C. N. Keeney.

Albert McCullough had not prepared a paper on the subject assigned him, "Fire Insurance," because of illness, but he was present and addressed the meeting on the subject. He complained of the excessive rates charged the seedsmen by a dual classification. He said the present rates were about double what they were five years ago, and claimed the insured were very negligent in the matter and sought to overcome the extra expense by making great effort to increase the volume of their business.

Mr. McCullough recommended that the association pledge to the fire underwriters the assistance of competent men in any locality where losses by fire occur, to assist in adjusting the actual damage and result by this co-operation in a reduction of total losses to the insurance companies and a consequent low rate to the insured. A motion was carried giving the president the appointment of a committee to consider the suggestion and recommendation, committee to report later.

C. B. Smith presented the paper on "Farm Practice Investigations in Clover Seed Production." After the reading of his paper Mr. Smith was made the target of many questioners, developing an interesting and at times amusing discussion on the subject. He said it was often very difficult to distinguish between Mammoth clover and the medium in the growing crop, owing chiefly to soil conditions.

A resolution was adopted recommending the passage by congress of parcels post laws that would be reasonable in their conditions and favorable to the transmission of seeds in greater weight than is now permitted.

An invitation was extended by the D. M. Ferry Co. to the members and their friends to visit the firm's trial grounds

Wednesday morning and to be its guests on a boat ride Thursday afternoon.

The afternoon session lost the attendance of several of the members who attended the ball game to escape the excessive heat of the meeting quarters in the hotel.

Before adjournment the president announced an executive session for 8 o'clock Tuesday evening.

Wednesday's Proceedings.

On resuming business Wednesday the following new members were elected: Southern Fruit Co., Charleston, S. C.; American Seed Co., Inc., Detroit, Mich.; R. C. Reeves Co., New York; Stumpp & Walter Co., New York; Western Seed & Irrigation Co., Fremont, Neb.; James J. H. Gregory & Son, Marblehead, Mass.; German Nursery & Seed House, Beatrice, Neb.; Ross Seed Co., Puyallup, Wash.; O. J. Barnes, Malone, N. Y.; Agnew Seed Co., Greeley, Colo.; Bromfield, Colvin, Ries Co., Bay City, Mich., and J. Howard Heiss.

Resolutions were offered on the deaths of Alfred Plant, Everett B. Clark and D. M. Ferry, members who died during the year, and were unanimously adopted.

Albert McCullough, M. H. Duryea and J. C. Vaughan were appointed a committee on fire insurance.

The auditing committee approved the accounts of the secretary-treasurer.

D. J. Crosby, of the Department of Agriculture, presented a plan for "Practical Education in Horticulture."

Jesse E. Northrup read a paper on "The Use of Forage Plants as Soil Improvers in the North."

Henry W. Wood discussed the subject of "Forage Plants as Soil Improvers in the South."

E. L. Dungan presented a paper on "The Effect of Commercial Depression on the Garden Seed Business."

Resolutions were adopted reaffirming the use of the official disclaimer by every loyal member as strengthening the position of each and all.

About 100 members are scheduled to attend the banquet at the Ponchartrain hotel Wednesday evening.

Those Present.

Among those present or represented we noted the following:

A. A. Berry, Clarinda, Ia.
F. W. Bolgiano, Washington, D. C.
S. E. Briggs, Toronto, Ont.
Francis Brill, Hempstead, L. I., N. Y.
John T. Buckbee, Rockford, Ill.
J. J. Buffington, Baltimore, Md.
Chesmore-Eastlake Mer. Co., St. Joseph, Mo.
J. D. Carmody, Evansville, Ind.
John Lewis Childs, Floral Park, N. Y.
Herbert Clark, Milford, Conn.
C. H. Coy, Valley, Neb.
Currie Bros., Milwaukee, Wis.
E. F. Dibble, Honeoye Falls, N. Y.
Chas. Dickinson, Chicago.
E. L. Dungan, Philadelphia, Pa.
M. H. Duryea, New York.
Howard M. Earl, Philadelphia, Pa.
Henry Fish, Carpinteria, Calif.
H. E. Fiske, Boston, Mass.
S. W. Flower & Co., Toledo, O.
W. T. Fonda, Rochester, N. Y.
F. S. Ford, Ford Seed Co., Ravenna, O.
Geo. S. Green, Chicago.
W. H. Grenell, Pierrepont Manor, N. Y.
Harvey Seed Co., Buffalo, N. Y.
Peter Hollenbach, Chicago.
H. L. Holmes, Harrisburg, Pa.
J. W. Jefferson, Louisville, Ky.
N. B. Keeney, LeRoy, N. Y.
W. A. Kelly, Cleveland, O.
C. E. Kendel, Cleveland, O.
F. B. King, Rochester, N. Y.
S. F. Leonard, Chicago.
Mangelsdorf Bros. Co., Atchison, Kans.
L. L. May, St. Paul, Minn.
Albert McCullough, Cincinnati, O.
J. S. Michaels, Sioux City, Ia.
E. B. Northrup, Minneapolis, Minn.
Jesse E. Northrup, Minneapolis, Minn.
C. N. Page, Des Moines, Ia.
E. L. Page, Greene, N. Y.
E. M. Parmelee, Sheboygan, Wis.
Phillips Seed & Imp't Co., Toledo, O.
F. S. Plant, St. Louis, Mo.
Jerome B. Rice, Cambridge, N. Y.
J. C. Robinson, Waterloo, Neb.
A. L. Rogers, Chaumont, N. Y.
W. G. Scarlett, Baltimore, Md.
H. M. Schisler, St. Louis, Mo.
E. J. Sheap, Jackson, Mich.
Sherman & Eberle, Albany, N. Y.
W. P. Stokes, Philadelphia, Pa.
M. Tewels, Milwaukee, Wis.
J. C. Vaughan, Chicago.
Leonard Vaughan, Chicago.
O. H. Will, Bismarck, N. D.
S. F. Willard, Wethersfield, Conn.
S. A. Wilson, Clinton, Wis.
H. G. Windheim, Omaha, Neb.
C. F. Wood, Louisville, Ky.
Henry W. Wood, Richmond, Va.
W. S. Woodruff, Orange, Conn.

Stokes' Standard Pansy Seed.

Stokes' Standard Mixed Pansy

Is the finest strain of Giant Pansies it is possible to produce. It is a blend of all that is finest in Pansies from France, England and Germany. It is absolutely unrivaled in range of magnificent colors, size and substance.

Trade pkt (2000 seeds) 50c, ⅛-oz 85c; ¼-oz, $3 25; 1-oz $6 00; ¼-lb, $20 00.

Kingly Collection of Giant Pansies Mixed

A most excellent strain, the same as has been sold for years by the late firm of Johnson & Stokes and has given great satisfaction

Price ½ trade pkt, 30c; trade pkt, (2000 seeds) 50c; 5000 seeds $1.00; per oz, $5 00; per ¼-lb, $14 00.

SEND FOR SPECIAL PANSY CIRCULAR.

FRENCH and DUTCH BULBS in Season. **GET PRICES.**

STOKES' SEED STORE,

219 Market Street, PHILADELPHIA, PA.

Seasonable Flower Seeds

For "Under-Glass" Use.

Seedsmen can have from us now latest crop seed of

Calceolaria, Mixed
Cineraria, Separate colors and mixed.
Cyclamen, Giant Flowered.
" Orchid Flowered.
" Rokoko
" English Strains.
Gloxinia, Mixed.
Pansy, Giant and Bedding varieties and special mixtures.
Primula, Separate sorts and mixed.
" New English Strains.

Write for Complete List of Perennials.

VAUGHAN'S SEED STORE,

14 Barclay Street, New York.
84-86 Randolph Street, 206-8 W. Randolph St., Chicago.

ASPARAGUS PLUMOSUS NANUS SEED

Fresh, 95% Germination.

Reduced on account extra large crop,.....$1.50 per 1000. Large lots less.

DRAKE POINT GREENHOUSES, Valaha Florida.

S. M. ISBELL & CO.

JACKSON, MICH.

Contract Seed Growers,

Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.
Correspondence Solicited.

Write for Prices on Surplus Stocks for Immediate Shipment.

Seed Beans

F. L. HOGUE,

CARPINTERIA, CAL.,

Grower for the Wholesale Trade only.

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower

Specialties: Lettuce, Onion, Sweet Peas, Aster Cosmos, Mignonette, Verbena, in variety.
Correspondence solicited.

C. Hemmi Lilly Co.

SEATTLE, WASH.

Growers of

Puget Sound Cabbage Seed.

Roemer's Superb Prize Pansies

The Finest Strain of Pansies in the World.
Introducer and grower of all the leading novelties. Highest award, International Exhibition, Dusseldorf, 1905. Catalogue free on application.

Fred Roemer, Seed Grower, QUEDLINBURG, GERMANY

Rogers Brothers,

SPECIALTY GROWERS.

Purest Strains GARDEN PEA and BEAN SEED.

For the Wholesale Trade. **ALPENA, MICH.**

CAULIFLOWER CABBAGE SEED

HJALMAR HARTMANN & CO.

31 Barclay St. NEW YORK.
12 Stormgade, COPENHAGEN, DENMARK

MUSHROOM CULTURE

The Most Profitable Outdoor Industry Known.

If you want a really successful crop of

MUSHROOMS

USE ONLY

Johnson's Improved

MUSHROOM SPAWN

Which Is Scientifically Inoculated with Virgin Spawn.

JOHNSON'S, LTD., are thechief makers of Mushroom Spawn and growers of Mushrooms in England, and they recommend this season's improved spawn as being in better condition than ever.

Correspondence invited for OVER-SEA ORDERS. Prices and particulars on application.

NOTE THE ADDRESS:

JOHNSON'S, LTD.,

44 Bedford Row, London W. C., Eng

Vegetable Plants.

Cabbage. Wakefield, Early Flat Dutch, Early All Head Early Drumhead, and other early varieties, Surehead, Late Flat Dutch, Danish Round Head, and other late varieties. 20c per 100, $1.00 per 1000, $8.50 per 10,000.

Tomato, Stone, Favorite, Paragon, etc., at 20c per 100, $1.00 per 1000, $8.50 per 10,000; Dwarf Stone and Champion, June Pink and Early Jewell, 40c per 100, $2.00 per 1000.

Celery, White Plume, Giant Pascal, Gol. Heart, and other varieties, at 20c per 100, $1.00 per 1000, $8.50 per 10,000.

Beet, Eclipse, Crosby and Egyptian, 25c per 100, $1.25 per 1000.

Cash with order.

R. VINCENT, Jr., & SONS CO.
WHITE MARSH, MD.

MICE PROOF SEED CASES

SEND FOR BOOKLET.

HELLER & CO., Montpelier, O.

Nebraska Seed Crops.

June 10.—The weather has been very wet lately and the local river is now high and threatening to break over, writes J. P. Coy & Son, Waterloo. We presume there will be some replanting as soon as the weather settles. It is too early to say as to the crop probabilities.

June 12.—Since our last report, writes the Western Seed & Irrigation Co., we have had some additional heavy rains, but have also had a few days of bright sunshine, so that the growers in most localities have had some opportunities of cultivating their crops. The low lands are still flooded and replanting will have to be done in some cases. The conditions, therefore, in eastern Nebraska remain about the same, without much change.

We are now receiving reports from the melon district in western Kansas and Oklahoma to the effect that they have been having rains, and the growers are feeling greatly encouraged.

TO THE TRADE

HENRY METTE

QUEDLINBURG, GERMANY.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, **Carrots,** Kohl Rabi, Leek, Lettuces, **Onions, Peas, Radishes,** Spinach, Turnips, Swedes. **Asters,** Balsams, Begonias, Carnation Cinerarias, Gloxinias, Larkspurs, Nasturtiums. **Pansies,** Petunias Phloxes, Primulas, Scabious **Stocks,** Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, mixed), the most perfect and most beautiful in the world, $5.00 per oz.; $1.50 per ¼ oz.; 75c per 1-16 oz. Postage paid, Cash with order.

All seeds offered are grown under my personal supervision on my own grounds of more than 3,000 acres, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

List of my novelties in flower seeds for 1908 sent on application.

MUSHROOM SPAWN

Barter's Prolific

This season beats all records, the last four gatherings from test beds:

May 2nd ....1500 lbs.
May 9th .....1913 lbs.
May 16th..... ....1748 lbs.
May 23rd .... 2680 lbs.

Wholesale only. 100 bushel lots
For prices, f. o. b. London, write to

JOHN F. BARTER, Ltd.
Napier Road,
WEMBLEY, ENGLAND.

FLORISTS have a splendid opportunity of raising **Mushrooms** by utilizing the **waste space** under the benches, and then utilizing the **waste material** of expended mushroom beds in growing flowers. **Lambert's Pure Culture MUSHROOM SPAWN**, the best spawn in the market, is sold by all leading seedsmen. A fresh sample brick, enough for a trial bed, together with illustrated book on "Mushroom Culture" will be mailed postpaid upon receipt of **40c** in postage stamps. Address **American Spawn Company, St. Paul, Minn**

Kentucky Blue Grass Seed.

J. Chas. McCullough, Cincinnati, O., writes as follows, June 19: "We have just completed a thorough examination of the 1908 crop of Kentucky blue grass seed, covering the entire producing sections in Kentucky. We find the present crop to be the largest produced in many years, in fact, it is probable that it will exceed the largest previous crop on record (750,000 bushels cured seed). The seed is well matured and has been harvested under favorable conditions. Good weather for curing is all that is now required to produce seed of excellent quality as to color, weight and germination.

"Under these conditions, we advise against buying large stocks early in the season, and when placing orders insist on delivery of 1908 crop seed, as there is still on the market a large part of the 1906 and 1907 crops. Present indications are favorable to moderately low prices later in the season, therefore it is useless to quote prices at this time."

Allan's Extra Early Peas

While the growing of peas is a simple matter, to maintain a strain of Extra Earlys that keeps its place at the head of the line for earliness, hardiness, productiveness and uniformity, requires constant and intelligent care and watchfullness; and Allan's Early Dexter, introduced years ago and followed later by Allan's Maud S. and Sunol, have ever been and are now in the front rank and acknowledged as such throughout the world where extra early peas are grown.

Allan's Sunol, last on the list but first in quality, is the result of many years of careful propagation by Mr. Allan according to a system entirely his own, for earliness and purity and now stands without a rival. Vines vigorous, sometimes throwing laterals from the base of the stalk, bearing from four to seven pods of good size and shape, containing five to six peas of good flavor. Mr. Allan's special method of culture, possesses an extraordinary degree of vitality, having matured a full crop in some sections where before frost had ruined other sorts, thus proving extremely valuable for Market Gardeners in southern states who plant for early market in a season when frosts frequently occur after growth has begun. Undoubtedly the most popular early pea for market gardeners yet introduced.

The John H. Allan Seed Co.
SHEBOYGAN, WIS.

PLANT IMPORTATIONS INTO GERMANY. —All plants, shrubs, etc., not belonging to the category of the grape vine, which have been grown in nurseries, gardens and plant houses, may, for the future, only be sent via the Grand Ducal Mecklenberg chief custom house at Rostock.

British Seed Crops.

James Carter & Co. report, May 20, that the abnormal weather has affected all standing crops at Worsley and all the brassica tribe, turnips, Swedes, cabbages, etc., have suffered a great deal and many crops are being plowed up. Again peas and mangels have suffered and they hardly know of a crop which has had to stand the winter of which they can speak well. As regards the annuals, which were sown this spring for next harvest, such as peas and all kinds of flower seeds, these have made a bad start owing to the very late spring, and it remains to be seen whether they will have a continuance of suitable weather to enable them to overtake the ground they have lost.

Watkins & Simpson report, May 21, that it is rather early to give any definite information regarding the seed crops. They find that seeds sown in the spring are very late owing to the cold weather, and many have had to be sown again. Crops that have stood the winter are reported as follows:

Peas.—Growing fairly well and now looking better after the recent fine weather.

Swede.—Poor, many acres plowed up.

Beets.—Looking well.

Celery.—Very bad.

Mangel.—Medium.

Cabbage.—Poor.

Wisconsin Seed Crops.

June 10.—We have been getting our reports from quite a large section of the country, writes the Allan Seed Co., Sheboygan, and while some considerable damage is reported it is not greater than we frequently get in our early reports. One difficulty to tell the condition of pea crops at this time is the fact that some of them went in before the rains, and others afterwards. The very early sown were hurt considerably, and the late sown have not advanced far enough for us to form very much of an opinion, but up to the present time we are not aware of any serious damage. We cannot expect to get a full crop this year after so much of cold, wet weather, which must inevitably do considerable harm to the growing crops. A little later we may be able to give something more definite to show the real condition of the crop, but cannot at this writing.

For the "Pure Eggs Law" Congressman.

"A fresh egg is an egg which on being tested is found not to have suffered in any way from evaporation, and which shows no trace of decomposition."

Imports.

During the week ending June 13 imports were received at New York as follows:

Peter Henderson & Co., five cases plants.

Brown Bros. & Co., 150 bags seed.

J. M. Thorburn & Co., eight bls. garden seed.

To others: 78 cases plants, 13 pkgs. plants, 26 cases bulbs, 21 cases orchids, 425 bags sunflower seed, 237 bags clover seed, 292 bags millet seed, 100 bags poppy seed, 26 bls. garden seed, 726 bags seed, 55 pkgs. seed.

During the week ending June 20 imports were received at New York as follows:

A. T. Boddington, one case plants.

J. M. Thorburn & Co., 18 bls, grass seed.

To others, 29 pkgs. plants, five cases plants, 150 bls. grass seed, 691 bags seed.

HALF MILLION
Calla Bulbs.

Calla Bulbs pay to bloom 40 per cent better than Harrisii. Why you don't have to throw Calla Bulbs away after blooming. (Savvy?)

CALLA ETHIOPICA BULBS.

8 to 10 inch circumference	.....	$80.00 per 1000
7 to 8 " "	.....	65.00 " "
5 to 7 " "	.....	40.00 " "
3 to 5 " "	.....	25.00 " "

250 at 1000 rates. Packed in slatted crates. Liberal count. **Safe arrival guaranteed.** I prepay freight at above prices to your city when check is sent with order. Send in your order to-day and cash to reach me June 20th. References: First National and People's Bank, Santa Cruz, Calif., and Dunn's.

A. MITTING, 17 to 23 Kennan St SANTA CRUZ, CALIF.

FISCHER'S GRAND FREESIA
PURITY.

The magnificent giant, white Freesia, when once tried, will always be grown. Write for prices. Delivery in July.

RUDOLPH FISCHER,
SANTA ANITA, CAL.

Lily of the Valley
MANN'S EXCELSIOR

Are the finest in existence and their flowers bring the best prices in the London market. For quotation please apply to

OTTO MANN, Leipzig Saxony, Germany

Lilium Philippensis
$2 75 per 100; $25.00 per 1000
MANGOWOOD FLORAL CO.,
MANILA, PHILIPPINE ISLANDS.

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,
Successors to L. K. Peacock, Inc. ATCO, N. J.

ESTABLISHED IN 1824.
Bridgeman's Seed Warehouse
RICKARDS BROS., Props.,
37 East 19th St., bet. Broadway and 4th Ave., New York
Telephone: 4235 Gramercy.

Western Headquarters For
Finest Cold Storage Valley Pips.
$14.00 per 1000: $1.75 per 100.
Every case guaranteed.
Fancy Cut Valley Always on Hand.
H. N. BRUNS,
1407-1411 W. Madison St. CHICAGO.

Allan's Admiral Dewey

We wish to call especial attention to our Admiral Dewey Pea which has already taken the front rank in all the list of large podded, long-vined peas, and is today recognized as the best in its class by the leading trade in America and we have never yet been able to supply the quanity demanded. Remarkably healthy, vigorous and productive, it is almost entirely free from sports and in that respect is far ahead of any other large podded pea we have ever grown. Pods of the largest size frequently six inches in length, straight, rounded at the point, deep green in color, and most beautifully shaped, well filled with large peas that are a deep green color and of the richest flavor. We unhesitatingly claim this to be the best pea of all its class. Seed large, green, wrinkled; height, 3½-ft.

No wholesale or retail dealer can well afford to leave this pea out of their list.

The John H. Allan Seed Co.
SHEBOYGAN, WIS.

Proceedings

Of the Congress of Horticulture held at the Jamestown Exposition, September 23, 1907.

Linen Bound. 108 pages. Price 25c.

This publication includes the formal adddresses and discussions of the papers read at the meeting which covered the various phases of Horticulture This meeting was pronounced by Horticultural authorities as one of the greatest Horticultural meetings ever held in a single day. For copies address

H C. IRISH, Secretary
National Council of Horticulture, Missouri Botanical Garden. St. Louis, Mo.

Always mention The American Florist when you order stock. : : :

The Nursery Trade

American Association of Nurserymen

J. W. Hill, Des Moines, Ia., President; C. M. Hobbs, Bridgeport, Ind., Vice-President; George C. Seager, Rochester, N. Y.. Sec'y. Thirty-fourth annual convention to be held at Rochester, N. Y., June, 1909.

THE American Peony Society's annual convention and exhibition report will be found on page 1127.

THE annual meeting of the Pacific Coast Association of Nurserymen will be held at North Yakima, Wash., July 8 and 9.

JOHN W. ADAMS, senior member of the firm of John W. Adams & Co., Springfield, Mass., celebrated his eightieth birthday June 20.

HUGH LOW & Co., the well known English nurserymen, advise us that in all probability the finest lot of new roses distributed in Europe in the last two or three decades will be sent out this season.

Clematis Paniculata.

ED. AMERICAN FLORIST:

It may interest you to know that the Clematis paniculata which was exhibited at Milwaukee during the annual convention of the American Association of Nurserymen were plants dug last fall, cellar-stored over winter and put in cold storage at the approach of warm weather this spring, and they were put on exhibition in Milwaukee in perfect condition June 10 after being out of the ground not quite seven months. These plants have since been set out and are growing nicely.

JACKSON & PERKINS CO.

Bridgeport, Ind.

C. M. Hobbs & Son write under date of June 6. "Our business, both last fall and this spring, has been very satisfactory; in fact, above what we had expected. We had a comparatively small brush pile this season to what we sometimes have. Collections are coming in better than usual. The rainy season delayed us some, but we are beginning to see the end now. We do not know that we ever saw young stock put on growth more rapidly than it is at the present time.

"Prospects appear good for the future. Sales for fall up to this time are very good, and think we will find ourselves short on many varieties before the coming packing season is over, owing to the scarcity of stock, especially in apple. We think there is a great future for the nursery business in this section, especially for the next two or three years."

Western Association of Nurserymen.

The semi-annual meeting of the Western Association of Nurserymen will be held at the Coates House, Kansas City, Mo., July 8 and 9, when the following papers will be presented: "Can Commercial Fertilizers Be Used Profitably in Our Western Nurseries?" by Geo. H. Johnson; "Would a National Inspection Law Be a Benefit to the Wholesale Nurseryman?" by W. P. Stark; "Budding from Scions of Previous Season's Growth Held in Cold Storage: Can It Be Successfully Done?" by Herbert Chase; "Aphis Resistant Stocks," by D. S. Lake; "Should Shipments of Nursery Stock Be Packed Wet or Dry to Escape Damage from Freezing?" by E. S. Welch; "What I Learned at the Milwaukee Meeting That Is of Interest to the Western Association," by E. H. Sherman; "Effect of the Long Rainy Season on Nursery Stock," by R. J. Bagby; "Scarcity of Apple and Cherry," by A. Willis; "Can We Decrease the Labor Cost Doing More with Horses and Improved Tools and Less with Hand Labor?" by G. A. Marshall; "Does the Tariff Sufficiently Protect the American Nurseryman?" by E. Moncrief; "Are the Laws for the Destruction of Insect Enemies Meeting or Likely to Meet the Hoped-for Results?" by F. H. Stannard; "The Seedling Outlook," by A. L. Brooke.

National Inspection Law.

Orlando Harrison, Berlin, Md., committee on above, presented the following report at the convention of the American Association of Nurserymen, Milwaukee, June 10-12.

The subject of a national inspection law is one that should receive the attention of every nurseryman. It has been said that a poor law is better than none, and I think we all agree that it is better to have a law enforcing inspection for the benefit of all the fruit growers, entomologists and the nurserymen. The question now is: Do you want two laws—one operated by the state, and the other operated by the government from Washington, like the pure food and seed laws are now enforced? Who is to be supreme, the state or the government, in enforcing them?

At the recent conference of the governors of the various states at Washington, D. C., it was made clear that the states, so far as their governors were concerned, are scrupulously opposed to relinquishing to the federal government any of the powers reserved to them under the constitution. Practically every governor present went on record in favor of the states exercising their power to the fullest degree, but in doing this they also made it clear that they, likewise, favored the exercise by the federal government in the fullest sense of all the powers delegated to it by the states through the constitution. The consensus of opinion seems to be that the states must do their work—the nation its work.

WHEN FEDERAL POWER SHOULD PREVAIL.

President Roosevelt has gone on record as recognizing the rights of the states, and says in matters that relate only to the people within the state, then the state is to be sovereign and it should have the power to act. If the matter is such that the state itself cannot act, then he pleads on behalf of all the states that the national government should act.

EACH MUST EXERCISE ITS POWER.

Wm. Jennings Bryan says he is jealous of any encroachment upon the rights of the state, believing that the states are indestructible, as the union is indissoluble, and it is just as imperative that the general government shall discharge the duties delegated to it as it is that the states should exercise the powers reserved to them. He further says: "Nothing that is necessary is impossible." Without state rights we would have no government. Eliminate state rights and you have nothing.

ADVANTAGES OF A NATIONAL LAW.

One thing that could be gained in a national law is to outline a standard law and ask that all the states amend their laws to conform to that as far as practicable. We must remember that the United States government has no power except that which is given to it by the states. Now, it must be taken for granted that the American nurserymen thought it necessary that something should be done or this committee would not have been named. I have diligently tried to work out some plan whereby we could all work under one law and all states share alike.

STATE LAWS WILL REMAIN IN FORCE.

If we have a national law it is quite evident that the state laws will remain in force, but it is possible that the Secretary of Agriculture conduct the inspection of nurseries through the present state officials, thus allowing only one inspection of our nurseries, which is desirable; on the other hand, it is not desirable that we have two inspections by separate parties.

MEETING OF THE COMMITTEE.

I attended the meeting of the American Association of Horticultural Inspectors and Economic Entomologists held in Chicago, December 27-28. Before going to the meeting I sent out 88 letters to the largest growers of nursery stock in the association and received 60 replies, the majority of which favored a national law. You are all familiar with the resolutions passed by the inspectors and entomologists, which have been published by the trade papers:

RESOLVED: (A.) That the Secretary of Agriculture should be empowered to make regulations governing importations liable to harbor insect pests or plant diseases; to be accompanied by a certificate of a duly accredited entomologist of the country, in which said shipments originate, or in the absence of such certificate to make inspection of such shipments by competent agents at point of destination and that sufficient appropriation be made for this purpose by congress.

(B.) That congress be asked to enact a law empowering the Secretary of Agriculture to issue certificates of nursery inspection as nearly uniform as possible to all nurseries in the United States engaging in interstate trade, upon proper inspection of such nurseries by duly authorized representatives of the United States Department of Agriculture for that purpose, and that sufficient appropriation be made therefor. That all states or territorial officials in charge of nursery inspection be urged to accept the certificates at their face value, and that in states where laws are now enforced which will not allow the acceptance of such certificates, the inspection department be requested to endeavor to secure such state legislation as will make this possible.

(C.) That congress authorize the Secretary of Agriculture to proceed to exterminate or control imported insect or plant diseases or any insects previously native to a restricted locality, but which may become migratory and threaten the whole country, whenever in his judgment it is practicable, and that an appropriation be made for this purpose as a reserve fund for emergency use against any such pests which may arise.

(D.) The Joint Committee proposes to have two bills prepared for introduction in congress. One of these, "Embracing the subject matter of section A and B and the other only embracing the subject matter of section C; and that if the passage of both measures be found impracticable or impossible, then all efforts be concentrated in the attempt to secure the passage of the bill involving the certification and inspection of imports and the control of nursery stock shipments entering into inter-state trade as above outlined."

THE NURSERYMAN'S SIDE.

I said: "The nurserymen are anxious to co-operate with you in combating, controlling and stamping out, if possible, the insect pests and diseases which are liable to be found in the nursery. We realize that it is our duty to our customers and to the man in authority who issues the certificate that they be placed in the proper light with each other and with the grower in issuing the certificate from one state to another. Yet it does seem to us that more stress should be laid by the inspectors upon the neglected orchards near a nursery."

ENTOMOLOGISTS.

I wish it clearly understood after being with the horticultural inspectors and economic entomologists twice at different meetings I find they are a class of high-grade men and are endeavoring to the best of their ability to bring about uniformity in their inspection work as far as possible. They have their troubles as well as the nurservmen and are trying to solve the problem now before us.

On my return from Chicago I found several letters from influential nurserymen denouncing most emphatically that any action should be taken without further consideration, and presenting the whole matter before the nurserymen at

PEONIES.

For September and October Delivery. Strong, Undivided, Transplanted Clumps.

Festiva Maxima, extra white.
Festiva, drop white.
Boule de Neige, late white
Duchesse de Nemours pure white.
Duke of Wellington, sulphur white.

Mme. de Verneville, pure white.
Edulis Superba. soft pink.
M. Jules Elie, extra pink.
Louis Van Houtte, bright red.
Dr. Bretoneau, pink.

Golden Harvest, extra.
Faust, extra fine shape.
Felix Crousse, bright red.
Rosea Superba (new), earliest, best pink officinalis.

Several of these varieties answered the roll call after the severe test of April and May weather this year. All plants are **guaranteed to be true to name and description. No plants sent out unless they have shown flowers at our nurseries.** Enormous stock of advertised and other kinds enables us to sell at prices no European or American house cares to meet. For descriptive catalogue apply to

H. FRANK DARROW, Sole Agent for **H. M. HARDYZER,**
26 Barclay St., New York, **Boskoop, Holland.**

Peony Surplus List
NOW OUT.
Send for one. Low prices. Fine stock.
PETERSON NURSERY,
Lincoln and Peterson Avenues, CHICAGO

VIBURNUM PLICATUM
All sizes up to 4 ft., **AT A BARGAIN.**
— Write for prices.—
THE CONARD & JONES CO.,
WEST GROVE, PA.

BOBBINK & ATKINS,
Rutherford, N. J.,
Bay Trees, Palms, Buxus, Azalea Indica, Rhododendrons, Evergreens, Herbaceous Plants, Roses, Trained Fruit Trees, Greenhouse Grape Vines. Ask for catalogue.

this meeting. I consulted several leading nurserymen and their advice was that every member of the association should be heard.

On May 12 I sent out 460 letters and have received replies from 225, of which 170 have asked for a national or uniform law, 12 against and five neutral. Of the entomologists or inspectors, 31 are favorable and two are opposed. While many want a uniform law, they want only one law, and some do not want a national law. But few who ask for a national law offer any suggestions. I give you a few hints from some of the letters received.

FROM NURSERYMEN WHO FAVOR IT.

"I have for years thought that there ought to be inspectors at every port of entry to the United States. Of course they could not carefully inspect the contents of every case unless there were strong suspicions, but think they could do a great deal to awaken people elsewhere.

"Then I believe there should be other inspectors to inspect the stock at the nurserymen's place before it is distributed all over the country. Just think what a benefit it would have been to the country if there had been such an inspector in California before the scale was carried all over the country."

"I favor a national uniform inspection law. I think the gains would be impartiality and uniformity of inspection. This I think would soon bring about modification of the practices in different states, rendering it easier and safer to do inter-state nursery business."

"I favor a national law because this will place all nurserymen upon an equal basis and do away with the endless delays and troubles on account of the various state laws."

BOX TREES.

Beautiful shapely plants in fine condition and in nice green tubs.

PYRAMIDAL.

	Each	Per Pr.		Each	Per Pr.
3½-ft high	$ 3.00	$ 6.00	5 -ft high	$ 7.00	$13.00
4 -ft high	4.00	7.00	6 -ft high	8.00	15.00

STANDARD OR TREE SHAPED BOX.
Full, compact, well shaped.

	Each	Per Pr.
24-inch clear stem, crown 18 to 20 inches	$ 2.50	$ 4.50
24-inch clear stem, crown 24 inches.	3.50	7.00
18-inch clear stem, crown 34 inches.	4.50	8.00
24-inch clear stem, crown 34 inches.	6.00	10.00

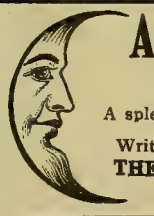
Vaughan's Seed Store, 84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.
Greenhouses and Nurseries: Western Springs, Ill.

PEONIES
Plants for Fall Delivery

Plant such varieties as will keep when market is overstocked. For prices write

GILBERT H. WILD
SARCOXIE, MO.

LARGE TREES.
OAKS and MAPLES.
PINES and HEMLOCKS.
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA



ARBOR VITÆ
(Thuya Occidentalis.)
A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.
THE WM. H. MOON CO.,
Morrisville, Pa.

AZALEAS (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Coniters, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Jacs Smits, Ltd. NAARDEN, (Holland.)
Price list free on demand.

THE
Storrs & Harrison Co.
PAINESVILLE NURSERIES.
CATALOGUES AND PRICE LISTS FREE ON APPLICATION.....
PAINESVILLE, OHIO.

NOW READY
1908 EDITION **Trade Directory.**

AGAINST A NATIONAL INSPECTION LAW.

"If national inspection is desired it should include not only nurseries, but orchards, and compel all to keep clear of all kinds of pests."

"We favor a law that would be equally as stringent upon the fruit grower as well as the nurserymen and all others who own trees of any kind."

"The writer has recently had a hearing in Washington in regard to a proposed seed law and is none too strong for legislating any industry into federal restrictions or penitentiary penalties and bureaus. The only use for a national law is as a guide for state law makers, and if it is to be such, the same should be most conservatively and carefully considered. Every person interested commercially should be given an opportunity to be heard.

"The present idea of pernicious activity in federal legislation which will soon put every business man in many unprotected and defenseless industries into the position of working under the possibilities of a prison sentence is not an ideal occupation, in my judgment, for our congressmen."

"We certainly are not in favor of the nurserymen spending any time or money in trying to procure a national uniform inspection law.

"Congress has no power whatever to change the different state laws and all shipments made would be subject to the different state laws just as soon as they crossed the state line.

"If we could have had a national law passed years ago before all the states had passed their own different laws, we think it would have been a good thing, but so far as we can now see, it would be simply putting one more burden upon the shippers, with no corresponding benefits. We would simply have the provision of a national law to comply with in addition to the provision of every state into which we may be shipping.

"We do not know that we have any objection to a national uniform law only as stated above, and we should be very much afraid that there would not be an appropriation made so that all nurserymen could have their nurseries inspected. We think at the stage to which the matter has now arrived, it would be a good deal better to devote our energies to getting the state laws somewhat more uniform than to try to have a national bill passed."

"If all the state laws were abolished or amended to conform to the national law that would be all right, but they will not amend or abolish because that would be looked upon as interference with that time honored proposition of 'states' rights.'

"If we could have a good national law to cover the whole business and all state laws out of the way, it would be a great gain, but as it appears to me, it would make further complications just now to try to have a national bill passed; we might have a national law to cover importations from foreign countries, provided it could be made to harmonize with the present state laws. As the matter stands, I do not feel that there is much to gain in the proposed legislation."

Summing up the whole matter, the last letter puts it in a nutshell, and it is now for you to decide:

First. If all state laws were abolished or amended to conform to a national law that would be all right.

Second. They will not amend or abolish.

Third. What are we to gain by adding another law?

Fourth. Will it help the entomologists and inspectors in doing more efficient work or help the fruit growers by adding another inspection?

DREER'S SPECIAL OFFER OF

Hardy Herbaceous Peonies.

We are now booking orders for delivery during the latter part of September and October for the following select list of

Double Peonies

of which we have an exceptionally large stock of our own growing, strictly true to name, all in strong divisions, with from 3 to 5 eyes each.

Note reduction in price of many of the higher class varieties compared to former offers:

	Per doz.	100.	1000.
Alba Plena—A useful white cut flower variety	$1.50	$10.00	$ 90.00
Andre Lauries—A fine tyrian rose; late	.85	6.00	50.00
Alex. Verschaffelt—Bright reddish violet tipped, white	2.00	15.00	
Amabilis Lilacina—Pale lilac white, changing to pure white	.85	6.00	50.00
Baroness Rothschild—Violet rose with lighter shadings	1.25	8.00	75.00
Bicolor—Violet rose, with white center	.85	6.00	50.00
Chrysanthemiflora Rosea—A fine, large, deep rose-pink, with paler shadings in the center; a fine cut flower	.85	6.00	50.00
Duc de Cazes—Guard petals tyrian rose; center soft rose-pink; a beautiful formed flower, useful for all purposes	1.25	8.00	75.00
Duchesse de Nemours—An extra fine, large, pure white	3.50	25.00	
Delachei—Brilliant crimson maroon, late	1.50	10.00	90.00
Festiva Maxima—Pure white, center petals occasionally tipped red; this is the very large white variety, the most popular for cut flowers	2.00	15.00	140.00
Festiva Alba—Popular white for cutting	1.50	10.00	90.00
Floral Treasure—Clear pink, fragrant	2.50	20.00	
Grandiflora Alba—Large, pure white, with creamy white center	2.00	15.00	
Grandiflora Rosea—Brilliant rosy carmine, large and double	2.50	20.00	
Grandiflora Rubra—Deep crimson carmine, large and full	1.75	12.00	
Humei Rosea—Beautiful pale rose, flowers of immense size, late	1.50	10.00	90.00
Lady Bramwell—A beautiful silvery rose of large size and fine form	1.50	10.00	90.00
Louis Van Houtte—Brilliant crimson maroon, of good size and very free-flowering	1.50	10.00	90.00
Ne-plus-ultra—Violet rose guard petals, center mauve rose with lighter edges	1.00	7.00	60.00
Potsii Rosea—Light solferino red with lighter center; a medium sized but well-formed flower and very free	1.50	10.00	90.00
Prolifera Tricolor—Flesh white with amber yellow center	1.25	8.00	75.00
Psyche—Bright violet rose with lighter center	.85	6.00	50.00
Rosea Superba—Fine silvery rose of large size	1.25	8.00	75.00
Reine des Roses—Soft violet rose, large double flower	2.00	15.00	
Rosea Elegans—Guard petals silvery rose; center creamy white, suffused with rose; a fine, large flower	1.25	8.00	75.00
Victoire Tricolore—Guard petals delicate lilac rose, center light salmon yellow	1.25	8.00	75.00
Victoire Modeste—Bright lilac rose, with full center of amber white	1.50	10.00	90.00
Whitleyi—A fine, early white	1.50	10.00	90.00
Zoe Calot—White, suffused with delicate rose	1.50	10.00	90.00

Peonies in Mixture.

Double White, mixed sorts	.85	6.00	50.00
Double Pink, mixed sorts	.75	5.00	40.00
Double Red, mixed sorts	.85	6.00	50.00
Double Mixed, all colors	.70	5.00	40.00
Single Mixed, all colors	1.25	8.00	75.00
Single Pink, mixed sorts	.85	6.00	50.00

Peonies Early Flowering

Ready about October 25.

Officinalis (Mutabilis) **alba,** blush white	1.50	10.00
" " **rosea,** soft bright pink	1.50	10.00
" **Rubra,** crimson	1.00	7.00
Tenuifolia flore pleno, crimson	3.00	22.50

OUR NEW WHOLESALE CATALOGUE, CONVENTION NUMBER, has just been mailed. It contains a complete list of seasonable stock, including Decorative Plants, Flower Seeds, Bulbs, etc., etc. If you have not received a copy, drop us a postal card and we will send you one.

HENRY A. DREER, 714 Chestnut St, **Philadelphia**

Plants from 3-in. Pots at $3.00 per 100

Dwarf Alyssum, Ageratums, Princess Pauline, Blue Perfection, Bouvardia Humboldtii, Gazania Splendens, Cupheas, Salvia Bonfire, Rosemary, variegated Periwinkle. Moschosma riparium, Swainsona alba, Euonymus radicans, Fuchsias, in bud and bloom, 4 varieties, Geraniums, best commercial varieties. Heliotrope, dark blue, Gazania splendens, Rose and Peppermint Geraniums, Moonvine, the true white large flowering.

Geraniums, in bud and bloom, 4-in. pots, $5.00 per 100.

Seedlings from Flats $1.00 per 100. Asparagus Sprengeri, Dracaena Indivisa.

Clematis, large flowering varieties, 2-year-old plants, red, purple and white, $3.00 per dozen. Clematis paniculata, 3-in. pots, $5.00 per 100.

Honeysuckle, Halleana and Red Trumpet, strong plants, $1.50 per dozen, $10.00 per 100.

Ampelopsis Veitchii, 4-in. pots, 2-year-old plants, $1.50 per dozen, $10.00 per 100; 3-in. pots, $5.00 per 100.

Ivy, hardy English, 4-in. pots, $1.50 per dozen $10.00 per 100.

Coleus and **Althernantheras,** 2½-in pots, $2.00 per 100.

Cash with order please.

C. EISELE, 11th and Westmoreland Sts. **PHILADELPHIA, PA.**

ROSES

Own Roots.

Strong, healthy stock, propagated from grafted plants. We must dispose of these at once to make room for planting.

	Per 100	Per 1000
Brides, Maids, Killarney, Richmond	$ 4.00	$ 35.00
Grafted Killarney, 3-in., strong stock	12.00	100.00
Mme. Chatenay, 4-in., extra fine	5.00	45.00

S. J. REUTER & SON
WESTERLY, R. I.

WE STILL HAVE A FEW HUNDRED

Brides, Maids, Killarney, Chatenay and Richmond,

in 3-inch, goods that are worth the money. It will pay you to send for sample of these at once. Anything you need in that line, the small difference of a cent would not deter you from buying if you saw the stock. Get your order in promptly, as everything is filled in strict rotation.

Notice Our Fern List in Last Week's Issue

We have always got something that will interest you in Ferns of every description. Make fine window displays during the summer months. Write

GEO. A. KUHL, Pekin, Ill.

ROSE PLANTS

On own roots. Send for list.

C. M. NIUFFER, Springfield, Ohio

SPECIALTIES.

ROSES from 3-inch pots. **CHRYSANTHEMUMS.**
CARNATIONS, for fall delivery. **SMILAX. VIOLETS.**

IN BEST VARIETIES.

Prices low. Send for list.

WOOD BROTHERS, Fishkill, N. Y.

MILWAUKEE, WIS.—Walter H. Hummell, a landscape gardener, June 13, identified a corpse at the morgue as that of his employe, Frederick Laft, who had been missing since May 30. The body was picked up in the harbor by the life saving crew.

Assorted Ferns for Fern Dishes

$3 00 per 100.

Adiantum Cuneatum, 4-in..... $ 1 50 per doz.

FICUS ELASTICA.

4-inch	$3.00 per dozen
5-inch	4 20 per dozen
6-inch	6.00 per dozen

KENTIAS

	Pots	Leaves	Hght.	each	doz.
Kentia Forst.	5-in.	4-5	20-24-in.	$ .75	$ 9.00
"	6-in.	4-5	24-28-in.	1 00	12 00
"	6-in.	4-5	24-30-in.	1.25	15 00
"	7-in	5-6	24-36-in.	2 50	30 00
"	8-in	5-6	36-40-in	3 00	36 00
"	9-in.	6-7	48-54-in.	5 00	60.00
Made-up Kentia 3 in a pot				5.00	60 00
Kentia Bel.	5-in.	5-6	18-20-in.	.75	9.00
"	5-in.	5-6	20-24-in.	1 00	12 00
"	6-in.	5-6	20-24-in.	1 50	18 00
"	7-in.	5-6	24-26-in.	1 75	21.00
"	7-in.	6-7	24-28-in.	2 50	30 00
"	8-in.	6-7	30-36-in.	4 00	48 00
"	9-in.	6-8	36-48-in.	6.00	72.00

Phoenix Canariensis

Fine for vases or out-door decoration. in small tubs, $2.50 each.

Cycas Revoluta.

4-inch	25 cents each
5-inch	35 cents each
6-inch	50 cents each
7-inch	75c to $1.00 each
8-inch	$1.25 to $1.50 each

If we do not confine ourselves to the exact size of pot specified, we shall see that stock of good value for the money is sent on every order.

ARAUCARIAS.

We have a special fine lot of Araucarias—the plants at $1.00 each are extra value for the money.

4-inch	35 cents each
5-inch	75 cents each
6-inch	$1.00 each

Bride Roses

From 3 in pots, good strong stuff for planting..... $3 00 per 100

THE GEO. WITTBOLD CO., 1657 Buckingham Place, CHICAGO.

Cannas.

F Vaughan, Pennsylvania, Kate Gray, Chas. Henderson, Fair Hope, J. D. Eisele, David Harum, Pres. Vigar, Alsace, Mlle. Berat, Allemania, 3-in. pots $5.00 per 100; $40.00 per 1000; strong plants, started in sand $3.00 per 100; $25.00 per 1000.

Coleus.

Strong plants from 2¼-in. pots in 10 best bedding and fancy varieties $2 00 per 100; $18.00 per 1000.

Boston and Elegantissima Ferns

We still have a large stock of well grown plants, in 3- and 4-in. pots at $6.00 and $12.00 per 100.

W. W. COLES,
Kokomo, - Indiana.

Orchids!

Arrived in excellent condition: Cattleya Trianæ, C. labiata, C. Mossiæ, Oncidium varicosum, Vanda cœrulea, Dendrobium formosum and D. Dalhousianum.

Lager & Hurrell, Summit, N. J.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World.

SANDER, St. Albans, England.

NEW YORK OFFICE: Room 1, 235 Broadway. **T. MELLSTROM,** Agent.

ORCHIDS.

ARRIVED in fine condition, a fine importation of C. Trianæ, C. Labiata, C. Schroederæ, C. Gigas Sanderiana, C. Harirsoniæ, C. Citrina, Lælia Anceps. Cnc'dium Varicosum Rogersii, Onc. Ornithorhynchum, Onc. Tigrinum, Odontoglossum, Insleayi, O. Rossii Majus.

We carry Orchid Peat, Sphagnum Moss, Baskets, etc.

CARRILLO & BALDWIN, Secaucus, N. J.

New Ampelopsis "Lowii"

The beautiful fine leaf, self clinging variety, whose apple-green leaves change to brillant red in autumn.

New Roses. We have some wonderful novelties this season particulars of which will be sent on application.

New Plants Those in search of sterling new introductions only should write us for our special list.

Introducers and raisers of the lovely

"Salmon King" Cyclamen and Schizanthus Wisetonensis.

HUGH LOW & CO.,
EXPORT GROWERS.
Bush Hill Park, Middlesex, England.

PLANTS, 1½c

All from 2-inch pots.

Swainsona alba, Coleus, Feverfew (dbl, white), Shasta Daisy (two kinds), Dbl. Petunia, Sweet Alyssum (single), Thunbergia, Smilax, Celestial Peppers, Geraniums (Ivy Rose, Nutt, Dbl. Grant, Gen. Grant, Buchner, Viaud, etc.), all above, 2 and 2½-in. stock, at 1½c.

Asters, separate colors, Semple's, $2.50 per 1000.

ROOTED CUTTINGS, prepaid per 100: Vinca Variegata, 90c. Alternanthera, 3 kinds, 50c. Coleus, 10 kinds. Salvia, Bonfire, 90c.

Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

ORCHIDS.

Arrived in Fine Condition: C. Mossiæ, C. Gaskelliana, C. Speciosissima and C. gigas Sanderiana.

Also others in a few days.

ORDONEZ BROS., Madison, N. J.

PLANT BARGAINS

Fuchsia, 5 finest kinds, 2-in., 1½c; R. C., $5.00 per 1000. **Coleus,** good bedders, 2-in., 1¼c; R. C., $4.00 per 1000. **Asters,** Branching, $2.00 per 1000. **Tomatoes,** Stone and Trophy, nice, 75c per 1000. Cash.

SHIPPENSBURG FLORAL CO. Shippensburg Pa.

—ROSES—

splendid one and two-year-old grown for summer planting.

Hardy H. P's etc.

	2½-in. 100	2½-in. 1000	4-in. 100
Baby Crimson Rambler	2.50	25.00	5.00
Ball of Snow	3.00	30.00	
Hermosa (Bourbon)	2.75	27.50	5.00
Madame Masson			5.00
Madame Plantier			5.00
Magna Charta			5.00
Margaret Dickson	4.00	40.00	7.00
Moss, red, pink, and white	4.00	40.00	8.00
Paul Neyron	3.50	30.00	5.00

Hardy Climbers.

Baltimore Belle	2.50	25.00	5.00
Crimson Rambler	2.50	25.00	
Dorothy Perkins	2.50	25.00	
Philadelphia Rambler	2.50	25.00	
Pink Rambler (Euphrosyne)	3.00	25.00	5.00
South Orange Perfection	2.50	25.00	8.00
Tennessee Belle	2.50	25.00	5.00
Universal Favorite	2.50	25.00	8.00
Wichuraiana (Memorial)	2.50	25.00	

Hybrid Teas.

Bessie Brown	2.75	27.50	6.00
Etoile de France	3.50	35.00	
Kaiserin Augusta Victoria	3.00	30.00	
KAISERIN GOLDIFOLIA	15.00	125.00	25.00
Striped La France	3.00	27.50	6.00
White La France			6.00

Teas.

Bougere	2.50	22.50	8.00
Etoile de Lyon	3.00	27.50	
Mme. Lambard	2.75	27.50	8.00
Mlle. Francisca Kruger	2.50	25.00	
Maman Cochet (Pink)	3.00	27.50	
Sunrise	4.00	35.00	6.00
Sunset	3.50	35.00	9.00
White Bougere	2.75	27.50	

Climbing T., H. T. and N.

Climbing Kaiserin	3.00	27.50	
Empress of China	2.50	25.00	6.00
Mme. Wagram	3.00	30.00	6.00
Marechal Niel	3.50	30.00	10.00
Mary Washington	2.50	25.00	6.00

Vinca Variegata.

Extra, 2½-in., $2.00 per 100; $17.50 per 1000; strong, 2-in., $1.50 per 100; $15.00 per 1000.

THE LEEDLE FLORAL COMPANY, SPRINGFIELD-OHIO

100,000 Chrysanthemums

FINE, VIGOROUS STOCK.

WHITE—Byron Ivory, Bonaffon, Jones, J. J. Mitchell, Nonin, Polly Rose, Touset. **PINK**—Maud Dean Minnie Bailey, Dr. Enguehard. **YELLOW**—Appleton, Bonnaffon, Jones, Wedding, $2.50 per 100; $20.00 per 1000.

Golden Gate Roses, 4-in.	per 100,	$8.00
2000 Ivory Roses, 3-in.	"	5.00
2000 Kaiserin Roses, 3-in.	"	4.00
1000 Kaiserin Roses, 3½-in	"	8.00
1000 Pink and White Cochet, 4-in.	"	8.00
500 Perles, 3-in.	"	5.00

—— CASH.——

Brenneman Floral Co., Eleventh and Reilly Sts. HARRISBURG, PA.

1-yr.-old Bench Plants

Beauties, $5.00 per 100; $40.00 per 1000.

From 3-in. Pots

Beauties, $5.00 per 100; $40 00 per 1000
Poinsettias 4 00 per 100; 35 00 per 1000
Smilax, $3.00 per 100; $25.00 per 1000

No order for less than 100 accepted.

GEORGE REINBERG

35 Randolph St., CHICAGO.

CORNING, N. Y.—W. J. Cheney has sold to Dr. F. H. Starr the two greenhouses at 256 West Pulteney street, for removal to the Reynolds property nearby. The work of removing the greenhouses has already been begun. Dr. Starr has arranged with Eugene Dusenberre to conduct an up-to-date florist's establishment, using the glass from the older greenhouses in the new structures. These will be fitted with every modern convenience.

Rose Plants

From 2½-inch Pots.

	Per 100	1000		Per 100	1000
Bride	$2.50	$22.50	Sunrise	$4.00	$35.00
Bridesmaid	2.50	22.50	Kate Moulton	4.00	35.00
Uncle John	2.50	22.50	Richmond	2.50	22.50
Ivory	2.50	22.50	Killarney	5.00	40.00
Chatenay	2.50	22.50			

Bench Plants

	Per 100	1000
Richmond	$4.00	$35.00
American Beauty	6.00	50.00

CHRYSANTHEMUMS

From 2½-in. pots. $2.50 per 100.

White—Ivory, Chadwick, Timothy Eaton, Yanoma, Touset, Estelle, White Bonnaffon. **Pink**—Dr. Enguehard, Ivory. **Yellow**—Monrovia, Bonnaffon, Col. Appleton, Yellow Eaton. **Bronze**—Black Hawk

PETER REINBERG

51 Wabash Ave., CHICAGO.

ROSES. ROSES.

Mrs. Potter Palmer 2½-in. strong, $15.00 per 100; $125.00 per 1000; 2000 or more $115.00 per 1000. 3½-in, $18.00 per 100; $150.00 per 1000.

Cardinal 2½-inch $6.00 per 100; $55.00 per 1000. 3½-inch $8.00 per 100; $75.00 per 1000.

AMERICAN BEAUTIES.

2-in.	$5.00 per 100;	$45.00 per 1000	
2½-in.	$5.50 per 100;	$50.00 per 1000	
3-in.	7.00 per 100;	65.00 per 1000	
3½-in	8.00 per 100;	75.00 per 1000	
4-in.	$12.00 per 100;	$110.000 per 1000	

Maids, Richmond, Sunrise, Uncle John, 2½-in. strong stuff, $4.50 per 100; $40.00 per 1000.
3½-in. Maids, Kaiserin, ready May 20th, $6.50 per 100; $60.00 per 1000.
Benched Beauties, cut back, $6.50 per 100; $55.00 per 1000.

ASPARAGUS.

Comorensis—3-in., $6.00 per 100; $50.00 per 1000
Plumosus 4-in., $10.00 per 100; 6-in., 20.00 per 100
Sprengeri, 2-in. $25.00 per 1000, ready July 15;

CHRYSANTHEMUMS.

Best list of commercial varieties. See classified ad., page 1

SMILAX, 2-in, $25 00 per 1000. ready July 15.

FERNS, 5-in. Amerpohli, $25 00 per 100.
2-in. " 8.00 per 100.

Cash with order. Short time only.

SNAPDRAGON, Pink and yellow, clear colors, 2½-in. $3.00 per 100.

POEHLMANN BROS. CO., Morton Grove, Ill.

ANDREW CARNEGIE

(SCARLET HARLOWARDEN)

Field-grown plants for Fall delivery, $12.00 per 100; $100.00 per 1000.

Send for list of other varieties we will have ready for August 15th delivery.

Chicago Carnation Co., A. T. PYFER, Mgr., Joliet, Ill.

Up to Date Directory

Giving all the Country's

Florists
Seedsmen
Nurserymen

PRICE $3.00.

Chrysanthemums

FOR EVERY PURPOSE.

A partial list with prices appeared in previous issue.

ELMER D. SMITH & CO.,

Successors to Nathan Smith & Son,

ADRIAN, MICH.

Chrysanthemums

3,000 Appleton, 500 each of T. Eaton, Yellow Eaton, Monrovia, W. Duckham, Cheltoni, Pacific, Nellie Pockett, F. A. Cobbold, 1000 Mrs. W. Duckham, 500 Garza, now ready, in 2¼ in. pots, $3.00 per 100, $20.00 per 1000.

Many other kinds in smaller quantity.

CHARLES H. TOTTY,

Madison, N. J.

ROSES. STRONG, CLEAN STOCK.

Grafted Killarney, Richmond, Brides, and Maids $12.00 per 100; $110.00 per 1000. Own-root Brides Maids, Gates, Ivory, Perle, Killarney and Richmond $6.00 per 100; $55.00 per 1000.

All from 3½-in pots.

P. R. QUINLAN, SYRACUSE, N. Y.

JOHN E. HAINES,

BETHLEHEM, PA.,

is the place to order field plants of the following varieties; will be ready by Aug. 1:

	Per 100	1000
John E. Haines, red	$6.00	$50.00
Imperial, variegated	6.00	50.00
Pink, Pink	6.00	50.00
Enchantress, Light pink	6.00	50.00

ROSES

A SPECIATLY.

The Dingee & Conard Co.,

WEST GROVE, PA.

A. F. LONGREN

Rooted cuttings and plants of

CARNATIONS and CHRYSANTHEMUMS

—MY SPECIALTY—

Des Plaines, - Illinois.

AFTERGLOW

Orders now booked for field-grown plants, to be delivered in August and September.

First size....................$14.00 per 100

Second size.................. 12.00 per 100

R. WITTERSTAETTER,

(Originator) Station F, CINCINNATI, O.

ROCHESTER, N. Y.—There are over 200 varieties of peonies grown in Highland Park and these were at their best during the week ending June 20.

A. N. PIERSON, Inc., Cromwell Conn.

GRAFTED ROSES.—Novelties.

Mrs. Jardine, Rhea Reid, Queen Beatrice.

The above, $6.00 per doz., 50 plants for $18.00 $35.00 per 100.

MY MARYLAND, 50c each, $5.00 per doz., $35.00 per 100.

On own roots, 2½-in. pots, $20.00 per 100, 3-in. $5.00 per doz.

STANDARD VARIETIES.

Aurora, Bon Silene, Bride, Bridesmaid, Enchanter, Etoile de France, Franz Deegan, General McArthur, Hermosa, Kate Moulton, La Detroit, Maman Cochet, Marechel Niel, Rosalind Orr, English, Souv. de Wooton, Wellesley, White Cochet.

GRAFTED, 2¼-inch pots, 20c each, $2.00 per doz., $15.00 per 100, $120.00 per 1000.

OWN ROOT ROSES.

From 2½-inch pots, repotted from 2-inch.

Killarney, Bride, Bridesmaid, Ivory, Richmond, Mme. Abel Chatenay, Aurora, $1.00 per doz. $6.00 per 100, $50.00 per 1000.

3-in. pots, $8.00 per 100; $75.00 per 100.

MISCELLANEOUS PLANTS.

Ageratum, Heliotrope, Coleus, Verschaffeltii, Golden Queen, Beckwith's Gem. Prices of rooted cuttings by express, 60c per 100; $5.00 per 1000. Less than 250 of a variety will be charged at the 100 rate.

Golden Bedder, Fancy varieties, a very fine assortment. All of the above bedding plants, 2-in. pots at $2.00 per 100; $15.00 per 1000.

Bouvardia, large white, 2¼-in. pots, $4.00 per 100 $35.00 per 1000.

Asparagus Plumosus Nanus Seedlings.

From flats, $10.00 per 1000.

CHRYSANTHEMUMS.

Ready for Shipment.

Virginia Poehlmann, Angele Laurent, Golden Dome, Mlle. Jeanne Rosette, Money Maker from 2¼-in. pots, $2.00 per doz. $10.00 per 100.

Mrs. Clay Frick, Zimmers Yellow, Mary Mann, from 2¼-in. pots, $1.00 per doz., $6.00 per 100.

Rooted cuttings, $5.00 per 100.

CHOICE POMPONS, Klondyke, Quinola.

CHOICE SINGLE VARIETIES, Kitty Bourne, Mrs. Roberts, Amorita, from 2¼-in. pots, $1.00 per doz.

STANDARD VARIETIES

WHITE—Early; Geo S. Kalb, Polly Rose, Early Snow, October Frost. Mid-Season: Clementine Touset, White Shaw, Mrs. H. Robinson, Beatrice May, Merza, Niveus, Alice Byron, Eureka, Miss Minnie Wanamaker, Adelia, Late: Mrs. McArthur, Timothy Eaton, Merry Christmas.

PINK—Early; Glory of the Pacific, Rosiere, Mid-Season; J. K. Shaw, Adelia, A. J. Balfour, William H. Duckham, Dr. Enguehard, Morton F. Plant. Late: Maud Dean, The Harriott, Mayor Weaver, Mrs James Marshall.

YELLOW—Early: Monrovia. Mid-Season: G. Pitcher, Col. D. Appleton. Late: Major Bonnaffon, H. W. Reiman, Yellow Eaton.

RED—Cullingfordi, Merstham Red, Matchless.

BRONZE YELLOW—Mrs. William Duckham, Old Gold.

POMPONS—Baby (Yellow), Lulu (White).

From 2¼-in. pots, 5c each, 50c per dozen, $3.00. per 100, $25.00 per 1000. Rooted cuttings, $.200 per 100, $15.00 per 1000.

NOVELTIES FOR 1908.

Golden Glow, Pacific Supreme, White Cloud, Golden Eagle, Lynwood Hall, 2¼-in., pots, $5.00 per dozen. Ready for shipment.

Begonia Gloire de Lorraine, strong, young plants, 2¼-in. pots, $15.00 per 100.

KILLARNEY.

2½-in., grafted on briar.................. 10.00 per 100

2½-in., grafted on manetti.................. 12.00 per 100

KAISERIN.

2½-in., very fine plants..........$4.50 per 100; $40.00 per 1000

AM. BEAUTIES.

2½-in., fine young plants..........$50.00 per 1000

BASSETT & WASHBURN,

Greenhouses: HINSDALE, ILL. Store: 76 Wabash Ave., CHICAGO.

Grafted Roses for Forcing

BRIDE, KAISERIN, RICHMOND, BRIDESMAID, KILLARNEY, WELLESLEY } $10.00 per 100 $100.00 per 1000

JACKSON & PERKINS CO.

Wholesale Florists and Nurserymen. Newark, Wayne Co., N. Y.

60,000 Grafted Roses

	Per 100
Chatenay, Killarney, Richmond, Liberty, La France, 3½-in. pots....	$18.00
Bride, Bridesmaid, Golden Gate, Kaiserin, 3½-in. pots....	15.00

OWN ROOT ROSES.

Bride, Bridesmaid, Killarney, Richmond, Chatenay, 3-inch pots, $7.00 and $9.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

Now is the time to place your orders for

Begonia Gloire de Lorraine, Cyclamen and Poinsettias.

I am well equipped to supply the above in any quantity at the following prices:

Begonia Gloire de Lorraine, 2½ in. pots (leaf cuttings), **$15** per 100; **$140** per 1000.

Cyclamen, per 100, 2½ in., **$5**; 3 in., **$7**; 4 in., **$15**; 5 in., **$20.**

Poinsettias, 2½ in., **$5** per 100; **$45** per 1000.

Satisfaction guaranteed.

S. S. SKIDELSKY

1741 N. 18th St., Philadelphia, Pa.

Dracæna Indivisa,

Fine stock for Hanging Baskets.

Strong plants from 3-in. pots, $5.00 per 100; $45.00 per 1000; 250 at 1000 rate.

VICK & HILL CO.

P. O. Box 613, Rochester, N. Y.

100,000 Smilax

Extra fine well hardened stock a bargain at $1.50 per 100; $15.00 per 1000

25,000 Sprengeri from rose pots at $1.50 per 100; $15.00 per 1000.

Deflexus, small $3.50 per 100; 4-inch at $7.00 per 100.

GERANIUMS. orders booked for rooted cuttings fall delivery Nutt, Buchner and Perkins at $10.00 per 1000; Ricard, Poitevine, Castellane and Viaud at $12.50 per 1000.

ALBERT M. HERR,

LANCASTER, - PA.

VINCAS

From 2½-in. pots....$2.00 and $3.00 per 100
From 4-in. pots.....6.00 per 100

Also **GERANIUMS,** mixed, from 4-inch pots, $7.00 per 100. Cash with order.

GEORGE BISCHOFF

ANN ARBOR. MICH.

SPIREA FOR CHRISTMAS BLOOMING.

Strong roots, fine variety, will produce good flowers for Christmas; ready for shipment July 15. Price, $8.00 per 100. Orders for less than 25 roots, 10c each. Cash with order, please.

Dutch Bulbs. Special prices quoted by letter for orders received before July 1st.

J. M. PHILLIPS' SONS, Pittsburg, Pa.

DOWAGIAC, MICH.—Trade has been about as usual here this season. F. H. Woodruff has given up his down-town store and now carries on the business at his residence.

SPRINGFIELD, O.—The members of the Florists' club were pleasantly entertained by Thomas McBeth at his home in East High street. A dinner was served and addresses were made by Judge F. M. Hagan, Judge Walter L. Weaver, Rev. Dr. George W. Dubois, John M. Good and Roger Murphy. George H. Mellen, president of the club, acted as toastmaster. Harry D. Brydon sang and Miss Dora Crist gave several interesting readings.

LOOK OUT!

I Sting! Prices Down!

ROOM! ROOM!!

We Need Room.

LOOK! LOOK! LOOK!

In order to place our big importation of **Palms, Araucarias,** etc., we are slaughtering prices of **Bedding Plants** down to an almost shameful condition of affairs.

Just think? The best variety of **Scarlet Sage,** Clara Bedman or Bonfire, 4-in. pots, of which we generally never have enough at $12.00, that ugly bee above has now stung the price down to $5.00 per 100, $45.00 per 1000; no less than 100 at this price are sold in one order.

	Per 100
Begonia Vernon and Erfordi, 4-in.	$5.00
Fuchsias, 4-in.	6.00
Cannas, French, best well-known varieties, 4-in.	5.00

Clematis, the true Jackmani, 6-in. pots, 3 feet, 35c to 40c.

Cobea Scandens, 4-in., staked up, 2 ft. high, worth $15.00, cut down to $5.00 per 100.

Don't forget that we lead the world in **Moonvines.** Watch and be careful that you don't buy Morning Glories for Moonvines. 4-in., $12.00 per 100; 2½-in., $5.00 per 100.

GERANIUMS.

S. A. Nutt, John Doyle and some pink, 4-in. pots, $7.00 per 100; and mixed varieties.

Mme. Salleroi for borders, strong plants, 2½ and 3-in., $4.00 per 100.

The following plants are cut down to $2.00 per 100, 2½-in. pots:—Marigold (Eldorado and Gold Ring, 3-in.), Petunias (Inimitable and California Giant), Nasturtiums, Heliotropes, Phlox (Drummondi), Dusty Miller, Lobelia (blue compacta and trailing), Summer Chrysanthemums, Sweet Alyssum (Little Gem), Ageratum (best blue, 3-in.), Verbenas, Torenia Fourneri, Kenilworth Ivy.

Victoria Asters, 2½-in. pots, separate colors, $2.00 per 100.

Now is the time to plant **Cosmos.** We have the best improved strain in three separate colors, red, pink and white, three plants in one pot (3-in. pots) strong plants, raised in cold frames. Price: $5.00 per 100.

Solanum, or Jerusalem Cherries. We carry the best improved strain, called the Multiflorum, always laden with big berries. Price: 2½-in. pots, $4.00 per 100.

Boston and Scottii Ferns, 4-in., 20c.

Whitmani Ferns, 4 in., 25c.

Kentia Belmoreana, 5½ to 5½-in. pots, 22-25-27 in. high 50c to 75c; 4-in., 20 to 22 in. high, 35c to 40c. **Forsteriana,** 5 to 5½ in., 50c to 75c. Just received, per steamer Manitou, a consignment of larger **Kentia Forsteriana;** price, $1.00, $1.25, $2.00 to $2.50 each.

Araucaria Excelsa Glauca, spring of 1907 importation, suitable for the lawn and porches, only specimen plants left, 7-in. pots, 6 years old, 5 tiers, 25 to 30 35 to 40 in. high, same in width, $1.50, $1.75, $2.00, $2.50, $3.00 to $4.00 each.

Araucaria Excelsa Glauca, May 1908 importation, 3 tiers, 6-in. pots, $1.00 to $1.25.

Araucaria Rebusta Compacta, May 1908 importation, 3 tiers 6-in. pots, beautiful plants, $1.25 to $1.50.

Araucaria Excelsa, May 1908 importation, 3 tiers, 6, 8 and 10-in. 40c; 3 to 4 tiers, 5-in. pots, 5 tiers, 5½ to 6-in. pots, 10, 12 14 16 to 18 in. high, 50c, 60c, 75c to $1.00 each.

Bay Trees, just received, per steamer Manitou, 6 ft. high from top of tub, 30-in. crowns, $12.00 per pair.

All goods must travel at purchaser's risk only Cash with order, please.

GODFREY ASCHMANN, 1012 W. Ontario St., Philadelphia

Importer, Wholesale Grower and Shipper of Pot Plants.

Surplus List.

	Per 100
Asparagus Plumosus, 2-in.	$3 00
" 2½-in.	4 00
" Sprengeri, 2½-in.	3 00
Ageratum, Little Blue Star	3 00
Achyranthes, 2 kinds, 2½-in	3 00
Begonia Gloire de Sceaux, 2½-in.	10 00
" Fairy Queen, 2½-in.	4 00
" Vernon, 2½-in.	4 00
Chrysanthemums, large stock; send for list.	
Coleus, John and Anna Pfister, 2-in	3 00
Castor Bean, tall bronze and dwarf green, 3-in.	6 00
Cobea Scandens, 2-in.	4 00
" 4-in.	10 00
Cyclamen, Vaughan's Giant-Flowering, 3-in.	6 00
Cannas, strong pot plants; send for list.	
Dahlias, strong pot plants, named, in all the best sorts, both cactus and large flowering.	6 00

	Per 100
Geraniums, ivy-leaved, asst. kinds, 2½-in	$4.00
" Little Pink, Sycamore, Beaute Poitevine, Single and Dbl. White, 2½-in.	4 00
4-in	8 00
Moonvines, white, 2½-in	4 00
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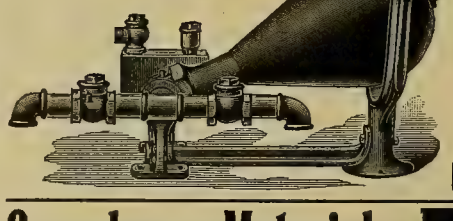

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Boxwood. Jacs Smits, Ltd., Naarden, Holland.

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Bulbs, Freesia refracta alba, California grown, mammoth, ¾-in., and up, 80c per 100; $7 per 1,000; choice, ½ to ¾-in., 65c per 100; $5 per 1,000; first quality, ⅜ to ½-in., 45c per 100; $3 per 1,000. Vaughan's Seed Store, Chicago and New York.

Bulbs, tuberoses, dwarf Pearl, 75c per 100; $7 per 1,000. Lilies. James Vick's Sons, Rochester, N. Y.

Bulbs, Calla Ethiopica, 8 to 10 ins. cir., $80 per 1,000; 7 to 8, $65; 5 to 7, $40; 3 to 5, $25. A. Mitting, 17-23 Kennan St., Santa Cruz, Calif.

Bulbs, Freesia Purity, first and 2nd grade. Rudolph Fischer, Santa Anita, Calif.

Bulbs of all kinds. A. T. Bodington, 342 W. 14th St., New York.

BULBS, Imported.

Bulbs, Lilium Harrisii, 5-7 ins., $4.50 per 100; $40 per 1,000; 7-9 ins., $8.50 per 100; $80 per 1,000. Holland bulbs, Japan lilies and Roman hyacinths. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, Lilium Harrisii, for early Xmas forcing, 5-7 inch, $40 per 1,000; 6-7 inch, $60 per 1,000. Vaughan's Seed Store, Chicago and N. Y.

Bulbs, Lilium Phillippensis, $2.75 per 100; $25 per 1,000. Mangowood Floral Co., Manila, P. I.

Bulbs, special prices on Dutch. J. M. Philips' Sons, Pittsburg, Pa.

CANNAS.

Cannas, F. Vaughan, Pennsylvania, Kate Gray, Chas. Henderson, Fairhope, J. D. Eisele, David Harum, Pres. Vigar, Alsace, Mlle. Berat, Allemania, 3-in., $5 per 100; $40 per 1,000. Plants started in sand, $3 per 100; $25 per 1,000. W. W. Coles, Kokomo, Ind.

Cannas, Black Beauty, Egandale, Antoine Bouvier, Burbank, Kate Gray, $3 per 100. Buffalo Cut Flower Co., 468 Washington St., Buffalo, N. Y.

Cannas, best French novelties, 4-in., $5 per 100. G. Aschmann, 1012 W. Ontario St., Phila-

Cannas. James Vick's Sons, Rochester, N. Y.

CARNATIONS.

Carnations, field-grown, Enchantress and Winsor, on and after July 1. Only a few left. To close out quick, $55 per 1,000. Cash, or good reference with order. Wanoka Greenhouses, Barneveld, N. Y.

Carnations, from pots, Winsor, White Enchantress, $7 per 100; $60 per 1,000. Helen Gould, $6 per 100; $50 per 1,000. Melody, Kingston Pit, $5 per 100. Daheim, Estelle, Lady Bountiful, Red Lawson, Var. and White Lawson, $4 per 100; $35 per 1,000. Lawson, B. Market, Harlowarden, $3 per 100; $25 per 1,000. Wood Bros., Fishkill, N. Y.

Carnations, John E. Haines, Imperial and Pink Imperial, Enchantress, field-grown, $6 per 100; $50 per 1,000. John E. Haines, Bethlehem, Pa.

Carnation Afterglow, field plants, 1st size, $14 per 100; 2nd size, $12 per 100. R. Witterstaetter, Sta. F, Cincinnati, O.

Carnations, leading vars. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, leading vars. Jensen & Dekema, 674 W. Foster Ave., Chicago.

Carnations, R. C. and plants. A. F. Longren, Des Plaines, Ill.

Carnation Andrew Carnegie, plants from soil, $12 per 100. Chicago Carnation Co., Joliet, Ill.

CHRYSANTHEMUMS.

CHRYSANTHEMUM PRICE LIST.

	R. C. per 100	R. C. per 1000	2½-in. per 100	2½-in. per 1000
WHITE.				
Virginia Poehlmann	10.00	80.00	12.00	100.00
Robinson	2.00	18.00	3.00	25.00
C. Touset	2.00	18.00	3.00	25.00
Alice Byron	2.00	18.00	3.00	25.00
White Bonnaffon	2.00	18.00	3.00	25.00
Timothy Eaton	2.00	18.00	3.00	25.00
W. H. Chadwick	2.00	18.00	3.00	25.00
Jeannie Nonin	2.00	18.00	3.00	25.00
Garza, single pompom	3.00	....	4.00	....
YELLOW.				
Monrovia, earliest.	3.00	25.00	4.00	35.00
Halliday	2.00	18.00	3.00	25.00
Col. Appleton	2.00	18.00	3.00	25.00
M. Bonnaffon	2.00	18.00	3.00	25.00
Chatauqua Gold	2.00	18.00	3.00	25.00
Yel. Eaton	2.00	18.00	3.00	25.00
Golden Wedding	2.00	18.00	3.00	25.00
PINK.				
Rosiere	2.00	18.00	3.00	25.00
McNiece	2.00	18.00	3.00	25.00
Dr. Enguehard	2.00	18.00	3.00	25.00
Maud Dean	2.00	18.00	3.00	25.00
RED				
Intensity	2.00	18.00	3.00	25.00
Schrimpton	2.00	18.00	3.00	25.00

All stock plants grown on top of benches to procure the best results. Cuttings far superior to most of them offered. Satisfaction guaranteed. Cash with order.

POEHLMANN BROS. CO.,
Morton Grove, Ill.

CHRYSANTHEMUMS.

ROOTED CUTTINGS NOW READY.

White	Per 100.	Yellow	Per 100.
Oct. Frost	$2.00	Gen. Hutton	$1.50
Estelle	1.50	Oct. Sunshine	1.50
Polly Rose	1.50	Chas. Cronin	1.50
Ivory	2.00	M. Bonnaffon	1.50
Robinson	1.50	Y. Eaton	2.00
Merry Xmas	1.50	Golden Dome	2.00
Yanoma	2.00	Mrs. Geo. Beech	1.50
Alice Byron	2.00	Pink	
W. H. Chadwick	2.00	Pink Ivory	2.00
T. Eaton	2.00	Monogram	1.50
C. Touset	1.50	Rosiere	1.50
Beatrice May	3.00	Lady Harriett	2.00
W. Bonnaffon	1.50	A. J. Balfour	2.00
Wanamaker	1.50	Mrs. Mary Mann	1.50
J. Nonin	1.50	Dr. Enguehard	1.50
Mrs. Swinburn	1.50	Mrs. Perrin	1.50
Snow Queen	1.50	Maud Dean	1.50
Yellow		M. F. Plant	1.50
Monrovia	2.50	Red	
Apple	1.50	Intensity	1.50
Golden Beauty	2.00	Black Hawk	1.50
G. Wedding	2.00		

WIETOR BROS., 51 Wabash Ave., Chicago.

Chrysanthemums, leading varieties. Vaughan's Seed Store, Chicago and New York.

If you do not find what you need in our Ready Reference Department, write us about it.

Chrysanthemums, Virginia Poehlmann, Angele Laurent, Golden Dome, Mlle. Jeanne Rosette, Money Maker, 2¼-in., $2 per doz.; $10 per 100. Mrs. Clay Frick, Zimmers Yellow, Mary Mann, 2¼-in., $1 per doz.; $6 per 100; R. C., $5 per 100. Pompons, Klondyke, Quinola, choice single vars., Kitty Bourne, Mrs. Roberts, Amorita, 2¼-in., $1 per doz. Standard varieties: Kalb, Polly Rose, Early Snow, Oct. Frost, C. Touset, White Shaw, Robinson, Beatrice May, Merza, Niveus, Queen, Byron, Eureka, Wanamaker, Adelia, Mrs. McArthur, T. Eaton, Merry Christmas, Glory of Pacific, Rosiere, Shaw, Balfour, Duckham, Enguehard, M. F. Plant, Maud Dean, The Harriott; Mayor Weaver, Mrs. J. Marshall, Monrovia, G. Pitcher, Appleton, Bonnaffon, Golden Wedding, H. W. Rieman, Yellow Eaton, Cullingfordi, Merstham Red, Matchless, Mrs. Duckham, Old Gold. Pompons: Baby, Lulu, 2¼-in., 5c each; 50c per doz.; $3 per 100; $25 per 1,000; R. C., $2 per 100; $15 per 1,000. Novelties for 1908: Golden Glow, Pacific Supreme, White Cloud, Golden Eagle, Lynwood Hall, 2¼-in., $5 per doz. A. N. Pierson, Inc., Cromwell, Conn.

CHRYSANTHEMUMS.

Strong, healthy, well rooted cuttings of Brutus, Roserie, G. of Pacific, Cobbold, Halliday, (pink), Appleton, Parr, Ben Wells, White Ivory, A. J. Balfour, Jeannie Nonin, Roi de Italie, P. Plumridge, W. B. Chamberlain, John K. Shaw, Edgar Saunders, Dr. Enguehard, Mrs. Weeks, Robinson, Willowbrook, C. Touset, $1.50 per 100; 2-in. plants, $2 per 100. October Frost, White Jones, White Eaton cuttings, $2 per 100; pot plants, $2.50 per 100. Golden Dome, $1 per doz.; $8 per 100. James Hamilton, Mt. Washington, Maryland.

Chrysanthemums, Pacific, Polly Rose, $2.50 per 100. Monrovia Halliday, Clementine Touset, Byron, Percy Plumeridge, Golden Wedding, white and pink Dean, Enguehard, Nonin, Bonnaffon, $3 per 100; from 2½-in.; extra stock for early orders. Henry F. Piggott, 4248 Pearl Road, Cleveland, O.

Beatrice May only $2.50. Oct. Frost, Touset, Adelia, Nonin, Enguehard, Shaw, Monrovia, strong stock, sure to please, $2.50 per 100; cuttings, $1.50. Not more than 25 per cent B. May in any order at above rates. W. J. Olds, Union City, Pa.

Chrysanthemums, rooted cuttings: Glory of Pacific, Cremo, Estelle, Geo. S. Kalb, Maud Dean, J. Nonin, Ivory, Rosiere, Dr. Enguehard, $2 per 100; $15 per 1,000. Cash with order. Wm. Swayne, P. O. Box, 226, Kennett Square, Pa.

Chrysanthemums, 2½-in., $2.50 per 100: Ivory, Chadwick, Eaton, Yanoma, Touset, Estelle, White Bonnaffon, Dr. Enguehard, Pink Ivory, Monrovia, Bonnaffon, Col. Appleton, Yellow Eaton, Black Hawk. Peter Reinberg, 51 Wabash Ave., Chicago.

Chrysanthemums, Appleton, T. Eaton, Yellow Eaton, Monrovia, Duckham, Cheltoni, Pacific, Nellie Pocket, F. A. Cobbold, Mrs. Duckham, Garza, 2¼-in., $3 per 100; $20 per 1,000. Chas. H. Totty, Madison, N. J.

Chrysanthemums, from 2½-in. pots, $22 per 1,000; extra good stock; 1,000 Pacific; 2,000 Halliday; 1,400 Touset; 5,400 Appleton; 2,200 Robinson. H. G. Darlington, Flushing, Long Island.

Chrysanthemums, hardy, $2 per 100; 500 in 20 vars., our selection, $9; 1,000, $17.50, 2-in. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Chrysanthemums, 3,000 White Bonnaffon, T. Eaton, and other varieties, $18 per 1,000. McIntyre Bros., Florists, Nashville, Tenn.

Chrysanthemums, about 20 good commercial varieties, 2½-in., $2.50 per 100. West End Greenhouses, Lincoln, Ill.

Chrysanthemums, R. C. and plants. A. F. Longren, Des Plaines, Ill.

Chrysanthemums for every purpose. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, white, yellow, pink, R. C. and 2-in. Geo. A. Kuhl, Pekin, Ill.

CLEMATIS.

Clematis, true Jackmani, 6-in., 3 ft., 35c to 40c. G. Aschmann, 1012 W. Ontario St., Phila.

Cyclamen, giant flowering, 3-in., $6 per 100. Vaughan's Seed Store, Chicago and New York.

COBEAS.

Cobea scandens, 4-in., $5 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Cobea scandens, 2-in., $4 per 100; 4-in., $10. Vaughan's Seed Store, Chicago and New York.

COLEUS.

Coleus, Verschaffeltii, Golden Queen, Beckwith's Gem, R. C., by express, 60c per 100; $5 per 1,000. Golden Bedder, also good assortment of fancy varieties. A. N. Pierson, Inc., Cromwell, Conn.

Coleus from 2½-in. pots, Lord Palmerston, Golden Queen, Verschaffeltii and Merry, $2.50 per 100, A1 plants. Jacob Van Akkeren, Dunkirk, N. Y.

Coleus. Geo. M. Emmans, Newton, N. J.

Coleus, 2½-in., 10 best bedding and fancy vars., $2 per 100; $18 per 1,000. W. W. Coles, Kokomo, Ind.

Coleus, good varieties, 2½-in., $2 per 100; 3-in., $3 per 100. The Krueger Bros. Co., Toledo, O.

Coleus, Versch., and fine assorted, 2-in., strong, 2½c. Cash. L. E. Marquisee, Syracuse, N. Y.

Coleus, Golden Bedder and Verschaffeltii, 2-in., $2; 3-in., $3 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Coleus, 2½-in., $2 per 100; $17 per 1,000. Perennial Gardens Co., Toledo, O.

Coleus, 10 varieties, 2¼-in., $2 per 100. Jos. H. Cunningham, Delaware, O.

Coleus, John and Anna Pfister, 2-in., $3 per 100. Vaughan's Seed Store, Chicago and N. Y.

Coleus, 2-in., 1¼c; R. C., $4 per 1,000. Shippensburg (Pa.) Floral Co.

Coleus, 2-in., 1½c. Byer Bros., Chambersburg, Pa.

Coleus, 3-in., best bedders, fine plants, $3 per 100. C. L. Van Meter, Monticello, Iowa.

Coleus, asst., $2 per 100. W. J. & M. S. Vesey, Ft. Wayne, Ind.

CUPHEAS.

Cupheas, 2½-in., $3 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Cobea scandens, 4-in., $8 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

CYCLAMENS.

Cyclamens, 2½-in., $5; 3-in., $7; 4-in., $15; 5-in., $20 per 100. S. S. Skidelsky, 1741 N. 18th St., Philadelphia.

DAHLIAS.

Dahlias, 2½-in., $2 per 100, such sorts as C. W. Bruton, Mrs. Winters, Fire Rain, Frank Smith, Mrs. Roosevelt, Kriemhilde, Countess of Lonsdale, Mme. Van der Dael. Memphis Floral Co., Memphis, Tenn.

Dahlias, standard, double valuable sorts, $3 and $4 per 100. New and fancy sorts, $8 to $12 per 100; few good standard sorts, $2 per 100. Ferndale Nurseries, Harlan, Iowa.

Dahlias, pot plants, named, cactus and large flowering, $6 per 100. Vaughan's Seed Store, Chicago and New York.

Dahlias, leading varieties. David Herbert & Sons, Atco, N. J.

Dahlias, all leading sorts. James Vick's Sons, Rochester, N. Y.

The American Florist invites attention to the class of business firms in its adv. columns.

DAISIES.

Daisy Queen Alexandra, well flowered, 6 and 7-in., $6 to $9 per doz. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Daisies, Shasta, 2 kinds, 2-in., 1½c. Byer Bros., Chambersburg, Pa.

Daisies, English, $3 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

DRACENAS.

Dracæna indivisa, 3-in., $5 per 100; $45 per 1,000. Vick & Hill, Box 613, Rochester, N. Y.

Dracæna indivisa, 3-in., $5; 4-in., $9; 5-in., $20 per 100. Mosbæk Greenhouse Co., Onargo, Ill.

Dracæna indivisa, 2-in., $3 per 100; 3-in., $5. Geo. M. Emmans, Newton, N. J.

FERNS.

Ferns, Boston and Piersoni, 2½-in., $3 per 100; 3-in., $6; 4-in., $10; 6-in., 40c each. Thos. Salveson, Petersburg, Ill.

Ferns, Whitmani, 2¼-in., $5 per 100; 3½-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Son, Whitman, Mass.

Ferns, assorted for dishes, $3 per 100. Adiantum cuneatum, 4-in., $1.50 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Ferns for dishes, assorted vars., 2-in., $3 per 100; $25 per 1,000. Frank Oechslin, 2570 W. Adams St., Chicago.

Ferns, Boston and Scottii, 4-in., 20c. Whitmani, 4-in., 25c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns. See our display advertisement for varieties and prices. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns, Boston and Elegantissima, 3 and 4-in., $6 and $12 per 100. W. W. Coles, Kokomo, Ind.

Ferns, Amerpohli, 5-in., $25 per 100; 2-in., $8. Poehlmann Bros. Co., Morton Grove, Ill.

Ferns, Boston, 5-in., 30c each. Geo. M. Emmans, Newton, N. J.

FICUS,

Ficus elastica, 4-in., $3 per doz.; 5-in., $4.20 per doz.; 6-in., $6 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

FUCHSIAS.

Fuchsias, 4-in., $6 per 100; 2½ and 3-in., $3 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Fuchsias, in bud and bloom, 3-in., $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Fuchsias, 5 kinds, 2-in., 1½c; R. C., $5 per 1,000. Shippensburg (Pa.) Floral Co.

GERANIUMS.

75,000 GERANIUMS. SPECIAL SALE. Here is your chance to buy the following SUPERB BEDDERS, guaranteed, A1 stock, at half price: S. A. NUTT (crimson), PETER HENDERSON (scarlet), BEAUTE POITEVINE (salmon), JEAN VIAUD (pink), MME. BUCHNER (white), strong plants from 2½-in. pots, $1.75 per 100; $15 per 1,000.
THE W. T. BUCKLEY CO., Springfield, Ill.

Geraniums, standard sorts from $2 per 100 up. Will send 1,000, 50 each of 20 varieties, our selection, $18.50. Newer varieties, 1905-6, $6 to $8 per 100. Novelties, one each of 50 varieties, $5. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, 3-in., $3 per 100; $25 per 1,000; 3½-in., $3.50 per 100; $28 per 1,000; 4-in., $4 per 100; $33 per 1,000. Perennial Gardens Co., Toledo, O.

Geraniums, Jean Viaud, Heteranthe, A. H. Trego, M. de Castellane, Granville (pink single), in bud, 3-in., strong and bushy, $5 per 100; $40 per 1,000. Memphis Floral Co., Memphis, Tenn.

Geraniums, Nutt, Doyle, Perkins, Ricard, Grant, La Favorite, R. C., $1.25; 2-in., $2; 3-in., $4 per 100. Trego, Viaud, Castellane, Poitevine, Jaulin, R. C., $1.50; 2-in., $2.50; 3-in., $5 per 100. Geo. Emmans, Newton, N. J.

Geraniums, ivy leaved, assorted kinds, 2½-in., $4 per 100. Little Pink, Sycamore, Poitevine, single and double white, 2½-in., $4; 4-in., $8. Vaughan's Seed Store, Chicago and New York.

Geraniums, 2½-in., S. A. Nutt, Hector and others, $2 per 100; $15 per 1,000. Krueger Bros. Co., Toledo, O.

Geraniums, standard varieties mixed, 2¼-in., $2.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Geraniums, ivy, rose, Nutt, dbl. Grant, Gen. Grant, Buchner, Viaud, etc., 2 and 2½-in., 1½c. Byer Bros., Chambersburg, Pa.

Geraniums, R. C., fall delivery, Nutt, Buchner and Perkins, $10 per 1,000. Ricard, Poitevine, Castellane and Viaud, $12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, mixed, 4-in., $7 per 100. Geo. Bischoff, Ann Arbor, Mich.

Geraniums, S. A. Nutt, John Doyle, etc., 4-in., $7 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Geraniums, James Vick's Sons, Rochester, N. Y.

The American Florist invites attention to the class of business firms in its adv. columns.

GLADIOLI.

Gladiolus America, $6.50 per 100; $60 per 1,000. Write for prices on other stock. Cushman Gladiolus Co., Sylvania, O.

Gladiolus bulbs, $1 per 100. Geo. M. Emmans, Newton, N. J.

GLOXINIAS.

Gloxinias. L. Van Houtte, Pere, Ghent, Belgium.

GREENS.

Greens, bronze galax, $8.50 per case of 10,000; green, $7.50 case of 10,000. Dagger and fancy ferns, $1 per 1,000. Laurel festooning, boxwood, southern wild smilax, sphagnum and green moss, leucothoe sprays, etc. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, dagger and fancy ferns, $1.75 per 1,000. Bronze and green galax, $1.25 per 1,000. Leucothoe sprays, $1 per 100; $7.50 per 1,000. Sphagnum moss, per bale, $1.25. Boxwood bunches, 35c; 50 lbs., $7.50. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 53 W. 28th St., New York.

Greens, cut palmetto and cycas leaves, galax leucothoe, ferns, mosses, etc. Kervan Co., 113 W. 28th St., New York.

Greens, smilax, ferns, palm leaves, etc. John P. Scherer, Union Hill, N. J.

Greens, southern wild smilax. E. A. Beaven, Evergreen, Ala.

HARDY PERENNIALS.

Hardy pinks, asst. colors in bud and bloom, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Moonvines, 4-in., 30 to 36 ins., $12 per 100; 2½-in., $5. G. Aschmann, 1012 W. Ontario St., Philadelphia.

If you do not find what you need in our Ready Reference Department, write us about it.

HELIOTROPES.

Heliotrope, 2-in., $2 per 100; $15 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

Heliotrope. Geo. M. Emmans, Newton, N. J.

HONEYSUCKLES.

Honeysuckles, Halliana and Red Trumpet, $1.50 per doz.; $10 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

HYDRANGEAS.

Hydrangea Otaksa, fine strong plants, 2-in., $3.50 per 100; 3-in., $5 per 100. George Corbett, College Hill Sta., Cincinnati, O.

Hydrangea Otaksa, $9, $12 and $18 per doz. J. A. Peterson, McHenry Ave., Westwood, Cincinnati, O.

Hydrangeas, 3-in., $10 per 100; 6 and 7-in., 50c, 75c and $1 each. Geo. A. Kuhl, Pekin, Ill.

Hydrangea Snowball, 3-yr., $5 per doz. Vaughan's Seed Store, Chicago and New York.

Hydrangeas. W. & T. Smith Co., Geneva, N. Y.

IVIES.

Ivy, Kenilworth, 2½-in., $2 per 100. English, 4-in., $10; German, 2½-in., $3. Vaughan's Seed Store, Chicago and New York.

Ivy, English, 4-in., $1.50 per doz.; $10 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

English ivy, 3-in., $3 per 100. The Krueger Bros. Co., Toledo, O.

Ivy, English, 4-in., 2 ft., $8 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

LILACS.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

From Storage.

Lily of the valley, pips, cold storage. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley, cold storage pips, $14 per 1,000; $1.75 per 100. H. N. Bruns, 1407-11 W. Madison St., Chicago.

LOBELIAS.

Lobelias, Kathleen Mallard, 3-in., $8 per 100. Vaughan's Seed Store, Chicago and New York.

MOSS.

Sphagnum moss, 5 barrel bale, $1.25; 2 bales, $2.25; 5 bales, $5; 10 bales, $9.50. H. R. Akers, Chatsworth, N. J.

Sphagnum moss in burlay or wired bales. Write for prices. Vaughan's Seed Store, Chicago and New York.

MUSHROOM SPAWN.

Mushroom spawn, Barter's Prolific, wholesale only. Write for prices. John F. Barter, Ltd., Napier Road, Wembley, England.

Mushroom spawn. Johnson's improved. Johnson's, Ltd., 44 Bedford Row, London, W. C., Eng.

Mushroom spawn. English and pure culture. Weeber & Don, 114 Chambers St., New York.

Mushroom spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

MYRTLE.

Myrtle, field-grown clumps, strong, $2 per 100; $17.50 per 1,000. Geo. A. Dhonau, Sta. H., Cincinnati, O.

NURSERY STOCK.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, trees and shrubs, price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Nursery stock, arbor vitæ (Thuya occidentalis) 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, large trees, oaks, maples, pines and hemlock. Andorra Nurseries, Chestnut Hill, Philadelphia.

Viburnum plicatum, all sizes up to 4 ft. The Conard & Jones Co., West Grove, Pa.

Nursery stock, fruit and shade trees, shrubs, evergreens. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. Storrs & Harrison, Painesville, O.

ORANGES.

Oranges, Kinkan. P. J. Berckmans Co., Augusta, Ga.

ORCHIDS.

Orchids, C. Triamæ, C. labiata, C. Schroederæ, C. gigas Sanderiana, C. Harrisoniæ, C. citrina, Lælia anceps, Oncidium varicosum Rogersii, O. ornithorhynchum, O. tigrinum, Odontoglossum Insleayi, O. Rossii majus, also orchid peat, sphagnum moss, baskets, etc. Carrillo & Baldwin, Secaucus, N. J.

Orchids, arrived in fine condition, C. Mossiæ, C. Gaskelliana, C. speciosissima and C. gigas Sanderiana. Ordonez Bros., Madison, N. J.

Orchids in superb condition. Cattleya Mossiæ, C. Schroederæ, Lælia anceps, Epidendrum vitellinum, etc. Lager & Hurrell, Summit, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England. New York office, room 1, 235 Broadway.

Orchids. Largest stock in the country. Ask for prices. Julius Roehrs Co., Rutherford, N. J.

PALMS.

Palms, Kentia Forsteriana, 5-in., 4 to 5 leaves, 20 to 24 ins., 75c each; $9 per doz.; 6-in., 4 to 5 lvs., 24 to 28 ins., $1 each; $12 per doz.; 6-in., 4 to 5 lvs., 24 to 30 ins., $1.25 each; $15 per doz.; 7-in., 5 to 6 lvs., 24 to 36 ins., $2.50 each; $30 per doz.; 8-in., 5 to 6 lvs., 36 to 40 ins., $3 each; $36 per doz.; 9-in., 6 to 7 lvs., 48 to 54 ins., $5 each; $60 per doz. Made up Kentias, 3 in a pot, $5 each; $60 per doz. Belmoreana, 5-in., 5 to 6 lvs., 18 to 20 ins., 75c each; $9 per doz.; 5-in., 5 to 6 lvs., 20 to 24 ins., $1 each; $12 per doz.; 6-in., 5 to 6 lvs., 20 to 24 ins., $1.50 each; $18 per doz.; 7-in., 5 to 6 lvs., 24 to 26 ins., $1.75 each; $21 per doz.; 7-in., 6 to 7 lvs., 24 to 28 ins., $2.50 each; $30 per doz.; 8-in., 6 to 7 lvs., 30 to 36 ins., $4 each; $48 per doz.; 9-in, 6 to 8 lvs,, 36 to 48 ins,, $6 each; $72 per doz. Phœnix Canariensis, in small tubs, $2.50 each. Cycas revoluta, 4-in., 25c each; 5-in., 35c; 6-in., 50c; 7-in., 75c and $1; 8-in., $1.25 to $1.50. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Palms, home-grown. Cocos Wedd., 2½-in., 8 to 10 ins., 10c each; 10 to 12 ins.,15c each. Kentia Bel., 6-in., 6 to 7 leaves, 22 to 24 ins., $1 each; $12 per doz.; 6-in., 6 to 7 lvs., 24 to 26 ins., $1.25 each; $18 per doz; 6-in., 6 to 7 lvs., 26 to 28 ins., $1.50 each; $18 per doz.; 6-in., 6 to 7 lvs., 30 to 36 ins,, $2 each; $24 per doz.; 7-in., 6 to 7 lvs., 32 to 34 ins., $2.50 each; $30 per doz. Joseph Heacock, Wyncote, Pa.

Palms, Kentia Bel., 5¼ to 5½-in., 22, 25, 27 ins. high, 50c and 75c each; 4-in., 20 to 22 ins., 35c and 40c. Kentia Fors., 5 and 5½-in., 50c and 75c each; larger, $1 to $2.50 each. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Latania Borb., 2½-in., $4; 3-in., $7. Vaughan's Seed Store, Chicago and New York.

Palms, high class. Robt. Craig Co., Market and 49th Sts. Philadelphia.

Palms. P. J. Berckmans Co. Augusta, Ga.

Palms. L. Van Houtte, Pere, Ghent, Belgium.

PELARGONIUMS.

Pelargoniums, named kinds, 4-in., $15 per 100. Vaughan's Seed Store, Chicago and N. Y.

PEONIES.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Wholesale peony list for fall 1908 is now ready. J. F. Rosenfield, West Point, Neb.

Peonies, leading varieties. Gilbert H. Wild, Sarcoxie, Mo.

Peonies, leading varieties. E. G. Hill Co., Richmond, Ind.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies, leading vars. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunias, double fringed in bud and bloom, 2½-in., $2.50 per 100. The Krueger Bros. Co., Toledo, O.

Petunias, double sorts, 2½-in., $4 per 100. Vaughan's Seed Store, Chicago and New York.

Petunias, dbl., 2-in., 1½c. Byer Bros., Chambersburg, Pa.

Petunias, seedlings, $2.50 per 100. Jos. H. Cunningham, Delaware, O.

Petunias, dbl., 3-in., $3 per 100; $25 per 1,000. Perennial Gardens Co., Toledo, O.

POINSETTIAS.

Poinsettias, bard and soft wood, 2½-in. pots, $4 per 100. McIntyre Bros., Florists, Nashville, Tenn.

Poinsettias, 2½-in., $5 per 100; $45 per 1,000. S. S. Skidelsky, 1741 N. 18th St., Philadelphia.

Poinsettias, 3-in., $4 per 100; $35 per 1,000. Geo. Reinberg, 35 Randolph St., Chicago.

PRIMULAS.

Primroses, Chinese single fringed, $2 per 100. Obconica, alba, rosea, $2. Gigantea and Kermesina, $3. Forbesi, "Baby," $2. Jos. H. Cunningham, Delaware, O.

Primula obconica, 2-in., $3 per 100. Vaughan's Seed Store, Chicago and New York.

RHODODENDRONS.

Rhododendrons. Jacs Smits, Naarden, Holland.

ROSES.

Roses, grafted, Mrs. Jardine, Rhea Reid, Queen Beatrice, $6 per doz.; 50 for $18; $35 per 100. My Maryland, 50c each; $5 per doz.; $35 per 100; own root, 2½-in., $20 per 100; 3-in., $5 per doz. Standard vars.: Aurora, Bon Silene, Bride, Maid, Enchanter, Etoile de France, Franz Deegen, Gen. MacArthur, Hermosa, Kate Moulton, La Detroit, M. Cochet, M. Niel, Rosalind Orr English, Wootton, Wellesley, White Cochet, grafted, 2¼-in., 20c each; $2 per doz.; $15 per 100; $120 per 1,000. Own root roses, 2½-in., Killarney, Bride, Bridesmaid, Ivory, Richmond, Chatenay, Aurora, $1 per doz.; $6 per 100; $50 per 1,000; 3-in., $8 per 100; $75 per 1,000. A. N. Pierson, Cromwell, Conn.

Roses, Mrs. Potter Palmer, 2½-in., $15 per 100; $125 per 1,000; 2,000 or more, $115 per 1,000; 3½-in., $18 per 100; $150 per 1,000. Cardinal, 2½-in., $6 per 100; $55 per 1,000; 3½-in., $8 per 100; $75 per 1,000. Maid, Richmond, Sunrise, Uncle John, 2½-in., $4.50 per 100; $40 per 1,000; 3½-in., Maid, Kaiserin, ready now, $6.50 per 100; $60 per 1,000. Benched Beauties, cut back, $6.50 per 100; $55 per 1,000. Am. Beauties, 2-in., $5 per 100; $45 per 1,000; 2½-in., $5.50 per 100; $50 per 1,000; 3-in., $7 per 100; $65 per 1,000; 3½-in., $8 per 100; $75 per 1,000; 4-in., $12 per 100; $110 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, 2½-in., Bride, Maid, Uncle John, Ivory, Chatenay, $2.50 per 100; $22.50 per 1,000. Sunrise, Kate Moulton, $4 per 100; $35 per 1,000. Richmond, $3 per 100; $25 per 1,000. Killarney, $5 per 100; $40 per 1,000. Bench plants: Richmond, $4 per 100; $35 per 1,000. Am. Beauty, $6 per 100; $50 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Roses, grafted. Chatenay, Killarney, Richmond, Liberty, La France, 3½-in., $18 per 100; Bride, Maid, Golden Gate, Kaiserin, 3½-in., $15 per 100; own root roses: Bride, Maid, Killarney, Richmond, Chatenay, 3-in., $7 and $9 per 100. J. L. Dillon, Bloomsburg, Pa.

YOUNG ROSE STOCK.

	Per 100.	Per 1000
American Beauty, 2½-in.....	$5.00	$45.00
Uncle John, 2½-in.....	3.00	25.00
Kate Moulton, 2-in.....	3.00	25.00

WIETOR BROS., 51 Wabash Ave., Chicago.

Roses, grafted Killarney, Richmond, Bride and Maid, $12 per 100; $110 per 1,000. Own roots: Bride, Maid, G. Gate, Ivory, Perle, Killarney, Richmond, $6 per 100; $55 per 1,000; all from 3½-in. P. R. Quinlan, Syracuse, N. Y.

Roses, Killarney, 2½-in., grafted on briar, $10; 2½-in., on manetti, $12. Beauties, 2½-in., $50 per 1,000. Kaiserin, 2½-in., $4.50 per 100; $40 per 1,000. Bassett & Washburn, 76 Wabash Ave., Chicago.

Roses for forcing, grafted, Bride, Maid, Kaiserin, Killarney, Richmond, Wellesley, $10 per 100; $100 per 1,000. Jackson & Perkins, Newark, N. Y.

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Roses, 1-year bench Beauties, $5 per 100; $40 per 1,000; 3-in., $5 per 100; $40 per 1,000. Geo. Reinberg, 35 Randolph St., Chicago.

Roses, own root, Bride, Maid, Killarney, Richmond, $4 per 100; $35 per 1,000. S. J. Reuter & Son, Westerly, R. I.

Roses, Kaiserin, 3-in., $4.50 per 100. Bride, Maid, Gate, Ivory, 2½-in., $2.50 per 100. Wm. B. Sands & Sons Co., Lake Roland, Md.

Roses, 2½ and 4-in., leading varieties, see display adv. in this issue for prices and varieties. Leedle Floral Co., Springfield, O.

Roses, Bride, Bridesmaid, Chatenay and Meteor, 3-in., $3.50 per 100. Krueger Bros. Co., Toledo, O.

The American Florist invites attention to the class of business firms in its adv. columns.

Roses leading kinds. Hugh Low & Co., Bush Hill Park, Middx., England.

Roses, Bride, 3-in., $3 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Roses, own root. C. M. Niuffer, Springfield, O.

Roses, Kaiserin, 3-in. pots, $4.50 per 100. Wm. B. Sands & Sons Co., Lake Roland, Md.

If you do not find what you need in our Ready Reference Department, write us about it.

Roses for forcing. W. & T. Smith Co., Geneva, N. Y.

Roses a specialty. The Dingee & Conard Co., West Grove, Pa.

Roses. James Vick's Sons, Rochester, N. Y.

SALVIAS.

Salvia Zurich in bud and bloom, 4-in., $6 per 100; 3-in., $3 per 100; 2-in., $2 per 100. The Krueger Bros. Co., Toledo, O.

Salvias, Clara Bedman or Bonfire, 4-in., $5 per 100; $45 per 1,000. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Salvias, Bonfire, 2½-in., $3; 3-in., $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Salvias, 2-in., $1.50; 3-in., fine, $2.50. Best kinds, large. W. H. Gullett & Sons, Lincoln, Ill.

Salvia Zurich, 3-in., $3 per 100. Perennial Gardens Co., Toledo, O.

Salvias, R. C., $1 per 100; $8 per 1,000. S. D. Brant, Clay Center, Kans.

SEEDS.

Seeds, Dracæna Australis, $2 per oz.; tr. pkt., $25c; Draco, 50c per oz.; tr. pkt., 25c; indivisa, $1.50 per oz.; tr. pkt., 25c. Incarvillea grandiflora, new $4.50 per oz.; tr. pkt., 50c. Lobelia Hamburgi, tr. pkt., 30c. Primula veris elatior, improved mixed, $2.50 per oz.; tr. pkt., 35c. Tritoma Express, $2 per oz.; tr. pkt., 30c. O. V. Zangen, Hoboken, N. J.

Seeds, calceolarias, mixed. Cineraria, separate and mixed. Cyclamen, giant flowered; orchid flowered; Rokoko, and English strains. Gloxinia mixed. Pansy, giant and bedding varieties; special mixture. Primula, separate sorts and mixed; new English strains. Vaughan's Seed Store, Chicago and New York.

Seeds, bean, beet, cabbage, carrot, kohl rabi, leek, lettuce, onion, pea, radish, spinach, turnip, swede, aster, balsam, begonia, carnation, cineraria, gloxinia, larkspur, nasturtium, pansy, petunia, phlox, primula, scabious, stock, verbena zinnia, etc. Giant pansy, $5 per oz.; $1.50 per ¼ oz.; 75c per 1-16 oz. Henry Mette, Quedlinburg, Germany.

Seeds, Asparagus plumosus nanus, northern greenhouse grown, per 100 seeds, 60c; 250 seeds, $1; 1,000 seeds, $3. Vaughan's Seed Store, Chicago and New York.

Seeds, Asparagus plumosus nanus, 50c per 100; $1.75 per 500; $3 per 1,000. Sprengeri. 15c per 100; 40c per 500; 75c per 1,000. H. H. Berger & Co., 70 Warren St., N. Y.

Seeds, Tomato, the Don, Cauliflower. First and Best, Onion Ailsa Craig. Lettuce, Ideal. Mignonette, N. Y. Market. Weeber & Don, 114 Chambers St., New York.

Seed, pansy, 3,000 seeds, $1; ¼ oz., $1.50; ½ oz., $2.50; oz., $5; ¼ lb., $14; ½ lb., $25; 1 lb., $50. Peter Brown, 124 Ruby St., Lancaster, Pa.

Seeds, Asparagus plumosus nanus, per 1,000 seeds, $2. Sprengeri, per 1,000 seeds, 75c. W. C. Beckert, North Side, Pittsburg, Pa.

Seeds, Asparagus robustus, $2 per 1,000 seeds. Pansy, carnation, daisy and other seeds. J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds, sweet peas. Anton C. Zvonlanek, Bound Brook, N. J.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

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Seeds, flower and vegetable. James Vick's Sons, Rochester, N. Y.

Seed potatoes, Red River stock. Onion sets, Vaughan's Seed Store, Chicago.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Seeds, all kinds. St. Louis Seed Co., 784-786 N. 4th St., St. Louis.

Seeds, finest strain of pansies. Fred Roemer, Quedlinburg, Germany.

Seeds, pansies, leading strains. H. E. Fiske Seed Co., 13 Faneuil Hall Sq., Boston, Mass.

Contract Growers.

Seeds, peas, Allan's Admiral Dewey, Extra Early, Sunol. The John H. Allan Seed Co., Sheboygan, Wis.

Seeds, bean, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, cabbage and cauliflower. Hjalmer Hartman & Co., Stormgade, Copenhagen; 31 Barclay St., New York.

Seeds, lettuce, onion, sweet pea, aster, cosmos, mignonette, verbena. Waldo Rohnert, Gilroy, Calif.

Seeds, growers for the wholesale trade only. Braslan Seed Grower's Co., San Jose, Calif.

Seed beans. F. L. Hogue, Carpinteria, Calif. Grower for the wholesale trade only.

Seeds, garden peas and beans. Rogers Bros., Alpena, Mich.

Seed, Puget Sound cabbage. Chas. H. Lilly & Co., Seattle, Wash.

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Smilax, myrtle leaved, 3-in., $5; large leaved, 2-in., $2 per 100. Vaughan's Seed Store, Chicago and New York.

Smilax, $1.25. Jos. H. Cunningham, Delaware, O.

Smilax, $3 per 100; $25 per 1,000. Geo. Reinberg, 35 Randolph St., Chicago.

Smilax, $1.50 per 100; $15 per 1,000. A. M. Herr, Lancaster, Pa.

Smilax, 2-in., $25 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Smilax, $2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Smilax, 2-in., 1½c. Byer Bros., Chambersburg, Pa.

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Snapdragons, pink and yellow, 2¼-in., $3 per 100. Poehlmann Bros., Morton Grove, Ill.

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Spireas for Christmas blooming, $8 per 100; less than 25 roots, 10c each. J. M. Philips' Sons, Pittsburg, Pa.

Spirea Gladstone, extra nice plants, 6-in. pots, 35c each. Memphis Floral Co., Memphis, Tenn.

Spireas. Jacs Smits, Ltd., Naarden, Holland.

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Swainsona alba, 2-in., 1½c. Byer Bros., Chambersburg, Pa.

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Vegetable plants: Cabbage: Wakefield, Early Flat Dutch, Early All Head, Early Drumhead, etc.; Surehead Late Flat Dutch, Danish Round and Ball Head, etc., 20c per 100; $1 per 1,000; 10,000, $8.50. Tomato: Stone, Favorite, Paragon, etc., 20c per 100; $1 per 1,000; $8.50 per 10,000. Dwarf Stone, Champion, June Pink and Early Jewell, 40c per 100; $2 per 1,000. Celery: White Plume, Giant Pascal, Gold Heart, etc., 20c per 100; $1 per 1,000; $8.50 per 10,000. Beet: Eclipse, Crosby and Egyptian, 25c per 100; $1.25 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Vinca variegata, 2½-in., $2 per 100; $17.50 per 1,000; 2-in., $1.50 per 100; $15 per 1,000. Leedle Floral Co., Springfield, O.

Vincas, 2½-in., $2 and $3 per 100; 4-in., $6 per 100. Geo. Bischoff, Ann Arbor, Mich.

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Vinca, var., also green, extra heavy, 4½-in.,

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Guttman, Alex. J., 34 W. 28th St., New York.

Harty & Co., 1312 G St., N. W., Washington.

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Hunt, E. H., 76 Wabash Ave., Chicago.

Kennicott Bros. Co., 48-50 Wabash, Chicago.

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Langjahr, Alfred H., 55 W. 28th St., N. Y.

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McKissick, W. E., 1619-21 Ranstead St., Philadelphia.

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Benthey & Coatsworth Co., The, 35 Randolph St., Chicago.

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Weiland & Risch, 59 Wabash Ave., Chicago.

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Wittbold, Geo. Co., 1657 Buckingham Pl., Chicago.

Woodrow, Samuel A., 53 W. 30th St., N. Y.

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New York—M. A. Bowe, 1294 Broadway.

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Seattle, Wash.—Woodland Seed & Floral Co., 808 2nd Ave.

Terre Haute, Ind.—Jno. G. Heinl & Son.

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Building material, hotbed sash, cypress, unglazed, 95c each; in doz. lots, 90c; glazed, $1.65 each; doz. lots, $1.60. Pine sash, unglazed, 90c; doz. lots, 85c; glazed, $1.60; doz. lot, $1.55 each. Building hardware, wire and wire fencing bolts, hatchets, hammers, etc. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

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Building material of all kinds. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn.

Building and propagating sands, fire brick and fire clay. Portland cement, hard wall plaster. Garden City Sand Co., Security Bldg., Chicago.

Greenhouse material, Louisiana red cypress. Louisiana Red Cypress Co., Hibernia Bldg., New Orleans.

Building material of all kinds. S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

FERTILIZERS.

Dried and ground SHEEP MANURE. Nature's product unadulterated. For particulars address Natural Guano Co., Aurora, Ill.

Wizard brand pulverized sheep manure, large barrel, $4. The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

The American Florist invites attention to the class of business firms in its adv. columns.

GLASS.

Glass importers and jobbers; greenhouse glass a specialty. Window glass. James H. Rice, Corner Michigan, St. Clair and Illinois Sts. Chicago.

Glass, greenhouse glass a specialty; also window glass. Sprague, Smith & Co., 167-9 Randolph St., Chicago.

Glass. French and American "White Rose." Stenzel Glass Co., 2 Hudson St., New York.

Glass. High grade, double thick, greenhouse glass. Lord & Burnham, 1133 Broadway, N. Y.

Glass, all sizes. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn, N. Y.

Glass of all sizes. S. Jacobs & Sons, 1365 N. Flushing Ave., Brooklyn, N. Y.

Glass of all kinds and sizes. Sharp, Partridge & Co., 22nd and Lumber Sts., Chicago.

Glass, greenhouse, all sizes. H. M. Hooker Co., 120-128 W. Washington St., Chicago.

GLAZING POINTS.

Glazing points: See the point? Hold glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Siebert's zinc never-rust glazing points, 2 sizes ⅝ and ⅞. 40c per lb.; 16c extra by mail; 7 lbs., $2.50; 15 lbs., $5 by express. Randolph & McClements, Baum and Beatty Sts., Pittsburg, Pa.

Glazing points, Lord & Burnham special glazing nails (points). Lord & Burnham Co., 1133 Broadway, New York.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of modern greenhouses. Myers & Co., 1122 Betz. Bldg., Philadelphia.

Greenhouse construction, builders of green houses for private estates, institutions, parks, etc. Pierson U-bar Co., Metropolitan Bldg., 4th Ave. and 23rd St., New York.

Greenhouse construction, builders of every type of greenhouses, the most modern designs. Hitchings & Co., 1170 Broadway, N. Y.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 113 Blackhawk St., Chicago.

Greenhouse construction of all kinds and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction and equipment. King Construction Co., North Tonawanda, N. Y.

GUTTERS.

Gutters, cast-iron. Lord & Burnham Improved V-shaped gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, New York.

Gutters. Jennings' improved iron gutters. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

HOSE.

Hose, garden, ¾-in., 4c per ft. Competition garden hose, ¾-in., 50 ft. lengths with couplings, $2. Standard grade, ¾-in., 50 ft., lengths with couplings, 3 ply, 7c per ft.; 4 ply, 9c; 5 ply, 10c. Hose reels, 75c each. Sprinklers, 25c. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Hose, 50-ft. lengths, ¾-in., 8½c; for heavy work, 12½c. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn, N. Y.

A. "SHOWERMAKER," $1. Jos. Kopcsay, So. Bend, Ind.

INSECTICIDES.

Insecticides, tobacco paper, 24 sheets, 75c; 144, $3.50; 288, $6.50; 1,728, $35.10. Nicofume liquid, pint, $1.50; ½ gal., $5.50; gal., $10.50; 5 gals., $47.25. The Kentucky Tob. Product Co., Louisville, Ky.

Insecticides. Nicotocide Bug Killer, the best bug killer and bloom saver. P. R. Palethorpe Co., Owensboro, Ky.

Insecticides. Carman's Antipest Insecticide and fungicide, $1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Fumigating supplies, vaporizing pans for tobacco extract, improved. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Hammond's Slug Shot for all kinds of insects. B. Hammond, Fishkill-on-Hudson, N. Y.

Fresh tobacco stems; 50c per 100 lbs.; $10 per ton. Scharff Bros., Van Wert, O.

KNIVES.

Razor steel, hand forged, postpaid. Propagating, 50c; budding, 35c; grafting, 25c; pruning, 75c. Cat. free. Maher & Grosh Co., 91 A St., Toledo, Ohio.

MISCELLANEOUS.

Bostrom's Improved Builders' levels and farm levels. Builders' level, $25; farm level, $12.50. Bostrom-Brady Mfg. Co., 130 Madison Ave., Atlanta, Ga.

Galvanized wire stakes and tying wire. Also Model Plant Support. Igoe Bros., 63 Metropolitan Ave., Brooklyn, N. Y.

Mission plant boxes. Wagner Park Cons., Sidney, O.

Pillsbury's Carnation Staple, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

Perry Pneumatic water system. Write for particulars. United Pump and Power Co., Old Colony Bldg., Chicago.

Engravings. Best engravings and illustrations of every description for catalogues. Send for estimates. Globe Eng. & Elec. Co., 427 Dearborn St., Chicago.

Wittbold Watering System, 20 nozzles and a swivel wheel for $5. E. H. Hunt, Agent, 76-78 Wabash Ave., Chicago.

Investigate our improved method of heating. Simonds Heating and Specialty Co., 103 Washington Ave., Detroit, Mich.

Printing. Large runs of catalogues a specialty. Write for figures. Regan Printing House, 89-91 Plymouth Pl., Chicago.

Florists' overdue accounts and bad debts collected by the National Florists' Board of Trade, 36 Pine St., New York.

Heller's mice-proof seed cases and bins. Heller & Co., Montpelier, O.

PAINT, PUTTY, ETC.

Paint, Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, New York.

Paint, putty, etc. The Jas. H. Rice Co., cor. Michigan, St. Clair and Illinois Sts., Chicago.

Putty, paint, etc. H. M. Hooker Co., 120-128 W. Washington St., Chicago.

PIPE, FITTINGS, ETC.

Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U-bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Pipes and fittings, cast iron and wrought pipe, valves, elbows, pipe hooks, automatic air headers, etc. Lord & Burnham Co., 1133 Broadway, New York.

Iron fittings, patent iron bench fittings and roof supports. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Pipe fittings, etc. S. Jacobs & Sons, 1365 N. Flushing Ave., Brooklyn, N. Y.

Pipes, valve fittings. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

POTS, PANS, ETC.

Pots, florist red. Peters & Reed Pottery Co., Zanesville, O.

Pots, standard seed pans, cut flower cylinders, hanging baskets, lawn vases, etc. Hilfinger Bros. Pottery, Ft. Edward, N. Y.

Pots, standard flower pots. The Whilldin Pottery Co., Philadelphia, Pa.; Jersey City, N. J.; Long Island City, N. Y.

Pots, red standards, full size and wide bottoms. Detroit Flower Pot Mfy., 490 Harvard St., Detroit, Mich.

Pots, red standard. Paducah Pottery Co., Paducah, Ky.

Pots, before buying write for prices. Geo. Keller & Son, 361-63 Herndon St., near Wrightwood Ave., Chicago.

Pots, red standard azalea pots. The Keller Pottery Co., 213-223 Pearl St., Norristown, Pa.

Pots, pots of all kinds. A. H. Hews & Co., No. Cambridge, Mass.; Long Island City, N. Y.

Pot hangers. Kramer's $1 doz. exp., $1.25 mail. I. N. Kramer & Son, Cedar Rapids, Ia.

Paper flower pots, 500,000. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Pots and azalea pans. Twin City Pottery Co., Minneapolis, Minn.

Pots, standard, all sizes. A. F. Kohr, 1521 Leavitt St., Chicago.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

Pots, standard red flower. A. J. Marquis, Middleburg, O.

Pots. Syracuse red. Syracuse Pottery Co., Syracuse, N. Y.

Pots. Ionia Pottery Co., Ionia, Mich.

PUMPING ENGINES.

Pumping Engines, two streams of water for 1 hour cost 2 cents if you use a Standard pumping engine. The Standard Pump & Engine Co., Cleveland, O.

If you do not find what you need in our Ready Reference Department, write us about it.

REFRIGERATORS.

Florists' refrigerators, all sizes and kinds. McCray Refrigerator Co., 760 Mill St., Kendallville, Ind.

STEAM TRAPS.

Steam Traps, the Standard return steam trap has no equal for its simplicity of working. E. Hippard, Youngstown, O.

Detroit Automatic Steam Trap. American Blower Co., Dept. A. F., Detroit, Mich.

SUPPLIES.

Supplies. Rustic hanging baskets, rustic pedestals, settees, chairs, tables, birdhouses, window boxes, vases, etc. Reed & Keller, 122 W. 25th St., New York.

Supplies. Cape flowers, cycas leaves, metal designs and all florists' supplies. A. Herrmann, 404-12 E. 34th St., New York.

Supplies. Importers and manufacturers of florists' supplies. L. Baumann & Co., 78 Wabash Ave., Chicago.

Supplies, wire designs. Pittsburg Florists' Ex., 228 Diamond St., Pittsburg, Pa.

Supplies of all kinds and novelties. E. H. Hunt, 76 Wabash Ave., Chicago.

Supplies of all kinds. E. F. Winterson Co., 45-49 Wabash Ave., Chicago.

Supplies of all kinds. A. L. Randall Co., 19-21 Randolph St., Chicago.

Supplies of all kinds. H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

Supplies of all kinds. H. M. Robinson & Co., 8-11 Province St., Boston.

Supplies and wire designs. Weigel & Ujfalussy, 136-138 W. 28th St., New York.

Supplies, wire designs, etc. The Cleveland Cut Flower Co., 215 Huron Road, Cleveland, O.

TOOTHPICKS.

Toothpicks, wired, 10,000, $1.75; 50,000, $7.50. W. J. Cowee, Berlin, N. Y.

VENTILATING APPARATUS.

Ventilating apparatus. Send for circulars. Diller, Caskey & Keen, 6th and Berk Sts., Philadelphia.

Ventilating apparatus for every type of greenhouse. New model encased, self-oiling gear. Standard Model Open Gear. Lord & Burnham Co., 1133 Broadway, New York.

Ventilators, the Standard ventilating machinery, original machine with self-oiling cups, most powerful, least complicated, very compact. E. Hippard, Youngstown, O.

Foley ventilating apparatus, unexcelled. Send for circulars and estimates. The Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Ventilators. The Advance Ventilating Apparatus. Write for estimates and circulars. The Advance Co., Richmond, Ind.

IF YOU ARE TROUBLED WITH

Scale, Thrip, Red Spider, Black and Green Fly, Mildew, Rust, Stem Rot, etc., etc.,

Use Rose's "Eureka"

The never failing remedy, $1.00 per bottle, $9.00 per doz. bottles. Agents wanted in every state.

M. H. ROSE, 46 Macomb St., **Detroit, Mich.**

OFFICIAL S. A. F.

Shipping Labels

Actual size of leaf 2¾ x 5¼ inches.

FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Price: Per 500, $2.85, per 1000 $4.50. Samples on request. Electro of leaf, postpaid, $1.25. Cash with order.

AMERICAN FLORIST CO.
324 Dearborn St., CHICAGO.

HAMMOND'S SLUG SHOT

Used in water kills Worms and Caterpillars on the

Elm, Walnut and Catalpa Trees.

The Elm tree beetle is destroyed. The large gray and white caterpillar which defoliates Black walnut. This has been proved for over 25 years of constant service. We use a 5 lb. package to half barrel of water.

(Copy.) Connersville, Ind., June 10, 1908.

MR. BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y.:

Dear Sir:—I have just returned to Connersville, Ind., having spent several months, since Jan. 1st, in Alabama.

Two years of utter neglect have given the catalpa sphynx full control of the great L. & N. plantations, and I had to watch this terrible destruction from day to day, with no apparatus to apply the remedy.

Your generous supply of Slug Shot, etc., was on hand, but nothing except a small hand spray to work with. On my own place I used this hand machine, one nozzle, and hired a large force of men to hand-pick the worms. From the first the Slug Shot killed all the worms where we used it. The two barrels of Slug Shot, 600 lbs., were soon used up, and I ordered more from the purchasing agent, at Louisville, Ky.: at any rate we are using Slug Shot with most beneficial results this season. We use about 50 lbs. per day.

The leaves have come out, and from appearances no one would imagine that these trees had been entirely defoliated only a fortnight before, looking like dead sticks.

Yours truly, JOHN P. BROWN.

HAMMOND'S SLUG SHOT KILLS ALL KINDS OF INSECTS

Sold by Seed Dealers all over America.
For pamphlets worth having, write to

B. HAMMOND, Fishkill-on-Hudson, N. Y.

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WATER LILIES.

An excellent treatise on this increasingly interesting subject treated from all points of view in a simple, practical and instructive manner. The authors have kept in mind the needs of the amateur grower as well as those of the grower of large quantities. Profusely illustrated. Price $1.17.

AMERICAN FLORIST CO.,
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BY B. P. WAGNER.

An excellent treatise on landscape gardening as it applies to beautifying the home grounds. It is written by a thoroughly experienced practitioner and contains many fine illustrations showing the correct methods of treating grounds of all kinds, yard and factory premises. Its low price should insure it a ready sale. Price $1.00, illustrated.

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THE ART OF Floral..... Arrangement.

The first special newspaper in the world for floral arrangement.

250 ILLUSTRATIONS ANNUALLY.

Specimen number free.
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ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

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This is the British Trade Paper, being read weekly by all the Horticultural traders; it is also taken by over 1000 of the best continental houses. Annual subscription to cover cost of postage 75c; Money orders payable at Lowdham, Notts.

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WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustrations. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock.

PRICE FOR CASH:
Only 15 cents per square inch.

The American Florist Co.
324 Dearborn St., CHICAGO.

WITTBOLD WATERING SYSTEM

A line of the Wittbold System, including Swivel Wheel.

NOW is the time to plan installing this system. A trial will convince the most critical that by this system better work can be done and a great deal of time saved. Let us send you 20 nozzles and a swivel wheel for $5.00, which will equip 100 feet of pipe. Write today for this equipment and also for our new booklet giving a complete description. It will pay every grower to investigate its merits.

Write for latest catalogue of the Wittbold Cement Bench Construction. Contains valuable facts every grower should consider. Sent free on request.

E. H. HUNT, Sales Agent
76-78 Wabash Ave., CHICAGO

GET OUR PRICES ON
Galvanized Wire Rose Stakes and Tying Wire
IGOE BROTHERS
Manufacturers of the Model Plant Supports for Carnations, Dahlias, Golden Glow, Peonies Chrysanthemums and Tomatoes.
63-71 Metropolitan Ave., BROOKLYN, N. Y.

Wired Toothpicks
10,000. $1.75; 50,000. $7.50. Manufactured by
W. J. COWEE, BERLIN, N. Y.
Sample free. For sale by dealers.

Florists' Refrigerators
Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.
McCray Refrigerator Co 760 Mill Street, KENDALLVILLE, IND.

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LARGE RUNS OF
CATALOGUES
OUR SPECIALTY
WRITE FOR FIGURES.
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L. BAUMANN & CO.,
76-78 Wabash Avenue, CHICAGO.
THE GREAT CENTRAL FLORIST SUPPLY HOUSE.
Everything in Florist Supplies, such as Baskets, Chiffons, Etc., Etc.
After July 1 will be at 118 E. Chicago Ave.
A sample room will be maintained at the old address.
SEND FOR OUR COMPLETE CATALOGUE.

Garman's Antipest
INSECTICIDE AND FUNGICIDE
For the Garden, Orchard and Greenhouse
Non-poisonous and harmless to vegetation.
Kills Green Fly, Aphides, Bark Lice, Thrips, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.
This is the Grower's Friend, handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. $1.50 per gallon. Also in quarts, half gallons and in bulk.
PERFECTION CHEMICAL CO., FLUSHING, N. Y.

THE BEST Bug Killer and Bloom Saver
For PROOF
Write to
P. R. PALETHORPE COMPANY,
OWENSBORO, KY.

WEIGEL & UJFALUSSY
Successors to **Emil Steffens**
Manufacturers of **Florists' Wire Designs** and **Supplies.** Established 1866.
136-138 W. 28th St. New York City.
Telephone 1922 Madison Sq.
Anything in the line of wire work and designs not listed in our catalogue will be made up promptly on short notice.

Cattle Manure In Bags
Shredded or Pulverized
Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.
The Pulverized Manure Co., 32 Union Stock Yards, Chicago

MACMINNVILLE, ORE.—S. H. Maris has handled more stock of all kinds and at better prices than ever before.

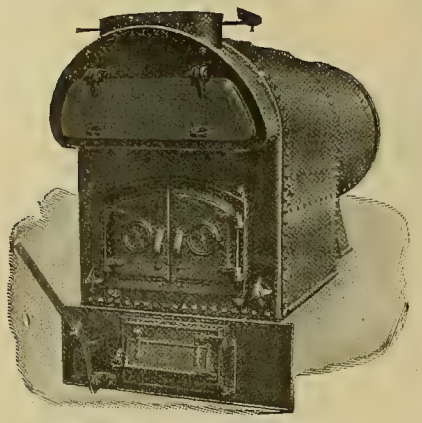
LEAD, S. D.—Alexander Rose, of the Park Greenhouses, says that Decoration day this season was a record breaker in all lines, over 100 per cent increase over last year. He says he could have sold double the amount of stock. Carnations were the favorite cut flowers, roses and Cape jasmine following. Pansies, geraniums and verbenas were the best sellers in plants.

MANSFIELD, MASS.—The greenhouses of Frank F. Shepardson were entirely destroyed by fire June 11. Loss, about $1,000.

WALTHAM, MASS.—F. A. Greenlaw has been absent from home some time and his absence is causing some uneasiness.

STEEL RETURN TUBULAR

Steam BOILERS Water

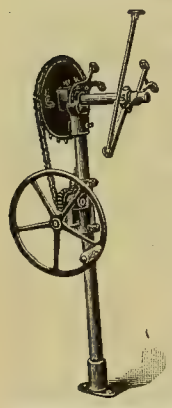


WHAT F. R. PIERSON SAYS:

JOHNSTON HEATING CO., New York City.
Gentlemen —The internally fired steel boilers which you installed last fall are giving us great satisfaction. They heat very quickly and are very economical. We are exceedingly well pleased with them and they have more than met our expectations. Very truly yours, F. R. PIERSON CO.

Johnston Heating Co., 138 East 31st. St. NEW YORK CITY

Write for catalogue and prices.



The Advance Ventilating Apparatus

It is what our line does, the ease with which it does it, its neatness, lasting qualities, all at fair prices, that makes friends of our customers and brings us the orders. Why not give us a trial? Write us about our new pipe couplings. Best thing on the market.

THE ADVANCE CO.
RICHMOND, IND.

MYERS & CO. BUILDERS OF

Modern Greenhouses

HEATING BOILERS.

1122 Betz Bldg.,
PHILA., PA.

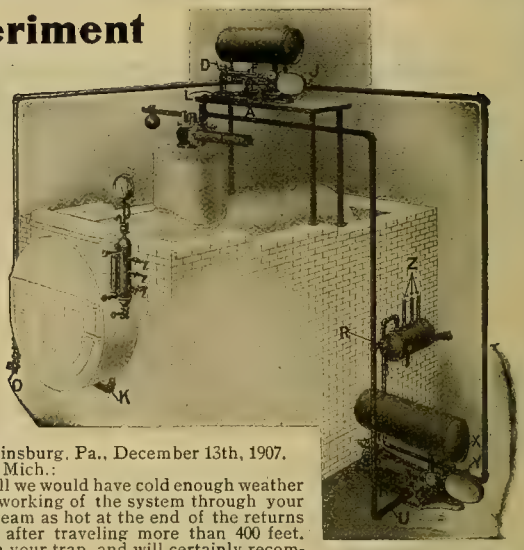
Denver.

The Decoration day trade was one of the best that we have had in the last 10 years. All of the florists had to discontinue retailing carnations over the counter about Thursday (that was two days before Decoration day), as the out-of-town orders were so heavy that it was impossible to fill two-thirds of them. Carnations were good this year; sweet peas were extra fine. Carnations brought from 75 cents to $1 per dozen, and in some cases $1.50; sweet peas, $1.50 per 100; Cape jasmines brought at least 50 cents per dozen; peonies for this spring only developed about one-third of a crop, as the buds were nipped by the frost. The growers report a great business in pot plants, especially geraniums, marguerites, petunias, etc. The floral business for June has been very good—lots of weddings, funerals and receptions. Carnations are very plentiful, although the quality is extra fine. We look forward to a good business about the first of the month.

The Morehead Return Steam Trap

Is No Experiment

Has Served The Florist Faithfully for 20 Years.



Wilkinsburg, Pa., December 13th, 1907.
MOREHEAD MFG. CO., Detroit, Mich.:
Gentlemen:—I have waited till we would have cold enough weather to have all the lines on, and the working of the system through your trap is perfect, as it carries the steam as hot at the end of the returns as it is when it leaves the boiler after traveling more than 400 feet. I am greatly pleased that I put in your trap, and will certainly recommend it to any florist who uses steam.
Very truly yours, WM. M. TURNER.

Write for Florists Booklet.

MOREHEAD MFG. CO., Detroit, Mich.

Cypress Hot Bed Sash, 90c

This Hot Bed Sash is absolutely brand new and first-class in every particular. We bough 5000 of them at a sale and give you the benefit of our low purchasing price. This sash is 3x6 ft., 1¾ in. thick 4 rows 7-in. glass dozen lots. 90c each. When ordered in single lots. 95c each.
We can also furnish glazed sash $1.60 each, in dozen lots, or $1 65 each in single lots.
We offer 2,000 **Western Pine Hot Bed Sash,** brand new, unglazed, in single lots, at 90c., or in lots of one dozen, each, 85c. Glazed, in single lots, $1.60: dozen lots, $1.55.

5,000 ft. of 3-4 in GARDEN HOSE 4c per ft. Brand new **"Competition" Garden Hose,** size ¾-in., 50 ft. lengths with couplings, per length, $2 00. Standard grade guaranteed **Rubber Garden Hose,** ¾-in., 50 ft. lengths with couplings 3-ply, per ft., 7c; 4-ply, per ft., 9c; 5 ply, per ft., 10c. **Lawn Sprinklers,** 25c. **Hose Reels,** 75c.

PIPE 100,000 ft Standard Pipe in good condition. We cut and thread to order. Write for special list.

BOILER FLUES With special threads and couplings. Can be used same as threaded pipe with calked joint greenhouse fittings at the end of run. Same strength as wrought iron pipe at half the price. All sizes.

BOILER TUBES 10 carloads of 4 in. Boiler Tubes in good condition. Just the thing for heating or re-tubing boilers. Other sizes at special prices. Send for complete list.

GREENHOUSE BOILERS Complete line of Locomotive Fire Box Boilers Kroeschell Greenhouse Boilers, Return Flue Boilers. Cast Iron Sectional Boilers, etc.

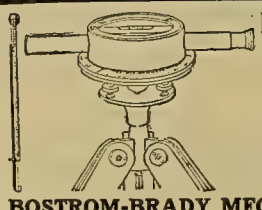
HARDWARE Everything in the line of Building Hardware, Wire and Wire Fencing. Bolts, Hatchets, Hammers. Axes—everything needed in the home, the field or the greenhouse.

PAPER FLOWER POTS Just the thing for shipping. We will close out 500,000 of these at very low prices. Write for quotations.

Be Sure and Write for Our Latest Catalogue No. 47 To-day.

The greatest book of bargains ever issued.
We Save You 30 to 50 Per Cent on Every Purchase.

CHICAGO HOUSE WRECKING CO.,
35th and Iron Sts., CHICAGO.



Bostrom's Improved Builders' Levels and Farm Levels

For Parks, Cemetery and Landscape Gardening use, take the place of expensive Engineering Instruments. Simple in construction, easily adjusted, more substantial and less cumbersome than the more elaborate and complicated instruments. Practical, up-to-date instrument that any one can use. Write for descriptive circulars and be convinced that this Level is necessary to complete your outfit. Builders' Level $25.00. Farm Level $12.50.

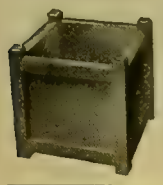
BOSTROM-BRADY MFG. CO., 130 Madison Ave., ATLANTA, GA.

C. J. Davis has rented his place to N. A. Benson, 4450 Lowell boulevard. Mr. Davis also gave up his retail establishment on Fifteenth street. The Scott Floral Co. has moved from Sixteenth and Champa to 1506 Broadway. Elitch's Gardens are going to take half of the old Scott Floral Co.'s store, and the other half will be occupied by a pharmacy. PLATTE.

THE WHILLDIN POTTERY COMPANY
THE LARGEST MANUFACTURERS OF
STANDARD FLOWER POTS
PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.

DREER'S
Florist Specialties.
New Brand New Style.
Hose "RIVERTON"
Furnished in lengths up to 500 ft. without seam or joint.
The HOSE for the FLORIST
¾-inch, per ft., 15 c.
Reel of 500 ft., " 14½c.
2 Reels, 1000 ft., " 14 c.
⅝-inch, " 13 c.
Reels, 500 ft., " 12½c.
Couplings furnished.
HENRY A. DREER,
714 Chestnut St.,
PHILADELPHIA, PA.

MISSION PLANT BOXES.



Are the best and cheapest plant boxes in the market for large plants, boxwoods, bay trees, etc. They are attractive in design, strong and durable. Suitable for either outdoor and indoor use. Write for prices.
WAGNER PARK CONSERVATORIES
Sidney, Ohio.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

J. SCHROEDER,
— MAKER OF —
Artificial Flowers,
344 Ontario St., CLEVELAND, O.

A. HERRMANN,
Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florists' Supplies.
SEND FOR PRICES.
404-412 East 34th St., NEW YORK.

Albany, N. Y.

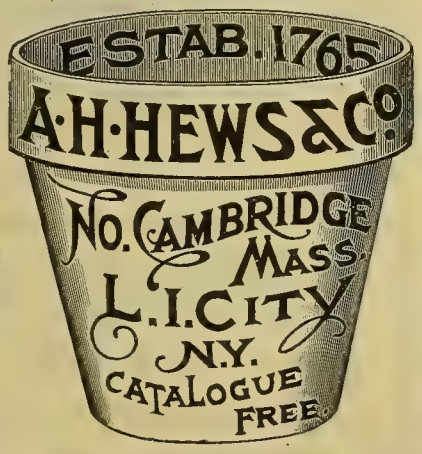
At the next meeting of the board of contract bids will be opened for installing underground conduits and cables for the improved electric lighting system to be introduced in Washington park. Superintendent Bender of the bureau of parks, who has lately assumed office, has been granted some additional police to keep order in Washington park and to prevent demolition of plants and shrubbery.

Rhienhold W. Zobel of Garbrain lane has left for Germany to remain for about five weeks. Family business in that country requires his attention. R. D.

RICHMOND, VA.—During the dull season, Ratcliffe & Tanner, 25 West Broad street, are rushing work doubling their capacity for taking care of a heavily increased fall and winter trade. The firm has been inspired to this effort by its Easter triumphs and every energy is being bent on completing the doubling of capacity ere early fall.

THE KELLER POTTERY COMPANY,
Manufacturers of FLORISTS' RED STANDARD POTS.
Azalea Pots, Bulb and Fern Pans, Etc.
Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

The Ionia Pot is the Best Pot.
That's the reason why it was necessary to double our capacity in 1907 to take care of the trade of 1908. Our factory equipment is the best. Our output is the largest.
Hand your next season's order to Uncle Sam today. Our invoice will be in your hands on his return trip.
IONIA POTTERY COMPANY, Ionia, Mich.



Standard Flower Pots!
Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500	2-in., in crate,	$4.88	120 7-in., in crate, $4.20
1500	2¼ "	5.25	60-8 " 3.00
			HAND MADE.
1500	2½ "	6.00	48 9-in., in crate, $3.60
1000	3 "	5.00	48 10 " 4.80
800	3½ "	5.80	24 11 " 3.60
500	4 "	4.50	24 12 " 4.80
320	5 "	4.51	12 14 " 4.80
144	6 "	3.16	6 16 " 4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address
HILFINGER BROS. POTTERY, Fort Edward, N.Y.
or AUGUST ROLKER & SONS, New York Agents
31 Barclay Street, New York City.

GEO. KELLER & SON,
Manufacturers of
FLOWER POTS
Before buying write for prices.
361-363 Herndon Street
near Wrightwood Ave.,
CHICAGO, ILL.

H. BAYERSDORFER & CO.,
Florists' Supplies.
1129 Arch Street, PHILADELPHIA, PA
Send for our new catalogue.

Kramer's Pot Hangers
For Sale by Wholesale Seedsmen, Florists and Supply Dealers.
Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.
I. N. Kramer & Son, CEDAR RAPIDS, IOWA.

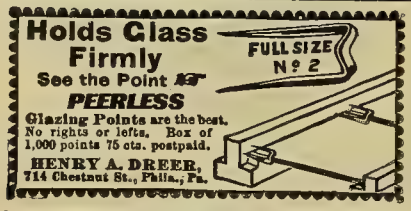
Those Red Pots
"STANDARDS"
FULL SIZE AND WIDE BOTTOMS, BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'F'Y.
HARRY BALSLEY, Rep. DETRIOT, MICH. 490 Howard St.

Florist's Red Pots
OF FINELY PREPARED CLAY.
Process and catalogue sent on request.
The Peters & Reed Pottery Co, ZANESVILLE, OHIO.

Standard Flower Pots
Porosity and Strength Unsurpassed.
Write for Prices.
A. F. KOHR,
1521 Leavitt Street, CHICAGO

MARINETTE, WIS.—I did well with sweet williams in bloom in pots for Decoration day writes Geo. Vatter.

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty, Lasts longer than putty. Easy to apply.



SIEBERT'S ZINC
Never Rust
GLAZING POINTS
Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes ⅝ and ⅞. 40c per lb., by mail 16c extra; 7 lbs. for $2.50 15 lbs. for $5.00 by express. For sale by the trade

RANDOLPH & McCLEMENTS, Successors to Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.

Lock the door before the horse is stolen, and insure your glass before it is broken.

For particulars concerning Hail Insurance, address

JOHN G. ESLER, Secretary,
SADDLE RIVER, N. J.

STENZEL GLASS CO.,
GREENHOUSE GLASS.
French and American "WHITE ROSE" Brand.
2 Hudson St., NEW YORK.

Worcester, Mass.

Decoration day business was very good, with plenty of material. Plants sold especially well. Made-up pans of geraniums, lobelia, etc., hydrangeas, Crimson, Pink and Baby Rambler roses and rhododendrons were very popular. Business in general is fair, several weddings helping to use up the supply.

There was a good attendance at the peony exhibition of the Worcester County Horticultural Society in Horticultural Hall, June 11, and there were some very good flowers shown. Especially interesting were the baskets by amateurs, which showed artistic arrangement and good blooms. The awards were:

Cut flowers—Allyne W. Hixon, Mrs. Percy G. Forbes, Mrs. Simon E. Fisher, James E. Draper.

Baskets, amateur—Ida J. Henderson, first; Mrs. Edward Warren, second; Mrs. A. E. Underwood, third; Mrs. Thomas Pollard, fourth.

Peonies—Dr. James P. Porter, first; A. J. Marble, second; Allyne W. Hixon, third; Mrs. A. E. Hartshorn, fourth; Walter D. Ross, fifth.

R.

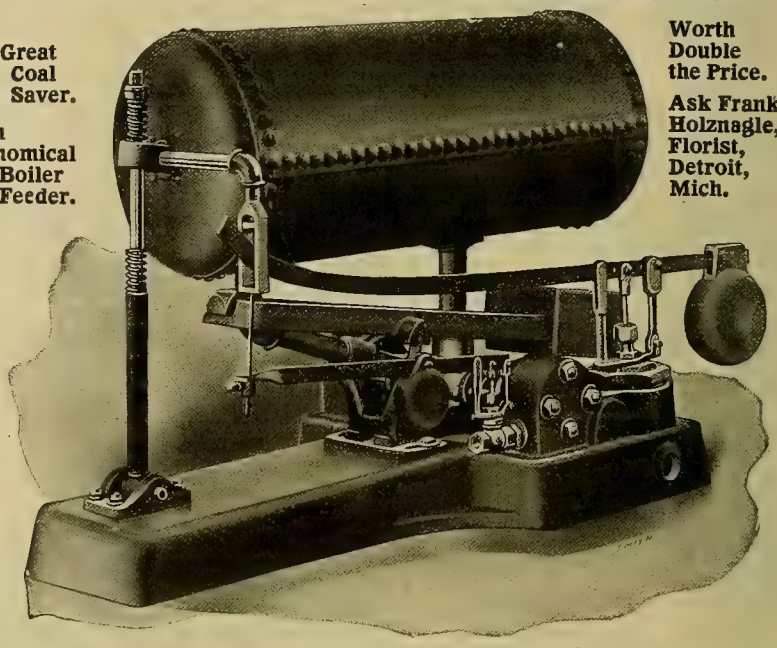
TRENTON, N. J.—Stevens Bros. has incorporated with a capital of $100,000 to plant and grow flowers, etc. The incorporators are: Wm. K. Stevens, C. S. Stevens and G. W. Stevens.

"DETROIT" AUTOMATIC RETURN STEAM TRAPS.

For Steam Heated Greenhouses. "Detroit" Traps will keep entire system free from water at all times, making every foot of heating surface hot and efficient, returning automatically all water of condensation directly into the boiler—hot—and without a pump or injector.

A Great Coal Saver.

An Economical Boiler Feeder.



Worth Double the Price.

Ask Frank Holznagle, Florist, Detroit, Mich.

Write us number of feet and size of pipe in your greenhouse. IT WILL PAY YOU.

AMERICAN BLOWER COMPANY, Dept. A. F, Detroit, Michigan.

Attention!! Glass Buyers!!

WHILE IT LASTS.

A limited stock of highest quality HAND-BLOWN GREENHOUSE GLASS at the following RECORD-BREAKING PRICES:

	Per box.		Per box.
16x18 A, Double Strength	$1 96	16x24 A, Double Strength	$2.11
16x18 B, " "	1.82	16x24 B, " "	1.96

F. O. B. Chicago. Net cash. Mention prices when ordering.

H. M. HOOKER COMPANY,
WHOLESALE GLASS AND PAINTS,
Long Distance Phone Monroe 4994.
120 to 128 W. Washington St., Chicago.

The James H. Rice Co.
IMPORTERS and JOBBERS
GREENHOUSE GLASS
A SPECIALTY.
Window Glass, Paint, Putty, etc.
Office and Warehouse: Corner of Michigan, St. Clair and Illinois Streets, CHICAGO.

SPRAGUE, SMITH CO.
Jobbers of WINDOW GLASS.
GREENHOUSE GLASS
A SPECIALTY.
167-169 Randolph Street, CHICAGO.

Expressions From Men Who Know

Mr. J. G. Frisz, of Vincennes, Ind., writes as follows.
"Your No. 13 boiler is carrying 25,000 square feet of glass and I can keep it at 60° in the coldest weather without any trouble. I have three other types of boilers also heating a range of 25 000 square feet of glass, but the **No. 13 Kroeschell boiler only takes half the coal** and half the work to get the same results."
P. S.—Mr. J. G. Frisz, of Vincennes, Indiana, has the largest range of glass in Indiana devoted to vegetable forcing.

Damm Bros., Chicago, Ill., write:
"In 1894 we bought one of your No. 12 boilers to take the place of four smaller boilers of another make. Your boiler has done the entire work to the highest satisfaction. **Saving labor** and about **one-third of the fuel** we used to burn before. We had that boiler up to 1906, that is 12 years, having no repairs on it whatever, except one set of flues we put in in 1900. Last fall we installed one of your No. 14 boilers, having enlarged our plant. It takes care of 35,000 square feet of glass very easy. When firing we keep the ash door open only about one inch. We think your No. 14 boiler could carry 40,000 square feet of glass."

Mr. Nic Zweifel, North Milwaukee, Wis., writes:
"I have a range of 200-foot houses with a total of 27,000 square feet of glass **I can get all the pipes warm in 30 minutes** with one of your No. 13 greenhouse boilers and it is very easy firing. Can fire just as easy with screenings as with lump coal."

W. W. Allabaugh, Silverdale, Pa., writes:
"Your boiler gives entire satisfaction. You will notice the No. 4 boiler is rated to warm 10,500 square feet of glass and I have over 12,000 square feet of glass."

Theo. Diedrich, Anacostia, Washington, D. C., writes:
"No. 6 boiler carries 2 houses 20x172, and three houses 22x96; **this is 3,200 feet of glass more than its rating."**

Wm. Pinchbeck, Ridgefield, Conn., writes:
"I expect to enlarge my plant soon and when I do shall use another of your boilers. Now a few words about the boiler I bought of you in 1901. This is a **No. 1 boiler,** rated in your catalogue at 6,000 square feet. It is taking care of **7,000 square feet of glass** in carnation houses and works to perfection. No trouble whatever in cold nights; no night fireman; easy to work and easy to coal. I consider this the best boiler on the market and I have used a good many different kinds."

Jacob Phillips, Rogers Park, Chicago, Ill., writes:
"Have 20 000 square feet of glass. Can keep 60 degrees in coldest weather. Had one boiler 15 years, only expense one set of flues. Kroeschell boiler is so satisfactory that I do not care to try any other.

G. Basler, Buffalo, N. Y., writes.
Had different kinds of cast iron boilers. I am assured that I can **save about one-third fuel** with your boiler. I started firing October 10th and the fire never went out up to this time, May 12th, 1907. This boiler heats both my dwelling and greenhouses and gives the best of satisfaction. My dwelling is about 40 feet from the boiler. Can recommend your boiler to anybody. **It is the only greenhouse boiler."**

Chas. W. Unglaub, Springfied, O., writes:
"I had a cast iron sectional boiler before I got yours; would not give yours for a dozen of the others. Your boiler is the **quickest heating boiler I ever saw.** I hardly ever have the damper over half open and the draft shut most of the time. I wish I had gotten it four years ago, when I got the sectional boiler. I would be ahead now. In the four years I had to buy a new section and four heads that had cracked, and I had to be right with the cast iron boiler, and I would have to fire every twenty or thirty minutes. **It took more coal than your boiler.** The cast iron boiler took much more attention and more coal and would be leaking half the winter. I want no more cast iron sectional boilers."

THE KROESCHELL BOILER IS BUILT RIGHT FOR FUEL ECONOMY, DURABILITY, SAFETY

and is the most popular boiler made. During the season of 1906-1907 **The Kroeschell** boiler was installed to heat **4,286,000** square feet of glass. **1346 Cast Iron Boilers** were replaced by **The Kroeschell** in 1904, 1905, 1906, 1907. No other type of boiler has ever equaled such a record or made so many friends. Send for catalogue.

Kroeschell Bros. Co., 45 Erie St., Chicago.

Our Pastimes.

Announcement of coming contests or other events of interest to our bowling, shooting and sporting readers are solicited and will be given place in this column.
Address all correspondence for this department to A. F. Faulkner, 1133 Broadway, New York; Robt. Kift, 1725 Chestnut St., Philadelphia; or to the American Florist Co., Chicago.

At Chicago.

BOWLING.

The following were the scores of the local bowlers at the club's regular Tuesday evening gathering at Mussey's alleys this week:

E. F. Winterson	115	156	...	...
Geo. Asmus	170	167	166	180
C. W. McKellar	127	124	166	105
Chas. Balluff	144	125	135	192

The ladies' scores were as follows:

Mrs. Winterson	96	76	89
Mrs. Asmus	148	72	125
Mrs. McKellar	87	125	119
Mrs. Balluff	74	49	85

BASEBALL.

The Florists', W. P. Kyle's ball team, won their game Sunday from the Progressives by a score of 9 to 2. The battery for the Florists was Dillon, pitcher, and Connors, catcher. The remarkable feature of the game was the striking out by Dillon of 11 men and giving the opponents only three hits and two runs.

THE A. L. RANDALL CO.'S PICNIC.

R. Meyer, of Riverside, will entertain the A. L. Randall Co. and employes on his grounds, the Reisig grove, next Sunday.

SUNNYDALE, CALIF.—N. Krassman has about doubled the capacity of his greenhouses and is now going in for growing cut flowers as well as vegetables and plants.

We will stake our

IMPROVED METHOD OF

HEATING

against any other steam or Hot water system of heating on **every point necessary** for a **satisfactory heating system.**

We secure a **greater flexibility** of the heating medium, also secure **economy** in **installation** and in **fuel** for **operation.**

We guarantee users of our systems against infringements.

SIMONDS HEATING & SPECIALTY CO.,
103 Washington Ave., DETROIT, MICH.

Builds Bughouse.

Deputy State Horticultural Commissioner Carnes was standing on Thirteenth in Capitol park, Sacramento, Calif., watching the excavation work being done on the insectary site.

"What yu buildin' here?" asked a curious stranger, who carried with him the air of a hay field.

"A bughouse," answered Carnes.

"Think yur dum smart, don't you?" came back from Mr. Dairycow, as he moved away with his nose in the air. He ambled along, and his curiosity again got the better of him. He asked a workman, and the same answer came back. Mr. Dairycow went right up in the air and became real indignant.

Carnes' heart melted and he explained.

"Thot yu was plaguein' me," apologized Mr. Dairycow.

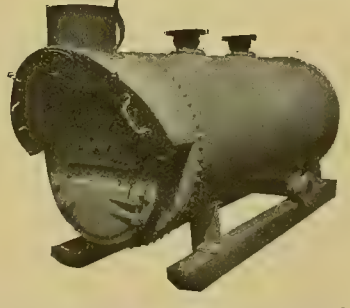
SPORTING CUSTOMER: A pound of cheese, please.

Grocer: Gorgonzola or Cheddar?

Sporting Customer: Oh, I don't care! Start 'em both across the counter and I'll take the winner.—Illustrated Bits.

Superior to All Others

FOR HOT WATER HEATING.



Superior Machine & Boiler Works
125 W. Superior St., CHICAGO, ILL.
Write for prices and catalogue.

Louisiana Red Cypress

As described by Bassett & Washburn.

CHICAGO, Nov. 20th, 1906.

Dear Sirs:-- Replying to your favor requesting our experience with Pecky Cypress, we will say, we have been using this grade of Cypress in our greenhouses and plant benches for the last **ten or twelve years** and so far **have not found any of this wood that has all rotted out.** We formerly used Hemlock and Pine but found that 2-inch stock only lasted about four years while so far we have had no Pecky Cypress rot out in ten or twelve years. We use clear Cypress for all our roof work, ventilators, etc., and it is very satisfactory. **We think it is the only kind of lumber for the purpose.**

IT IS THE MOST DURABLE WOOD KNOWN. Ask about it at your local lumber yard or write

LOUISIANA RED CYPRESS CO. HIBERNIA BUILDING, **New Orleans, La.**

European Horticulture.

FROM THE GERMAN TRADE PAPERS.

TROPEOLUM FL. PL. DARMSTADT.—Double flowering nasturtiums continue to hold the German plantsman's undying interest in novelties of this class. And this, too, despite the well known fact, that these double forms, spontaneously appearing from time to time, bear no seeds and can only be propagated from cuttings, a process, in every instance, limiting the existence of the newly acquired variety to but a season or two. The latest introduction in novelties of this order is the variety Darmstadt, exhibited last summer at the international show held at Mannheim, and is declared to be the finest of double-flowering tropæolums, ever placed before admiring multitudes. The color of the flowers, produced in great numbers, is a shade of intense orange scarlet and their fragrance highly agreeable, while the plants, as was shown at Mannheim, may be made to serve many purposes, be used in screens and trellis effects, in vases and baskets, as a pot plant proper and as a creeper for the covering of a large space of ground in park or garden.

DAHLIAS.—The statement frequently made of late by prominent growers that the climax in the improvement of dahlias had now been reached and that any varieties finer than those evolved so far need not be looked for in the future, seems to be disproved by a survey of the novelties sent out last year or to be put forth this season. All types are represented in the imposing array of newest and but recently introduced dahlias and the end as yet is by no means in sight. The practical step, taken in the early part of this year by the German Dahlia Society in establishing trial grounds at Frankfurt with a view of thus learning the true merits of the newer varieties, deserves commendation.

AUSTRALIAN ACACIAS.—Riviera growers have hit upon acacias in their efforts to respond as far as possible to the widespread call for greater variety in their products, now forming the principal supply in cut flowers for northern Europe. Cut sprays of acacias have met with high favor everywhere and the demand for this particular item in orders from all parts has grown to unlooked for proportions. Of acacias, to be found in Australia, no fewer than 550 species exist. Of these, so far, but a small number has been subjected to test cultures in the Mediterannean coast districts, and this not without surprising success in nearly every instance.

NIGELLA DIVERSIFOLIA.—A new variety from Turkestan, forming compact little bushes 12 to 15 inches high, flowering very freely; blossoms are about an inch in diameter, light blue, with the fringed green collarette common to all the nigellas.

They Are Aluminum Finished

A heavy coat of glistening aluminum paint is given to all the interior iron parts A paint that will not crack, peel off, mildew or lose its lustre and that lasts for years. U-Bar houses are the simplest, strongest, lightest, most attractive, enduring and productive houses built, and cost less to maintain.

The ideal construction for private estates, parks, public institutions and florists' showrooms

Send for Catalog.

U-BAR GREENHOUSES

PIERSON U-BAR CO.

DESIGNERS AND BUILDERS 1 MADISON AVE., NEW YORK

LUMBER for Greenhouse Benches, Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.

We are in special position to furnish "PECKY" CYPRESS; everything in PINE and HEMLOCK BUILDING LUMBER. WRITE FOR PRICES.

Adam Schillo Lumber Co. Cor. Weed and Hawthorn Sts., CHICAGO. Tel. Lincoln 410 and 411.

Send Your Advertisements Early.

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXX. **CHICAGO AND NEW YORK, JULY 4, 1908** **No. 1048**

THE AMERICAN FLORIST

TWENTY-THIRD YEAR.

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Entered as Second-Class Matter Nov. 11, 1891, at the Post Office at Chicago, Illinois, under Act of March 3rd, 1879.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—FRANK H. TRAENDLY, New York, Pres.; W. N. RUDD, Morgan Park, Ill., Secy.; H. B. BEATTY, Pittsburg, Pa., Treas. Next meeting at Niagara Falls, N. Y., August 18-21, 1908.

TRADE EXHIBITION MANAGER—Chas. H. Keitsch 210 Main St., Buffalo, N. Y.

THE NATIONAL FLOWER SHOW.

CHICAGO, November 6-15, 1908.

Wm. F. Kasting, Buffalo, N. Y., is chairman of the general committee in charge. Chairmen of sub-committees follow:

EXECUTIVE AND FINANCE—Wm. F. Kasting, Buffalo, N. Y.

AMERICAN EXHIBITS—Ph. Breitmeyer, Detroit.

FOREIGN EXHIBITS—E. G. Hill, Richmond, Ind.

PREMIUM LIST—W. N. Rudd, Morgan Park, Ill.

ADVERTISING AND PUBLICITY—Geo. Asmus, Chicago.

LOCAL MANAGEMENT, PRIVILEGES AND CONSESSIONS—J. C. Vaughan, Chicago.

SPECIAL FEATURES—Otto G. Koenig, 6471 Florisant Ave., St. Louis, Mo.

RECEPTION—Aug. Poehlmann, Morton Grove, Ill.

AUDITING—J. A. Valentine, Denver, Colo.

TREASURER—I. C. Bertermann, Indianapolis, Ind.

The above chairmen have power to select their Various committees from the general committee of 50 or the members of the S. A. F. at large.

THE AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Annual convention at the twin cities, St. Paul and Minneapolis, Minn., August 11-14, 1908. JOHN F. COWELL, Buffalo, N. Y., president: F. L. MULFORD, Harrisburg, Pa., secretary-treasurer.

It Helps to Land the Winner.

He who seeketh after fame
Has to trumpet forth his name.
He that has some goods to sell
To the world the news must tell.
He that hopes to build a trade
Must not be of print afraid.
He that wants to catch the crowd
Has to call his wares aloud.
He that would new ventures float
Must induce folks to take note.
All this means, without disguise,
He who'd win must advertise.

SUGGESTIONS FOR PLANT GROWERS.

Pandanus Veitchi.

Side shoots of this useful plant root very freely now and it is seldom that there is an over abundance of it in the small and medium sizes. The newer P. Sanderi is not nearly as good a plant as the old form. The yellow tinge in the center of the plant is too suggestive of an unhealthy specimen of P. Veitchi, damping off. Older, larger specimens take on a deeper color that is more attractive, but as a small market plant P. Veitchi is decided superior. Grow the young stock on in a good light and a moderately poor compost, this bringing out the variegation better than a rich soil.

Chrysanthemums.

Constant attention is required now to keep the young stock for pot plants moving and prevent its getting starved on the one hand or too heavily potted on the other. The little plants must be stood in an open, sunny position and the shoots must be regularly pinched until a sufficient number are produced. Before they get pot bound in the small size pots shift them into 4-inch or 4½-inch, using a thin potting stick to firm the soil well between the pot and the old ball of soil. The very best of compost must be used for these plants, in order to keep the lower leaves in good condition, for if they lose these the plants cut a poor figure at flowering time. Keep them well apart and look over them regularly twice a day for water. Before repotting and when in the least potbound it is almost impossible to overwater the plants, but it is easy to do so when in the new soil.

Poinsettias.

It is necessary to do everything possible to keep poinsettias that are to be finished in pots dwarf and compact in habit, and for this reason, just as soon as they are established in their first pots, they must be stood well apart in the full sun. They soon take a good hold on the compost and need frequent watering. It does not matter where they are, provided they have ample light and air around them at all times. They will do just as well in frames outside as on the benches in the greenhouse; anywhere, in fact, as long as their needs in regard to watering the roots and maintaining a moist atmosphere around the leaves are looked after. Firm potting from the first is an aid to keeping them dwarf. The plants are not apt to be troubled much by insects, but should aphis or white fly put in appearance see that measures for their destruction are taken at once.

Forcing Roses.

While not advising keeping roses in pots all the summer generally, there is no doubt that for very early forcing it is an advantage to have some plants that have not been disturbed and can go into a moderate heat almost at once instead of—as in the case of plants lifted from the open—waiting until they are re-established. Such plants will have been cut back after flowering, are now beginning to push up long shoots and are just in the right condition for repotting. Give a good shift and place some rough bones over the drainage material. Use good sound loam and semi-decayed cow manure for compost and do not be afraid to use the potting stick, as a good growth cannot come from loose soil. Arrange the plants in a protector or bed and stand the pots on a hard bottom to prevent rooting through. Plunge the pots to the rim in ashes, soil or fiber and water and spray the growth regularly to encourage the production of long vigorous shoots.

Begonia Gloire De Lorraine.

Although the young plants do not make a very great amount of growth for another month or six weeks, they need the best of care. An important point is to watch the watering carefully, for too much moisture when the roots are not in a condition to make use of it closes the soil to the ingress of air and leads to an unhealthy condition at the root, which is soon reflected in yellow, thin textured leaves. Do not allow the little plants to remain in one position too long without giving them a new stand. The drainage holes in the pots get filled up, and, where the water used is at all inclined to breed slime, this grows over the pots and staging material, excluding air and preventing the proper drying out of the compost. When giving a new stand clean the

pots where necessary and loosen the surface soil, re-arranging the plants so that all the stronger are in one place and the weaker in another, this facilitating watering. Stock that has been shipped in from a distance out of small pots must be very carefully treated at first, and subjected to what may be termed convalescent treatment. Place them in pots a size or two larger than they were previously growing in and arrange them under a light shade, removing any leaves that may have become loose in transit and watering with extra care.

Cinerarias.

If large plants are needed an early batch of cinerarias may be sown the first week in July, but for ordinary sized plants it is best to wait another month. Cineraria seeds are not very large and require care in sowing, but given proper attention a very good percentage come through if the seed is good. Prepare flats or seed-pans carefully, with a good percentage of sand in the upper layers. Thoroughly soak every particle of soil before sowing the seed, as this prevents sinking and shifting of the soil afterwards and does away with the necessity of watering until the seed has germinated. The cineraria cannot stand heat at any stage of its existence and even the seed should be raised in a cool frame. Cover the seed with a little dry soil after sowing and use the bottom of a flower pot or a piece of smooth board to level this by gently tapping the surface. Sheets of brown paper cut to the size of the flats or pans may be placed on the top and the only attention necessary afterwards is to damp around the flats to maintain a moist atmosphere around them until the seedlings are up. The above sounds perhaps like a good deal of trouble, but a crop must be well started if it is to be a success and a good batch of cinerarias in spring is a valuable asset.

General Work.

The most important point of the plantsman's work in summer is to provide a suitable atmosphere for his plants under glass. Under a hot July sun, with the abundant air supply that must of necessity be given, the houses need constant damping to keep the air healthy and brisk. It is easy when entering a house to tell whether the proper balance of air, sun heat and moisture is present, and when it is right the plants practically need little attention beyond keeping the roots moist; they grow themselves. It is where the houses are left closed at night and until so late in the morning that the temperature begins to rise and a stuffy feeling is created that insects breed and plants lose health. The questions asked by beginners in plant culture nearly always refer to temperature, soil or watering the roots, showing that the treatment of the atmosphere, the most important of all, is quite outside their calculations. Another important point now is to see that all plants in the houses are kept in cultivation. If they are done with, throw them out; don't keep on watering plants that will never be any use. If they are potbound repot them or feed so as to keep them growing and healthy and, above all, never allow rubbish and dead plants to remain as a hiding place for insects. We have so often called attention to the absolute necessity of cleanliness that we will not further refer to it here beyond saying that without it all other cultural details are futile.

THE RETAIL TRADE

Keeping Cut Blooms of Oriental Poppies.

F. P. Dilger, the well known grower of Milwaukee, Wis., says that oriental poppies keep easily three days when cut in the morning soon after the buds open, then plunged in water to within five or six inches of the blooms and kept there over night.

Carnation and Rose Cross.

The cross depicted in the illustration is the work of W. L. Hundertmark of M. McAllister & Co., Passaic, N. J., and shows how good effects may be produced by working a few good flowers over a solid cross. In this cross white carnations were used in the ground work, the other flowers being Bride roses, interspersed with Asparagus plumosus. The ribbon was lavender.

VAUGHAN'S SEED STORE, Chicago, filled a telegraphic order recently from Alex. Graham Bell, of telephone fame, now located at Washington, D. C., for the funeral of the late Wm. H. Hubbard, of Lake Forest, Ill. It is said that Mr. Hubbard was the first person to hear the human voice over the telephone, the instrument being a very simple model which the original inventors had devised.

Good Funeral Work.

The accompanying illustration is of some fine funeral work turned out by J. F. Ammann from his new place at Alton, Ill., for the funeral of the late F. W. Grosh. The lady in the front, near the broken wheel, is Mrs. Al. Dietschy, now employed by Mr. Ammann, and a glance at the designs is sufficient to show that she is an artist in her line.

Summer Flowers in the New York Stores.

What is now generally understood in the trade as a summer flower is any variety of any family of flowers that is useful for the work of the designer and decorator, or to sell in bunches during the summer season. Doubtless the trend of thought among our originators and hybridizers, during the past 25 years, has been, for obvious reasons, more toward good winter or greenhouse flowers, but there has been some noteworthy exceptions. Some of our present-day buyers who, ever and anon, roar like the bulls of Bashan over poor stock, would do well to talk with some of the fathers in horticulture and learn what they in years gone by have had to put up with. Nothing better illustrates the great advancements in horticulture than the fact that, as a rule, really good stock is at

FLORAL CROSS BY M. McALLISTER & CO., PASSAIC, N. J.

FLOWERS FOR THE FUNERAL OF JUDGE GROSH, BY J. F. AMMANN, ALTON, ILL.

the command of the retailer every month in the year.

ORCHIDS.

Within a comparatively short time I have attended two funerals, both being of men of the great middle class. In both cases such a wealth of orchids as was there shown would have been impossible but a few years ago. The work of the orchid specialists has been so admirable that they have brought the proprietors of the metropolitan stores to look upon orchids as a staple in their trade and almost as necessary as roses, and it may be added that the cattleya occupies about the same relative position in the orchid family as does the American Beauty among roses.

ROSES.

It was long ago said, and has been frequently repeated, that American Beauty was in a class by itself and, notwithstanding the multiplication of new varieties, that saying is as true today as when first uttered. True, it is not suitable for all purposes for which some other varieties may be used, but that is more than counterbalanced by its vast superiority over all other varieties for purposes of display, and for what may be termed its body and staying qualities. It may well be placed at the head of summer flowers, for no leading metropolitan store can afford to be without it in summer, if it is to be had, and the specialists seldom permit a shortage. For a white summer rose nothing can now be seen in the New York stores that is comparable to Kaiserin Augusta Victoria. At various times there has been talk about summer roses that were just as good as Kaiserin. However that may have been, it is a certainty that just now summer is here, and so is Kaiserin with its fine qualities unimpaired; the just-as-good roses are not in evidence.

From the first time I ever saw Killarney, I have had great faith in it, and events have justified the judgment of its friends. It might be straining a point to call it an ideal summer rose, but it is the best pink of its class that we now have or are likely to see this summer. It opens quickly, but even when wide open it is not worthless, as some others are. There is no great summer demand for red roses, and those who want them must, as a rule, take Richmond or go without, and under these conditions it goes.

LILY OF THE VALLEY.

The specialists in lily of the valley forcing have brought their business to such perfection that a good supply of it is at all times available, and the designer who is after good stock no longer considers the outdoor crop. This is one of the stocks that can be effectively used for different purposes, and its continuous supply is a boon to the retail trade. The Longiflorum lilies are now always to be had throughout the summer and L. rubrum, if not particularly useful, has a place. There are many other flowers, such as gaillardia, coreopsis, delphinium, etc., that are frequently seen, but they are of minor importance.

Though sweet peas are now forced on an extensive scale they are essentially summer flowers, and now that an abundant field crop is coming, in a variety of colors, we are more and more impressed with their beauty and usefulness. Though it has been long considered a cheap and common flower, the daisy in its varieties not only holds a place in the large and small retail stores, but also seems to have a firm hold on the affections of the flower-buying public. My attention was recently called to an outdoor wedding decoration, where a walk 90 feet long was on each side roped with daisies, while thousands more were used in the altar decoration, the effect being fine. While this was an exceptional case, it goes to show that as a summer flower the daisy is still in business.

I have recently been much impressed with the value of the centaurea as a summer flower. It can be used for other purposes, but in none with better effect than funeral work, and now that the carnations are growing scarce, in the gap that intervenes between the carnations and asters it can be made useful and beautiful in combination with other larger flowers.

PEKIN, ILL.—Geo. A. Kuhl is making a fine display of gloxinias in the window of his retail store.

SUNNYSIDE, WASH.—The women of the Improvement Club have arranged for the purchase of one acre, one and a half blocks west of the main street, for a city park.

WILKESBARRE, PA.—Miss Jean Price, a clerk for A. W. B. Evans, escaped from a serious accident during the storm of June 24. Miss Price was standing in the front part of the store when the wind broke the large plate glass and scattered the pieces all around her.

THE ROSE.

FOLLOW up disbudding regularly and pinch the strongest shoots that spring from the bottom.

IF the benches are not ready for the young plants give them a shift before they get potbound.

CANADIAN QUEEN, a fine sport of the old Mme. Cusin is an excellent free flowering rose worthy of extended culture.

Notes in Season.

After planting out the young rose stock, the next thing in order is to have the plants staked and tied. A very substantial contrivance for fastening the running wires to at the end of the beds or benches can be made of 1-inch pipe. Place one at each side of bench on a line with the outside rows. These uprights should be driven firmly in the ground and fastened to the end board with galvanized clips. Before driving the uprights in the ground they should be threaded on one end and a 1x1¼-inch tee run on the threaded end; now cut a cross piece of 1-inch pipe just long enough to come fair with the outside of tees when the uprights are in position. A cut nail will wedge the 1-inch pipe in the 1¼-inch tee and the cross pipe can be quickly adjusted or removed. If kept painted, these wire supports will be neat in appearance and will last indefinitely. The uprights should be high enough to bring the cross-bar about 3½ feet above the soil. Use 5-foot galvanized wire stakes for the roses and by tying them 3½ feet from the soil the running wires will be up out of the way while cultivating or tying the plants. When tying the stakes to the wires, take two wraps of twine around one side of the stake, then bring the cord around the stake and once around the running wire and tie. This tie will prevent the stakes from sliding back and forth on the wires. If there are four rows of plants to the bed, stake, wire, and tie the two center rows first.

After the stock is planted and tied it is only a short time before there will be a crop of weeds to pull. We usually allow the weeds to get growth enough so that they can be readily removed by allowing them to grow to three or four inches. They can be cleaned out almost at one weeding, as there will be no small ones left. After weeding, the beds should be carefully cultivated, stirring the hollow places left at the base of the plants for watering first. Stir the surface evenly and pulverize any lumps that may be found on the surface, leaving this level. Some care must be exercised in doing this work as an uneven surface will make the watering uneven. Syringing twice a day is also in order, as early as possible in the morning and again early in the afternoon. Give the plants all the air possible day and night, but avoid draughts from open doorways. Keep the walks wet on bright days, but not too wet. They should be dry at night. See that there are no leaky faucets in any of the houses to form stagnant water in the walks or under the tables.

If the young stock shows any signs of green fly, choose a cool night and fumigate freely with fumigating paper. Syringe with all the force at command, as there are always some red spider lurking on some of the old foliage. It is also quite necessary to spray the old plants twice a day; also the indoor summer roses, as this encourages rapid, clean growth and helps wonderfully in keeping the buds up to a better size. Everything in and around the rose houses should be kept scrupulously clean and in no instance should the cultivating be neglected. Cultivate once a week until the surface roots appear, which will mean from now until the middle of August or beginning of September, according to the time the stocks were benched.

E.

Temperature for Roses.

ED. AMERICAN FLORIST:

About what temperature should be maintained for Enchanter and Killarney roses? L.

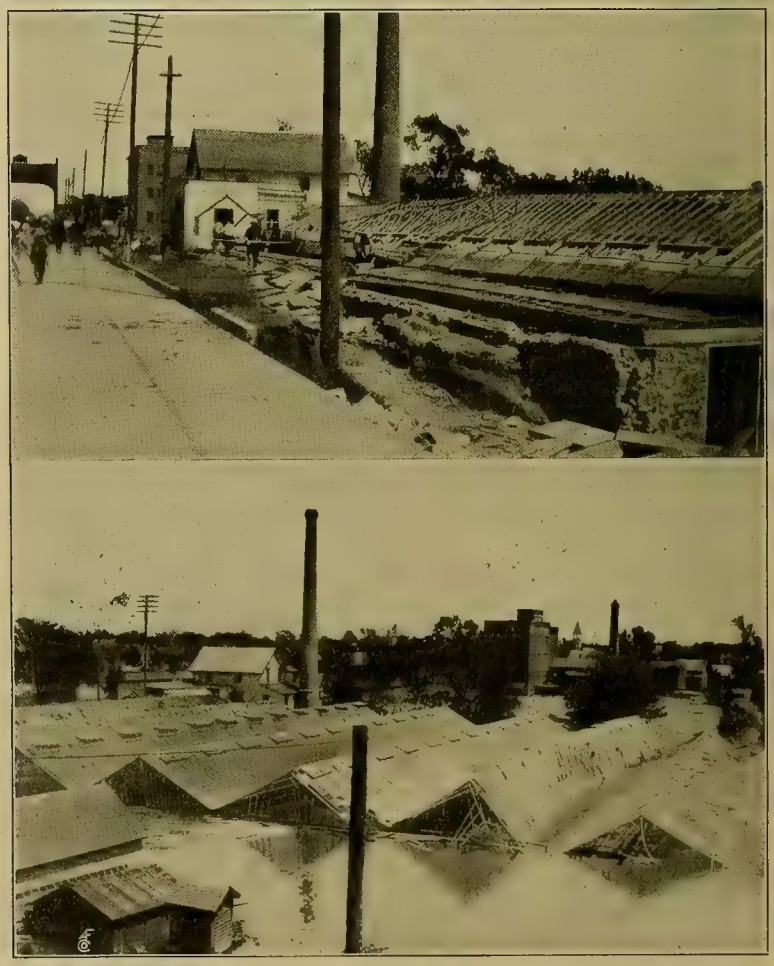
At this time of the year it is usually impossible to keep these roses too cool, but during the winter a night temperature of 58° is about right.

Storm Damage at Austin, Minn.

On June 20, Austin,, Minn., was visited by a severe wind and hail storm, which did a great deal of damage to trees and shrubbery. It also broke a great deal of glass for A. N. Kinsman. But this was as nothing compared with the flood which followed and which reached its height the following Tuesday, and which practically wiped out Mr. Kinsman's fine range of glass. Mr. Kinsman's houses are located on the west bank of the Red Cedar river, about 10 feet above the normal height of the water, and water had never been known to rise above this, but the continuous heavy rains swelled the river until it was about 24 feet above the normal stage of water and the accompanying pictures will only give a slight idea of the havoc it wrought to Mr. Kinsman's place.

The houses were all modern, two having just been completed (these are not shown on picture), and were nearly all newly planted to roses. The walls were of concrete and the gutters iron throughout, and it was considered one of the modern, well arranged ranges in this section. But it was all but wiped out; nearly everything was carried away, even the coal was carried out of the basement. Besides the destruction of the greenhouses there was the living house, which suffered considerably; also the stone sidewalk and embankment in front of the place. Some 7,000 fine carnation plants are also buried from three to eight feet under sand and mud.

Mr. Kinsman doesn't believe in giving up, though, and has a large crew of men clearing away the debris and will partially re-erect the houses as quickly as possible. It is a hard, sad blow both to Mr. and Mrs. Kinsman, as the place represents the labors of a lifetime nearly, by one of the squarest and most conscientious men in the trade today. He has the sympathy of all who know him in this great calamity. Anyone having rose plants to spare would do Mr. Kinsman a kindness by sending him a list of varieties with prices. The pictures do not show the flood at its highest stage, as it was impossible to get near enough, but they will give an idea of what it was like. O.



FLOODS AT AUSTIN, MINN.
Portion of A. N. Kinsman & Co,'s greenhouse plant during the flood and afterwards.

OPENING DAY OF THE WARETOWN (PA.) ROD AND GUN CLUB AT JOHN WESTCOTT'S CLUBHOUSE.

Left to Right, Top Row.—W. J. Stewart, Col. Castle, J. N. May, Edwin Lonsdale, W. K. Harris, John Westcott, Richard Lynex (aged 87).
Front Row.—John Burton, S. S. Pennock Daniel Donoghue, Joseph Lynch, John Dunham, Charles Eimerman, A. C. Patterson.
Second Row.—Wm. Westcott, George Anderson, George Craig, George Redford, Robert Craig, G. C. Watson, David Rust.
Robert Craig, John N. May, Edwin Lonsdale, John Burton and W. J. Stewart are S. A. F. Ex-Presidents.

THE ALLIED TRADES

Greenhouse Construction for Carnations.

By Philip L. McKee, of the John C. Moninger Co., Chicago.

It is of the utmost importance that every greenhouse be built so that the plants will get an abundance of light. Light is the first consideration in every case and too much emphasis cannot be laid on this point: Be absolutely sure before building that a nice, light house will result and there will be no trouble in growing high class stock.

Probably nothing is so important, next to the amount of light, as the durability of materials used in constructing the house. There is absolutely no sense in building greenhouses that cost half of the profits to keep in repair. Get good, durable materials when building, but at the same time do not put all the money into one small house. In other words, do not put up houses that are so expensive that 10 years' profits will not pay for them.

With these two important questions settled, the next thing that confronts everybody is the cost of the materials needed for the house. Some of the unwise fellows believe in getting any old thing from a planing mill; pine, hemlock or whatever they can get for the least money. They build houses any style and some of them have fine results with the first year's crop but it is poor business at the end of five years when the houses must be rebuilt or torn down. The five years' profits are gone and nothing to show for it. The fellow who goes at the thing this way is a failure in the florist business before he starts and, if by good luck he does hold out, he makes but a very small profit and works hard to get it. This is the man who wants to "build cheap." The man who goes to the other extreme is just about as foolish for, although he grows good stock and makes good money, the interest on his investment eats up all he makes.

THE CYPRESS GREENHOUSE.

The florist with a keen sense for business will think carefully before building his greenhouse and put up structures that are not too cheap or too expensive. There is always a happy medium and we believe that in greenhouse construction this medium is the cypress house. Be it understood here, however, that we are talking to the commercial florist or the florist who is growing plants and flowers for the money there is in it and not for pleasure. It is unnecessary in this article to go into details regarding the advantages of the cypress greenhouse but here are two things to think over: If by using any old lumber, second hand or what not, a house is built that will last eight years for $600, thereby saving $200 on the cost of a house that would last 25-30 years; how much is saved in the end? These houses would be torn down and rebuilt three times at a cost of $1,800, and the grower would be out $1,000, to say nothing of the difference in the profits, the time, the worry, and the hard work. On the other hand if this up-to-date cypress house can be bought for $800, or two of them for $1,600, why put up just one house of a more expensive construction that at the outside will last only about 10 years longer than the cypress house?

As before stated, the first thing is plenty of light, the next, durability of materials and then, the cost of the house. To help solve these very important questions we have asked some of the best known carnation growers to give us their idea of how a house should be built to grow the best carnations. We have also asked for opinions on houses for other purposes but this will be left for another time. A sheet of questions covering every feature of importance was sent to each of these growers and when these sheets were returned they were carefully gone over and compared with one another. Wherever opinions differed we supplied the correct data and the following is the carnation house in outline. In our opinion the houses should be built along the lines of the up-to-date cypress construction or the semi-iron construction.

STYLE OF GREENHOUSES.

Houses should be built connected.

Width of each house to be 27 feet using 14-foot bars on the south and 16-foot bars on the north. This makes the house uneven span and eliminates a great amount of shade.

Width of house, if even span, 28 feet.

Length of house if steam heat is used, 150 to 500 feet; if hot water is used, 75 to 100 feet.

The length of house should run east and west if uneven span using 16 and 14-foot bars.

If length is run north and south the house should be even span.

The walls should be seven feet high. (Not less than six or more than eight feet.)

About one-half of each outside wall should be arranged with movable sash to get side ventilation; the amount of sash depends on size of glass used and the height of benches.

Roof ventilation to be arranged so that one row of glass runs to the ridge between each sash.

Depth of sash to be three feet down the roof.

Sash are to open at the ridge and hinge to the header.

Sash are to be placed on both sides of the ridge.

Raised benches to be used and to be five feet wide.

VARIOUS GROWERS' OPINIONS.

Two of the growers stated that they had no objection to detached houses provided one had plenty of land to build on. These houses should be about 40 feet wide with space enough between each house to prevent one shading the other.

Only one grower mentioned the solid bed and stated that it should be well drained if used.

Everyone agreed on steam heat, with two exceptions, on account of quick circulation and being able to heat or cool quickly.

Nearly all of the growers agreed on the width, the side ventilation, roof ventilation, height of walls and width of benches.

It is our opinion that a house built along the lines mentioned will give the very best results for carnations. Many of the largest growers have houses built on this plan and they are having great success with their stock in every way. Of course, in many cases there are special conditions to be met and it is possible that some of the features may need to be altered one way or another to meet these conditions, but in the main we think this plan will answer for most florists. We haven't the space here to go into details regarding the merits of this house but depend on it such a house will give plenty of ventilation, the greatest amount of light and, if careful to get durable, up-to-date materials, there will be no trouble with the growing end. Many florists argue that a good grower can grow good stock in almost any kind of a greenhouse but this is not true.

A GOOD JUNE ADVERTISEMENT.

New Patent Pipe Joint Clamp.

We have received from Henry Stuttle, Batavia, Ill., samples of his newly patented pipe joint clamps, which will meet a want often felt by steam and hot water engineers. The illustrations give a good general idea of the new device, which has been tested and is highly thought of by many experienced engineers. The invention, as described in the specification provided for letters patent, is an improved method of clamping the meeting ends of pipe sections, providing a simple, convenient and efficient device that may be easily and quickly connected in position and removed with equal facility. The clamp consists of semi-circular companion members which, when joined by the bolts through the lugs, form a tight joint. The clamps are fitted with a lip and a corresponding recess, each recess being fitted with walls to prevent lateral movement or displacement of either member. An annular raised rib covers the joint closely and when the device is used with molten metal this rib prevents the metal from flowing into either pipe.

The joint is so arranged as to extend sufficiently to allow of expansion and contraction, while the raised rim edge forms a chamber for whatever packing material is used and allows of the use of rubber, cement, or other substance suitable for the purpose of jointing steam, water or gas pipes. Apertures are left in one of the semi-circular clamps to allow of molten metal being poured in if this is to be used. In short, the inventor, who is a practical engineer of many years' standing, appears to have studied out each point with great care and provided for all emergencies, while his clamp will not only save time but also money to the users. It is especially adapted for joining old boiler tubes now so largely used in hot water heating of greenhouses; also for utilizing old cast iron pipe, which otherwise would be consigned to the junk pile. This is one of the inventions that have a use; such a device is needed on every job tackled by engineers and we venture to predict for it a ready sale.

PICNIC OF THE PITTSBURG FLORISTS' AND GARDENERS' CLUB, JUNE 25.

1—One of the conveyances from the depot. 2—James Lasky, Julius Ludwig and P. J. Demas. 3—The lamb roast—E. C. Ludwig and wife in center. 4—Geo. and Mrs. Polites, two visitors, E. C. Ludwig and wife, Mrs. Demas, Mrs. Fuchs and P. J. Demas.

The Fertilizer Problem.

These days when so much is written and said about fertilizers it is hard to get a clear view of the subject unless one can sift the matter down to suit his own case. At this time I wish to point out the necessity for doing this. There are several classes of producers using fertilizers and each has peculiar needs. We have the farmer, the trucker, the fruit grower, the florist, the vegetable forcer. The farmer has to consider first cost very much, then maximum results, and time the least. The florist does not need to bother about first cost, but the effect upon the quality of his goods and upon the health of his plants is of great importance. The vegetable forcer need not consider first cost, nor the effect upon the constitution of his plants. With him maximum results and speed is everything. A few days gained means an enormous advantage sometimes, and the plants being cut down and used up at once, hard forcing can be resorted to.

Again, different parts of the country have different sources of supply. In the south, cotton seed meal is used to supply nitrogen. In the west, sheep manure is often available. In the east, near the sea board, imported elements, such as sulphate of potash, nitrate of soda and guano, are cheaper than inland. Yet often it would pay to ignore freight charges and get what produces the goods. Florists have learned to depend heavily upon cow manure, sheep manure and bone meal. Yet at times these are too slow for the vegetable forcer. The formula that has given us the best results so far in this line is a base of Peruvian guano, with additions of nitrate of soda and sulphate of potash, making about 12 per cent potash, 10 per cent of phosphate, and 6 per cent nitrogen. This in addition to manure, and at the rate of about one-half ton per acre, will make things jump.

MARKETMAN.

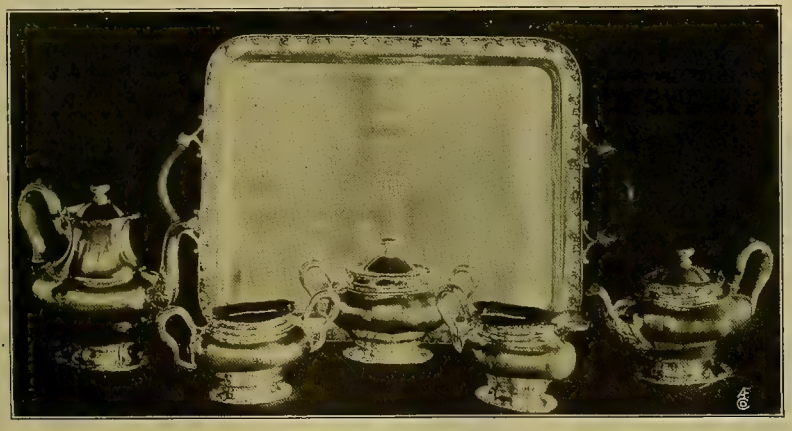
Albert T. Hey.

Wilson Presentation.

The employes of Vaughan's Greenhouses, Western Springs, Ill., surprised the retiring superintendent of the establishment, James S. Wilson, June 24, by presenting him with a beautiful silver service of six pieces, each piece bearing his monogram, as a farewell gift. Mr. Wilson severs his connection with Vaughan's Greenhouses July 1 and goes to Des Moines, Ia., to take charge of his own greenhouse business at that place. A handsome address in green and gold accompanied the silver set bearing the names of Mr. Wilson's 68 co-workers, not a few of them trusted employes of many years' standing.

Mr. Wilson was very perceptibly affected when he thanked the employes for this token of their good will and esteem and he urged them to extend their aid to his successor, Albert T. Hey, in full measure.

EMPLOYES OF VAUGHAN'S GREENHOUSES, WESTERN SPRINGS, ILL.



SILVER SERVICE PRESENTED TO JAMES S. WILSON.

James S. Wilson.

Thrips on Carnations.

ED. AMERICAN FLORIST:—

Oblige me by giving some information through your valuable paper regarding the disease on the enclosed carnation petals. The plants get plenty of air and water, and I syringe them on every bright day. Do I syringe them too heavily overhead? Any information will be welcome.

J. S.

The white marks on the petals look like the work of thrips, though no insects were present. The burnt appearance of the tops of the petals is probably from syringing or spraying the plants under a bright sun or owing to their not having got rid of the night moisture before the sun was shining brightly upon them. Dry up the atmosphere before nightfall to prevent any further injury from the latter, and do not spray when the sun is very bright; just damp around the plants. For the thrips spray with nicoticide according to directions and fumigate regularly twice a week until they are got rid of. You will have, of course, to consider whether at this late date your benches of carnations are worth taking the trouble with or whether they cannot be spared and thrown out to make room for a more profitable crop.

G.

Friedley Goes to Gasser's.

Frank A. Friedley, for the past two and one-half years foreman of the establishment of Miss Bell Miller, Springfield, Ill., has been appointed superintendent of the extensive greenhouse establishment of the J. M. Gasser Co., Rocky River, O. Mr. Friedley's numerous friends in the trade wish him every success in this new and arduous undertaking, the place being much more comprehensive than any he has been engaged at heretofore in managerial capacity, producing a great variety of stock for shipping as well as for the retail store in Cleveland.

Mr. Friedley is a native of New Albany, Ind., and started his greenhouse career under E. G. Hill, of Richmond, Ind., in March, 1897, remaining at that well known establishment five years. Later he was engaged with the Miami Floral Co., Dayton, O., Frank Huntsman and Wm. Murphy, Cincinnati, O., and the Chicago Carnation Co., Joliet, Ill. He was three years with the late James Hartshorne at the latter place and had charge of an important section of the carnations there for a considerable time.

Mr. Friedley is now visiting his sister, Mrs. A. C. Padgitt, Littleton, Colo., on a brief vacation.

Ground Limestone for Acid Soils.

This subject is discussed in Circular 110 issued by the University of Illinois Experiment Station. A great deal of the soil in Illinois is sour or acid and deficient in lime, especially the level prairie, as distinct from the rolling timber lands. As humus or organic matter decays in the soil acids are given off; carbonic acid is given off by plant roots and also brought into the soil by means of rain. Again, nitric acid is formed by bacteria and thus all soils with growing plants upon them tend to become acid. Where limestone exists in large quantities in the soil the acidity is destroyed as it develops, but no Illinois soils are rich in limestone and the application of this material is likely to prove of advantage more and more as time goes on.

KINDS OF LIME.

There are two distinct kinds of lime—freshly burned, or caustic, and natural, as limestone, marble and shell marl. None are fertilizers, but all act beneficially on such soils as are indicated above. Their province is to correct acidity in the soil and to aid in its decomposition. The former is necessary on soils that are to be used for leguminous crops generally, which will not thrive on acid soils. Decomposition of soil is equally important and tends to the liberation of elements necessary as plant food, as potassium and phosphorus, held in inorganic form. This effect is produced by fresh burned or fresh slacked lime, and this treatment seems especially commendable for peaty and swamp soils, rich in organic matter. It is wrong to apply freshly slacked lime to soils deficient in organic matter, as it would exhaust its already meager supply of these elements, though at first the immediate effect would be quite opposite. Gypsum or land plaster has a similar effect on the mineral elements, but not on the organic matter, as the caustic or fresh lime.

The author of this circular says that ground limestone is the best and most economical form of lime to use wherever it can be easily obtained. If caustic lime is used especial care must be taken to maintain the humus or organic matter in the soil, as it acts as a soil stimulant or soil destroyer by decomposing its mineral constituents and destroying the organic matter, thus producing an increase in the first few crops, but ultimately leaving the soil in a more impoverished state than before the lime was applied. Lime is not a fertilizer, but an active agent in forcing the soil to give up its plant food rapidly.

PENNSYLVANIA EXPERIMENTS.

Extended experiments and investigations have been carried on by the Pennsylvania Experiment Station. Four plots

Frank A. Friedley.

were treated with fresh slacked lime at the rate of two tons per acre once in four years. Four others were treated with two tons of ground limestone once in two years. A four year rotation crop was practiced, each crop being grown once on each plot. Twenty years' trials have shown that the plots treated with limestone have shown a greater total yield than those given burned lime. With

J. A. Peterson.

President Cincinnati Florist's Society.

every product whose total yield had been greater in the last than in the first years of the trials the limestone again had the advantage, thus showing that fresh burned lime tends to exhaust the fertility of the soil more than limestone. Analyses of the soils showed the nitrogen content of the four plots treated with limestone to be considerably higher than that of the soils treated with burned lime, while the humus content was still more in favor of the limestone, a difference, in fact, that would be represented by about 37.6 tons of fresh farm manure to the acre.

MARYLAND EXPERIMENTS.

The experiments at the Maryland Experiment Station cover a period of 11 years, 1,400 pounds of burned lime and equivalent amounts of ground oyster shells and shell marl having been applied per acre at the beginning. In commenting on the results of these tests Director Patterson, of the above station, says: "It will be noted that the carbonate of lime (i.e. the shell marl, etc.) gave decidedly better results than the caustic lime" (burned lime). Incidentally we may mention that a plot treated with soft coal ashes gave practically nothing more than soils untreated and, under a hay crop, less.

ILLINOIS EXPERIMENTS.

As an average of 50 tests during the last three years the value of the increase produced by lime or ground limestone has been $2.69 per acre per year, when counting cereals and hay at a comparatively low value. The yield both of corn and wheat grown in rotation with leguminous plants on limed and unlimed land by applying limestone, and the quality, both of grain and hay, has also been increased. The soil may be tested for acidity by placing blue litmus paper between soil layers and removing and drying after 20 minutes. The paper will turn pink or red if the soil is acid. The tests should be made in different parts of the plot. One ton of limestone to the acre is sufficient to destroy the acidity usually contained in the plowed soil if the limestone is thoroughly ground, but as a rule it is cheaper to apply more limestone and allow the mixing to go on more slowly by the necessary processes of harrowing, plowing, etc., in the regular farm operations.

TIME TO APPLY.

No definite time need be given to apply limestone; in fact, it may be said that any time is good when the condition of weather, roads and land are right, and the time can be spared, summer or early fall being probably the most convenient. The limestone should be hauled direct from the car to the field, a pile of 100 pounds every 33 feet, making two tons to the acre. Although these experiments refer to farm crops, they are just as applicable to the crops grown by the florist or gardener. Not to repeat any of the above, we can advise all to study it as it applies to their own cases, and also to send for the circular, which devotes more space to the subject than we can. This question of soils is becoming increasingly important and very valuable hints may be obtained by those who will take the trouble to alter the conditions to suit their individual circumstances.

Flower Gardens on a Liner.

The "Rotterdam," the newest vessel of the Holland-America Line, left Southampton, Eng., recently for Rotterdam, previous to making her maiden voyage to New York. She is the heaviest vessel afloat, her gross tonnage being 25,000, and she has accommodation for 3,535 passengers, while the crew consists of 475 men. Many striking features have been introduced, the most novel of which is the palm court. Here, says the Daily Chronicle, flower beds, palms and ferns abound, and the center of the court is surmounted by a majestic dome of stained glass. The number of bath rooms in the first-cabin section alone exceeds 100, while the two spacious dining rooms for the third-class passengers comprise 6,230 square feet of floor space, enabling 581 persons to be seated at the same time.

To Be Done Now.

IN THE GREENHOUSES.

Feed the old beds of Asparagus Sprengeri liberally and keep the seeds picked off.

Pot up the rubber plants from mossed specimens as soon as the roots show through the moss.

Pot the young poinsettias firmly and when established give less heat.

Feed calanthes as soon as the roots have taken a good hold of the soil in the pots.

Keep the flowers constantly picked out of bouvardias, Gloire de Lorraine and other winter flowering begonias.

Stake or tie young grafted roses directly they are planted or many will be snapped out when spraying.

Thin the shoots when necessary on cut back gardenias and remove flowers as they form to get a good growth in the plants.

If extra early mignonette is wanted sow seed in small pots in a cool house.

Keep the old flowers cleaned off the rose benches and follow up the disbudding regularly twice a week.

IN THE STORE.

Yellow California poppies and cornflowers arranged with suitable foliage make a beautiful table decoration.

The trailing shoots of Boston ivy are fine for mixing with cut flowers.

Plenty of green is necessary with all kinds of decorations now.

It is folly buying the cheapest, thin petalled, loose roses as they never give satisfaction.

Good Ficus pandurata is cool looking and very suitable for window decoration in hot weather.

Natural scenery well carried out in the windows is very attractive but it must be well done.

OUTDOORS.

Keep after the weeds everywhere and on all possible occasions.

Allow a few shoots on budded standards to develop a little foliage. These act as stem thickeners.

If the field carnations have been well looked after they will not need much more pinching now.

Manure water will be of great assistance now to asters if the soil is well moistened before applying it.

Any manure that cannot be spread should be very firmly packed and, if possible, mixed with soil to prevent heating.

Keep the runners regularly pinched off the young violets and spray when possible.

Avoid injury to the vines when gathering the flowers of sweet peas.

The shrubby spireas may be somewhat heavily pruned after the flowers are over.

Note any Lilium candidum that may be diseased and mark the clumps for lifting and drying later.

Remove all superfluous and stock shoots on recently grafted trees.

Calceolarias.

Herbaceous calceolarias, when well grown, make a brave display during April and May if the seed is sown during the month of July of the year previous, says a correspondent of the Gardeners' Magazine. The earlier the better, as then one may expect good specimen plants at the period indicated above. Pans are the best in which to sow the seed, and let them be clean and well drained. Over the drainage place a thin layer of half-decayed leaf-soil or moss, and then on this put about two inches of the coarse loam and leaf-soil that will not pass through a quarter-inch mesh sieve in preparing the soil for the seed to be sown on. The mixture should consist of equal parts loam and leaf-soil, with a moderate amount of silver or clean river sand. Fill to within half an inch of the top, pressing well the soil, which must be made quite level on the surface. If at all dry it should be watered through a fine rose a few hours previous to sowing the seed. This requires but scant covering, a mere sprinkling of sand sufficing.

Place the seed pans under a north wall, covering the pans with a piece of slate or glass; in the latter case a layer of moss should be put on the top. In a week or 10 days germination will have taken place; when the seedlings make their appearance, light and ventilation must be given, but the tiny seedlings must not be exposed to the rays of the sun or they will quickly succumb. See that the surface does not become dry, and guard against slugs by frequent dusting with lime, or place the pans on an inverted pot standing in a pan or saucer of water. As soon as large enough to handle prick out the seedlings into shallow boxes filled with a similar mixture to that advised above, though it may be a bit rougher, allowing a distance of three inches from plant to plant, giving abundance of air after a few days, and regularly shading from the sun.

Ferns Preserve Food.

Consul-General Richard Guenther, of Frankfort, advises that a newspaper of that German city states that ferns, which grow almost everywhere, form an excellent preservative for packing articles of food, fruit, etc. A summary of the article follows:

People who have lived in England know that the English have used it successfully for many years. Valuable fruit, fresh butter, etc., are no longer seen in English markets packed in grapevine leaves, but almost always in fresh fern leaves, which keep the articles excellently. This is done where grapevine leaves are to be had in abundance. Everyone posted well in botany knows the high preservative power of fern leaves with reference to vegetable and animal substances.

On the Isle of Man fresh herrings are packed in ferns and arrive on the market in as fresh a condition as when they were shipped. Potatoes packed in ferns keep many months longer than others packed only in straw. Experiments made with both straw and fern leaves in the same cellar showed surprising results in favor of ferns. While the potatoes packed in straw mostly showed signs of rotting in the spring, those in ferns were as fresh as if they had just been dug. Fresh meat is also well preserved by fern leaves. It would seem as if the highly preservative qualities of fern leaves are due to their high percentage of salt. No larvæ, maggots, etc., approach ferns, as the strong odor keeps them away.—Consular Trade Reports.

Soil Fatigue Caused by Fodder Plants.

The continued cultivation of such fodder plants as clover and lucerne on the same land is accompanied by a progressive decrease in the crop. This phenomenon, says the Scientific American, has been called "soil fatigue," and various explanations of it have been given. The recent experiments of Pouget and Chouchak prove that soil fatigue is not caused by the exhaustion of the supply of plant food alone, but that clover and lucerne, like hops, excrete poisonous substances which accumulate in the soil and finally arrest the growth of the crop. Rich soil that had never borne a crop of lucerne produced a crop smaller than the normal on the addition of the dried aqueous extract of the soil of a lucerne field, but no such decrease in crop was observed when the extract was roasted before it was mixed with the soil. On the other hand, the application of an extract of soil that had never borne lucerne and had been abandoned to spontaneous vegetation for two years caused an increase in the crop of lucerne. These results indicate that lucerne excretes substances which are detrimental to its own growth. The action of these substances is analogous to that of toxins. Alcoholic extracts of the soil of a lucerne field exerted no injurious effect upon the growth of lucerne and soil that had been sterilized by heat yielded larger crops than unsterilized soil.

OBITUARY.

David Gindra.

David Gindra of Poughkeepsie, N. Y., known as the dean of the Dutchess County Horticultural Society died at his home on Delafield street June 19. He was the father of Conrad Gindra who is well known in Poughkeepsie in the trade and who recently purchased the Fricker greenhouses on Main street. Mr. Gindra had been in failing health for some time and growing feebler daily, finally passed away at the age of 75 years. He lived on the Bech estate for 45 years. As a horticulturist his ability was widely recognized.

Carl Anderson.

Carl Anderson, of Marion, Ind., head gardener at the Mountain Branch soldiers' home, died June 12. Mr. Anderson was a native of Denmark, coming to this country about 12 years ago, after serving some time in England. After working some time in Chicago and other towns, he had charge of the laying out of the Mountain Branch, planting the shrubbery and flowers and looking after the greenhouses. He did excellent work here and his many friends in Seattle,, Wash., Chicago and other parts of the United States, will be grieved to hear of his death, which followed an operation for appendicitis. Mr. Anderson leaves a widow.

Marcus Ellis.

Marcus Ellis, the well known senior partner in Ellis Bros. Co., 203 Winchester street, Keene, N. H., died at his home of heart trouble, June 20, at the age of 62 years. Mr. Ellis was born in Royalton, Vt., September 1, 1845, and when 19 years of age came to Keene, where he afterwards lived. He entered the iron foundry of his half brother, the late Moses Ellis, of Keene, where he learned the trade, and went into partnership with his brother, remaining there until 1880, when he left that business to take charge of the greenhouses which he had established with his brother, Albert, in 1874, the firm being Ellis Bros., florists and seedsmen. Over four years ago Mr. Ellis suffered a shock of paralysis which left him in a much enfeebled physical condition, and later he took into partnership Frank Chapman and formed the Ellis Bros. Co., which still continues. Besides his widow, Mr. Ellis leaves four children.

Wm. B. Leeds.

Wm. B. Leeds, known as the tin plate king, and once prominently identified with the Rock Island R. R., died in Paris two weeks ago. His first commercial venture, we believe, was in the floral business. His father, Noah M. Leeds, bought out the interest of A. K. Williams in the old Cascade Nursery, Richmond, Ind., hoping to interest his sons in the business for which he himself had a very strong liking. Under Wm. B. Leeds' management, with E. G. Hill as foreman, he worked up a very large catalogue trade. Mr. Hill remained with him for only three years and two years later Mr. Leeds filed a petition in bankruptcy which ended his career as a florist. His older son, R. G. Leeds, is living in Richmond and editing the oldest daily in the city, the Palladium. He is a fine young fellow with political aspirations and an ardent enthusiasm in the newspaper business. His friends in Richmond all hope to see him inherit an equitable portion of his father's large estate, which is currently reported to amount to $35,000,000.

THE AMERICAN FLORIST

1885 TWENTY-THIRD YEAR. 1908

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When sending us change of address always send the old address at the same time.

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From its first issue the AMERICAN FLORIST has accepted only trade advertisements.

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We do not assume any responsibility for the opinions of correspondents.

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CONSIDERABLE losses of field carnations are reported from various Massachusetts points.

THE official flower of the Alaska-Yukon-Pacific exposition has been definitely selected. It is the cactus dahlia, a flower which grows profusely around Puget Sound.

SPRAY underneath the foliage.

SOON it will be time to think of coal contracts.

GROWERS of Christmas plants will have to get busy now.

CONSIDER the question of concrete benches in the new houses.

THERE are many tributes to the worth of the late Wm. Scott, of Buffalo, N. Y., in the English papers.

A BRITISH exhibitor of pansies has been getting good results by showing them with sprays of hawthorn (Cratægus Oxyacantha).

THE merits of the single peony, both as a cut flower and a handsome plant on the lawn, are not sufficiently appreciated by florists.

SPOT cash for wire designs and other requisites during a dull time like the present often tempts manufacturers and their agents.

IF the supply of smilax was short last Christmas the present is a good time to plant more benches to prevent it from occurring again.

MONTANOA BIPINNATIFIDA, recently figured in The Garden, is a promising looking winter flowering plant with white, single, composite flowers.

THE reports of damage from wind and hail from so many points again this week make very unpleasant reading but they should serve to remind the owners of greenhouses of the absolute necessity of covering probable losses as far as possible by hail and other insurance.

THOSE who feed heavily carnations and other plants grown in the field for transplanting to greenhouse benches in fall, all through the growing season, seem to lose sight of the fact that moderate sized, well consolidated plants are much better than large, bloated and overfed ones.

A LITTLE consideration for employes working under glass at this time of year should be shown, and it pays, anyway. As long as the requisite watering and spraying is kept going, disbudding and other detail work can be done mornings and evenings and in the middle of the day, when the heat is most intense, the help can usually be found a job either in the potting shed or outside, and this will be appreciated.

Brooklyn Retail Florists' Association.

At the last meeting of the Brooklyn Retail Florists' Association we had over 35 new members, which brings our membership up to over 100. The first reading of the constitution and by-laws were read and partly approved. The next regular meeting will be held at the Imperial rooms, Brooklyn, N. Y., July 13.

WM. A. PHILLIPS, Secy.

For Greenhouse Builders.

The trustees of the Massachusetts Agricultural College invite proposals for furnishing material and erecting complete a range of greenhouses on the college grounds at Amherst. Bids should be accompanied by a certified check for $500, this check to be payable to the treasurer of the Massachusetts Agricultural College; the check to be forfeited if the bidder accepted fails to sign and enter into a contract within 10 days of the acceptance of his estimate. The proposal should be enclosed in an envelope marked "Proposal for Greenhouse Range," and delivered at the office of Fred C. Kenney, Treasurer, Massachusetts Agricultural College, Amherst, Mass., not later than 12 noon, Monday, July 13, 1908. The right is reserved to reject any and all bids. Plans may be seen on and after Monday, June 29, at the office of the treasurer, Amherst, Mass., or will be furnished by mail on application to him.

Death of James Cole, Sr.

As we go to press we regret to learn of the death, June 30, of James Cole, Sr., a pioneer florist of Peoria, Ill., surrounded by his children. Mr. Cole was one of the oldest florists in Peoria, having settled there in 1863. He was born at Buckfastleigh, Devonshire, Eng., in 1821, and acquired there his first knowledge of horticulture. Leaving England in 1857, he came to Toronto and four years later removed to Chicago. When the civil war was nearing its end he with his family moved to Peoria, where they have resided ever since. Mr. and Mrs. Cole celebrated their golden wedding a few years ago. Mrs. Cole died in 1892 and Mr. Cole is survived by two children, and one grandchild, James, Jr., and Nelson, a daughter having died 12 years ago, and Joseph N. Funeral services will be held at 2 p. m., Friday, July 3, at his late residence, 1602 North Perry avenue.

Meetings Next Week.

Butte, Mont., July 10.—Montana Florists, Columbia gardens.

Chicago. July 8.—Gardeners' and Florists' Union No. 10615, 10-12 Clark street.

Cincinnati, O., July 11, 8 p. m.—Cincinnati Florists' Society, Jabez Elliott flower market.

Davenport, Ia., July 9.—Tri-City Florists' Club.

Denver, Colo., July 10, 8 p. m.—Denver Floral Club, 323 Charles block.

Des Moines, Ia., July 7, 8 p. m.—Des Moines Florists' Club, Iowa Seed Co.'s store.

Grand Rapids, Mich., July 6, 8 p. m.—Grand Rapids Gardeners' and Florists' Club, Board of Trade rooms, Pearl street.

Hartford, Conn., July 10, 8 p. m.—The Connecticut Horticultural Society.

Indianapolis, Ind., July 7, 7:30 p. m.—State Florists' Association of Indiana, State house.

Louisville, Ky., July 7, 8 p. m.—The Kentucky Society of Florists.

Madison, N. J., July 8, 7:30 p. m.—Morris County Gardeners' and Florists' Society, Masonic hall.

Montreal, Que., July 6.—Montreal Gardeners' and Florists' Club, Alexandria rooms, 404 St. Catherine street, west.

New Bedford, Mass., July 9.—New Bedford Florists' Club.

New London, Conn., July 8.—New London County Horticultural Society, Elks' hall.

New York, July 8, 4:30 p. m.—Horticultural Society of New York, American Institute rooms.

Omaha, Neb., July 9, 8 p. m.—Omaha Florists' Society, City hall.

Philadelphia, Pa., July 7, 8 p. m.—Florists' Club of Philadelphia, Horticultural Hall, Broad street, above Spruce.

Pittsburg, Pa., July 7, 8 p. m.—Pittsburg and Allegheny Gardeners' and Florists' Club, 422 Sixth avenue.

Florists' Club Outings.

Chicago, July 19.—Annual picnic of Florists' Club at Morton Grove, Ill.

Davenport, Ia., July 21.—Annual picnic of Tri-City Florists' Club to Linwood, a 10-mile trip down the Mississippi.

Cincinnati, O., July 23.—Sixteenth annual outing of the Florists' Club to Coney Island.

Cleveland, O., July 29.—Annual outing of Florists' Club to Cedar Point.

Montreal, Que., July 29.—Annual picnic of Gardeners' and Florists' Club.

New Orleans, La., July 8.—Outing of the Horticultural Society to Mandeville.

St. Louis, Mo., July 15.—Annual picnic of Florists' Club at Normandy Grove.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Every paid subscriber to the AMERICAN FLORIST for the year 1908 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—As an A1 florist; 15 years' experience in Denmark and Germany. Address Key 576 care American Florist.

Situation Wanted—As working foreman; first-class rose and carnation grower. Address Key 536 care American Florist.

Situation Wanted—By an all around gardener has the best of references; private or commercial place; 15 years' experience. Key 533 care American Florist.

Situation Wanted—Married; 29 years old; sober industrious 15 years' European experience pot plants a specialty; state wages and particulars. Key 535. care American Florist.

Situation Wanted—By an experienced greenhouse man or outside; private or commercial place; 14 years' experience has the best of references. Key 532. care American Florist.

Situation Wanted—Working foreman in good commercial place; first-class grower of cut flowers roses, carnations, 'mums and forcing of all kinds of bulb stock; good plantsman. Address Key 577 care American Florist.

Situation Wanted—By an all-around grower of 20 years experience in all branches as working foreman on first class place. State particulars and salary in first letter Address Key 574 care American Florist.

Situation Wanted—By a first-class grower of cut flowers, middle age, to take charge of private or commercial place or as foreman; can deliver the goods; good wages expected. Address Key 565 care American Florist.

Situation Wanted—Expert designer, thoroughly competent to undertake all kinds of floral design or decorative work, is open to permanent engagement. First-class references as to ability and charater. Key 573 care American Florist.

Situation Wanted—By young man, age 26; 10 years' experience in roses, carnations, 'mums and pot plants; good decorator and designer; 12 months' experience in Canada; highly recommended; state wages Address Key 578. care American Florist.

Situation Wanted—By competent gardener; experienced in all branches of horticulture in Europe and America and well versed in bookkeeping as superintendent of cemetery in growing city, middle west preferred or as private gardener. Best references. Key 571. care American Florist.

Situation Wanted—By young man age 24; 6 years' experience in carnations 'mums, and pot plants wants position in commercial place as an assistant grower; Eastern States preferably; state wages in first letter; best of references furnished. PAUL POINSARD 1513 Electric St., Scranton Pa.

Situation Wanted—As working foreman; German, single, 29 years of age; 12 years in this country; 15 years' experience; good grower of roses, carnations and cut flowers, good designer and decorator; good worker and sober; best of references; please state wages. Address FLORIST 64 Palmer Avenue, Chicago.

Situation Wanted—By young man, single, 14 years' experience in all branches to take full charge of up-to-date establishment or large private place or public institution; Pacific coast or Western States preferred; good salary expected otherwise save stamps. Address Key 579 care American Florist

Help Wanted—Two or three good rose growers. No helpers; apply in person to BASSETT & WASHBURN, Hinsdale, Ill.

Help Wanted—A man to work in rose sections; state wages without board. Apply COLE BROS., Peoria, Ill.

Help Wanted—Rose grower for section; sober hard-working man who understands his business; send references and wages wanted to ERIE FLORAL CO., Erie, Pa.

Help Wanted—A good rose grower as working foreman; to take charge of rose sections on a large plant. Key 569, care American Florist.

Help Wanted—A single man who can grow good 'mums and carnations. Send reference and state wages expected without board. W. W. COLES, Kokomo, Ind.

Help Wanted—First-class grower of roses, carnations and a general line of cut flowers; take charge of section; middle aged man; good wages and steady position to right man; state particular in first letter ROBERT KLAGGE, 154 Gutschow St., Mt. Iemens, Mich.

Wanted—A reliable florist as partner; splenid location; new house well stocked; very little capital required. J. N. MENIFEE Sapulpa Okla.

For Rent—Greenhouses; about 30,000 feet of glass by GEO. HARRER, Morton Grove, Ill.

For Sale—Greenhouses and stock in good town in Oklahoma; 12,000 inhabitants. Address Key 563 care American Florist.

For Sale—Several second-hand hot water boilers in excellent condition; will be sold cheap to clear. J. D CARMODY Evansville Ind.

For Sale—27,000 feet of glass without stock in a good locality in Chicago. Take Clark St. car to Francis St. Call or address OWNER, 4016 N. Clark St., Chicago.

For Sale—In Providence R. I., a first-class florist store well stocked and doing a good business on the main street; 8 years established. A bargain if taken at once. J. S. KELLY, 81 Jenkins St., Providence, R. I.

For Rent or Sale—At a sacrifice seven greenhouses and stock; the best stand in the center of the city. Don't overlook this snap, for particulars see advertisement in this paper, June 20. W. H HUMFELD FLORAL CO., Kansas City, Mo.

For Sale—A handsomely fitted up florists' shop in the best private neighborhood in New York, cor. Madison Ave. and 75th St., rent $150.00 a month; possession at once; lease satisfactory to good tenant, will sell reasonable. Address Key 534, care American Florist.

For Sale—A bargain for a good florist stand and store opposite Woodland Cemetery; with full line of confectionery; also greenhouses of 10 000 feet of glass; offered after July 1 for $1 500. HENRY EICHOFF 6818 Woodland Ave. S E., Cleveland O.

For Sale—Greenhouses and stock; about 20,000 feet of glass, well stocked with all kinds of bedding plants, ferns, palms and cut flowers; for terms inquire of Mrs Hugo Book, College street, Worcester, Mass., or L Midgley, Worcester Conservatories, Worcester, Mass.

For Sale—Will sacrifice on easy terms: greenhouse of 5,000 feet of glass, hot water heat well stocked; city water and electric lights; 10-room house; good barn; 4 large lots; lots of fruit on place; established business; excellent shipping facilities; located in good northern Indiana town near Chicago and several other good cities. For particulars address GAYLOR-KIEFER REALTY COMPANY, Mishawaka, Ind.

For Sale—Two Kroeschell hot water boilers; capable of heating 4,000 feet 4 in pipe used 5 years price $175 each; two hot water boilers locomotive pattern, capable of heating 5,000 feet 4-in. pipe, used 4 years price, $225 each; 12,000 feet 4-inch cast-iron pipe in good condition; 4 000 feet 5-inch cast-iron pipe all fittings on pipe thrown in at 10c per foot; 40 boxes of 10x14 A glass $1.35 per box; three No. 1 Morehead return steam traps in good working order at $30.00 each; used three years. GEO REINBERG 35 Randolph St., Chicago.

For Sale or Lease—A chance of a lifetime; 10 large greenhouses about 18 000 square feet well stocked with carnations, 'mums, roses and other stock, 6 acres of fine land 2 6-room houses, 2 barns, own waterworks, new boiler with steam-trap arrangement, all in perfect condition and good repair and running order; 2 miles from square of a thriving town in Indiana of 28 000 inhabitants; also store and 5 large greenhouses in middle of town, on rented ground also in good condition and running order; a chance to make money for 1 or 2 hustlers; can be sold or leased together or separate; good market and fine connections to larger cities; for particulars address Key 537 care American Florist.

FOR SALE.

Wholesale and Retail Floral Establishment well stocked consisting of 12 greenhouses (about 35 000 square feet of glass); three acres of land; 12-room brick residence; shop, barn horse, wagons, implements tools, etc. Everything in first-class condition. No parties but those who mean business and have cash need apply. Parties must see to appreciate. For terms address **C. CRAMER, R. F. D. No. 4, Salt Lake City, Murray Station, Utah.**

A Practical Gardener

Young married man, fully competent in all departments will be open to engagement July 1. First-class references as to ability and character. Address

Key 570, care American Florist.

WORKING FOREMAN.

Carnation, 'mum and general plant line wholesale only. Place of 150,000 feet of glass near Boston, Mass. This is an opportunity for an up-to-date man capable of delivering the goods. Permanent work and wages in keeping with proved ability. Do not waste time writing unless you have had experience and can come well recommended.

PEIRCE BROTHERS, Waltham, Mass.

FOR SALE.

50,000 ft. of 4-in. Boiler Tubes, cleaned and trimmed, ready for greenhouse purpose Have special malleable iron sleeves to fit same. Will sell at a very low price. I also carry a complete line of **Second-hand Pipe.**

Write for my price before you make purchase.

ISIDOR COHEN, 240-250 Madison St., **Milwaukee, Wis.**

THE COLORS OF FLOWERS

Are Best Determined with the Aid of

OUR COLOR CHART

Arranged by F. Schuyler Mathews and lithographed by Prang, this chart is now accepted as the standard in preparing color descriptions by many foreign houses as well as in this country.

PRICE: $1.00, Postpaid.

AMERICAN FLORIST CO., 324 Dearborn St. CHICAGO.

HENRY M. ROBINSON & CO.,

Wholesale Commission Florists.

Hardy Cut Evergreens and Florists' Supplies.

BRONZE GALAX, best quality.. $8 50 per case, 10,000; **GREEN GALAX,** best quality... $7.50 per case, 10,000.
New Crop **DAGGER AND FANCY FERNS**..... $1.00 per 1000.

Laurel Festooning, Boxwood, Southern Wild Smilax, Sphagnum and Green Moss, Leucothoe Sprays, etc.

15 Province St. and 9 Chapman Place, BOSTON, MASS.

Our Pastimes.

Announcement of coming contests or other events of interest to our bowling, shooting and sporting readers are solicited and will be given place in this column.

Address all correspondence for this department to A. F. Faulkner, 1133 Broadway, New York; Robt. Kift, 1725 Chestnut St., Philadelphia; or to the American Florist Co., Chicago.

At Chicago.

BOWLING.

The regular Tuesday evening bowling matches were played off this week in Powers & O'Brien's alleys, 170 E. Madison street. The scores were as follows:

Asmus	91	136	151	148
Balluff	146	160	167	186
McKellar	148	141	144	138

The ladies scored as follows:

Mrs. McKellar	116	121	111	91
Mrs. Asmus	122	111	119	105
Mrs. Hauswirth	92	128	139	110
Mrs. Balluff	99	81	68	—

After the regular game Mrs. Hauswirth and Mrs. McKellar bowled a match game: Mrs. Hauswirth, 179; Mrs. McKellar, 103.

A. L. RANDALL'S EMPLOYES AT RIVERSIDE.

The employes of the A. L. Randall Co. on Sunday last were entertained by R. Meyer, a grower for that firm, at the Reisig grove at Riverside. About 30 employes left the city at 10:30 a. m. over the interurban electric road, and all pronounced the affair a most enjoyable one. A ball game and other sports filled in the afternoon hours. Mr. Meyer served both dinner and supper to his guests, and is was not until late in the evening that the merry party returned to their various homes.

BASEBALL.

W. P. Kyle's Florists failed to follow up their victory of the week previous in their game last Sunday with the West Side B's, losing this week by a score of 13 to 5.

At New York.

The outing of the New York and New Jersey Association of Plant Growers, was held at Huguenot park, Staten Island on June 25, being attended mainly by members of the association and their families. There was a good dinner, bowling contests for both men and women and other amusements. Noteworthy among those present were the representatives of two of the leading Barclay street seed houses. It has sometimes been feared that the multiplication of societies would cause enstrangement among the various branches of the trade but the harmony now prevailing is good to see.

Next comes the outing of the New York Florists' Club, July 1, and the indications are that it will be a most enjoyable affair, providing Jupiter Pluvius favors it.

The Greek-American Florists' Association's outing is planned for July and the foregoing comments may also be applied to it.

Springfield, O.

"We had a great time," said Chas. Schmidt of Schmidt & Botley's greenhouses, on the night of June 20 upon the return from Eicholtz park, where the annual outing of the proprietors and employes of the Schmidt & Botley's and the George Mellen Co.'s establishments was held.

There were about 38 in the party, They made the trip to and from the park on the Springfield, Troy & Piqua interurban line, returning to the city about 9 o'clock in the evening. The florists went prepared to have fun and they certainly had it. There was plenty to eat and a varied athletic programme to suit all tastes. The ball game was one of the features. The score was so large that no one could remember just what it was.

Pittsburg.

The picnic of the Gardeners and Florists' Club was held June 25 at Bakerstown. There was a nice turn out and everyone seemed to enjoy themselves very much. The usual programme of sports was very much missed by the younger element. The feature of the outing was a lamb roast by P. J. Demas, who personally took charge of same. It was so well done that those who came around late did not get a chance to taste it.

ST. LOUIS, MO.—Pitchers, catchers and others are now practicing for the great game, July 15, between wholesalers and retailers. Umpires are to be put under bonds to secure a square deal and to show no favoritism; this game will be for blood.—W. F.

Fancy and Dagger FERNS $1.00 per 1000

Discount on large orders.

New Crop Galax, Bronze or Green, $1.25 per 1000: 10,000, $8.50

Sphagnum Moss, large bales.....$1 25

Leucothoe Sprays.....$1.00 per 100: 1000 7 50

Boxwood.....35c per bunch; 50 lbs. 7.50

Florists in the Middle and Western States can save money by placing their fern orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

WHOLESALE COMMISSION FLORISTS,

38-40 Broadway. All Phone Connections. DETROIT, MICH.

Special Offer for 10 Days

Nice fancy **FERNS** 85c per 1000. Good **Dagger Ferns** $1.00 per 1000. New crop **Dagger Ferns.** $1.50 per 1000. **Galax,** Green and Bronze $1.00 per 1000; case lots, 10,000, $7.50. 50-lb. cases **Wild Smilax** $6.00. **Leucothoe Sprays.** bronze or green, 40c per 100. **Ground Pine,** 5c per lb. or 5c per yd. **Pine and Laurel Wreaths,** for decoration use; Pine, $1.50 per doz., Laurel, $2.50 and $3.00 per doz. Send your order early for your decoration use. **Laurel Festooning,** 4c., 5c. and 6c. per yard; made daily fresh from the woods

Boxwood, No. 1 quality $8.00 percase, 50lb. Telegraph Office. New Salem, Mass. L.D. Phone Conn's

CROWL FERN CO., Millington, Mass.

Asparagus Plumosus Nanus Seed, Only $3.00 1000

We handle this Asparagus both in seeds and plants of all sizes in very large quantities, and make very close prices on larger amounts on application. Our seed is pure, fresh, of best germinating quality and extraordinary vitality.

Northern Greenhouse-Grown Seed. Per 100 seeds, **60c;** 250 seeds, **$1.00;** 1000 seeds, **$3 00.** Price for larger lots on application.

VAUGHAN'S, Chicago or New York

George Cotsonas & Co.

Wholesale and Retail Dealers in all kinds of

Evergreens.

Fancy and Dagger Ferns. Bronze and Green Galax

Phone 1202 Mad. Sq.

Main Store. 50 W. 28th St., NEW YORK.

E. A. BEAVEN

Southern Wild Smilax, Log Mosses,

Natural and Perpetuated—at Wholesale,

EVERGREEN, ALABAMA.

JOHN P. SCHERER,

Telephone 328 L Union.

636 Gardener St., UNION HILL, N. J.

SMILAX, FERNS, PALM LEAVES and all kinds of GREEN GOODS.

THE KERVAN COMPANY,

113 West 28th St., NEW YORK.

Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves Galax, Leucothoe, Ferns, Mosses and all Decorative Evergreens.

Sphagnum Moss and Cedar Poles.

Moss, 5 barrel bale $1 25; 2 bales, $2.25; 5 bales $5.00; 10 bales, $9.50. **Poles,** 2-in butt, 8 ft. long, $15.00 per 1000; 2½-in. butt, 10 to 12 ft. long $22.50 per 1000; 1½-in. butt 5 to 7 ft. long $10.00 Cash.

H. R. AKERS, Chatsworth, N. J.

WORCESTER, MASS.—Roses and strawberries were well shown June 25 at the weekly exhibition of the Worcester County Horticultural Society in Horticultural Hall. Handsome roses were shown by W. A. Baisley, of Uxbridge, who also had beautiful showings of sweet williams and foxgloves. Mrs. E. A. Underwood displayed sweet williams and campanulas, while E. W. Breed had a fine collection of sweet williams. Roses were also exhibited by Addison Bemis.

Summer Roses

Am. Beauties, Kaiserin, Carnot, Killarney, Richmond and Perle.

All grown in solid benches, with roots down deep in cool soil. These plants are from three to six years old. They produce by far the best flowers in summer.

Asparagus, Smilax, Sprengeri, Adiantum, Lilies, Choice Auratum, Field-Grown, Strong Stems.

BUY YOUR FLOWERS DIRECT OF THE GROWERS, and get the freshest possible stock Our cooling rooms and shipping facilities are unexcelled. **GIVE US A TRIAL ORDER.**

BASSETT & WASHBURN,

GREENHOUSES: HINSDALE, ILL.

Office and Store: 76 Wabash Ave., CHICAGO.

Cincinnati.

TRADE FAIR.

Trade holds up very fair although flowers are beginning to show the effects of the warm weather. Roses, carnations, sweet peas, Shasta daisies, with a limited quantity of lily of the valley and Longiflorum lilies constitute about the supply of stock received at the wholesale houses with a bountiful supply of green goods.

FLORISTS' SOCIETY MEETING.

One of the best meetings the Florists' Society has held in several years took place at the home of J. A. Peterson in Westwood last Friday afternoon. There were over 50 members present and considerable business of importance was transacted. After an inspection of the greenhouses and stock which were found to be in the usual good state, the boys got together and elected the following officers to guide the destinies of the society for the ensuing year:

J. A. Peterson, president.
Gus. Adrian, vice-president.
Clarence Ohmer, secretary.
D. Rusconi, treasurer.

The above with C. E. Critchell composed the board of directors.

The next thing to be considered was the sixteenth annual outing and President Peterson appointed the following committee to take charge: Ben George, Albert Sunderbruch, C. E. Critchell, Wm. Murphy and J. W. Rodgers. This committee got busy immediately and secured Coney Island for Thursday, July 23. Don't forget the place and date and everybody come for we want to make this the best ever. After the outing question was disposed of the most important question of the meeting was brought up, viz.: "Shall the florists of Cincinnati invite the Society of American Florists to hold its twenty-fifth annual convention in our city in 1909?" All present were under the impression that this should be done and a subscription list was started with the result that nearly $1,000 was subscribed within 15 minutes which certainly looks very encouraging. Now, brother florists in other cities, don't fail to vote for Cincinnati, as your meeting place in 1909. Al. Brunner, George Tromey, Wm. Gear, Max Rudolph and Robt. Murphy were elected to membership in the society. The meeting then adjourned to partake of an elegant repast provided by President Peterson's estimable wife and to say that full justice was done to the supper is placing it mildly. It was getting dark when a vote of thanks was tendered to the Petersons by the assemblage, all those present going to their homes with the feeling that it was an afternoon well spent.

NOTES.

The J. M. McCullough's Sons Co. was quite busy the past week with out-of-town orders for supplies. It seems as though the florists in the smaller cities as soon as the spring rush is over get their stock of wire designs and supplies in order for the fall trade which undoubtedly is the proper thing to do and makes matters more pleasant for all concerned.

The Roughton-Ramsey wedding at the Wesley chapel and the Weakley wedding at the Avondale M. E. church were the two most prominent affairs of the past week and used up considerable stock, Miss Edith Kyrk of Avondale having charge of the decorations and bouquets of both jobs.

Robt. Boeck, who conducted a small greenhouse establishment on Madison and Erie avenue, Hyde Park, met with an accident last Friday evening that resulted in his death. While walking through his greenhouses some boards covering an old cistern gave way and before help could reach him he was drowned.

Jimmie Allan of the firm of George and Allan was around the wholesale houses last Monday shaking hands with his friends. Jimmie does not get around very often and the boys are always glad to see him.

The Bloomer funeral created quite a demand for flowers for nearly every florist in the city had an order or two for the same.

S.

LOOK AT THESE PRICES!

Palms, 4,000 Phœnix Canariensis Palms, extra fine stock, 2½-in., 12 to 15 in. high, $5.00 per 100.
Poinsettias, hard and soft wood, 3-in., $5.00 per 100. Stock plants, extra fine, $1.50 per doz.
Dracena Indivisa, 2½-in., $4.00; 3-in., $5.00; 4-in., $8.00; 5-in., $20.00 per 100.
Begonia Vernon 2½-in. in bloom, $2.50; 4-in., in bloom, $5.00 per 100.
Aster Plants, 12 leading varieties, stocky, large flowering, 25c per 100; $2.00 per 1000.
Geraniums, all standard varieties, 2½-in., $2.50 per 100.
Hardy Perennials, field-grown stock. Write us your wants; we grow the stock.
Asparagus Sprengeri, fine plants, $2.50 per 100; $20.00 per 1000.
Asparagus Plumosus, 2½-in., strong stock, $2.50 per 100; $20.00 per 1000.
Cannas, Louisiana, Los Angeles, Pennsylvania, 15-in. high, 4-in., $5.00 per 100.
Chrysanthemum cuttings, rooted, 30 best commercial varieties $2.00 per 100; $15 00 per 1000.
Pot Chrysanthemums 2½-in., $3.00 per 100; $25.00 per 1000; 4-in., $5 0 per 100.
Smilax, 2¼-in., $2.00 per 100; $18.00 per 1000. Fine stocky plants, 4-in., $4.00 per 100. Seedlings from flats, $4.00 per 1000.

W. E. TRIMBLE GREENHOUSE CO., Princeton, Ill.

Chicago.

GOOD STOCK SCARCE.

Trade last week was very good, and last Saturday and Monday of this week even witnessed a shortage of stock of shipping quality. Tuesday of this week saw quite a material decrease in orders, although regular customers were in with something like their regular orders for this season of the year. Carnations are very poor, and most lines of roses are little better. Some fair stock is seen, but the summer sun is opening the buds so fast that they have not time to fully develop. Killarney and Kaiserin are the best. Cold storage peonies are in the market, but many have to be thrown out, due to not having kept well in storage. Large cuts of candidum lilies have come in, too many for the market to absorb easily; consequently prices have been very low. Daisies in any quantity are still seen, both Shasta and wild being shipped to this market. Sweet peas of all colors are being received, but the quality of the majority is rather poor. Green stock is abundant, and fancy common ferns are down to $1 to $1.25 per 1,000.

FROM A GROWER'S STANDPOINT.

C. L. Washburn, of Bassett & Washburn, on Monday had the following to say of the market conditions: "A great shortage of stock has developed, owing to growers throwing out their plants and replanting. During April and May it rained so continuously that the soil became too wet to handle for mixing, and the result was that the majority of growers put off replanting two weeks later than usual. When they did start, extra forces of men were put on and the work of clearing the houses proceeded much faster than usual, thus causing a sudden shortage. The bench rose stock which is usually replanted early in the spring to be used for summer cutting has not on account of the delay caused by the wet weather yet come into bloom. Also the fact that Kaiserin, Carnot and Killarney are off crop, all at the same time, has contributed to the scarcity. The rose stock now being cut, with the exception of American Beauty, is rather poor, due to the very changeable weather of the past two weeks. Carnations have given such poor returns that these have been replanted earlier than last year when the old stock was not thrown out of the houses until after July 4. Growers say this past month they have been hardly repaid for the labor of cutting. Both smilax and Asparagus plumosus have sold very well."

NOTES.

A recent call at J. C. Mulder's place, 7923-7 Normal avenue, known as the Auburn Park Greenhouses, was interesting as bringing out reminiscences of the early days in local floriculture. Mr. Mulder's father, Carl Mulder, a hearty old man of 86 years, came to this city from Groningen, Holland, in 1866, and started in the florist business at 868-872 West Lake street. In 1886 J. C. Mulder moved to his present location. He remembers the ocean trip to this country, taken when he was a lad of four years.

An informal gathering of florists of the Second congressional district was held at the White City Casino Monday night to talk over the advisability of supporting a horticulturist for congress. It was agreed that under certain conditions the effort would be worth making.

Peter Sroczyniski, of 804 N. Harding avenue, sailed Tuesday with his wife and son for New York on S. S. Kaiser Wilhelm der Grosse to visit his mother who still lives in Germany. He expects to be back by September 7.

John P. Degnan, of the E. F. Winterson Co., read a paper on "The Early History and Growth of Commercial Cut Flower Business of Chicago" before the Lake Forest Horticultural Society the evening of June 24.

E. E. Pieser, of the Kennicott Bros. Co., says that cold storage peonies are not keeping as well this season as usual. The other wholesalers having large cuts in storage make the same report.

PRICE LIST.

RED		YELLOW	
American Beauty, long stems,.		Perle	$4.00 to $ 6.00 per 100
.....	$ 4.00 per doz.	LIGHT PINK	
30-inch stems	3.00 per doz.	Uncle John, Golden Gate.	
24-inch stems	2.50 per doz.	.....	$4.00 to $ 6.00 per 100
20-inch stems	2.00 per doz.	PINK	
15-inch stems	1.50 per doz.	Chatenay	$4.00 to $ 8.00 per 100
12-inch stems	1.25 per doz.	Bridesmaid	$4.00 to $ 6.00 per 100
Short stems	75c to 1.00 per doz.	Mrs. Marshall Field,	
Richmond, Liberty	$4.00 to $ 8.00 per 100	Killarney,	$6.00 to $10.00 per 100
WHITE		COPPER COLOR	
Bride, Ivory	$4.00 to $ 6.00 per 100	Sunrise	$4.00 to $ 6.00 per 100

Roses, our selection, $3.00 per 100.

Carnations,	$ 1.50 to $ 2.00 per 100	**Callas**	$ 8.00 to $12.00 per 100
Easter Lilies,	8.00 to 12.00 per 100	**Valley,** fancy	3.00 to 4.00 per 100

Extra fancy Asparagus Plumosus, 50c to 75c per bunch.

PETER REINBERG,

51 Wabash Ave., CHICAGO.

Mrs. J. W. Ensweiler, 5325 Morgan street, who has been sick at St. Bernard's hospital four weeks, is home again improving rapidly and hopes to be able to attend to business soon.

Peter Reinberg at the end of this week goes to Denver as a delegate to the national democratic convention. He will be accompanied by his wife and son.

Chas. W. McKellar is still receiving fine gardenias. He also says Cattleya Gaskelliana is now coming in heavily.

W. N. Rudd read a paper at the Illinois Cemetery Association at Danville, June 30.

Vaughan & Sperry report having had a good demand for their candidum lilies.

A. L. Randall left Monday for his fruit farm at Benton Harbor, Mich.

H. N. Bruns is building a new house, 25x125 feet.

Visitors: C. B. Knickman, representing McHutchison & Co., New York; Wm. E. Hand, Argus, Ind.; W. G. Matthews, Dayton, O.; Joseph and H. O. Bock, Burlington, Ia.; — Hill, of Hill Bros., Geneseo; Theo. Meyer, Waukegan.

Springfield, Ill.

Frank A. Friedley, for the past two and one-half years superintendent at Miss Bell Miller's, has resigned his position to take a more responsible one as superintendent of the J. M. Gasser Co.'s greenhouse plant at Rocky River, O. Mr. Friedley is succeeded by David Allchin.

Wm. W. Thomas, formerly with A. C. Canfield, is starting out on his own account with two acres of land and is building two new houses, each 16x100 feet. His address is R. R. No. 2.

Lake Forest Horticultural Society.

We are advised that the annual exhibition of the Lake Forest Horticultural Society will be held July 15. According to present plans it is expected the show will be much more extensive than that of last year.

BLOOMINGTON, ILL.—A meeting of the florists' advisory committee of the Illinois Experiment Station has been called by Prof. J. C. Blair, chief of horticulture, to meet here Wednesday, July 1, at 2 p. m. A full attendance is expected.

KENNICOTT BROS. COMPANY,

Wholesale Cut Flowers.

48-50 Wabash Ave., CHICAGO.

L. D. Phone, Central 466.

Peonies Now

Price 3 to 6 cents.

We will have anything in the line of

Cut Flowers and Greens

that you may want if anybody has it, at Chicago market prices on day of shipment.

Vaughan & Sperry,

Wholesale Florists,

56 and 80 Wabash Ave., CHICAGO

WRITE FOR SPECIAL PRICES.

E. F. WINTERSON CO.

Long Distance Phone Central 6004.

45-47-49 Wabash Ave., Chicago

Wholesale Cut Flowers and Florists' Supplies.

All Cut Flowers in Season at Chicago Market Quotations.

Florists' Supplies Send us a list of your needs for the fall **"now"** and save money. **Special prices on all general supplies during July.**

Have you used **OUR WIRE WORK** the **KIND THAT STANDS UP?**

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of **CUT FLOWERS**

WEILAND & RISCH

Wholesale Growers and Shippers of

CUT FLOWERS

59 Wabash Ave., CHICAGO.

'Phone Central 879.

Write for our wholesale price list.

WHOLESALE FLORISTS

For Weddings and Commencements

CUT FLOWERS AND SUPPLIES.

We are Headquarters.

E. H. HUNT

——SEND FOR PRICE LIST.——

76 Wabash Avenue, CHICAGO.

E. C. AMLING

THE LARGEST, BEST EQUIPPED, MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.

32, 34, 36 Randolph Street, CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, July 1.

Rose, Beauty, extra fancy	4 00
" " 24 to 30-in. stems	3 00
" " 12 to 20-in. stems	1 50@ 2 00
" " Short stems	1 00
" Killarney	6 00@12 00
" Bride, Maid Ivory Gate	4 00@ 6 00
" Liberty, Richmond	4 00@ 8 00
" Chatenay, Perle	4 00@ 6 00
Carnations	1 50@ 3 00
Lilium Harrisii, per doz.	1 00@ 1 25
Callas, per doz.	1 00@ 1 25
Lily of the valley	2 00@ 4 00
Gladiolus, per doz.	1 50@ 2 00
Peonies, per doz.	40@ 75
Snapdragon, per doz.	50@ 75
Sweet Peas	50@ 2 00
Pansies	75@ 1 50
Iris, blue	5 00
" white & yellow	3 00
Narcissus, poeticus, double	2 00
Cornflowers	60@ 75
Daisies, white	75@ 1 00
" yellow	1 00@ 2 00
Smilax, per doz	2 00
Asp. Plu. & Sprengeri, bunch	50
Asparagus strings, each	50
Adiantum, per 100	75@ 1 00
Leucothoe sprays	60@ 75
Ferns, per 1000	2 50
Galax, green, per 1000	1 00
bronze, per 1000	1 00
Boxwood, per bunch	35

Chas. W. McKellar

51 Wabash Ave.

CHICAGO.

ORCHIDS

A Specialty

Fancy Stock in **VIOLETS VALLEY, ROSES, BEAUTIES, CARNATIONS** and a full line of all **Cut-Flowers, Greens, Wire-Work** and **FLORISTS' SUPPLIES.**

Send for Complete Catalogue.

Poehlmann Bros. Co.

Wholesale Growers of and Dealers in **Cut Flowers**

All telegraph and telephone orders given prompt attention.

Greenhouses: MORTON GROVE ILL.

35-37 Randolph St. CHICAGO.

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO

Telephone, Central 3284.

"THE BUSIEST HOUSE IN CHICAGO."

J. B. DEAMUD CO.,

51 Wabash Avenue, CHICAGO.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. **WHOLESALE FLORISTS** CHICAGO.

—THE—
J. M. McCullough's Sons Co.
Wholesale Commission Florists.
CONSIGNMENTS SOLICITED.
Special attention given to Shipping Orders.
Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.
Price List on Application.
316 Walnut St., CINCINNATI, OHIO.
Phone Main 584.

Holton & Hunkel Co.
WHOLESALERS OF
CUT FLOWERS and SUPPLIES.
462 Milwaukee St.,
MILWAUKEE, WIS.

St. Louis.

FUNERALS MAKE PRESENT BUSINESS.

Business is at a standstill, except the large amount of funeral work on hand. Almost every florist was busy in this line, otherwise there would be but little outlet for the flowers coming in. Good stock, however, is scarce and anything coming in that is any way fair can be sold at good prices. This is the case with roses and carnations except, perhaps, of long stemmed American Beauty, which has been plentiful, but many of the blooms opened up quickly and went to waste. Sweet peas do not seem to improve and evidently this will be a very poor season for outdoor stock. Hollyhocks and other outdoor flowers, including many daisies, help to fill up the counters at the wholesale houses.

NOTES.

Guy L. Stewart of the Department of Agriculture at Washington, D. C., visited this city last week to investigate the raising and marketing of horse radish. He stated this is the largest horse radish producing center in the United States. The variety chiefly grown is the Maliner Krens. Mr. Stewart will also investigate the raising of water cress, endive and chervil for all of which there is a good market.

A movement is now on foot, since the high water, to establish a park on the levee front, several buildings having been condemned. This movement will surely meet with success as several of the buildings are owned by the Shaw estate, who will assist the city in every way to make an imposing river front.

Mrs. M. Eggeling and her assistant, Miss Nellie Broe, delighted a large audience at Forest Park Highlands, by a duet entitled "Juanita Dreaming," which received an encore and was followed by the "Last Rose of Summer," these ladies having tendered their services to the police relief association.

Many of the florists were busy Sunday with designs and bouquets given the manager and individual players of the Browns baseball team on its return from Detroit as leader in the race in the American league.

A meeting of the trustees of the Florists' Club was held at the store of Chas. Schoenle. Arrangements were perfected for the picnic and these will be brought up at the next meeting.

Ostertag Bros. are out with their new catalogue, a very tasteful affair. This firm had a big decoration Monday at St. Charles. Julius Koenig, Henry's right bower, was overseer.

John Burke will close his store at Sixth and Locust streets this week and will reopen September 15, and in previous years has found it pays physically and financially.

Notices are up in the four wholesale houses announcing early closing for July and August, Saturdays and Sundays at noon, other days at 5 p. m.

We regret to announce the indisposition of Robt. Beyer. It is hoped he will be all right by July 15 so he can run a race or two at the picnic.

A. Gumz, assistant at Geo. Angermueller's, will take a two weeks' vacation. Al intends to have a good time but will show up for the picnic July 15.

W. F.

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations and all kinds of Seasonable Flowers in stock.
WM. F. KASTING CO. Wholesale Commission Florists.
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

Weiland & Olinger,
128 E. Third St., CINCINNATI, OHIO.
Wholesale Growers and Shippers of Cut Flowers.
Greenhouses, NEW CASTLE, IND.

Wholesale Flower Markets

BUFFALO, July 1.

Roses, American Beauty	3 00@25 00
" Bride, Bridesmaid, Meteor	3 00@ 8 00
Carnations	1 00@ 2 00
Lily of the valley	2 00@ 4 00
Smilax	15 00
Adiantum	50@ 1 50
Lilies	10 00@15 00
Galax, per 1000	$1 50
Ferns, per 1000	1 50
Mignonette	1 00@ 2 00
Daisies	50@ 1 00
Sweet peas	20@ 50
Asparagus Sprengeri, per bunch	25 50
Asparagus plumosus, per bunch	25@ 50
Peonies	2 00@ 5 00

CINCINNATI, July 1.

Roses, Beauty	$1 00@$ 4 00
" Bride, Bridesmaid	3 00@ 6 00
" Richmond	3 00@ 6 00
" Golden Gate	3 00@ 6 00
" Ivory	3 00@ 6 00
Carnations	1 00@ 3 00
Lily of the valley	2 00@ 3 00
Shasta Daisies	75
Harrisii	12 50
Smilax	12 50@15 00
Asparagus plumosus and Sprengeri in bunches, per bunch 25c	
Eastern Ferns, per 1000	$2 00
Galax, Green and Bronze	$1 00
Iris	2 00
Peonies	4 00
Sweet Peas	50

ST. LOUIS, July 1.

Roses, Beauty, long stems	2 00@ 2 50
" " medium stems	1 50@ 2 00
" " short stems	3 00@ 6 00
" Bride	2 00@ 5 00
" Bridesmaid	2 00@ 5 00
" Chatenay, Richmond	2 00@ 5 00
" Killarney	2 00@ 5 00
Carnations, common	75@ 1 00
" best	1 50@ 2 00
Smilax	12 50
Asparagus Sprengeri	1 00@ 2 00
" cut sprays	1 00@ 2 00
Ferns, fancy, per 1000	$2 00
Lily of the valley	3 00
Sweet peas	15@ 25

MILWAUKEE, July 1.

Roses, Beauty	75@ 3 00
" Liberty, Chatenay	1 50@ 6 00
" Bride, Bridesmaid	1 50@ 6 00
" Richmond, Golden Gate	1 50@ 6 00
" Perle	1 50@ 6 00
Carnations	50@ 2 00
Smilax	$1 50 per doz.
Asparagus, sprays	3 00
" Sprengeri	2 00@ 3 00
Lily of the valley	3 00@ 4 00
Adiantum	1 50
Common ferns	$1 50 per 1000
Harrisii lilies	6 00@ 8 00
Sweet peas	25@ 50

Buffalo Cut Flower Co.
495 Washington St.,
BUFFALO, N. Y.
Long Distance Phones:
Bell Seneca 3762. Frontier 3607.
CARNATIONS, ROSES
and all other seasonable flowers on hand at all times.
—ALSO—
Wire Designs and Florists' Supplies

RICE BROTHERS
Wholesale Florists and Supplies,
115 N. 6th St., MINNEAPOLIS, MINN.
CUT FLOWERS received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities.

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A Complete Line of Wire Designs

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WHOLESALE FLORISTS,
Bell, Main 2018. Kinloch, Cent. 410.
1316 Pine St., St. Louis, Mo.

H. G. BERNING,
Wholesale Florist
1402 Pine St. ST. LOUIS, MO.

HARTFORD, CONN.—The exhibition of roses at the meeting of the Horticultural Society, June 19, was said by President Huss to be the best display the society had had in years in point of varieties and perfection of bloom. The blooms were displayed separately in glass bottles to good effect. The judges awarded the exhibit of Peter Zuger, superintendent of Elizabeth park, 90 points on his collection of more than 100 different named kinds; J. F. Huss, of the J. J. Goodwin greenhouses, was awarded 75 points on his collection of 75 varieties.

Traendly & Schenck,
WHOLESALE FLORISTS,
44 West 28th Street, Phones, 798 and 799. New York City.

Alexander J. Guttman,
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES, 1664-1665 MADISON SQUARE
ENOUGH SAID

New York.

SCHOOL CLOSINGS HELP.

Considering the fact that much of the weather of the past week was sizzling hot, business was very fair. This was in part accounted for by a continued decrease in the supply of stock. The closing exercises of various educational institutions caused a considerable demand and there was a large amount of funeral work. At any other season, with so little good stock coming in, the scarcity would have caused inconvenience. Aside from a few good Kaiserin, American Beauty and Killarney are now about the only roses that can be depended on to stand up over night, and many of these are poor. The time of the carnation's departure was at hand but the hot wave hurried it some. There may be a few stray lots of passable blooms come in yet, but finis is written to the season's crop.

June 29.—The market is quiet and the price of American Beauty roses has fallen off. Arrivals are light in all stocks and as the weather continues warm and dry there is little prospect of a surplus. It must be considered, however, that we are now almost in July, when the period of weddings and commencements is ended, therefore there are no great expectations.

NOTES.

J. H. Small & Sons made up a number of very noteworthy designs for the funeral of Ex-President Cleveland. One was a large Roman wreath on an easel, the lower part of the wreath being covered with cattleyas to the number of 150. Another was a large standing wreath in which a still larger number of orchids were used, the base being of lilies. While these pieces were being made up in the store they caught the eye of the Broadway crowd and at times the sidewalk was blocked with interested onlookers. These designs were made on the order of high officials of the government of Brazil.

As an incentive to steamer business the Fleischman Floral Co. displays in one of the large show windows of its Hoffman House store a beautiful model of the new Holland-American Line steamship "Rotterdam." The model is about 15 feet in length and is a constant drawing attraction for the crowds that frequent the Madison square district.

The funeral tributes from the Cleveland family for the ex-president were executed by J. W. Hauser, of 571 Madison avenue, who has long been the family florist. Among his orders was one for several hundred of the old fashioned field pinks. It is said that these had been Mr. Cleveland's favorite flowers.

The seventy-fifth annual fair of the American Institute will be held at the Berkeley Lyceum, September 22-24, and the list of premiums to be awarded for plants, flowers, fruits, vegetables, etc., is now ready. Copies may be had on application to Robt. A. B. Dayton, 19-21 West Forty-fourth street, New York.

S. Halfing, of the supply firm of Russin & Halfing has just returned from Europe, where he has sojourned for about six weeks. He says that he spent $799.50 and considers it very cheap for the fun he had. Mr. Halfing brings back a large stock of florists' supplies, among which are all the latest novelties.

Visitors: J. H. Small, Jr., Washington, D. C.; Wm. F. Kasting, Buffalo; W. W. Castle and W. J. Stewart, Boston, Mass; Daniel B. Long, Buffalo; Frank McMahon, Seabright, N. J.

Tel. 1009 Madison Sq. Established 1872
PERKINS & NELSON,
Wholesale Florists,
57 West 26th Street, Cor. 6th Avenue NEW YORK.

Wholesale Flower Markets

NEW YORK July 1.

Roses, Beauty, special	15 00	@20 00
" " fancy	8 00	@10 00
" " extra	4 00	@ 8 00
" " Nos. 1 2 and 3	50	@ 3 00
" Richmond	1 00	@ 3 00
" Kaiserin Special	4 00	@ 6 00
" Bride, Bridesmaid, Killarney Extra and Special	2 00	@ 4 00
" No. 1		50
" No. 2		25
Carnations, fancy		2 00
" common	1 00	@ 1 50
Lilies	3 00	@ 6 00
Lily of the valley	1 00	@ 3 00
Asparagus plumosus strings	25 00	@40 00
" per doz. bunches	2 00	@ 3 00
Smilax	8 00	@10 00
Cattleyas	35 00	@50 00
Gardenias	1 00	@ 5 00
Sweet peas.....per dozen bunches	25	@ 50
Snapdragon	1 00	@ 3 00
Gladiolus	2 00	@ 4 00
Centaureas	1 00	@ 2 00
Daisies	25	@ 30
Coreopsis	25	@ 30
Candytuft.....per dozen bunches	40	@ 50
Feverfew.....per dozen bunches	60	@ 75

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Receivers and Shippers of
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WHOLESALE FLORISTS,
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Opposite N. Y. Cut Flower Co.
Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best Prices. Satisfaction guaranteed. Tel. 4878 Madison.

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American Beauty Roses a Specialty. Roses, Violets, Carnations, Valley, Lilies, Etc.
57 West 28th St., NEW YORK CITY
Telephones: 2200 and 2201 Madison Square.

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WHOLESALE FLORIST,
Telephones: 3532 and 3533 Madison Sq.
39 West 28th St., NEW YORK

Young & Nugent,
Telephone, 2065-2066 Madison Sq.
42 West 28th St., New York
To out-of-town Florists: We are in the Heart of
And give Special attention to Steamer and Theater orders. Prompt deliveries and best stock in the market.

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Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable Wall Space to Rent for Advertising.
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PLANTSMAN AND FLORIST,
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Out of Town Orders a Specialty.
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JOHN I. RAYNOR
Are the best product of the best growers for the New York Market.
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Headquarters For all seasonable **Cut Flowers**

Finest **VALLEY** always on hand.

PEONIES.....$2.00 to $6.00 per 100
CROWEANUM.....$1.25 per 100

New Fancy Ferns, $1.25 Per 1000

In the Supply Dept.: **CHIFFONS** and **RIBBONS** to harmonize with all flowers. Large assortment of Fancy and Novelty **BASKETS.** Send us an order for **WIRE WORK.**

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Philadelphia.

EARLY ASTERS SELL WELL.

The best rose now on the market is the imported American Beauty; in fact with the exception of Kaiserin it is the one and only, when anything of quality is desired. Bride, Bridesmaid, Killarney and Richmond are pleasant memories and a few respectable flowers of Liberty are occasionally seen but these will also soon pass out of sight. John Burton is sending in some Chatenay that is good for the season. Sweet peas are still plentiful but show signs of the finish, with the exception of the late plantings which will hold over into July. The first of the asters have made their appearance the past week, Charles Hartley bringing in an early sort which he tried this season for the first time. He says it sells on sight. There is an abundant supply of small white flowers such as candytuft, pyrethrum, double petunias and the like for the design men. Fancy pond lilies are also kept in stock by the commission houses and find a good sale, as many of the stores fit their show windows with miniature lakes and stock them with gold fish and pond lilies. Vases of yucca spikes with their showy white flowers are also used for window and store decorations. Double cornflower and larkspur have been popular for the past two weeks, the colors being much in demand for school closings.

NOTES.

Jacob D. Eisele, of the H. A. Dreer Co., in company with his daughter, Miss Bertha, sails July 4 for an extended European trip, to be gone until early October. The itinerary of the journey includes the romantic spots of Scotland, a visit to Dickson's rose nursery in Ireland and a tour through Belgium, Germany, Italy, Switzerland and France. This is more of a pleasure than a business trip and will give Mr. Eisele a well deserved vacation. He will probably look over the continental azalea and palm stocks for this season's importations. He will also keep his eyes open for novelties. There is no better judge of the merits of a new plant than Mr. Eisele, whose long experience enables him to say at once whether it will take in the American market. Cibotium Schiedei is now in good demand with this firm, the stock going mostly to retailers for window decorations.

S. S. Skidelsky says that of the new carnations, Afterglow and Winona will be largely planted as these varieties have proved of standard worth. He also says that Beacon is clearly first in red, with Victory second. Winsor is also a winner and will be the leading pink. Lawson, pink and white, Enchantress, White Enchantress, White Perfection and Lady Bountiful will also be largely planted.

J. W. Colflesh of the Merry Heights Nurseries is about erecting another house 17x100 feet. He says the season has been all right; a recent sale of 200 strings of asparagus and another 100 the same week boosted the green goods considerably.

The Leo Niessen Co. has been handling an exceptionally fine lot of sweet peas. Some new crops of American Beauty roses are appearing but the stems are a trifle short as yet. Some very choice orchids were seen here the past week.

There was an exceptional demand for American Beauty the day of the girls' high school closing, last week. Wm. McKissick handled 2,500 of the eastern stock in two days. He says the summer business is quite up to expectations.

John W. McIntyre is handling green goods now, with as much ease as during the winter season. He says he can sell all he can get. Double cornflowers and larkspur have been a specialty the past two weeks.

Geo. Anderson and J. W. Colflesh took an auto ride to Thornhedge, H. H. Battles' country place, one day last week, and they were much pleased with the appearance of the stock both inside and out.

The paper of Arthur Niessen is to be further discussed at the next meeting of the Florists' Club, the short business session of June cutting off the debate just as it was getting interesting.

K.

Madison, N. J.

The Morris County Gardeners and Florists' Society will hold no meetings during July and August. This has been the custom for several years. The evening of June 10 was devoted to ferns, and Frank Eskeson, the fern specialist of this city, had a fine collection of ferns in salable sizes, just the kind to help make an effective decoration. He had also a set of fern dishes filled to show his taste and to invite criticism. His essay on "Fern Culture and Fern Decorations" was well received. Frank can write as well as work. There was also an exhibition of hardy herbaceous flowers which was creditable. Frau Karl Druschki was there in fine shape from Wm. Duckham, A. Herrington and C. J. W. Ottolander of F. & F. Nurseries. Mr. Ottolander had also an exhibit of flowering shrubs and herbaceous flowers to his credit. J. C. Elliott, gardener to John J. Waterbury, had a large vase of a carmine rose of the habit of Crimson Rambler, but 10 days earlier. The club has decided to get as many of its members as possible to join with the New York Florists' Club in its outing. C. H. Totty, R. M. Schultz and J. A. Minder form the committee of arrangements. A good time is anticipated and Totty is training for the fat man's race.

NOTES.

L. A. Noe is putting in cement benches in many of his houses. They are all cement, sides, bottom and supports—practically indestructible so far as one can see. The cost of wooden staging has not been a bug-bear to Mr. Noe. The genial manager, J. Ruizicka, showed some benches that had been used 15 years. Stock looks in splendid condition. Everything is done thoroughly and with system.

Percy Herbert, president of the Gardeners and Florists' Society, sailed for Europe June 20 with his family. He expects to be gone three months, and intends to do England, Scotland, and, if possible, a part of Ireland.

Robt. M. Schultz has rented his greenhouses on Rosedale avenue and has signed a contract with Vaughan's Seed Store as traveling solicitor. Bob ought to make a good one.

Wm. Duckham is beginning to prick up his ears, and none of us will be surprised should he take a notion to "sail the seas o'er," at any time.

A. R. Kennedy is intending to take a little vacation soon. We will no doubt be able to tell the details of his trip when he returns.

C. H. Totty is busy just now supplying the trade with chrysanthemums and other stock; roses in particular.

E. R.

Baltimore.

BUSINESS VERY DULL.

There is a continuance of the almost phenomenal drought for this season of the year in this section and gardens and plantations of almost every kind, unless exceptionally favorably located, are feeling the effects of lack of moisture. The hay fields and pasture lands are almost brown and gardens are at a standstill. One of the consequences is the absence of outdoor flowers. Phloxes are drying up and there is little in the way either of perennials or annuals adapted to florists' use. Last week, the time of year and conditions of supplies considered, trade showed some little activity, but material was scarce if quality was at all to be thought of. Carnations are about done for; sweet peas are done and roses feel the untoward influence of hot air and burning sun. The temperature, except for one or two days when the mercury reached very near the 100° mark, has not been abnormally hot, and the nights have been distinctly cool, going down once or twice to about 55°. The street merchants are scattering, going to the seashore and convention cities, and the market men stay at home. Foreign shipments, meaning those from growers in other states, have practically ceased and demands for lily of the valley and American Beauty roses if they became apparent, could be filled with great difficulty. The commencements are all things of the past, the wedding season is closed, and the customary dullness of July is upon us. The store windows show little bloom and all in the trade now must follow the example of the animals of hibernating habits and for several months (in their case in winter), live off their own fat.

NOTES.

Black Bros. at Lutherville are building two new houses, about 18x100 feet, one for roses, the other for chrysanthemums. Their father, Andrew L. Black, now one of the oldest of the florists here and long active in trade and public affairs, is a confirmed invalid, and seldom leaves his room.

Nothing is heard yet of the convention of the Society of American Florists, but the convenience of access of the meeting ought to attract many from this point.

S. B.

GRANDVILLE, MICH.—The plant of the Stover Floral Co. has been torn down and will be rebuilt at once.

BEARDSTOWN, ILL.—The banana plants, in flower and fruit, at Frank Bros.' greenhouses have attracted considerable attention among their customers and visitors.

CELINA, O.—Jesse Ernsberger is giving the residents of Mercer county demonstration of the art of cucumber raising. Jesse is harvesting cucumbers from his indoor plants at the rate of thousands a day.

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Lily of the Valley, Carnations and all Tea Roses,

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CARNATIONS in quantity. Special prices on large orders.

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Providence.

SCHOOL WORK BETTER.

Graduation work was much better this year than last and, despite the prohibitive restrictions placed upon flowers by school masters and school committees some few years ago, the business increases steadily and bids fair to soon equal that of seasons past. The grammar school masters particularly take action to discourage the use of flowers for that occasion, and if flowers are sent addressed to the schools they are put in a faraway room until the exercises are finished. In the high schools there seems to be no objection, and bouquets and baskets are willingly accepted by the ushers and placed conspicuously. The private schools and commercial colleges furnish a greatly increased call over that of a few years ago. Carnations, roses and sweet peas were mostly used in the work, and as prices ruled low, there was a good margin, the only drawback being the poor quality of carnations. Bouquets at $1 to $2 and baskets from $2.50 to $4 were the usual order.

M. M.

Rhode Island Horticultual Society.

The annual June exhibition of roses and strawberries by the Rhode Island Horticultural Society was held June 19 at Elks hall, Mathewson street. Considering the lateness of the season, the showing was a creditable one. In strawberries the display was confined to two exhibitors, but as each showed more than a dozen plates the whole made a very attractive and appetizing effect. In roses the several tables were well supplied, but with the exception of the exhibition made by the Roger Williams park there was no distinctive feature. The park entered the collection class with 100 bottles of named varieties and the table which this collection occupied at the right of the entrance proved one of the most interesting.

The hall was arranged somewhat differently from the usual plan. On the front platform was an artistically banked collection of foliage plants, including palms, ferns and variegated decorative plants, which formed a picturesque background, and the long fronds of the kentias and the ferns drooping over the tables in front of the platform made a cool bower. The hall was arranged and the exhibits were staged under the direction of William Appleton, who officiated as superintendent of the hall. Charles Smith, secretary of the society, had general supervision of the exhibition.

Aside from the roses and strawberries one of the most attractive exhibits was that made by Miss L. M. Mullin of an immense bouquet of wild laurel, which, though extremely late, was so carefully selected as to be just flowering. The effect of the hexagonal-shaped flowers of pink and white amid the glossy deep green leaves was one of the conspicuous objects in the hall. Another beautiful display was a table containing a dozen pots of vari-colored gloxinias in full bloom belonging to Mrs. E. C. Hill.

Wholesale Flower Markets

PHILADELPHIA, July 1.

Roses, Tea	4 00@ 6 00
" " extra	8 00@10 00
" Liberty	6 00@25 00
" Beauty, extra	20 00@25 00
" " first	10 00@15 00
Carnations	1 50@ 3 00
Lily of the valley	2 00@ 3 00
Asparagus, bunch	50 00
Smilax	15 00@20 00
Adiantum	1 00@ 1 50
Cattleyas	50 00@60 00
Lilium Harrisii	6 00@ 8 00
Mignonette	2 00@ 3 00
Sweet peas	50@ 75
Gardenias	15@ 25

PITTSBURG, July 1.

Roses, Beauty, specials	20 00@25 00
" " extras	12 00@15 00
" " No. 1	8 00@10 00
" " ordinary	4 00@ 6 00
" Bride, Bridesmaid	2 00@ 6 00
" Chatenay	2 00@ 8 00
" Richmond	3 00@ 8 00
" Perle	4 00@ 6 00
" Killarney	3 00@ 6 00
Carnations	1 00@ 1 50
Lily of the valley	3 00@ 4 00
Smilax	15 00
Asparagus, strings	50 00
" Sprengeri	3 00@ 4 00
Lilies	12 50
Adiantum	1 00
Cattleyas	75 00
Sweet peas	25 50
Gladiolus	4 00@ 5 00
Daisies	50@ 1 00
Coreopsis	50

BOSTON, July 1.

Roses, Beauty, best	15 00@20 00
" " medium	10 00@12 00
" " culls	2 00@ 4 00
" Bride, Bridesmaid	1 00@ 2 00
" Extra	4 00@ 8 00
" Liberty	8 00@12 00
Carnations	75@ 1 00
" Fancy	1 00@ 2 00
Smilax	8 00@12 00
Adiantum	75@ 1 00
Lilies	6 00@ 8 00
Asparagus	35 00@50 00
Harrissi	6 00@ 8 00
Callas	4 00@ 8 00
Narcissus	1 00@ 2 00
Sweet peas	35@ 50
Peonies	2 00@ 3 00

J. B. Murdoch & Co.

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All Seasonable Flowers.

Pittsburg Cut Flower Co.

(Limited)

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CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

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Messrs. WILLS & SEGAR will attend to any commissions from American florists for the supply of Cut Flowers, Birthday flowers, Bouquets, High Class Floral Designs, etc. to their clients who may be traveling in England.

WILLS & SEGAR, Court Florists to His Majesty, The King.

ROYAL EXOTIC NURSERY.

TELEGRAMS, FLOSCULO, LONDON. Onslow Crescent, South Kensington, LONDON, ENGLAND.

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WILLIAM L. ROCK Flower Co.,

Will carefully execute orders for Kansas City and any town in Missouri, Kansas or Oklahoma.

St. Louis, Mo.

Fred C. Weber,

FLORIST,

Established 1873. Bell, Lindell 676. 4320-4328 Olive St.

Cleveland.

KAISERIN ROSES GOOD.

The most quiet months of the year are at hand again. Business no doubt will remain dormant until late into the fall, with an occasional funeral and a few midsummer weddings to relieve the dull monotony of the hot months. Even now the early morning purchases are extremely light, and the rest of the day is very quiet. The past week was the hottest we have had for several years and therefore was a bad one for shippers. Some stock arrived in very poor condition. Sweet peas are coming in great quantities, they bring $2 $3 per 1,000. Short stemmed roses are plentiful, while the better grades are a little scarce. Every morning sees someone out hustling for long stemmed white roses. The quality of Kaiserin has never been equaled; there is an increasing demand for this rose. Carnations are deteriorating very fast, but it is surprising to notice how well Lady Bountiful, Vesper and Melody hold their own. Water lilies are in abundance and sell readily. Shasta daisies also enjoy a good demand. The price of common fern has dropped and galax advanced both to $1.50 per 1,000.

NOTES.

The James Eadie Co. reports a busy week in funeral work. This firm has a number of luncheons booked for the coming week, given in honor of the National Educational association.

The annual outing of the Florists' Club will be held on the last Wednesday in July, at Cedar Point. Full particulars will be given later.

Milford Parks has closed his stand in the Citizens building for the summer.

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Cor. Miami and Gratiot Aves.

Artistic Designs.
High Grade Cut Blooms.

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JACOB SCHULZ,

644 FOURTH AVENUE.

Cut Flowers of BEST QUALITY in season, delivered promptly to any address. Write, Telegraph or Telephone Cumberland and Home Phones 223 and 984

KUTZTOWN, PA.—Fred N. Bair, has decided to build an addition to his present greenhouse 20x80 feet.

CUMBERLAND HILL.—Wm. Taylor was shot June 24 when assisting Chief of Police Bishop in arresting a Greek who was firing a revolver in the street. Dr. Wood who was summoned said there was little hope of Mr. Taylor's recovery.

EL PASO, ILL.—The El Paso Carnation Co. has started the improvements to its plant, some of which will be the new stack, and water system. The entire plant will be devoted to the raising of cut flowers to supply the steady and increasing demand for this product.

Brooklyn, N. Y.

Robert G. Wilson

Fulton St. and Greene Ave.

Greenhouses: Short Hills, N. J.

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Greater New York, Long Island and New Jersey.

Trade orders from all parts of the country filled for delivery at residence, steamer, hotel, or theater on wholesale basis. Satisfaction guaranteed. Wire or telephone.

Evansville, Ind.

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Special attention to Telegraph or Telephone orders, 'Phone 1912.

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THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in MINNESOTA AND THE DAKOTAS.

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CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

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Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address: "Daniels, Denver."

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

Chicago.
Established in 1857.
Wittbold FLORIST
1657-1659 Buckingham Place,
L. D. Phone 558 Lake View.
Send us your retail orders.
WE HAVE THE BEST FACILITIES IN THE CITY

San Francisco, Calif.
J. B. BOLAND
Successor to Sievers & Boland,
FLORIST,
60 KEARNEY STREET.

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THE HONOLULU FLORIST,
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Cable address, "Florist." Telephone 339.

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The Cleveland Cut Flower Co.
Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

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MYER, FLORIST,
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WASHINGTON D. C.
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WRITE, WIRE OR PHONE YOUR ORDERS TO
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1406 Olive Street.
Regular discount allowed on all orders, either Plants or Cut Flowers.
Phones Bell, Main 2306. Kinloch, Central 4981.

Dayton, O.
Matthews,
—FLORIST—
16 W. 3rd Street.
Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones

KANSAS CITY MISSOURI AND VICINITY!
The Leading Florist
ALPHA
Six Refrigerators always overflowing with Great Assortment.
ALPHA FLORAL CO.
1105 Walnut St.,
KANSAS CITY, MO.

Buffalo, N. Y.
Palmer's
W. J. Palmer & Son. 304 Main St.

A Good Window Sign.

July 7, Kronprinzessin Cecilie, N. Y.-Bremen.
July 7, Kaiser Wilhelm II, Bremen-New York.
July 8, Merion, Liverpool-Philadelphia.
July 8, Lucania, New York-Liverpool.
July 8, Teutonic, New York-Southampton.
July 8, Majestic, Southampton-New York.
July 8, New Amsterdam, New York-Rotterdam.
July 8, Neckar, Baltimore-Bremen.
July 9, La Touraine, New York-Havre.
July 9, Kensington, Liverpool-Montreal.
July 9, Baltic, New York-Liverpool.
July 9, Arabic, Liverpool-New York.
July 9, Corsican, Liverpool-Montreal.
July 9, Corinthian, London-Montreal.
July 9, Moltke, New York-Hamburg.
July 9, Deutschland, Hamburg-New York.
July 9, Prinzess Irene, Genoa-New York.
July 9, Luetzow, New York-Bremen.
July 9, Chemnitz, Bremen-Baltimore.
July 10, Tunisian, Montreal-Liverpool.
July 10, Manitou, Philadelphia-Antwerp.
July 11, New York, New York-Southampton.
July 11, Haverford, Philadelphia-Liverpool.
July 11, Caronia, New York-Liverpool.
July 11, La Provence, Havre-New York.
July 11, Dominion, Montreal-Liverpool.
July 11, Pomeranian, Montreal-London.
July 11, Caledonia, Glasgow-New York.
July 11, Calabria, New York-Naples.
July 11, Pennsylvania, Hamburg-New York.
July 11, Noordam, Rotterdam-New York.
July 11, Prinz Friedrich Wilhelm, Bremen-N. Y.
July 11, Vaderland, New York-Antwerp.
July 11, Gothland, Antwerp-New York.

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Bertermann Bros. Co.
FLORISTS
..... 241 Massachusetts Ave.

Albany, N. Y.
EYRES
Flowers or Design Work.
DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.
11 NORTH PEARL STREET,

Denver, Colo.
The Park ...Floral Co.
J. A. VALENTINE, President.

Philadelphia, Pa.
Robert Kift,
1725 Chestnut Street.
Prompt and Careful Attention given to all Mail and Telegraph orders.

Kansas City, Mo.
GEO. M. KELLOGG,
906 Grand Avenue,
KANSAS CITY and PLEASANT HILL, MO.
Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

Chicago.
HAUSWIRTH FLORIST
M. C. and J. E. Hauswirth.
Auditorium Annex.
Mail, telegraph or telephone orders filled promptly in best style.

Atlanta, Ga.
ATLANTA FLORAL CO.
41 PEACHTREE STREET.

The Seed Trade.

American Seed Trade Association.
Watson S. Woodruff, Orange, Conn., Pres.; J. C. Robinson, Waterloo, Neb., First Vice-Pres,; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-seventh annual convention, June, 1909.

"S. P. Q. R." is the motto of one of our seed trade correspondents.

A. J. BROWN and J. Chas. McCullough are on a fishing trip in Michigan.

COLLECTIONS are reported slow at this time by many wholesalers and florists.

FRENCH growers are offering flesh colored (incarnata) trefoil by circular letter.

CONNECTICUT onion seed growers report good prospects, but not quite so favorable as last year.

FROM Detroit L. L. May and Mrs. May with J. E. Northrup and son returned home via Steamer Northland.

LOUISVILLE, KY., June 30.—Onion seed crops are looking well in this vicinity, but onion sets are suffering some from lack of rain.

THE next London exhibition of the National Sweet Pea Society of England will be held at Royal Horticultural Hall, July 24.

CONSIDERABLE anxiety is expressed regarding late varieties of sweet corn. One large dealer is said to have purchased 1,000 bushels at the convention.

TROY, N. Y.—The Nott Seed Co. has been incorporated with a capital of $2,500. The directors are P. K. Nott, Ella M. Nott and C. Howard Trovell, all of this city.

MILFORD, CONN.—Dora E. Clark, only daughter of Albertus N. Clark, was married June 17 to A. N. Walker of Chicago. They will live at Hinsdale, a suburb of that city.

CHICAGO.—Grass seed prices on the board of trade July 1 were noted as follows: Prime timothy, $4.10 (nominal); choice white clover, $15.—A. H. Goodwin has returned from Asheville, N. C.

IN the list of new members elected at the Detroit convention of the American Seed Trade Association we gave the name of Bromfield-Colvin-Ries Co., Bay City, Mich., and we are now informed that the name of this firm has been changed to Bromfield & Colvin.

PROF. N. E. HANSEN of the Agricultural Experiment Station, Brookings, S. D., is making an investigation of forage plants in Siberia, where climatic conditions are similar to those of the semi-arid lands of Wyoming, Colorado, Montana and the Dakotas.

A LARGE number of seedsmen visited the trial grounds of D. M. Ferry & Co., and the Jerome B. Rice Co. Pea trials were in good shape and many very fine new sorts were noted. Among the best may be mentioned Little Marvel, Laxtonian, Westfield, and Alderman, all English introductions.

Braslan Seed Growers' Co.
Growers for the Wholesale Trade Only.
SAN JOSE, CAL.

Watson S. Woodruff.
President-elect American Seed Trade Ass'n.

J. C. Robinson.
First Vice-Pres. American Seed Trade Ass'n.

A Blue Grass Pool.

LEXINGTON, KY., June 22.— Growers who represent the world's supply of blue grass seed met in Winchester today and pooled the entire crop of Kentucky. An organization was formed on lines similar to those of the Burley Tobacco Society. No permanent organization was effected, matters being as yet fully in the hands of the authorized sales committee.—Cincinnati Inquirer.

American Seed Trade Association.

DETROIT CONVENTION JUNE 23-25.

The proceedings of the first two days at the annual convention were given in our last issue. At the morning session of Thursday, June 25, the third day of the meeting, the Albert Dickinson Co. presented some correspondence with the manufacturers of a stamp perforating device and showed some examples of the work. The official ruling of the postoffice department relating to the use of the device was also given. Many of those present thought well of its use.

A letter was read from a member who has many times suffered from the apparent unjust ruling of the internal revenue department in the importation of seeds. The communication opened up a general and spirited discussion, many members citing experiences similar to those of the correspondent. It was disclosed that some of the collectors at the larger ports of entry were the greatest offenders in this respect, their excessive appraisements being general and continuous and the burdens and penalties placed upon the seed importers most severe and unjust.

It was pointed out that one firm alone unsupported was continually seeking redress and defending its right and that the time had come for the association itself, as an organized body, to enter its protests with the internal revenue department at Washington, and carry the fight to a successful issue, demanding the department consideration to which each member of the association is entitled. A resolution to this effect was offered, which, being amended, left the entire matter in the hands of the association's present committee on customs and tariffs.

The election of officers for the ensuing year resulted as follows:

Watson S. Woodruff, Orange, Conn., president.
J. C. Robinson, Waterloo, Neb., vice-president.
M. H. Duryea, New York, second vice-president.
C. E. Kendel, Cleveland, O., secretary-treasurer.
Leonard H. Vaughan, Chicago, assistant secretary.

Invitations for the next convention were extended by Niagara Falls, N. Y., Portland, Ore., Atlantic City, N. J., Put-in-Bay, O., and Louisville, Ky. An informal ballot cast for the guidance of the executive committee in the selection of place of meeting resulted as follows: Niagara Falls, 42; Louisville, 11; Atlantic City, 3; Put-in-Bay, 2; Baltimore, 1; Lawrence, Kans., 1.

C. N. Page offered a resolution, which carried unanimously, voicing for the association highest appreciation of the hospitalities of the local seed trade through D. M. Ferry & Co., and the Jerome B. Rice Seed Co.

Wm. Meggat, Wethersfield, Conn., first honorary member of the association, in a letter which was read, acknowledged his thanks and appreciation of the honor conferred upon him.

Before adjournment feeling reference was made to Albert Plant, Everett B. Clark and D. M. Ferry who died during the past year.

The installation of President-elect Watson S. Woodruff was next in order, H. W. Wood escorting him to the chair. He thanked the association for the high honor conferred upon him, but thought it should have been given to one of the older members. He placed a high estimate on the feeling of friendship between the members because it insured a permanent foundation for the co-operation of all in the true interests of the association.

J. C. Robinson on behalf of the association presented Retiring President Green with a beautiful fruit bowl and spoon, the recipient acknowledging the compliment with expressions of gratitude and appreciation.

At 2 p. m. the whole party with their friends took the boat provided by D. M. Ferry & Co., for a ride on the beautiful Detroit river. A sumptuous luncheon was served and music and dancing engaged the happy party until 6 o'clock. Many attaches of D. M. Ferry & Co. were aboard, making everything pleasant for the visitors.

Copies of the AMERICAN FLORIST containing report of the proceedings up to 5 p m. Wednesday, were handed to the members Thursday and the publishers' enterprise was highly commended by the pleased recipients.

Col. J. D. Carmody, who visited the city during the convention, surprised the party on the boat by his nimble and graceful dancing, and he was a guest of Park Commissioner Breitmeyer on an automobile trip through the city parks. The daily papers early discovered his title.

The excessive heat of the first day of the convention was a great disappointment, especially to the southern members who expected a more comfortable climate here.

Most of the eastern contingency left at the termination of the boat ride Thursday at 6 o'clock, taking the steamer Eastern States as far as Buffalo.

The McFarland Publicity Service had an extensive exhibit of lithographic work and catalogue printing in charge of E. R. Thomas.

Dr. W. W. Tracy was warmly greeted by his many friends here, where he lived so many years previous to going to Washington.

The ladies were not prominent for their numbers and few were seen until the occasion of the boat ride Thursday afternoon.

E. H. Cushman, of gladiolus fame, attended the meeting Thursday and with the party enjoyed the boat ride.

ADDITIONAL VISITORS.

In addition to those mentioned last week, the following were present or represented:

A. J. Brown, Grand Rapids, Mich.
E. W. Conklin & Son, Binghamton, N. Y.
F. H. Ebeling, Syracuse, N. Y.
Hogg & Lytle, Port Hope, Ont.
Chas. Lohrman, Detroit, Mich.
J. Chas. McCullough, Cincinnati, O.

J. F. S.

The Spring Business.

Northrup, King & Co., Minneapolis, Minn.—Our season does not close until July 1, and it always take an inventory to tell the story. Trade generally has been very good and values have been quite well maintained. We think that those engaged in the seed trade are awakening to the realization of the cost of doing business. When trade is at its height, in our anxiety to get orders and do business, we are apt to forget the long dull season in which expenses are by no means met by incoming business. It has been said that the seed trade no longer attracts ambitious and capable men, for in it they do not find the reward for their efforts that other lines of business offer. If this is true we should be even more careful in making our prices to consider these expenses, for there is no reason why the seed trade should not be attractive to young and energetic men if the profits are what they should be. There will be no such profits unless we keep these expenses constantly in mind.

Holmes Seed Co., Harrisburg, Pa.—We are pleased to state that we are experiencing the best year's business in our history; this holds good in every branch, including wholesale and retail seeds and supplies. We attribute this to the great care that we have exercised in supplying our customers with only the very purest strains of the highest quality of seed stocks. This, we believe, has more to do with the continued growth than any other cause.

Barteldes Seed Co., Lawrence, Kans.—We close our business year on July 1, and therefore cannot tell exactly how trade has been with us, but we can say that our trade has been fully as good as last year in regard to volume, and we think it has been considerably better in regard to profits. There has been no falling off of trade in any of the varieties of seeds with us. To the contrary, we think there has been an increase in most of them.

L. L. May & Co., St. Paul, Minn.—January, February and March showed a splendid and satisfactory increase over last season. April and May did not keep up as well as we expected at the start of the season, but, all in all, general results to date over last season are very satisfactory and show a net gain over last year's business in all departments, both seed, greenhouse and nursery.

Henry F. Michell Co., Philadelphia, Pa.—Our business, as a whole, has been entirely satisfactory and has shown a large increase over that of 1907. There is no particular falling off and, if any exists, it seems to be in the demand for the higher-priced goods. It is true, on the other hand, that there is a large increase in the sale of goods of a moderate price.

Wood, Stubbs & Co., Louisville, Ky.—Our business for the spring of 1908 is about 15 per cent better than that of 1907. The trade on small seeds has been exceedingly good. We are very well satisfied with this year's business.

John Lewis Childs, Floral Park, N. Y.—Our retail seed and bulb business has been about 5 per cent greater than that during the same period of last year. We are well satisfied with the season's showing.

Imports.

During the week ending June 27 imports were received at New York as follows:

H. F. Darrow, 39 pkgs. seed.

To others, four tubs bay trees, 35 bags seed.

Stokes' Standard Pansy Seed.

Stokes' Standard Mixed Pansy

Is the finest strain of Giant Pansies it is possible to produce. It is a blend of all that is finest in Pansies from France, England and Germany. It is absolutely unrivaled in range of magnificent colors, size and substance.

Trade pkt (2000 seeds) 50c, ⅛-oz. 85c; ¼-oz. $3 25; 1-oz $6 00; ¼-lb. $20 00.

Kingly Collection of Giant Pansies Mixed

A most excellent strain, the same as has been sold for years by the late firm of Johnson & Stokes and has given great satisfaction.

Price ½ trade pkt. 30c; trade pkt. (2000 seeds) 50c; 5000 seeds $1.00; per oz, $5 00; per ¼-lb $14 00.

SEND FOR SPECIAL PANSY CIRCULAR.

FRENCH and DUTCH BULBS in Season. GET PRICES.

STOKES' SEED STORE,

219 Market Street, PHILADELPHIA, PA.

ASPARAGUS PLUMOSUS NANUS SEED

Fresh, 95% Germination.

Reduced on account extra large crop,.....$1.50 per 1000. Large lots less.

DRAKE POINT GREENHOUSES, Yalaha Florida.

Seed Beans

F. L. HOGUE,

CARPINTERIA, CAL.,

Grower for the Wholesale Trade only.

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower

Specialties: Lettuce, Onion, Sweet Peas, Aster Cosmos, Mignonette, Verbena, in variety. Correspondence solicited.

Coe-Tilly Co.

SEATTLE, WASH.

Growers of

Puget Sound Cabbage Seed.

Roemer's Superb Prize Pansies

The Finest Strain of Pansies in the World. Introducer and grower of all the leading novelties. Highest award, International Exhibition, Dusseldorf, 1905. Catalogue free on application.

Fred Roemer, Seed Grower, QUEDLINBURG, GERMANY

Rogers Brothers,

SPECIALTY GROWERS.

Purest Strains GARDEN PEA and BEAN SEED.

For the Wholesale Trade. ALPENA, MICH.

CAULIFLOWER CABBAGE SEED

HJALMAR HARTMANN & CO.

31 Barclay St. NEW YORK.

12 Stormgade, COPENHAGEN, DENMARK

S. M. ISBELL & CO.

JACKSON, MICH.

Contract Seed Growers,

Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.

Correspondence Solicited.

Write for Prices on Surplus Stocks for Immediate Shipment.

MICE PROOF SEED CASES

SEND FOR BOOKLET.

HELLER & CO., Montpelier, O.

MARKET GARDENS.

ST. LOUIS BUTTER HEAD lettuce is said to be an excellent variety for outdoor as well as indoor culture.

TEXAS vegetable shipments over the St. Louis, Brownsville and Mexico railroad amounted in the week ending June 1 to 23 cars of cucumbers, three cars of cabbage, and one of mixed vegetables. This does not include more perishable vegetables which are sent by express. Thirty-five cars of onions and cucumbers left Donna, a small station on the San Fordyce branch, in one solid trainload the present week.

Horse Radish.

Guy L. Stewart, of the Department of Agriculture, Washington, D. C., visited St. Louis last week to investigate the raising and marketing of horse radish. He stated St. Louis is the largest horse radish producing center in the United States, the variety chiefly grown being Maliner Krens. Mr. Stewart will also investigate the raising of water cress, endive and chervil for each of which there is a good market.

TO THE TRADE
HENRY METTE QUEDLINBURG, GERMANY.
GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)
Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnation Cinerarias, Gloxinias, Larkspurs, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious Stocks, Verbenas, Zinnias, etc. Catalogue free on application.
HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, mixed), the most perfect and most beautiful in the world, $5.00 per oz.; $1.50 per ¼ oz.; 75c per 1-16 oz. Postage paid. Cash with order.
All seeds offered are grown under my personal supervision on my own grounds of more than 3,000 acres, and are warranted true to name, of strongest growth, finest stocks and best quality.
I ALSO GROW LARGELY SEEDS ON CONTRACT.
List of my novelties in flower seeds for 1908 sent on application.

working people, but they have been compelled to meet the demands of the commission men in grading and packing.

This observant broker also informs us that while the price of decorative plants offered on the produce markets has not materially increased during the past five years, the demand has grown over 50 per cent. This is attributed to the fact that such stock can be seen before purchase.

THE CHENEY FARM, SOUTH MANCHESTER, CONN.
Fig. 2.—House of Cucumbers and Seedling Tomatoes.

Grading and Packing.

HONESTY THE BEST POLICY.

A well-known wholesale broker in produce says that Chicago prices on market gardens stock have decreased 30 per cent in the past three years and attributes the decline to the increase of trucking greenhouses in the smaller outlying cities and also to improper grading and packing by Chicago growers. He says, for example, that in packing, Chicago growers, following the advice of commission men, have packed cucumbers with the small ones at the bottom and the best at the top of the boxes. In packing loose-leaf lettuce, sold by weight, the lettuce and boxes have been water-soaked overnight, and this is the cause of decrease in price on the Chicago product. Dixon, Ill., cucumbers have a great reputation all over the northwest, due very largely to proper grading. The Chicago growers, he claims, are usually honest and hard-

The Cheney Farm, South Manchester, Conn.

In our issue of June 13, page 1050, we called attention to the fine, well managed greenhouse plant at the Cheney Farm, South Manchester, Conn., and the accompanying illustration is of a portion of a cucumber house there. It shows the cucumber vines on the south side of the house, with dwarf Stone tomato plants in the foreground. At the date the photograph was taken, May 2, these were being put out into cold frames.

Prices of Indoor Vegetables.

The prices of indoor vegetables at leading points June 20 were as follows: New York—Tomatoes, 10 cents per pound; mushrooms, 25 cents to 75 cents per pound. Chicago—Mushrooms, 25 cents to 50 cents per pound. Cincinnati—Mushrooms, 50 cents to 60 cents per pound. Pittsburg—Cucumbers, $3.50 to $4 per box.

The prices of indoor vegetables at leading points June 27 were as follows: New York, cucumbers, $2 to $2.50 per basket; mushrooms, 12 cents to 75 cents per pound. Chicago, mushrooms, 25 cents to 50 cents per pound. Cincinnati, mushrooms, 50 cents to 60 cents per pound. Boston, cucumbers, $2.75 to $3.25 per box. Pittsburg, cucumbers, $3.50 to $4 per box.

Vegetable Plants.
Cabbage, Wakefield, Early Flat Dutch, Early All Head, Early Drumhead, and other early varieties, Surehead, Late Flat Dutch, Danish Round Head, and other late varieties, 20c per 100, $1.00 per 1000, $8.50 per 10,000.
Tomato, Stone, Favorite, Paragon, etc., at 20c per 100, $1.00 per 1000, $8.50 per 10,000; Dwarf Stone and Champion, June Pink and Early Jewell, 40c per 100, $2.00 per 1000.
Celery, White Plume, Giant Pascal, Gol. Heart, and other varieties, at 20c per 100, $1.00 per 1000, $8.50 per 10,000.
Beet, Eclipse, Crosby and Egyptian, 25c per 100, $1.25 per 1000.
Cash with order.
R. VINCENT, Jr., & SONS CO.
WHITE MARSH, MD.

FLORISTS have a splendid opportunity of raising Mushrooms by utilizing the waste space under the benches, and then utilizing the waste material of expended mushroom beds in growing flowers. Lambert's Pure Culture MUSHROOM SPAWN, the best spawn in the market, is sold by all leading seedsmen. A fresh sample brick, enough for a trial bed, together with illustrated book on "Mushroom Culture," will be mailed postpaid upon receipt of 40c in postage stamps. Address American Spawn Company, St. Paul, Minn

If You Want a Really Successful Crop of Mushrooms use only
JOHNSON'S
MUSHROOM SPAWN
NOTE THE ADDRESS
JOHNSON'S LTD.,
44 Bedford Row, LONDON, ENGLAND.

BURLINGTON, IA.—Joseph Bock will build three new houses this year, each 27x210 feet.

WHITMAN, MASS.—Mrs. S. A. Moir will continue to conduct the florist store in the Snow block, which she recently fitted up. The store here was not included in the sale that she made of her Brockton establishment.

SPRINGFIELD, O.—Another substantial impetus has been given to the park extension project which is occupying the minds of the Commercial club now. It comes in the form of a check for $75 from Geo. D. Leedle, president of the Florists' Club, as the latter organization's contribution in the plans for the Springfield Beautiful. In the pushing of the extension project a great deal of preliminary work must be done before the club can get its plans sufficiently well before the public and to present them in such a way as to convince that the system is what the city needs.

Lilium Harrisii

We offer a selected stock of the original true Harrisii for early forcing. These bulbs have been grown from the original pure Harrisii, and will be found to be splendid stock for early forcing, for which purpose Harrisii is so valuable. We have had the stock inspected, and are assured that it is almost absolutely pure and almost entirely free from disease. This is not stock picked up indiscriminately from different sources, but is grown from one stock, and will be found very superior to the ordinary Harrisii usually offered, both in regard to freedom from disease and purity, and not the late type now so often furnished.

Lilium Harrisii has been deteriorating slowly for years, and in order to get back to the true type of the original Harrisii, we have had our stock grown from the original pure stock, and it will be found very superior to the Lilium Harrisii usually offered. While the stock is A No. 1, our prices are as low as, or lower than, the prices asked for indifferent stock. We have only a limited quantity of this stock to offer, so it will be advisable to place order without delay in order to ensure securing this stock. Bulbs ready for delivery middle to last of July:

6-7 in. bulbs, 350 to the case, $6.00 per 100; $ 50.00 per 1000
7-9 in. bulbs, 200 to the case, 9.00 per 100: 80.00 per 1000
9-11 in. bulbs, 100 to the case, 18.00 per 100; 170.00 per 1000

Full case lots at thousand rates.

Freesia Refracta Alba Bermuda grown, finest selected bulbs ½-in. up, $1.00 per 100: $ 7.50 per 1000
French grown, mammoth size, ¾-in. up, $1.50 per 100; $12.00 per 1000

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

Dayton, O.

Local florists never before felt the burden of Decoration day as they did this year. Almost everybody wanted flowers and all the help efficient and inefficient which could be obtained was hired beforehand. But the trade was such that it was simply impossible to keep up with it. Now, numbers of the people who were insistent in their demands for flowers on Decoration day will not go near the graves of their relatives for another year. They merely follow the fashion. The fashion is a beautiful one, but it is too much for one or rather for a few hours of one day.

In many cases the people who buy the flowers do not trouble themselves to attend ceremonies at the cemeteries leaving it to the florists. They are expected to know where every grave is, whether it be marked with a monumental stone or not. They do know, but it takes time to learn, and this time has to be taken from their legitimate tasks.

Sometimes a purchaser thinks that he facilitates matters by throwing down a $2 bill with the remark, "Give me anything you have; almost anything will do." But flowers are flowers on Decoration day, and $2 do not look very large. The rich who have to buy flowers in quantities because fashion so decrees, cry out they are ruined by the expense, while the less well-to-do sometimes try to wheedle a bouquet for baby's grave out of the dealer on the plea of love and affection. Florists sympathize with the ills and griefs of humanity, but they cannot express their emotions in dollars and cents. They would get no gratitude if they did.

Something should be done to relieve the pressure on this day. A very practical way of relieving the situation would be to set apart a day, say about the middle of June, for the fraternal organizations. This might be called Organization day or Fraternity day. It might also with peculiar appropriateness be called Rose day or the Day of Roses. From time immemorial the rose has been the symbol of inviolable secrecy. A thing said or done "under the rose" must never be disclosed. No flower festival could therefore be more suitable for the various secret fraternal orders than one in the month of roses, dominated by the rose itself.

One of the most beautiful of the June weddings was that of Miss Ruth Magdalene Matthews, the charming daughter of Warren G. Matthews and wife, of Floral avenue, and Herbert E. Githens, a popular and well-known young business man of this city, which occurred June 24. The rooms throughout their cozy home, given to the young couple by the bride's father, were beautifully decorated for the occasion, the parlor, in which the ceremony was performed, being in white and green, with smilax gracefully arranged on every hand, while the decorations in the dining room were in pink.

Proceedings

Of the Congress of Horticulture held at the Jamestown Exposition, September 23, 1907.

Linen Bound. 108 pages. Price 25c.

This publication includes the formal adddresses and discussions of the papers read at the meeting which covered the various phases of Horticulture This meeting was pronounced by Horticultural authorities as one of the greatest Horticultural meetings ever held in a single day. For copies address

H. C. IRISH, Secretary

National Council of Horticulture, Missouri Botanical Garden, **St. Louis, Mo.**

INDIANAPOLIS, IND.—Smith & Young, formerly of this city, are now located at Cumberland, Ind.

DAVID CITY, NEB.—F. J. Ayres will build a greenhouse this season, intending to do most of his own growing hereafter.

PRINCETON, ILL.—The W. E. Trimble Greenhouse Co. will build three new houses this season, one 27x200 feet and the other two 27x100 feet each. S. Mosbæk, formerly of Onarga, is now employed by this firm.

DECORAH, IA.—The greenhouses of W. T. Symonds suffered very severely in the storm that swept over this state June 20. About 7,000 square feet of glass were broken, fortunately covered by insurance. Outdoors, the strawberry and other fruit and vegetable crops were completely ruined.

DES MOINES, IA.—Miss Clara Graham Wilson, daughter of James S. and Mrs. Wilson, late of Western Springs, Ill., will be married to Earl J. Weaver, July 20, at the home of the bride's parents, 640 Thirty-fifth street. The young couple will be at home at Bloomington, Ill., after September 1.

FISCHER'S GRAND FREESIA

PURITY.

The magnificent giant, white Freesia, when once tried, will always be grown. Write for prices. Delivery in July.

RUDOLPH FISCHER,

SANTA ANITA, CAL.

Lilium Philippensis

$2.75 per 100; $25.00 per 1000

MANGOWOOD FLORAL CO.,
MANILA, PHILIPPINE ISLANDS.

ESTABLISHED IN 1824.

Bridgeman's Seed Warehouse

RICKARDS BROS., Props.,
37 East 19th St., bet. Broadway and 4th Ave., **New York**
Telephone: 4235 Gramercy.

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,

Successors to L. K. Peacock, Inc. **ATCO, N. J.**

Western Headquarters For

Finest Cold Storage Valley Pips.

$14.00 per 1000; $1.75 per 100.
Every case guaranteed.

Fancy Cut Valley Always on Hand.

H. N. BRUNS,

1407-1411 W. Madison St. CHICAGO

The Nursery Trade

American Association of Nurserymen

J. W. Hill, Des Moines, Ia., President; C. M. Hobbs, Bridgeport, Ind., Vice-President; George C. Seager, Rochester, N. Y., Sec'y. Thirty-fourth annual convention to be held at Rochester, N. Y., June, 1909.

VISITED CHICAGO: C. B. Knickman, of McHutchison & Co., New York.

A SILVER spotted or mottled variety of Catalpa syringæfolia is reported from England.

ROCKLAND, MASS.—W. H. Wyman is opening up a good deal of land here for the growth of trees and shrubs.

THE recent hot sun has been very trying to newly planted trees and shrubs and, whenever possible, the hose should be kept going on the roots freely and the surface soil mulched or at least cultivated.

RUBUS DELICIOSUS has again been very showy and beautiful. It is worthy of more attention than it gets as a pretty white flowering shrub at its best before the mock oranges, or even the snowballs and lilacs.

ROSE IRISH ELEGANCE is prettily figured in a recent number of the Journal of Horticulture. An accompanying note says it is a vigorous hybrid tea, with single flowers. In the bud state the color is bronzy orange scarlet, while the open flowers contain varied apricot hues. It flowers from June until late autumn.

WE were much interested at the Peterson Nursery, Chicago, in a beautiful specimen of a Swedish ash planted some years ago by the late Mr. Peterson. It appears perfectly happy, forms a fine spreading tree with a distinct bark and fine foliage. Stock of it, it appears, is not grown, but the tree is certainly worthy of extended culture.

BRIGHAM, UTAH.—The Intermountain Nursery Co., with A. L. Patterson, president; F. T. Troxell, vice president, and E. M. Tyson, secretary and treasurer, has filed articles of incorporation with the secretary of state. The company is capitalized at $100,000, divided into $1 shares, and will conduct a general nursery business in Boxelder county.

TREE SURGEONS are mostly tree butchers, and the owners of trees should be warned against them generally. We would prefer the advice of a reputable, practical nurseryman on all tree and shrub matters to that of the landscape architect, landscape engineer, tree surgeon or plant doctor who chops down splendid tracts of sylvan beauty to enable him to book an order for unsuitable and costly nursery stock, supplying same from his own nursery or that of a confederate.

Taxation of Nursery Stock.

At a recent meeting of the American Association of Nurserymen it was stated that the comptroller of Tennessee in a recent decision, held that nursery stock, like other growing crops, is not taxable and his decision was upheld by the supreme court. In Georgia it is claimed that the same condition prevails.

In Nebraska nursery stock, growing or otherwise, is taxed by state law.

Hydrangea Paniculata Grandiflora.

The illustration herewith shows a plant of Hydrangea paniculata grandiflora in standard or tree form showing the way it is grown by the Jackson & Perkins Co., Newark, N. Y.

American Ass'n of Park Superintendents.

PRELIMINARY CONVENTION PROGRAMME.

The American Association of Park Superintendents will hold its annual convention in Minneapolis, Minn., August 11-13, and the park board of the convention city has appointed a special committee of five members and the superintendent to work out an interesting programme and provide for the welfare and entertainment of its visitors.

Hydrangea Paniculata Grandiflora.

The association has never met further west than Buffalo, and Minneapolis will spare no pains to justify its claim as the ideal convention city of the great northwest. As a park city Minneapolis stands second to none in the country, and while its system of parks and parkways is far from completion and perfection as compared with the systems of the older cities of the east, the possibilities offered by its present park possessions and through contemplated extensions will convince every visitor that Minneapolis will have one of the grandest systems of parks, parkways and boulevards in the country. The many fine lakes, the grand drives along the wooded banks of the Mississippi river and Minnehaha falls and creek, the many parkways through the residential parts of the city and the many smaller parks, must of necessity attract and gratify every visitor interested in park work and development. The following preliminary programme has been prepared and will, in the main, be carried out. The headquarters will be at the West hotel, Hennepin avenue and Fifth street. Rates, $1.50 up.

FIRST DAY, TUESDAY.

Opening of session, 9:30 a. m., park commissioners' office, city hall, Third avenue and Fifth street. Address of welcome by Mayor James C. Haynes and Hon. Jesse E. Northrup, president of the board of park commissioners. Response by J. F. Cowell, president of the American Association of Park Superintendents. Business meeting. Adjournment at 12 noon.

Automobile ride, 12:15 p. m., to Minikahda club, Lake Calhoun, by way of Park avenue, to Powderhorn lake park and Lake street. Luncheon at clubhouse, 12:45 p. m. Reading of essays and discussions at the clubhouse, 2 p. m. (An interesting programme for this session is being prepared, and the names of the essayists and the subjects of the essays will be sent out with the final programme some time in July. The Minikahda clubhouse grounds offer a splendid view over Lake Calhoun, Lake of the Isles and the city, and it is an ideal meeting place for the discussion of park matters and landscape study.) Adjournment, 5 p. m. Return to headquarters. Start from hotel, 7 p. m., by trolley car for Lake Harriet. Concert and sail on lake.

SECOND DAY, WEDNESDAY.

A 35-mile automobile trip around the park system, starting from headquarters at 9 a. m. Farview park, Glenwood park, Loring park, Kenwood parkway, Lake of the Isles (inspect orange peel, dipper and hydraulic dredges at work), Lake Calhoun, Lake Harriet, Lyndale, Farmstead (greenhouses and administration plant), Minnehaha parkway, Fort Snelling and Minnehaha park. Luncheon at Minnehaha pavilion, 12:30 p. m. Photo taken at foot of Minnehaha falls. Stroll through glen and park, 1:30 p. m. Continue automobile ride at 2:30 p. m., to River road west, Riverside park, Franklin avenue bridge, River road east, university, Van Cleve park, Columbia park, Logan park, and arrive at headquarters at 5:30 p. m. Banquet at 8 p. m.

THIRD DAY, THURSDAY.

A trip to Minnesota's finest lake—beautiful Lake Minnetonka—at 9 a. m., by special cars from front of West hotel headquarters. Arrive at Excelsior, 10 a. m. Special boat for two hours' sail around Lake Minnetonka. Luncheon at Big Island or Tonka hotel at 12:30 p. m. Rest awhile. Final business session, 3 p. m. Steamer to Excelsior, 4 p. m. Special cars for return trip, 4:30 p. m. Arrival at headquarters, 5:30 p. m.

Lake Minnetonka, with its water area of 30 square miles, its 110 miles of wooded and open shores and background of rolling land, its numberless bays, narrows and islands, is the most picturesque of the thousands of named lakes in the state of Minnesota. It is one great park, attractive and fascinating from every point of view. To visit Minneapolis without seeing Lake Minnetonka cannot be permitted.

The park board and different organizations of the convention city will act as hosts of the society, providing for the entire entertainment herein outlined. The morning trains from all directions arrive between 8 and 9, and the evening trains leave between 8 and 9, so that it will be possible for all members coming to the convention to attend the programme from beginning to end. The West hotel, selected as headquarters, is a first-class hotel with ample accommodations. It is centrally located, within

10 blocks of all the railroad stations and five minutes' walk from the city hall.

It was originally intended to make this convention a Twin City affair, but the St. Paul authorities withdrew from participation, and may extend a separate invitation to visit their park system. For that purpose the fourth day of the originally mapped out four-day meeting would be available. The officers of the A. A. P. S. and the Minneapolis people are in hopes that this convention will be well attended, and the fact that the convention city is about half way between the two coasts should be an inducement to all park superintendents and other officers of park administration to meet for deliberation, study and advancement of park development and maintenance in all its many branches and needs. We want the easterners to come and see the possibilities of the northwest, and we want the westerners to meet the easterners, join the association and help along the good work mapped out by our national association. Therefore get ready for Minneapolis, the city that "makes good."

Desirable Fruits for South Dakota.

Geo. H. Whiting of Yankton, in his address under the above title, delivered at the nurserymen's convention at Milwaukee, Wis., June 10-12, said in part:

Fruit growing in South Dakota is not all sunshine. Changes of temperature are sudden and severe. We are also subject to extreme dry spells and extreme wet ones. Our soil is very deep and rich, our trees make a very rapid and often a very heavy growth, so that they are not in the best condition to endure the severe winters when they come. The winds sweep almost unchecked from one end of the state to the other, giving us one day the temperature and air from the hot plains of Texas and within 48 hours thereafter the chilly blasts of Manitoba. It is true that we have already numerous small belts of comparatively small trees that are having some effect on the climate. I can see quite a marked change in the climate and aridity of the atmosphere in the 29 years that I have lived in Dakota, but this is a mere nothing to what I hope the next 29 years will bring forth. The good work of tree planting for shelter belts has just begun in the west, and I predict that the next 25 to 30 years will witness great changes in our climatic conditions, and I believe that the present and near future work of our nurserymen should be largely the production of the class of trees suitable for shelter belts and forests and the encouragement of planting the same by our farmers.

For the present we must confine ourselves to certain hardy classes and varieties of fruit trees. It does not pay us to grow the peach, the pear or even the foreign plum or the sweet cherries, and this year we feel as though we are not in it at all on any of the tree fruits. With an extremely warm April, with the mercury up to 94° in the shade, and then going down to 20° early in May, after our fruit trees were in full bloom and many of them in full leaf, our trees looked rather tired, and I can assure you our fruit growers felt just a little tired, too.

We do, though, in ordinary seasons, grow quite successfully apples, native plums, sour cherry, compass and sand cherry and such small fruits as strawberries, currants, gooseberries, red and black raspberries, dewberries, juneberries, hardy varieties of grape and, in wet seasons, some fine blackberries, also the little red buffaloberry, which makes a very delicious jelly. In apples we must confine ourselves to such ironclad varieties as Duchess, Wealthy, Patten's Greening, Hibernal, Anisem, N. W. Greening and others of like hardiness. In crabs and hybrids we have quite a list that succeed quite well. In fact, the crabs do better, I think, than they do farther south. In plums such varieties as DeSoto, Forest Garden, Wolf, Hawkeye, Cheney, Surprise, Wyant and Miner all do well. The Compass plum or cherry is also entirely at home with us. This is a hybrid supposed to be a cross between Miner plum and our native sand cherry. It is in reality more plum than cherry, but we choose to call it a cherry because we can grow it in the northern part of the state where we cannot successfully grow other cherries. In the south part of the state we grow quite successfully Early Richmond, Wragg, Ostheim, Montmorency, the Morellos and others of like hardiness. In grapes we grow Concord, Worden, Martha, Moore's Early, Janesville, Beta, etc., in the south part of the state, while in the north part of the state it is not safe to try anything except the Janesville, Beta and native wild varieties. In currants the Red and White Dutch, Victoria, North Star, White Grape, Fay's Prolific, Crandall, etc., all do well. In gooseberries we confine ourselves mostly to Houghton, Champion and Downing. Raspberries: Turner, Louden, King, Minnetonka, Ohio, Tyler, Older and Gregg are best. In blackberries we plant mostly Snyder, Stone's Hardy and Ancient Briton, and when the season is just right we sometimes get an excellent crop, but we fail more times than we succeed with blackberries. In strawberries we are very successful with the Warfield, Crescent, Bederwood, Brandywine and Senator Dunlap; the latter is everybody's berry and does well anywhere, and we sometimes think that it would be about as well if we only had this one variety, except for the sake of prolonging the season by growing early and late sorts.

Desirable Fruits for North Carolina.

J. Van Lindley of Pomono gave a list of the best and most suitable apples for various seasons, peaches for market and private use and plums for market, also Japan plums, in his paper read June 12 at the recent convention at Milwaukee. In his introduction the essayist called attention to the climatic and other conditions of the state which, in the 600 miles east to west, vary greatly. Consequently there are few kinds of fruits known to the American trade but that do well in some of the sections of the state. In the valleys the pippins, Spitzenbergs and Northern Spy flourish, and anyone interested would be well advised to obtain a copy of his list, which, we regret, owing to lack of space, we are unable to print.

BOX TREES.

Beautiful shapely plants in fine condition and in nice green tubs.

PYRAMIDAL.

	Each	Per Pr.		Each	Per Pr.
3½-ft high	$ 3.00	$ 6.00	5 -ft high	$ 7.00	$13.00
4 -ft high	4.00	7.00	6 -ft high	8.00	15.00

STANDARD OR TREE SHAPED BOX.

Full, compact, well shaped.

	Each	Per Pr.
24-inch clear stem, crown 18 to 20 inches	$ 2.50	$ 4.50
24-inch clear stem, crown 24 inches	3.50	7.00
18-inch clear stem, crown 34 inches	4.50	8.00
24-inch clear stem, crown 34 inches	6.00	10.00

Vaughan's Seed Store, 84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

Greenhouses and Nurseries: Western Springs, Ill.

Peony Surplus List
NOW OUT.
Send for one. Low prices. Fine stock.
PETERSON NURSERY,
Lincoln and Peterson Avenues, CHICAGO

ARBOR VITÆ
(Thuya Occidentalis.)
A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.
THE WM. H. MOON CO.,
Morrisville, Pa.

THE
Storrs & Harrison Co.
PAINESVILLE NURSERIES.
CATALOGUES AND PRICE LISTS FREE ON APPLICATION.....
PAINESVILLE, OHIO.

LARGE TREES.
OAKS and MAPLES.
PINES and HEMLOCKS.
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA

AZALEAS (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Coniters, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.
Jacs Smits, Ltd. NAARDEN, (Holland.)
Price list free on demand.

VIBURNUM PLICATUM
All sizes up to 4 ft., AT A BARGAIN.
—Write for prices.—
THE CONARD & JONES CO.,
WEST GROVE, PA.

BOBBINK & ATKINS,
Rutherford, N. J.,
Bay Trees, Palms, Buxus, Azalea indica, Rhododendrons, Evergreens, Herbaceous Plants, Roses, Trained Fruit Trees, Greenhouse Grape Vines. Ask for catalogue.

PEONIES. (12 ACRES.)
Buy such varieties as will keep if glut is on. For years I have furnished a big portion of the Decoration Day supply. For prices for fall delivery write
GILBERT H. WILD,
SARCOXIE, - MISSOURI.

KAISERIN 2 1-2 inch. $3.00 per 100.

Fine one-year-olds on own roots.
100 other sorts choice young plants.

Strong 2-year **ROSES** in 4-inch at 5c.

Vinca Var. 2-in. 1.50; 2½-in. $2.00 per 100.

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO

ROSES

Own Roots.

Strong, healthy stock, propagated from grafted plants. We must dispose of these at once to make room for planting.

	Per 100	Per 1000
Brides, Maids, Killarney, Richmond 3-in. pots	$ 4.00	$ 35.00
Grafted Killarney, 3-in., strong stock	12.00	100.00
Mme. Chatenay, 4-in., extra fine	5.00	45.00

S. J. REUTER & SON, Inc.,
WESTERLY, R. I.

Glen Cove, N. Y.

The Nassau County Horticultural Society held a rose show in Pembroke hall June 23, which brought together not only roses but nearly all other flowers in season. Special prizes were given by Ernest Pester, Glen Cove, a silver cup, silver medals by President Jaenicke and Chas. Bertanzal, Roslyn, besides a number of prizes offered by the society. Some things were put up for exhibition only, including a fine display of conifers from West Island, by J. F. Johnston, superintendent to Paul Dana, Esq. The exhibition committee, of which S. J. Trepess was chairman, deserves great credit. President Jaenicke and Chas. Bertanzel acted as judges to the entire satisfaction of all.

AWARDS.

Collection of roses.—(Silver cup) Geo. Wilson, gardener to Mrs. B. Stern, Glen Cove, first; Alex Lothian, gardener to E. R. Eldridge, Esq., Great Neck, second.

Collection of sweet peas.—(Silver medal) C. W. Knight, gardener to Mrs. E. R. Ladew, Glen Cove, first; S. J. Trepess, gardener to J. R. Maxwell, Esq., Glen Cove, second. Certificate of culture, Geo. Ashworth, gardener at Queen estate, Glen Cove. Honorable mention, Henry Gant, gardener to H. I. Pratt, Esq., Glen Cove.

Collection of outdoor flowers.—(Silver medal) Valentine Cleres, gardener to F. S. Smithers, Esq. Vote of thanks, Ernest Pester, Glen Cove.

Collection of rambler roses.—Certificate of merit, Henry Gant.

Vase of rambler roses.—Oscar Adder, Roslyn.

Delphiniums.—Cultural certificate, Alex Mackenzie, gardener to Percy Chubb, Esq., Glen Cove.

Lilium candidum.—Geo. Wilson.

Japanese iris.—A. Lothian.

Phlox Drummondi.—Oscar Adder.

Gloxinias.—C. W. Knight, first; V. Cleres, second.

Orchids.—A. Lothian, highly commended.

Clerodendron.—Certificate of culture, C. W. Knight.

At the close of the exhibition the members met and discussed some important matters. It has been decided to make Pembroke hall the headquarters of the society and to hold its regular meetings on the second Wednesday of each month, as formerly. J. K.

Rose Plants

From 2½-inch Pots.

	Per 100	1000		Per 100	1000
Bride	$2.50	$22.50	**Ivory**	2.50	22.50
Bridesmaid	2.50	22.50	**Sunrise**	$4.00	$35.00
Uncle John	2.50	22.50	**Kate Moulton**	4.00	35.00

Bench Plants

	Per 100	1000
Richmond	$4.00	$35.00
American Beauty	6.00	50.00

CHRYSANTHEMUMS

From 2½-in. pots. $2.50 per 100.

White—Chadwick, Timothy Eaton, Yanoma, Touset, Estelle, White Bonnaffon. **Pink**—Dr. Enguehard, **Yellow**—Bonnaffon, Col. Appleton, Yellow Eaton. **Bronze**—Black Hawk.

PETER REINBERG

51 Wabash Ave., CHICAGO.

ROSES. ROSES.

Mrs. Potter Palmer 2½- in. strong, $15.00 per 100; $125.00 per 1000; 2000 or more $115.00 per 1000. 3½-in. $18.00 per 100; $150.00 per 1000.

Cardinal 2½-inch $6.00 per 100; $55.00 per 1000. 3½-inch $8.00 per 100; $75.00 per 1000.

AMERICAN BEAUTIES.

2-in.....$5.00 per 100; $45.00 per 1000
2½-in.....$5.50 per 100; $50.00 per 1000
3-in..... 7.00 per 100; 65.00 per 1000
3½-in..... 8.00 per 100; 75.00 per 1000
4-in.....$12.00 per 100; $110.000 per 1000

Maids, Uncle John, 2½-in. strong stuff, $4.50 per 100; $40.00 per 1000.
3½-in. Maids. $6.50 per 100; $60.00 per 1000.
Benched Beauties, cut back, $6.50 per 100; $55.00 per 1000,

ASPARAGUS.

Comorensis.....3-in., $6.00 per 100; $50.00 per 1000
Plumosus 4-in., $10.00 per 100; 6-in., 20.00 per 100
Sprengeri, 2-in. $25.00 per 1000, ready July 15;

FERNS.

5-in. Amerpohli.....$25 00 per 100
2-in. ..... 8 00 per 100
Cash with order. Short time only.

SMILAX, 2-in.....$25.00 per 1000, ready July 15.
SNAPDRAGON, pink, clear colors, 2½-in., $3.00 per 100.

POEHLMANN BROS. CO., Morton Grove, Ill.

60,000 Grafted Roses

	Per 100
Chatenay, Killarney, Richmond, Liberty, La France, 3½-in. pots	$18.00
Bride, Bridesmaid, Golden Gate, Kaiserin, 3½-in. pots	15.00

OWN ROOT ROSES.

Bride, Bridesmaid, Killarney, Richmond, Chatenay,
3-inch pots, $7.00 and $9.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

SPECIALTIES.

ROSES, from 3-inch pots. **CHRYSANTHEMUMS. CARNATIONS,** for fall delivery. **SMILAX. VIOLETS.**

IN BEST VARIETIES.

Prices low. Send for list.

WOOD BROTHERS, Fishkill, N. Y.

ROSE PLANTS

On own roots. Send for list.

C. M. NIUFFER, Springfield, Ohio

NOW READY 1908 EDITION **Trade Directory.**

Chrysanthemums

FOR EVERY PURPOSE.

A partial list with prices appeared in previous issue.

ELMER D. SMITH & CO.,

Successors to Nathan Smith & Son,

ADRIAN, MICH.

100,000 Chrysanthemums

FINE, VIGOROUS STOCK.

WHITE—Byron, Ivory, Bonaffon, Jones, J. J. Mitchell, Nonin, Polly Rose, Touset. **PINK**—Maud Dean, Minnie Bailey, Dr. Enguehard. **YELLOW**—Appleton, Bonnaffon, Jones, Wedding, $2.50 per 100; $20.00 per 1000.

Golden Gate Roses, 4-in.	per 100,	$8.00
2000 Ivory Roses, 3-in.	"	5.00
2000 Kaiserin Roses, 3-in.	"	4.00
1000 Kaiserin Roses, 3½-in.	"	8.00
1000 Pink and White Cochet, 4-in.	"	8.00
500 Perles, 3-in.	"	5.00

—CASH.—

Brenneman Floral Co., Eleventh and Reilly Sts. **HARRISBURG, PA.**

ROSES. STRONG, CLEAN STOCK.

Grafted Killarney, Richmond, Brides, and Maids $12.00 per 100; $110.00 per 1000. Own-root Brides, Maids, Gates, Ivory, Perle, Killarney and Richmond $6.00 per 100; $55.00 per 1000.

All from 3½-in pots.

P. R. QUINLAN, SYRACUSE, N. Y.

JOHN E. HAINES,

BETHLEHEM, PA.,

is the place to order field plants of the following varieties: will be ready by Aug. 1:

	Per 100	1000
John E. Haines, red	$6.00	$50.00
Imperial, variegated	6.00	50.00
Pink Imperial	6.00	50.00
Enchantress, light pink	6.00	50.00

A. F. LONGREN

Rooted cuttings and plants of

CARNATIONS and CHRYSANTHEMUMS

—MY SPECIALTY—

Des Plaines, - Illinois.

AFTERGLOW

Orders now booked for field-grown plants, to be delivered in August and September.

First size.....$14.00 per 100

Second size..... 12.00 per 100

R. WITTERSTAETTER,

(Originator) Station F, CINCINNATI, O.

Rose Bugs on Grape Vines.

ED. AMERICAN FLORIST:

Kindly give me some information how to get rid of rose bugs on grape vines. They are at times so numerous that they ruin the blossoms.

SUBSCRIBER.

"Subscriber" will find it rather a difficult matter to rid his grape vines of rose bugs, as the use of different insecticides doesn't seem to check them to any extent. However, a very satisfactory way is to cover the vines with mosquito netting, which may be considered rather expensive, but if removed carefully and preserved it will last for several seasons and consequently prove to be quite a cheap and effective protection for the vines. E.

A. N. PIERSON, Inc., Cromwell Conn.

GRAFTED ROSES.—Novelties.

Mrs. Jardine, Rhea Reid, Queen Beatrice.

The above, $6.00 per doz., 50 plants for $18.00 $35.00 per 100.

MY MARYLAND, 50c each, $5.00 per doz., $35.00 per 100.

On own roots, 2½-in. pots, $20.00 per 100, 3-in. $5.00 per doz.

STANDARD VARIETIES.

Aurora, Bon Silene, Bride, Bridesmaid, Enchanter, Etoile de France, Franz Deegan, General McArthur, Hermosa, Kate Moulton, La Detroit, Maman Cochet, Marechel Niel, Rosalind Orr, English, Souv. de Wooton, Wellesley, White Cochet.

GRAFTED, 2¼-inch pots, 20c each, $2.00 per doz. $15.00 per 100. $120.00 per 1000. 3-in. pots, $18.00 per 100; $150.00 per 1000.

OWN ROOT ROSES.

Killarney, Bride, Bridesmaid, 3-in. pots, $8.00 per 100; $75.00 per 100.

MISCELLANEOUS PLANTS.

Bouvardia

large white, 2¼-in. pots, $4.00 per 100. $35.00 per 1000.

Asparagus Plumosus Nanus Seedlings.

From flats, $10.00 per 1000

Begonia Gloire de Lorraine

strong, young plants, 2¼-in. pots. $15.00 per 100.

CHRYSANTHEMUMS.

Ready for Shipment.

STANDARD VARIETIES

WHITE—Early: Geo S. Kalb, Polly Rose, Early Snow, October Frost. Mid-Season: Clementine Touset, White Shaw, Mrs. H. Robinson, Beatrice May, Alice Byron, Eureka, Miss Minnie Wanamaker, Adelia, Late: Mrs. McArthur, Timothy Eaton, Merry Christmas.

PINK—Early: Glory of the Pacific, Rosiere, Mid-Season: J. K. Shaw, Adela, William H. Duckham, Dr. Enguehard, Morton F. Plant. Late: Maud Dean, The Harriott, Mayor Weaver, Mrs. James Marshall.

YELLOW—Early: Monrovia. Mid-Season: G. Pitcher, Col. D. Appleton. Late: Major Bonnaffon, H. W. Reiman.

RED—Cullingfordi, Matchless.

BRONZE YELLOW—Mrs. William Duckham, Old Gold.

POMPONS—Baby (Yellow), Lulu (White).

From 2¼-in. pots, 5c each, 50c per dozen, $3.00. per 100, $25.00 per 1000.

KILLARNEY.

2½-in., grafted on briar	10 00 per 100
2½-in., grafted on manetti	12.00 per 100

KAISERIN.

2½-in., very fine plants.....$4.50 per 100; $40.00 per 1000

AM. BEAUTIES.

2½-in., fine young plants.....$50.00 per 1000

BASSETT & WASHBURN,

Greenhouses: HINSDALE, ILL. **Store: 76 Wabash Ave., CHICAGO.**

Grafted Roses for Forcing

BRIDE, KAISERIN, RICHMOND, BRIDESMAID, KILLARNEY, WELLESLEY } $10.00 per 100 $100.00 per 1000

JACKSON & PERKINS CO.

Wholesale Florists and Nurserymen. Newark, Wayne Co., N. Y.

ANDREW CARNEGIE

(SCARLET HARLOWARDEN)

Field-grown plants for Fall delivery, $12.00 per 100; $100.00 per 1000.

Send for list of other varieties we will have ready for August 15th delivery.

Chicago Carnation Co., A. T. PYFER, Mgr., **Joliet, Ill.**

ROSES

A SPECIALTY.

The Dingee & Conard Co.,

WEST GROVE, PA.

Grafted Roses.

BRIDES, MAIDS, KILLARNEY

4-inch $20.00 per 100.

Own Root Brides, Maids, Richmonds,

4-inch $7.00 per 100.

CHAS. H. TOTTY, Madison, N. J.

Now is the time to place your orders for

Begonia Gloire de Lorraine, Cyclamen and Poinsettias.

I am well equipped to supply the above in any quantity at the following prices:

Begonia Gloire de Lorraine, 2½ in. pots (leaf cuttings), **$15** per 100; **$140** per 1000.

Cyclamen, per 100. 2½ in., **$5**; 3 in., **$7**; 4 in., **$15**; 5 in., **$20.**

Poinsettias, 2½ in., **$5** per 100; **$45** per 1000.

Satisfaction guaranteed.

S. S. SKIDELSKY

1741 N. 18th St., Philadelphia, Pa.

STILL HAVE

Nice 3-in. **Bridesmaids, Brides** and **Richmonds.**

Fancy **Smilax,** in 2½-in.. at $2.50 per 100.

Extra fine **Cannas,** at $5 00 per 100.

Still a nice lot of red and yellow **Coleus,** to close out at $2.50 per 100 or $15.00 per 1000.

Specially nice **Ferns,** in 4-, 5- and 6-in., Piersoni, Elegantissima, Amerpohli and Whitmani.

If you want the best bargains in **Boston Ferns** you ever bought, order quick of our 4, 5, 6 and 7 in. stock. This is all ready for a shift, and we are going at it next week. Be sure and get your order in promptly.

GEO. A. KUHL,

PEKIN, ILLINOIS.

100,000 Smilax

Extra fine well hardened stock a bargain at $1.50 per 100; $15.00 per 1000

25 000 Sprengeri from rose pots at $1.50 per 100; $15.00 per 1000.

Deflexus, small $3.50 per 100; 4-inch at $7.00 per 100.

GERANIUMS, orders booked for rooted cuttings fall delivery Nutt, Buchner and Perkins at $10.00 per 1000; Ricard, Poitevine, Castellane and Viaud at $12.50 per 1000.

ALBERT M. HERR,

LANCASTER, - PA.

European Horticulture.

FROM THE BRITISH TRADE PAPERS.

ARSENIC IN WEEDKILLERS.—At a meeting of the Botanical Society of Edinburgh J. Rutherford Hill made a statement regarding the use of arsenic in weedkillers in which it appeared that long after the rains had washed away the other chemical constituents the arsenic remained in dangerous quantities and had resulted in the death of fowls though its effect as a weedkiller was gone, the walks being covered with a vigorous growth of weeds. The indications were that caustic soda, common salt and other chemicals killed weeds but that it would be no loss to horticulture and a distinct gain to the community if the use of arsenic was prohibited by legislation. He mentioned the fact that in France, animals pastured under olive trees treated with arsenical preparations had died from the effect of the poison.

DIMORPHOTHECA AURANTIACA.—One of the most interesting of novelties exhibited at the Temple show was one recently introduced by Barr & Sons, from Namaqualand, belonging to the compositæ. It is a half-hardy annual, and requires the same culture as other half-hardy annuals, viz., sown in gentle heat in March or April, or outdoors during May and early June, in a sunny position. The dazzling apricot-orange flowers of Dimorphotheca aurantiaca, with glossy surface and black central disc, are very pleasing.

LOOK OUT!

I Sting! Prices Down!

ROOM! ROOM!!

We Need Room.

LOOK! LOOK! LOOK!

In order to place our big importation of **Palms, Araucarias,** etc., we are slaughtering prices of **Bedding Plants** down to an almost shameful condition of affairs,

Just think? The best variety of **Scarlet Sage,** Clara Bedman or Bonfire 4-in. pots, of which we generally never have enough at $12.00, that ugly bee above has now stung the price down to $5.00 per 100 $45.00 per 1000; no less than 100 at this price are sold in one order.

	Per 100
Begonia Vernon and Erfordi, 4-in.	$5.00
Fuchsias, 4-in.	6.00
Cannas, French, best well-known varieties, 4-in.	5.00

Clematis, the true Jackmani, 6-in. pots, 3 feet, 35c to 40c.

Cobea Scandens, 4-in., staked up, 2 ft. high, worth $15.00, cut down to $5.00 per 100.

Don't forget that we lead the world in **Moonvines.** Watch and be careful that you don't buy Morning Glories for Moonvines, 4-in., $12.00 per 100; 2½-in., $5.00 per 100.

GERANIUMS.

S. A. Nutt, John Doyle and some pink, 4-in. pots. $7.00 per 100; and mixed varieties.

Mme. Salleroi for borders, strong plants, 2½ and 3-in., $4.00 per 100.

The following plants are cut down to $2.00 per 100, 2½-in. pots:—Marigold (Eldorado and Gold Ring, 3-in), Petunias (Inimitable and California Giant), Nasturtiums, Heliotropes, Phlox (Drummondi), Dusty Miller Lobelia (blue compacta and trailing), Summer Chrysanthemums, Sweet Alyssum (Little Gem), Ageratum (best blue, 3-in.), Verbenas, Torenia Fourneri, Kenilworth Ivy.

Victoria Asters, 2½-in. pots, separate colors, $2.00 per 100.

Now is the time to plant **Cosmos,** We have the best improved strain in three separate colors, red pink and white, three plants in one pot (3-in. pots) strong plants, raised in cold frames. Price: $5 00 per 100.

Solanum, or Jerusalem Cherries. We carry the best improved strain called the Multiflorum, always laden with big berries. Price: 2½-in. pots, $4.00 per 100.

Boston and **Scottii Ferns,** 4-in., 20c.

Whitmani Ferns, 4 in., 25c.

Kentia Belmoreana, 5¼ to 5½-in. pots, 22-25-27 in high 50c to 75c; 4-in. 20 to 22 in. high, 35c to 40c. **Forsteriana,** 5 to 5½ in., 50c to 75c. Just received per steamer Manitou, a consignment of larger **Kentia Forsteriana;** price, $1,00, $1,25, $2.00 to $2.50 each.

Araucaria Excelsa Glauca, spring of 1907 importation, suitable for the lawn and porches, only specimen plants left, 7-in pots, 6 years old, 5 tiers 25 to 30 35 to 40 in. high, same in width, $1.50, $1.75, $2.00 $2.50, $3.00 to $4.00 each.

Araucaria Excelsa Glauca, May 1908 importation, 3 tiers, 6-in. pots, $1 00 to $1.25.

Araucaria Robusta Compacta, May 1908 importation, 3 tiers 6-in. pots, beautiful plants, $1.25 to $1.50.

Araucaria Excelsa, May 1908 importation, 3 tiers, 6, 8 and 10-in. 40c; 3 to 4 tiers 5-in. pots, 5 tiers, 5½ to 6-in. pots, 10, 12, 14, 16 to 18 in. high, 50c, 60c, 75c to $1.00 each.

Bay Trees, just received, per steamer Manitou, 6 ft. high from top of tub, 30-in. crowns, $12.00 per pair.

All goods must travel at purchaser's risk only Cash with order, please.

GODFREY ASCHMANN, 1012 W. Ontario St., Philadelphia

Importer, Wholesale Grower and Shipper of Pot Plants.

Surplus List.

	Per 100
Asparagus Plumosus, 2-in.	$3 00
" " 2½-in.	4 00
" Sprengeri, 2½-in.	3 00
Ageratum, Little Blue Star	3 00
Achyranthes, 2 kinds, 2½-in	3 00
Begonia Gloire de Sceaux, 2½-in.	10 00
" Fairy Queen, 2½-in.	4 00
" Vernon, 2½-in.	4 00
Chrysanthemums. large stock; send for list.	
Coleus, John and Anna Pfister, 2-in	3 00
Castor Bean, tall bronze and dwarf green, 3-in	6 00
Cobea Scandens, 2-in.	4 00
" 4-in.	10 00
Cyclamen, Vaughan's Giant-Flowering, 3-in	6 00
Cannas, strong pot plants; send for list.	
Dahlias, strong pot plants, named, in all the best sorts, both cactus and large flowering	6 00

	Per 100
Geraniums, ivy-leaved, asst. kinds, 2½-in	$4.00
" Little Pink, Sycamore, Beaute Poitevine, Single and Dbl. White, 2½-in.	4 00
4-in	8 00
Moonvines, white, 2½-in.	4 00
Kenilworth Ivy, 2½-in.	2 00
English Ivy, 4-in., long vines	10 00
German Ivy, 2½-in., long vines.	3 00
Lobelia New Dbl. Kathleen Mallard, 3-in.	8 00
Latania Borbonica, 2½-in.	4 00
" 3-in.	7 00
Primula Obconica, 2-in	3 00
Solanum Capsicastrum, 2½-in.	4 00
Smilax, myrtle leaf, 3-in.	5 00
" large leaf, 2-in.	2 00
Sage, Holt's Mammoth, 2-in.	2 50
Santolina, 2-in.	3 00
Thunbergia, 2½-in.	3 00
Petunias, finest double sorts, 2½-in	4 00
Pelargoniums, named kinds, 4-in. pots	15 00

Vaughan's Seed Store, 84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

Greenhouses and Nurseries: Western Springs, Ill.

FOR SALE—ENTIRE STOCK.

10,000 Carnations,	200 Asp. Plumosus,	1000 Vincas, small, for stock,
5,000 'Mums,	1000 Asp. Sprengeri,	200 Boston Ferns,
1000 Stevia,	900 Calla Bulbs,	100 Palms (large).

RIVERSIDE FLORAL CO., Riverside, Ill.

For Best Results Advertisers should mail new advertisements and changes so as to reach us on Mondays.

Cycas Stems

NEW STOCK
ALL SIZES

Prices: 100 LBS. @ 8c
200 LBS. @ 7½c
500 LBS. @ 7¼c

VAUGHAN'S SEED STORE,

CHICAGO, 84-86 Randolph St. NEW YORK, 14 Barclay St.

LARGEST STOCK OF ALL

Belgian Plants

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

LOUIS VAN HOUTTE, PERE,

GHENT, BELGIUM.

Davenport, Ia.

Business is rather dull at present, but of course that is to be expected at this time of the year with all kinds of roses and other flowers outside. Better and more roses are seen around the city than for years owing perhaps chiefly to the mild winter. Several large weddings the past week have helped some, and several are billed for the next week. Rose planting is well under way, and will be completed within the next few days. Carnations in the field are looking fine—having all the rain and warmth to assure a good healthy growth.

The fourth annual strawberry feast took place at the house of Ewoldt Bros. on the evening of June 18. A good number were in attendance and all had a fine time. The evening topic was "Suitable Soils for Roses, Carnations and Chrysanthemums," the president calling on each member for his experience, which brought out some very valuable suggestions. It was decided to hold the annual picnic July 21, and the committee appointed at the June meeting will continue and make all the arrangements. It was decided to hire a boat and make a 10-mile trip down the Mississippi to Linwood park; baseball, racing, dancing, tug of war, etc., will be features of the day.

H. H. Hensly has leased the Meyer place at Fifteenth street, Rock Island, Ill., formerly run by Henry Meyer. (Another florists' paper has it that he will now have the largest establishment in the Tri-Cities. Not yet Mr. Hensly.) There are 10 places larger by a good bit.

An event will take place on the evening of June 24, that will interest a large number of florists throughout the country, the marriage of John Staack of Moline, Ill., to Miss Goenne of Davenport. The bachelor club hates to lose you John, but our best wishes are yours.

A 5-10-cent store here had a sale on ferns the other day, selling 5-inch plants at 10 cents. These same plants would sell at a flower store at 50 cents and would be cheap at that.

Adolph Arp has sold his interests in the Davenport Nursery Co. to Miss Waltman, and will devote his time to landscape gardening.

— Fortman, of Behring and Fortman, has sold his interests to Henry Behring and will retire from the florists' business.

It is reported that Henry Behring is to fall a victim of leap year in the near future. Don't surrender too easy Henry.

T. E.

Assorted Ferns for Fern Dishes

$3 00 per 100.

Adiantum Cuneatum, 4-in.........$ 1.50 per doz.

FICUS ELASTICA.

4-inch..............................$3.00 per dozen
5-inch.............................. 4 20 per dozen
6-inch.............................. 6.00 per dozen

KENTIAS

	Pots	Leaves	Hght.	each	doz.
Kentia Forst.	5-in.	4-5	20-24-in.	$ .75	$ 9.00
"	6-in.	4-5	24-28-in.	1 00	12 00
"	6-in.	4-5	24-30-in.	1,25	15 00
"	7-in.	5-6	24-36-in.	2 50	30 00
"	8-in.	5-6	36-40-in	3 00	36 00
"	9-in.	6-7	48-54-in.	5 00	60 00
Made-up Kentia 3 in a pot			....	5,00	60.00
Kentia Bel.	5-in.	5-6	18-20-in.	.75	9.00
"	6-in.	4-5	20-22-in.	1.00	12 00
"	6-in.	5-6	20-24-in.	1 50	18 00
"	7-in.	5-6	24-26-in.	1 75	21.00
"	7-in.	6-7	24-28-in.	2 50	30 00
"	8-in.	6-7	30-36-in.	4 00	48.00
"	9-in.	6-8	36-48-in.	6.00	72.00

Phoenix Canariensis

Fine for vases or out-door decoration, in small tubs, $2.50 each.

Cycas Revoluta.

4-inch..............................25 cents each
5-inch..............................35 cents each
6-inch.............................. 50 cents each
7-inch.............................. 75c to $1.00 each
8-inch..............................$1.25 to $1.50 each

If we do not confine ourselves to the exact size of pot specified, we shall see that stock of good value for the money is sent on every order.

ARAUCARIAS.

We have a special fine lot of Araucarias—the plants at $1.00 each are extra value for the money.

4-inch..............................35 cents each
5-inch..............................75 cents each
6-inch..............................$1,00 each

Bride Roses

From 3 in. pots, good strong stuff for planting.............................. $3 00 per 100

THE GEO. WITTBOLD CO., 1657 Buckingham Place, CHICAGO.

PALMS Home Grown.

COCOS WEDDELLIANA.

	Each	Doz.
2½-in. pot, 8 to 10 in. high........	.10	
2½-in. pot, 10 to 12 in. high........	.15	

KENTIA BELMOREANA.

	Each	Doz.
6-in. pot, 6 to 7 leaves, 22 to 24 in..	1.00	12.00
6-in. pot, 6 to 7 leaves, 24 to 26 in..	1.25	15.00

KENTIA BELMOREANA.

	Each	Doz.
6 in. pot, 6 to 7 leaves, 26 to 28 in..	1.50	18.00
6 in. pot, 6 to 7 leaves, 30 to 36 in..	2.00	24.00
7-in. pot, 6 to 7 leaves, 32 to 34 in., heavy........	2.50	30.00

Full line of Kentias, (all sizes), ready n July.

JOSEPH HEACOCK COMPANY, Wyncote, Pa.

FERNS and ASPARAGUS.

	Per 100
2¼-in. Boston and Piersoni, extra strong.......	$3.50
3 -in. " " " "	7.00
4 -in. " " " "	12.50
5 -in. " " " "	25.00
6 -in. " " " "	50.00
2¼-in. Scottii and Elegantissima, extra strong........	4.00
3-in. Scottii and Elegantissima, extra strong........	$ 8.00
2¼-in. Asparagus Plumosus extra strong......	3.00
2¼-in. " Sprengeri, " "	2.25
3 -in. " " " "	5.00
4 -in. " " " "	8.00
3 -in. Whitmani........	12.50

THE MOSBAEK GREENHOUSE CO., Onarga, Ill.

Boston and Piersoni Ferns.

2½-inch..................$ 3.00 per 100
3-inch.................. 6.00 per 100
4-inch.................. 10.00 per 100
6-inch.................. .40 each.

Thomas Salveson, Petersburg, Ill.

Neph. Whitmani

2¼-inch..................$ 5.00 per 100
3½-inch.................. 25.00 per 100

Boston Ferns 2¼-inch, $3.00 per 100.

Henry H. Barrows & Son, WHITMAN, MASS.

FERNS FOR DISHES

Assorted Varieties.

From 2-in pots, $3.00 per 100; $25.00 per 1000.
Cash with order.

FRANK OECHSLIN

2570-2606 W. Adams St., Chicago.
Formerly Garfield Park Flower Co.

ROBERT CRAIG CO.

HIGH CLASS **PALMS**

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

Cannas. F Vaughan, Pennsylvania, Kate Gray, Chas. Henderson, Fair Hope, J. D. Eisele, David Harum, Pres. Vigar, Alsace, Mlle. Berat Allemania, 3-in. pots $5.00 per 100; $40.00 per 1000; strong plants, started in sand $3.00 per 100; $25.00 per 1000.

Coleus. Strong plants from 2¼-in. pots in 10 best bedding and fancy varieties $2.00 per 100; $18.00 per 1000.

Boston and Elegantissima Ferns

We still have a large stock of well grown plants, in 3- and 4-in. pots at $6.00 and $12.00 per 100.

W. W. COLES,
Kokomo, - Indiana.

Orchids!

Arrived in excellent condition: Cattleya Trianæ, C. labiata, C. Mossiæ, Oncidium varicosum, Vanda cœrulea, Dendrobium formosum and D. Dalhousianum.

Lager & Hurrell, Summit, N J

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the world.

SANDER, St. Albans, England.

NEW YORK OFFICE: Room 1, 235 Broadway. **T. MELLSTROM,** Agent.

ORCHIDS.

ARRIVED in fine condition, a fine importation of C. Trianæ, C. Labiata, C. Schroederæ, C. Gigas Sanderiana, C. Harirsoniæ, C. Citrina, Lælia Anceps, Oncidium Varicosum Rogersii, Onc. Ornithorynchum, Onc. Tigrinum, Odontoglossum, Insleayi, O. Rossii Majus.

We carry Orchid Peat, Sphagnum Moss, Baskets, etc.

CARRILLO & BALDWIN, **Secaucus, N. J.**

Negaunee, Mich.

Work on the erection of the new greenhouses for the Cleveland Cliffs Co., proprietors of the Negaunee Nursery and Greenhouses, has been started and will be pushed as rapidly as possible. The site is the vacant space south of the old Mackinaw depot, between Gold and Silver streets. Grading for the foundation and for the shrubbery gardens, which was started some weeks ago, was finished last week, and the first carload of material has arrived.

The new greenhouses were made necessary by the growth of the business within the past few years. The plot occupied by the present greenhouse has not been large enough for the additions deemed necessary. Besides the old houses are beginning to show signs of dilapidation and within a few years they would have had to be entirely rebuilt. The new greenhouses will consist of six buildings, each 21x115 feet, connected by a common passageway. The entrance will be on Gold street.

Outside of the glass the principal material used in construction will be steel. The little woodwork that will be used will be red cypress, which withstands natural decay better than other woods. The material used is made by the Foley Manufacturing Co., Chicago, which makes a specialty of greenhouse construction, and all of the steel and most of the woodwork will come ready for setting in place, so the job will take a comparatively short time. The building for the power plant and the office will be located just south of the Mackinaw depot, but a start will not be made on it until the greenhouses are completed, as there will be no urgent need for it until fall.

GERANIUMS.

OUR SPECIALTY

We are preparing to grow Geraniums on quite an extensive scale next season, and are making very interesting prices on orders booked now for delivery during the fall and winter; send us a list of what you can use and when you will be ready for them and see what we can do for you. Only plants from 2-in. pots; we do not send out rooted cuttiugs.

We have a splendid lot ready for immediate shipment from 2-in. pots, in fine shape.

Standard Sorts, at $2.00 per 100 and up. We will send 1000, 50 each of 20 varieties, our selection for $18.50; single or double, all good sorts; a splendid collection to stock up on.

	Per 100
Smilax, strong plants	$2.00
Coleus, Golden Bedder and Verschaffeltii, 2-in., $2.00; 3-in	3 00
Begonia, Vernon and Gracillis, 2-in	2.00

Newer Varieties, selected from the finest introductions of 1905-6, at $6.00 to $8.00 per 100.

Novelties, one each of 50 varieties, for $5.00. 1907 introductions of Bruant, Lemoine, Rozain-Boucharlat, Cannell and other specialists.

Hardy Chrysanthemums, $2.00 per 100; 500 in 20 varieties, our selection, for $9.00; 1000 in 20 varieties, our selection, for $17.50. Strong plants from 2-in. pots.

Visitors always welcome

Cash with order.

R. Vincent, Jr. & Sons Co., White Marsh, Md.

Primroses

	Per 100
Chinese, single fringed, Aug. 1	$ 2.00
Obconica Alba Rosea, Aug. 1	2.00
Gigantea and **Kermesina,** Aug. 1	3 00
Forbesi "Baby," Aug. 1	2.00

Asparagus

	Per 100
Plumosus, 2¼-in. pots, July 20	$ 2.00
Sprengeri, 2¼-in. pots	2.00
Seedling Petunias,	2.50
Smilax, July 10	1.25

Giant Flowering Pansy Seed, oz. $4.00; ready.

JOS. H. CUNNINGHAM, Delaware, O.

NOTICE.

	Per 100	1000
Geraniums, 3-in. pots	$3.00	$25 00
" 3½-in pots	3 50	28.00
" 4-in. pots	4.00	33.00
Coleus, 2½-in. pots	2.00	17.00
Double Petunias, 3-in. pots	$3 00	$25.00
Asparagus Plumosus, 3-in pots	5 00	
Asparagus Sprengeri, 2½-in. pots	2.50	22.00
Salvia Zurich, 3-in. pots	3.00	

PERENNIAL GARDENS CO., Toledo, Ohio.

A FEW GOOD THINGS YOU WANT.

Asparagus Sprengeri 2-in., $2.50 per 100; 3-in. $5.00 per 100. Seedlings, $1.00 per 100.
Geraniums, Nutt, Doyle Perkins Ricard, Grant La Favorite R. C., $1.25; 2-in. pots, $2.00; 3-in., $4.00 per 100; Trego Viaud, Castellane, Poitevine, Jaulin, R. C. $1.50; 2-in pots, $2.50; 3-in., $5.00 per 100. Mme. Salleroi 2-in. $3.00 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100; 3-in., $5.00 per 100.
Boston Ferns, 5-in., 30c each.
Vinca Var., 2-inch, $2.00 per 100.
Dracena Indivisa, 3 in. $5.00 per 100.
Rex Begonia, $5.00 per 100.

Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the express companies properly packed in good order.

GEO. M EMMANS, NEWTON, N. J.

ORCHIDS.

Arrived in Fine Condition: C. Mossiæ, C. Gaskelliana, C. Speciosissima and C. gigas Sanderiana. Also others in a few days.

ORDONEZ BROS, Madison, N. J.

CHICO, CALIF.—The winners of the horticultural essay contest in the Chico State Normal by F. W. Power and the Chico Nursery Co. have been announced as Miss Bertha Kennedy, first prize, and Mrs. E. K. Robbins, second. One hundred and twenty essays were written from a choice of 12 subjects, and a faculty committee passed on the papers. "Planting of Ornamental Trees and Shrubs" was the winning essay, and "Forest Preservation and National Prosperity" second.

Plants from 3-in. Pots at $3.00 per 100

Dwarf Alyssum, Ageratums, Princess Pauline, Blue Perfection, Bouvardia Humboldtii, Gazania Splendens, Cupheas, Salvia Bonfire, Rosemary, variegated Periwinkle Moschosma riparium, Swainsona alba, Euonymus radicans, Fuchsias, in bud and bloom, 4 varieties, Geraniums, best commercial varieties, Heliotrope, dark blue, Gazania splendens, Rose and Peppermint Geraniums, Moonvine, the true white large flowering.

Seedlings from Flats $1.00 per 100. Asparagus Sprengeri, Dracaena Indivisa.

Clematis, large flowering varieties, 2-year-old plants, red, purple and white, $3.00 per dozen. Clematis paniculata, 3-in. pots, $5.00 per 100.

Honeysuckle Halleana and Red Trumpet, strong plants, $1.50 per dozen, $10.00 per 100.

Ampelopsis Veitchii, 4-in. pots, 2-year-old plants, $1.50 per dozen, $10.00 per 100; 3-in. pots, $5.00 per 100.

Ivy hardy English, 4-in. pots, $1.50 per dozen $10.00 per 100.

Coleus and **Althernantheras,** 2½-in pots, $2.00 per 100.

Cash with order please.

C. EISELE, 11th and Westmoreland Sts. **PHILADELPHIA, PA.**

PLANTS, 1½c

All from 2-inch pots.

Swainsona alba, Coleus, Feverfew (dbl, white), Shasta Daisy (two kinds), Dbl. Petunia, Sweet Alyssum (single), Thunbergia, Smilax, Celestial Peppers, Geraniums (Ivy Rose, Nutt, Dbl. Grant, Gen. Grant, Buchner, Viaud, etc.), all above, 2 and 2½-in. stock, at 1½c.

Asters, separate colors, Semple's, $2.50 per 1000.

ROOTED CUTTINGS prepaid per 100: Vinca Variegata, 90c. Alternanthera, 3 kinds, 50c. Coleus, 10 kinds. Salvia, Bonfire, 90c.

Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

THE WHILLDIN POTTERY COMPANY
THE LARGEST MANUFACTURERS OF
STANDARD FLOWER POTS
PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.

DREER'S Florist Specialties.
KEYSTONE CEDAR PLANT TUBS.

	Diam.	Each.	Doz.	100.
A	11 in.	.65	7.15	55.00
B	12¼ "	.75	8.25	05.00
C	13¼ "	.85	9.35	75.00
D	14¼ "	1.00	11.00	90.00
E	15¾ "	1.25	13.75	110.00
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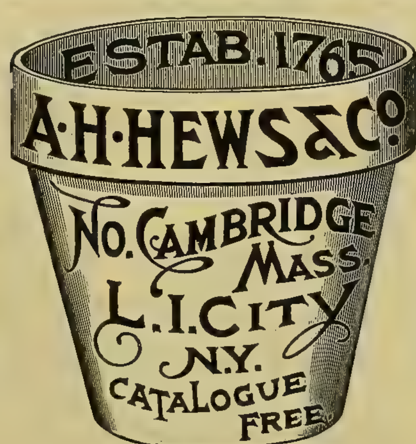

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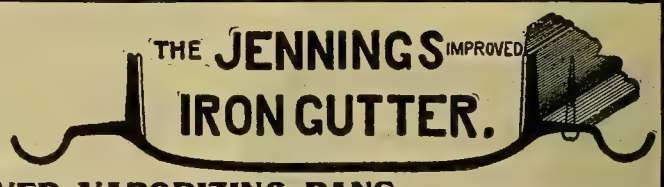

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Golden Beauty	2.00	Black Hawk	1.50
G. Wedding	2.00		

CHRYSANTHEMUM PLANTS, 2¼-INCH.

Yellow.		Pacific	2.50
Golden Beauty	3.00	White	Per 100.
Oct. Sunshine	2.50	W. Ivory	$2.50
Appleton	2.50	Beatrice May	4.00
Bonnaffon	2.50	Wanamaker	2.50
Monrovia	3.00	Snow Queen	2.50
Gen'l Hutton	2.50	Merry Xmas	2.50
Pink.		Estelle	2.50
P. Ivory	2.50	Polly Rose	2.50
Dr. Enguehardt	2.50	Oct. Frost	3.00
Mary Mann	2.50	C. Touset	2.50

WIETOR BROS., 51 Wabash Ave., Chicago.

Chrysanthemums, Byron, Ivory, White Bonnaffon, Jones, J. J. Mitchell, Nonin, Polly Rose, Touset, Maud Dean, Minnie Bailey, Dr. Enguehard, Appleton, Bonnaffon, Yellow Jones, G. Wedding, $2.50 per 100; $20 per 1,000. Brenneman Floral Co., 11th and Reilly Sts., Harrisburg, Pa.

Beatrice May only $2.50. Oct. Frost, Touset, Adelia, Nonin, Enguehard, Shaw, Monrovia, strong stock, sure to please, $2.50 per 100; cuttings, $1.50. Not more than 25 per cent B. May in any order at above rates. W. J. Olds, Union City, Pa.

Chrysanthemums, 2½-in., $2.50 per 100; Chadwick, Eaton, Yanoma, Touset, Estelle, White Bonnaffon, Dr. Enguehard, Bonnaffon, Col. Appleton, Yellow Eaton, Black Hawk. Peter Reinberg, 51 Wabash Ave., Chicago.

Chrysanthemums, hardy, $2 per 100; 500 in 20 vars., our selection, $9; 1,000, $17.50, 2-in. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Chrysanthemums, about 20 good commercial varieties, 2½-in., $2.50 per 100. West End Greenhouses, Lincoln, Ill.

Chrysanthemums, R. C. and plants. A. F. Longren, Des Plaines, Ill.

Chrysanthemums for every purpose. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, leading varieties. Vaughan's Seed Store, Chicago and New York.

If you do not find what you need in our Ready Reference Department, write us about it.

CHRYSANTHEMUMS.

Strong, healthy, well rooted cuttings of Brutus, Roserie, G. of Pacific, Cobbold, Halliday, (pink), Appleton, Parr, Ben Wells, White Ivory, A. J. Balfour, Jeannie Nonin, Roi de Italie, P. Plumridge, W. B. Chamberlain, John K. Shaw, Edgar Saunders, Dr. Enguehard, Mrs. Weeks, Robinson, Willowbrook, C. Touset, $1.50 per 100; 2-in. plants, $2 per 100. October Frost, White Jones, White Eaton cuttings, $2 per 100; pot plants, $2.50 per 100. Golden Dome, $1 per doz.; $8 per 100. James Hamilton, Mt. Washington, Maryland.

Chrysanthemums, white: Oct. Frost, Willowbrook, Ivory, Robinson, Adelia, White Bonnaffon, Wanamaker, J. Nonin. Pink: Shaw, Pink Ivory, L. Filkins, Quito, Enguehard. Yellow: Halliday, Prima, Golden Chadwick, Maj. Bonnaffon. Red: Intensity, 2 and 2½-in., good stock, $2 per 100; $18 per 1,000. The Lamborn Floral Co., Alliance, O.

Chrysanthemums, rooted cuttings: Glory of Pacific, Cremo, Estelle, Geo. S. Kalb, Maud Dean, J. Nonin, Ivory, Rosiere, Dr. Enguehard, $2 per 100; $15 per 1,000. Cash with order. Wm. Swayne, P. O. Box, 226, Kennett Square, Pa.

Chrysanthemums, R. C., 30 best com. vars., $2; 2½-in., $3 per 100; $25 per 1,000; 4-in., $5. W. E. Trimble Greenhouse Co., Princeton, Ill.

Chrysanthemums, Oct. Frost, Rosiere, 2-in., $2 per 100. Pres. Roosevelt, 2-in., $3 per 100. Krueger Bros. Co., Toledo, O.

Chrysanthemums. Riverside Flo. Co., Riverside, Ill.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

CLEMATIS.

Clematis, true Jackmani, 6-in., 3 ft., 35c to 40c. G. Aschmann, 1012 W. Ontario St., Phila.

COBEAS.

Cobea scandens, 4-in., $5 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Cobea scandens, 2-in., $4 per 100; 4-in., $10. Vaughan's Seed Store, Chicago and New York.

Cobea scandens, 4-in., $8 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

COLEUS.

Coleus, 2½-in., 10 best bedding and fancy vars., $2 per 100; $18 per 1,000. W. W. Coles, Kokomo, Ind.

Coleus, good varieties, 2½-in., $2 per 100; 3-in., $3 per 100. The Krueger Bros. Co., Toledo, O.

Coleus, Versch., and fine assorted, 2-in., strong, 2½c. Cash. L. E. Marquisee, Syracuse, N. Y.

Coleus, Golden Bedder and Verschaffeltii, 2-in., $2; 3-in., $3 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Coleus, 2½-in., $2 per 100; $17 per 1,000. Perennial Gardens Co., Toledo, O.

Coleus, 10 varieties, 2¼-in., $2 per 100. Jos. H. Cunningham, Delaware, O.

Coleus, John and Anna Pfister, 2-in., $3 per 100. Vaughan's Seed Store, Chicago and N. Y.

Coleus, 2-in., 1½c. Byer Bros., Chambersburg, Pa.

Coleus, red and yellow, $2.50 per 100; $15 per 1,000. Geo. A. Kuhl, Pekin, Ill.

Coleus. Geo. M. Emmans, Newton, N. J.

CUPHEAS.

Cupheas, 2½-in., $3 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

CYCLAMENS.

Cyclamens, 2½-in., $5; 3-in., $7; 4-in., $15; 5-in., $20 per 100. S. S. Skidelsky, 1741 N. 18th St., Philadelphia.

Cyclamen, giant flowering, 3-in., $6 per 100. Vaughan's Seed Store, Chicago and New York.

DAHLIAS.

Dahlias, pot plants, named, cactus and large flowering, $6 per 100. Vaughan's Seed Store, Chicago and New York.

Dahlias, leading varieties. David Herbert & Sons, Atco, N. J.

Dahlias, all leading sorts. James Vick's Sons, Rochester, N. Y.

The American Florist invites attention to the class of business firms in its adv. columns.

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Daisy Queen Alexandra, well flowered, 6 and 7-in., $6 to $9 per doz. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Daisies, Shasta, 2 kinds, 2-in., 1½c. Byer Bros., Chambersburg, Pa.

Daisies, English, $3 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

DRACENAS.

Dracæna indivisa, 2½-in., $4; 3-in., $5; 4-in., $8; 5-in., $20 per 100. W. E. Trimble Greenhouse Co., Princeton, Ill.

Dracæna indivisa, 3-in., $5; 4-in., $9; 5-in., $20 per 100. Mosbæk Greenhouse Co., Onargo, Ill.

Dracæna indivisa, 2-in., $3 per 100; 3-in., $5. Geo. M. Emmans, Newton, N. J.

FERNS.

Ferns, Boston and Piersoni, 2½-in., $3 per 100; 3-in., $6; 4-in., $10; 6-in., 40c each. Thos. Salveson, Petersburg, Ill.

Ferns, Whitmani, 2¼-in., $5 per 100; 3½-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Son, Whitman, Mass.

Ferns, assorted for dishes, $3 per 100. Adiantum cuneatum, 4-in., $1.50 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Ferns for dishes, assorted vars., 2-in., $3 per 100; $25 per 1,000. Frank Oechslin, 2370 W. Adams St., Chicago.

Ferns, Boston and Scottii, 4-in., 20c. Whitmani, 4-in., 25c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns. See our display advertisement for varieties and prices. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns, Boston and Elegantissima, 3 and 4-in., $6 and $12 per 100. W. W. Coles, Kokomo, Ind.

Ferns, Adiantum Farleyense, 50c to $1 each. J. A. Peterson, McHenry Ave., Westwood, Cincinnati, O.

Ferns, 4, 5 and 6-in., Piersoni, Elegantissima, Boston, Amerpohlii, Whitmani. Geo. A. Kuhl, Pekin, Ill.

Ferns, Amerpohli, 5-in., $25 per 100; 2-in., $8. Poehlmann Bros. Co., Morton Grove, Ill.

Ferns, Boston, 5-in, 30c each. Geo. M. Emmans, Newton, N. J.

Ferns, Boston. Riverside Flo. Co., Riverside, Ill.

FICUS,

Ficus elastica, 4-in., $3 per doz.; 5-in., $4.20 per doz.; 6-in., $6 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

FUCHSIAS.

Fuchsias, 4-in., $6 per 100; 2½ and 3-in., $3 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Fuchsias, in bud and bloom, 3-in., $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

GERANIUMS.

75,000 GERANIUMS. SPECIAL SALE. Here is your chance to buy the following SUPERB BEDDERS, guaranteed, A1 stock, at half price: S. A. NUTT (crimson), PETER HENDERSON (scarlet), BEAUTE POITEVINE (salmon), JEAN VIAUD (pink), MME. BUCHNER (white), strong plants from 2½-in. pots, $1.75 per 100; $15 per 1,000.
THE W. T. BUCKLEY CO., Springfield, Ill.

Geraniums, standard sorts, $2 per 100 up. Will send 1,000; 50 each of 20 varieties, our selection, $18.50, single or double. Newer vars., 1905-6 introduction, $6 to $8 per 100. Novelties, 1 each of 50 vars., $5, from 1907 introductions. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Geraniums, Nutt, Doyle, Perkins, Ricard, Grant, La Favorite, R. C., $1.25; 2-in., $2; 3-in., $4 per 100. Trego, Viaud, Castellane, Poitevine, Jaulin, R. C., $1.50; 2-in., $2.50; 3-in., $5 per 100. Geo. Emmans, Newton, N. J.

Geraniums, ivy leaved, assorted kinds, 2½-in., $4 per 100. Little Pink, Sycamore, Poitevine, single and double white, 2½-in., $4; 4-in., $8. Vaughan's Seed Store, Chicago and New York.

Geraniums, 3-in., $3 per 100; $25 per 1,000; 3½-in., $3.50 per 100; $28 per 1,000; 4-in., $4 per 100; $33 per 1,000. Perennial Gardens Co., Toledo, O.

Geraniums, 2½-in., S. A. Nutt, Hector and others, $2 per 100; $15 per 1,000. Krueger Bros. Co., Toledo, O.

Geraniums, standard varieties mixed, 2¼-in., $2.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Geraniums, ivy, rose, Nutt, dbl. Grant, Gen. Grant, Buchner, Viaud, etc., 2 and 2½-in., 1½c. Byer Bros., Chambersburg, Pa.

Geraniums, R. C., fall delivery, Nutt, Buchner and Perkins, $10 per 1,000. Ricard, Poitevine, Castellane and Viaud, $12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, S. A. Nutt, John Doyle, etc., 4-in., $7 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Geraniums, standard vars., 2½-in., $2.50 per 100. W. E. Trimble Greenhouse Co., Princeton, Ill.

Geraniums. James Vick's Sons, Rochester, N. Y.

GLADIOLI.

Gladiolus America, $6.50 per 100; $60 per 1,000. Write for prices on other stock. Cushman Gladiolus Co., Sylvania, O.

Gladiolus bulbs, $1 per 100. Geo. M. Emmans, Newton, N. J.

GLOXINIAS.

Gloxinias. L. Van Houtte, Pere, Ghent, Belgium.

GREENS.

Greens, bronze galax, $8.50 per case of 10,000; green, $7.50 case of 10,000. Dagger and fancy ferns, $1 per 1,000. Laurel festooning, boxwood, southern wild smilax, sphagnum and green moss, leucothoe sprays, etc. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, dagger and fancy ferns, $1.75 per 1,000. Bronze and green galax, $1.25 per 1,000. Leucothoe sprays, $1 per 100; $7.50 per 1,000. Sphagnum moss, per bale, $1.25. Boxwood bunches, 35c; 50 lbs., $7.50. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 53 W. 28th St., New York.

Greens, cut palmetto and cycas leaves, galax leucothoe, ferns, mosses, etc. Kervan Co., 113 W. 28th St., New York.

Greens, smilax, ferns, palm leaves, etc. John P. Scherer, Union Hill, N. J.

Greens, southern wild smilax. E. A. Beaven, Evergreen, Ala.

HARDY PERENNIALS.

Hardy pinks, asst. colors in bud and bloom, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Moonvines. 4-in., 30 to 36 ins., $12 per 100; 2½-in., $5. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Hardy perennials, field stock. W. E. Trimble Greenhouse Co., Princeton, Ill.

HELIOTROPES.

Heliotrope. Geo. M. Emmans, Newton, N. J.

HONEYSUCKLES.

Honeysuckles, Halliana and Red Trumpet, $1.50 per doz.; $10 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

HYDRANGEAS.

Hydrangea Otaksa, fine strong plants, 2-in., $3.50 per 100; 3-in., $5 per 100. George Corbett, College Hill Sta., Cincinnati, O.

Hydrangea Otaksa, in tubs, $2 to $3 each; in half barrels, $5 to $7.50. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Hydrangeas, 3-in., $10 per 100; 6 and 7-in., 50c, 75c and $1 each. Geo. A. Kuhl, Pekin, Ill.

Hydrangea Snowball, 3-yr., $5 per doz. Vaughan's Seed Store, Chicago and New York.

Hydrangeas. W. & T. Smith Co., Geneva, N. Y.

IVIES.

Ivy, Kenilworth, 2½-in., $2 per 100. English, 4-in., $10; German, 2½-in., $3. Vaughan's Seed Store, Chicago and New York.

Ivy, English, 4-in., $1.50 per doz.; $10 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Ivy, English, 4-in., 2 ft., $8 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

LILACS.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

From Storage.

Lily of the valley, pips, cold storage. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley, cold storage pips, $14 per 1,000; $1.75 per 100. H. N. Bruns, 1407-11 W. Madison St., Chicago.

LOBELIAS.

Lobelias, Kathleen Mallard, 3-in., $8 per 100. Vaughan's Seed Store, Chicago and New York.

MOSS.

Sphagnum moss, 5 barrel bale, $1.25; 2 bales, $2 25; 5 bales, $5; 10 bales, $9.50. H. R. Akers, Chatsworth, N. J.

If you do not find what you need in our Ready Reference Department, write us about it.

Sphagnum moss in burlap, or wired bales. Write for prices. Vaughan's Seed Store, Chicago and New York.

MUSHROOM SPAWN.

Mushroom spawn, Barter's Prolific, wholesale only. Write for prices. John F. Barter, Ltd., Napier Road, Wembley, England.

Mushroom spawn. Johnson's improved. Johnson's, Ltd., 44 Bedford Row, London, W. C., Eng.

Mushroom spawn. English and pure culture. Weeber & Don, 114 Chambers St., New York.

Mushroom spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

MYRTLE.

Myrtle, field-grown clumps, strong, $2 per 100; $17.50 per 1,000. Geo. A. Dhonau, Sta. H., Cincinnati, O.

NURSERY STOCK.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, trees and shrubs, price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Nursery stock, arbor vitæ (Thuya occidentalis) 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, large trees, oaks, maples, pines and hemlock. Andorra Nurseries, Chestnut Hill, Philadelphia.

Viburnum plicatum, all sizes up to 4 ft. The Conard & Jones Co., West Grove, Pa.

Nursery stock, fruit and shade trees, shrubs, evergreens. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. Storrs & Harrison, Painesville, O.

ORANGES.

Oranges, Kinkan. P. J. Berckmans Co., Augusta, Ga.

ORCHIDS.

Orchids. C. Trianæ, C. labiata, C. Schroederæ, C. gigas Sanderiana, C. Harrisoniæ, C. citrina, Lælia anceps. Oncidium varicosum Rogersii, O. ornithorhynchum, O. tigrinum, Odontoglossum Insleayi, O. Rossii majus, also orchid peat, sphagnum moss, baskets, etc. Carrillo & Baldwin, Secaucus, N. J.

Orchids, arrived in fine condition, C. Mossiæ, C. Gaskelliana, C. speciosissima and C. gigas Sanderiana. Ordonez Bros., Madison, N. J.

Orchids in superb condition. Cattleya Mossiæ, C. Schroederæ, Lælia anceps, Epidendrum vitellinum, etc. Lager & Hurrell, Summit, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England. New York office, room 1, 235 Broadway.

Orchids. Largest stock in the country. Ask for prices. Julius Roehrs Co., Rutherford, N. J.

PALMS.

Palms, Kentia Forsteriana, 5-in., 4 to 5 leaves, 20 to 24 ins., 75c each; $9 per doz.: 6-in., 4 to 5 lvs., 24 to 28 ins., $1 each; $12 per doz.: 6-in., 4 to 5 lvs., 24 to 30 ins., $1.25 each; $15 per doz.; 7-in., 5 to 6 lvs., 24 to 36 ins., $2.50 each; $30 per doz.; 8-in., 5 to 6 lvs., 36 to 40 ins., $3 each; $36 per doz.; 9-in., 6 to 7 lvs., 48 to 54 ins., $5 each; $60 per doz. Made up Kentias, 3 in a pot, $5 each; $60 per doz. Belmoreana, 5-in., 5 to 6 lvs., 18 to 20 ins., 75c each; $9 per doz.; 6-in., 4 to 5 lvs., 20 to 22 ins., $1 each; $12 per doz.; 6-in., 5 to 6 lvs., 20 to 24 ins., $1.50 each; $18 per doz.; 7-in., 5 to 6 lvs., 24 to 26 ins., $1.75 each; $21 per doz.; 7-in., 6 to 7 lvs., 24 to 28 ins., $2.50 each; $30 per doz.; 8-in., 6 to 7 lvs., 30 to 36 ins., $4 each; $48 per doz.; 9-in, 6 to 8 lvs,, 36 to 48 ins,, $6 each; $72 per doz. Phœnix Canariensis, in small tubs, $2.50 each. Cycas revoluta, 4-in., 25c each; 5-in., 35c; 6-in., 50c; 7-in., 75c and $1; 8-in., $1.25 to $1.50. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Palms, home-grown. Cocos Wedd., 2½-in., 8 to 10 ins., 10c each; 10 to 12 ins.,15c each. Kentia Bel., 6-in., 6 to 7 leaves, 22 to 24 ins., $1 each; $12 per doz.; 6-in., 6 to 7 lvs., 24 to 26 ins., $1.25 each; $18 per doz; 6-in., 6 to 7 lvs., 26 to 28 ins., $1.50 each; $18 per doz.; 6-in., 6 to 7 lvs., 30 to 36 ins., $2 each; $24 per doz.; 7-in., 6 to 7 lvs., 32 to 34 ins., $2.50 each; $30 per doz. Joseph Heacock, Wyncote, Pa.

Palms, Kentia Bel., 5¼ to 5½-in., 22, 25, 27 ins. high, 50c and 75c each; 4-in., 20 to 22 ins., 35c and 40c. Kentia Fors., 5 and 5½-in., 50c and 75c each; larger, $1 to $2.50 each. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Pheonix Can., 2½-in., 12 to 15 ins., $5 per 100. W. E. Trimble Greenhouse Co., Princeton, Ill.

Palms, large. Riverside Flo. Co., Riverside, Ill.

Palms, Latania Borb., 2½-in., $4; 3-in., $7. Vaughan's Seed Store, Chicago and New York.

Palms, high class. Robt. Craig Co., Market and 49th Sts. Philadelphia.

Palms. P. J. Berckmans Co. Augusta, Ga.

Palms. L. Van Houtte, Pere, Ghent, Belgium.

PANDANUS.

Pandanus Veitchii, specimens, $1.50 to $4 each. J. A. Peterson, McHenry Ave., Westwood, Cincinnati, O.

PELARGONIUMS.

Pelargoniums, named kinds, 4-in., $15 per 100. Vaughan's Seed Store, Chicago and N. Y.

PEONIES.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Wholesale peony list for fall 1908 is now ready. J. F. Rosenfield, West Point, Neb.

Peonies, leading varieties. Gilbert H. Wild, Sarcoxie, Mo.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies, leading vars. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunias, double sorts, 2½-in., $4 per 100. Vaughan's Seed Store, Chicago and New York.

Petunias, dbl., 2-in., 1½c. Byer Bros., Chambersburg, Pa.

Petunias, seedlings, $2.50 per 100. Jos. H. Cunningham, Delaware, O.

Petunias, dbl., 3-in., $3 per 100; $25 per 1,000. Perennial Gardens Co., Toledo, O.

POINSETTIAS.

Poinsettias, hard and soft wood, 2½-in. pots, $4 per 100. McIntyre Bros., Florists, Nashville, Tenn.

Poinsettias, 2½-in., $5 per 100; $45 per 1,000. S. S. Skidelsky, 1741 N. 18th St., Philadelphia.

Poinsettias, 3-in., $5 per 100; stock plts., $1.50 per doz. W. E. Trimble Greenhouse Co., Princeton, Ill.

Poinsettias, 3-in., $4 per 100; $35 per 1,000. Geo. Reinberg, 35 Randolph St., Chicago.

PRIMULAS.

Primroses, Chinese single fringed, $2 per 100. Obconica, alba, rosea, $2. Gigantea and Kermesina, $3. Forbesi, "Baby," $2. Jos. H. Cunningham, Delaware, O.

Primroses, Chinese fringed, mixed, 2-in., 2c. Cash. Shippensburg Floral Co., Shippensburg, Pa.

Primula obconica, 2-in., $3 per 100. Vaughan's Seed Store, Chicago and New York.

RHODODENDRONS.

Rhododendrons. Jacs Smits, Naarden, Holland.

ROSES.

Roses, grafted, Mrs. Jardine, Rhea Reid, Queen Beatrice, $6 per doz.; 50 for $18; $35 per 100. My Maryland, 50c each; $5 per doz.; $35 per 100; own root, 2½-in., $20 per 100; 3-in., $5 per doz. Standard vars.: Aurora, Bon Silene, Bride, Maid, Enchanter, Etoile de France, Franz Deegan, Gen. McArthur, Hermosa, Kate Moulton, La Detroit, M. Cochet, M. Niel, Rosalind Orr English, Wootton, Wellesley, White Cochet, grafted, 2¼-in., 20c each; $2 per doz.; $15 per 100; $120 per 1,000; 3-in., $18 per 100; $150 per 1,000. Own root roses. Killarney, Bride, Bridesmaid, 3-in., $8 per 100; $75 per 1,000. A. N. Pierson, Cromwell, Conn.

Roses, Mrs. Potter Palmer, 2½-in., $15 per 100; $125 per 1,000; 2,000 or more, $115 per 1,000; 3½-in., $18 per 100; $150 per 1,000. Cardinal, 2½-in., $6 per 100; $55 per 1,000; 3½-in., $8 per 100; $75 per 1,000. Maid, Uncle John, 2½-in., $4.50 per 100; $40 per 1,000; 3½-in., Maid, ready now, $6.50 per 100; $60 per 1,000. Benched Beauties, cut back, $6.50 per 100; $55 per 1,000. Am. Beauties, 2-in., $5 per 100; $45 per 1,000; 2½-in., $5.50 per 100; $50 per 1,000; 3-in., $7 per 100; $65 per 1,000; 3½-in., $8 per 100; $75 per 1,000; 4-in., $12 per 100; $110 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

ROSES—SURPLUS STOCK.

Maid, 2½-in.	$3.00 per 100
Maid, 3-in.	5.00 per 100
Chatenay, 3-in.	4.00 per 100
Ivory, 3-in.	4.00 per 100

G. VAN BOCHOVE & BRO., Kalamazoo, Mich.

Roses, grafted, Chatenay, Killarney, Richmond, Liberty, La France, 3½-in., $18 per 100; Bride, Maid, Golden Gate, Kaiserin, 3½-in., $15 per 100; own root roses: Bride, Maid, Killarney, Richmond, Chatenay, 3-in., $7 and $9 per 100. J. L. Dillon, Bloomsburg, Pa.

Roses. James Vick's Sons, Rochester, N. Y.

YOUNG ROSE STOCK.

	Per 100.	Per 1,000
American Beauty, 2½-in.	$5.00	$45.00
Uncle John, 2½-in.	3.00	25.00
Kate Moulton, 2-in.	3.00	25.00
Brides	$3.00	$25.00
Maids	3.00	25.00
Richmond	3.00	

WIETOR BROS., 51 Wabash Ave., Chicago.

ROSE PLANTS—Fine Stock.

	Per 100.	Per 1,000
Brides, 2½-in. pots	$3.00	$25.00
Maids, 2½-in. pots	3.00	25.00
Richmond, 2½-in. pots	3.00	25.00

SINNER BROS., 60 Wabash Ave., Chicago.

Roses, 2½-in., Bride, Maid, Uncle John, Ivory, Sunrise, Kate Moulton, $4 per 100; $35 per 1,000. Bench plants: Am. Beauty, $6 per 100; $50 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Roses, grafted Killarney, Richmond, Bride and Maid, $12 per 100; $110 per 1,000. Own roots: Bride, Maid, G. Gate, Ivory, Perle, Killarney, Richmond, $6 per 100; $55 per 1,000; all from 3½-in. P. R. Quinlan, Syracuse, N. Y.

Roses, Killarney, 2½-in., grafted on briar, $10; 2½-in., on manetti, $12. Beauties, 2½-in., $50 per 1,000. Kaiserin, 2½-in., $4.50 per 100; $40 per 1,000. Bassett & Washburn, 76 Wabash Ave., Chicago.

Roses, G. Gate, 4-in., $8 per 100. Ivory, 3-in., $5. Kaiserin, 3-in., $4; 3½-in., $8. Pink and White Cochet, 4-in., $8. Perle, 3-in., $5. Brenneman Floral Co., 11th and Reilly Sts., Harrisburg, Pa.

Roses, 500 Richmond from 3-in. pots, strong, healthy plants at $5.50 per 100; 300 Bride, 300 Maid at $3 per 100. None better. Daniel E. Gorman, Williamsport, Pa.

Roses for forcing, grafted, Bride, Maid, Kaiserin, Killarney, Richmond, Wellesley, $10 per 100; $100 per 1,000. Jackson & Perkins, Newark, N. Y.

Roses, 400 Maid, 650 Bride, 275 Chatenay, 300 Richmond, 3½-in., $5 per 100; 125 Beauties, 3½-in., for $8. Good stock. The Lamborn Floral Co., Alliance, O.

Roses, grafted, Bride, Maid, Killarney, 4-in., $20 per 100. Own root. Bride, Maid, Richmond, 4-in., $7 per 100. C. H. Totty, Madison, N. J.

Roses, own root, Bride, Maid, Killarney, Richmond, $4 per 100; $35 per 1,000. S. J. Reuter & Son, Westerly, R. I.

Roses, Kaiserin, 3-in., $4.50 per 100. Bride, Maid, Gate, Ivory, 2½-in., $2.50 per 100. Wm. B. Sands & Sons Co., Lake Roland, Md.

Roses, Bride, Maid, large and clean, $3 per 100; $25 per 1,000; 3-in., $4 per 100; $40 per 1,000. E. G. Hill Co., Richmond, Ind.

Roses, leading varieties. Leedle Floral Co., Springfield, O.

Roses, Bride, 3-in., $3 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Roses, own root. C. M. Niuffer, Springfield, O.

Roses, Kaiserin, 3-in. pots, $4.50 per 100. Wm. B. Sands & Sons Co., Lake Roland, Md.

Roses for forcing. W. & T. Smith Co., Geneva, N. Y.

Roses a specialty. The Dingee & Conard Co., West Grove, Pa.

Roses, Bridesmaid, Meteor, 3-in., $3.50 per 100. Krueger Bros. Co., Toledo, O.

Roses, Bride, Maid, Richmond, 3-in. Geo. A. Kuhl, Pekin, Ill.

Roses, 3-in., Wood Bros., Fishkill, N. Y.

SALVIAS.

Salvia Zurich in bud and bloom, 4-in., $6 per 100; 3-in., $3 per 100; 2-in., $2 per 100. The Krueger Bros. Co., Toledo, O.

Salvias, Clara Bedman or Bonfire, 4-in., $5 per 100; $45 per 1,000. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Salvias, Bonfire, 2½-in., $3; 3-in., $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Salvia Zurich, 3-in., $3 per 100. Perennial Gardens Co., Toledo, O.

Salvias, R. C., $1 per 100; $8 per 1,000. S. D. Brant, Clay Center, Kans.

SEEDS.

Seeds. Dracæna Australis, $2 per oz.; tr. pkt., $25c; Draco, 50c per oz.; tr. pkt., 25c; indivisa, $1.50 per oz.; tr. pkt., 25c. Incarvillea grandiflora, new $4.50 per oz.; tr. pkt., 50c. Lobelia Hamburgi, tr. pkt., 30c. Primula veris elatior, improved mixed, $2.50 per oz.; tr. pkt., 35c. Tritoma Express, $2 per oz.; tr. pkt., 30c. O. V. Zangen, Hoboken, N. J.

Seeds, bean, beet, cabbage, carrot, kohl rabi, leek, lettuce, onion, pea, radish, spinach, turnip, swede, aster, balsam, begonia, carnation, cineraria, gloxinia, larkspur, nasturtium, pansy, petunia, phlox, primula, scabious, stock, verbena zinnia, etc. Giant pansy, $5 per oz.; $1.50 per ¼ oz.; 75c per 1-16 oz. Henry Mette. Quedlinburg, Germany.

The American Florist invites attention to the class of business firms in its adv. columns.

If you do not find what you need in our Ready Reference Department, write us about it.

Seeds, Asparagus plumosus nanus, northern greenhouse grown, per 100 seeds, 60c; 250 seeds, $1; 1,000 seeds, $3. Vaughan's Seed Store, Chicago and New York.

Seeds, Asparagus plumosus nanus, 50c per 100; $1.75 per 500; $3 per 1,000. Sprengeri, 15c per 100; 40c per 500; 75c per 1,000. H. H. Berger & Co., 70 Warren St., N. Y.

Seeds, Tomato, the Don, Cauliflower. First and Best. Onion Ailsa Craig. Lettuce, Ideal. Migononette, N. Y. Market. Weeber & Don, 114 Chambers St., New York.

Seed, pansy, 3,000 seeds, $1; ¼ oz., $1.50; ½ oz., $2.50; oz., $5; ¼ lb., $14; ½ lb., $25; 1 lb., $50. Peter Brown, 124 Ruby St., Lancaster, Pa.

Seeds, Asparagus plumosus nanus, per 1,000 seeds, $2. Sprengeri, per 1,000 seeds, 75c. W. C. Beckert, North Side, Pittsburg, Pa.

Seeds, Asparagus robustus, $2 per 1,000 seeds. Pansy, carnation, daisy and other seeds. J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds, sweet peas. Anton C. Zvolanek, Boundbrook, N. J.

Seeds, all kinds. Bridgman's Seed Warehouse, 37 E. 19th St., New York.

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Seeds, all kinds. St. Louis Seed Co., 784-786 N. 4th St., St. Louis.

Seeds, finest strain of pansies. Fred Roemer, Quedlinburg, Germany.

Seeds, pansies, leading strains. H. E. Fiske Seed Co., 13 Faneuil Hall Sq., Boston, Mass.

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Seeds, bean, cucumber, tomato, radish, pea, muskmelon, squash, watermelon, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seeds, cabbage and cauliflower. Hjalmer Hartman & Co., Stormgade, Copenhagen; 31 Barclay St., New York.

Seeds, lettuce, onion, sweet pea, aster, cosmos, mignonette, verbena. Waldo Rohnert, Gilroy, Calif.

Seeds, growers for the wholesale trade only. Braslan Seed Grower's Co., San Jose, Calif.

Seed beans. F. L. Hogue, Carpinteria, Calif. Grower for the wholesale trade only.

Seeds, garden peas and beans. Rogers Bros., Alpena, Mich.

Seed, Puget Sound cabbage. Chas. H. Lilly & Co., Seattle, Wash.

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Smilax, myrtle leaved, 3-in., $5; large leaved, 2-in., $2 per 100. Vaughan's Seed Store, Chicago and New York.

Smilax, 2¼-in., $2 per 100; $18 per 1,000; 4-in., $4; seedlings from flats, $4 per 1,000. W. E. Trimble Greenhouse Co., Princeton, Ill.

Smilax, $1.25. Jos. H. Cunningham, Delaware, O.

Smilax, $1.50 per 100; $15 per 1,000. A. M. Herr, Lancaster, Pa.

Smilax, 2-in., $25 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Smilax, $2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Smilax, 2-in., 1½c. Byer Bros., Chambersburg, Pa.

Smilax, 2½-in., $2.50 per 100. Geo. A. Kuhl, Pekin, Ill.

Smilax. Wood Bros., Fishkill, N. Y.

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Spireas. Jacs Smits, Ltd., Naarden, Holland.

STEVIAS.

Stevias. Riverside Flo. Co., Riverside, Ill.

SWAINSONAS.

Swainsona alba, 2-in., 1½c. Byer Bros., Chambersburg, Pa.

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Vegetable plants; Cabbage; Wakefield, Early Flat Dutch, Early All Head, Early Drumhead, etc.; Surehead Late Flat Dutch, Danish Round Head, etc., 20c per 100; $1 per 1,000; 10,000, $8.50. Tomato: Stone, Favorite, Paragon, etc., 20c per 100; $1 per 1,000; $8.50 per 10,000. Dwarf Stone, Champion, June Pink and Early Jewell, 40c per 100; $2 per 1,000. Celery: White Plume, Giant Pascal, Gold Heart, etc., 20c per 100;; $1 per 1,000; $8.50 per 10,000. Beet: Eclipse, Crosby and Egyptian, 25c per 100; $1.25 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Premium Late Flat Dutch and Large Late Drumhead cabbage plants ready for field now, $1 per 1,000; 10,000 at 75c per 1,000. Virginia Nursery Co., Purcellville, Va.

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Verbenas. Geo. M. Emmans, Newton, N. J.

VIOLETS.

Violets. Wood Bros., Fishkill, N. Y.

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Vinca var., 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

Vinca, var., also green, extra heavy, 4½-in.,

Vincas. Leedle Floral Co., Springfield, O.

Vincas. Riverside Flo. Co., Riverside, Ill.

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Deamud, J. B. Co., 51 Wabash Ave., Chicago.

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McIntyre, John, 1601 Ranstead St., Philadelphia.

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McKissick, W. E., 1619-21 Ranstead St., Philadelphia.

Michigan Cut Flower Exchange, 30-40 Broadway, Detroit, Mich.

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Perkins & Nelson, 57 W. 26th St., New York.

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Pittsburg Florists' Exchange, 217-223 Diamond St., Pittsburg, Pa.

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Robinson, Henry M. & Co., 11-15 Province St., Boston.

Seligman, John, 56 W. 26th St., New York.

Sheridan, Walter F., 39 W. 28th St., New York.

Smith & Co., W. C., 1316 Pine St., St. Louis.

Traendly & Schenck, 44 W. 28th St., N. Y.

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Welch Bros., 226 Devonshire St., Boston.

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Bassett & Washburn, 76-78 Wabash, Chicago.

Benthey & Coatsworth Co., The, 35 Randolph St., Chicago.

Bruns, H. N., 1409-11 W. Madison St., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

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Muskogee Carnation Co., Muskogee, Okla.

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Reinberg, Peter, 51 Wabash Ave., Chicago.

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Weiland & Risch, 59 Wabash Ave., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

Wittbold, Geo. Co., 1657 Buckingham Pl., Chicago.

Woodrow, Samuel A., 53 W. 30th St., N. Y.

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Los Angeles, Calif.—J. W. Wolfskill, 218 W. 4th St.

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Fresh tobacco stems; 50c per 100 lbs.; $10 per ton. Scharff Bros., Van Wert, O.

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Razor steel, hand forged, postpaid. Propagagating, 50c; budding, 35c; grafting, 25c; pruning, 75c. Cat. free. Maher & Grosh Co., 91 A St., Toledo, Ohio.

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ALLIANCE, O.—The greenhouses of the Lamborn Floral Co. were badly damaged by wind in a storm June 19.

NEW CASTLE, IND.—A Greek laborer employed at a local greenhouse died of Bright's disease June 19, and his fellow countrymen fled in a body, believing his death was due to working in glass-covered houses.

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Used in water kills Worms and Caterpillars on the

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The Elm tree beetle is destroyed. The large gray and white caterpillar which defoliates Black walnut. This has been proved for over 25 years of constant service. We use a 5 lb. package to half barrel of water.

(Copy.) Connersville, Ind., June 10, 1908.

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Two years of utter neglect have given the catalpa sphynx full control of the great L. & N. plantations, and I had to watch this terrible destruction from day to day, with no apparatus to apply the remedy.

Your generous supply of Slug Shot, etc., was on hand, but nothing except a small hand spray to work with. On my own place I used this hand machine, one nozzle, and hired a large force of men to hand-pick the worms. From the first the Slug Shot killed all the worms where we used it. The two barrels of Slug Shot, 600 lbs., were soon used up, and I ordered more from the purchasing agent, at Louisville, Ky.: at any rate we are using Slug Shot with most beneficial results this season. We use about 50 lbs. per day.

The leaves have come out, and from appearances no one would imagine that these trees had been entirely defoliated only a fortnight before, looking like dead sticks.

Yours truly, JOHN P. BROWN.

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For the Garden, Orchard and Greenhouse
Non-poisonous and harmless to vegetation.
Kills Green Fly, Aphides, Bark Lice, Thrips, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

This is the Grower's Friend, handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. **$1.50 per gallon.** Also in quarts, half gallons and in bulk.

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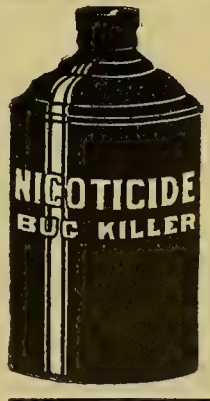

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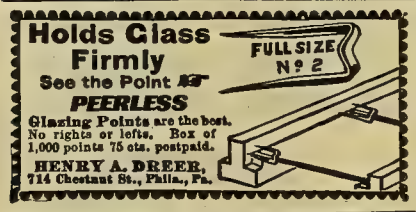
a SUISNES, Brie
Par Grisy-Suisnes. (Seine et Marne), FRANCE

DENVER, COLO.—As a special feature of the matinee of "Salomy Jane" at Elitch's, June 20, souvenirs of the finest pot plants from the Elitch greenhouse were given to each coupon holder attending the performance.

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty, Lasts longer than putty. Easy to apply.



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FROM THE FRENCH TRADE PAPERS.

ASPARAGUS BLANCHED IN TUBES.—Experiments in blanching asparagus shoots in tubes of pottery, eight inches long and about three and one-half inches in circumference are said to be successful. These tubes are slipped over the shoot as it first appears, filled lightly with fine soil, so that the asparagus reaches the top of the tube in darkness, is then cut and is found to be as finely blanched as if grown in the deep beds, with the advantage of being much earlier.

ARBOR DAY IN FRANCE.—The Touring Club of France is doing a notable work in aiding the re-foresting of France and encouraging local plantings. About $1,000 in prizes have been offered this year for work done in various districts; arbor days have been instituted in schools, and money set aside to furnish young trees in cases where the government commission is not ready to meet the demand.

THE LYONS ROSE.—A new hybrid ever-blooming tea rose of Pernet of Lyons. The flower is a superb shrimp pink at the extremity of the petals, center a coral or salmon-shaded red, toned with chrome yellow; very large, globular, very fragrant, and a vigorous grower. It is surely destined to a great success.

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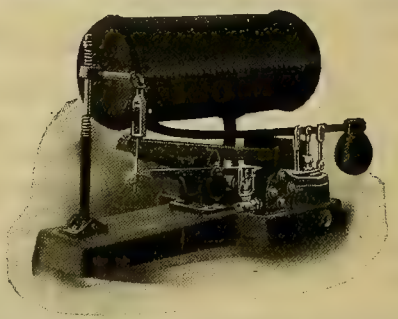

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16x18 B, " "	1.82	16x24 B, " "	1.96

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A SPECIALTY.
Window Glass, Paint, Putty, etc.
Office and Warehouse: Corner of Michigan, St. Clair and Illinois Streets, CHICAGO.

SPRAGUE, SMITH CO.
Jobbers of WINDOW GLASS.
GREENHOUSE GLASS
A SPECIALTY.
167-169 Randolph Street, CHICAGO.

STEEL RETURN TUBULAR

Steam BOILERS Water

WHAT F. R. PIERSON SAYS:

JOHNSTON HEATING CO., New York City.
Gentlemen —The internally fired steel boilers which you installed last fall are giving us great satisfaction. They heat very quickly and are very economical. We are exceedingly well pleased with them and they have more than met our expectations. Very truly yours, F. R. PIERSON CO.

Johnston Heating Co., 138 East 31st. St. NEW YORK CITY

Write for catalogue and prices.

Superior to All Others

FOR HOT WATER HEATING.

Superior Machine & Boiler Works

125 W. Superior St., CHICAGO, ILL.

Write for prices and catalogue.

Passaic, N. J.

The spring trade has been of the best. Bedding and general planting has been good, while graduation and high school exercises kept retailers busy last week, the same dates being selected by many schools. June weddings have not been as plentiful as usual. The rose growers have nearly all stopped cutting now, but so far stock of most kinds has been plentiful enough to go around. Collections are extremely bad.

M. McAllister & Co. have been busy with weddings and other decorative work including a large decoration at Hackensack.

ST. CATHERINES, ONT.—The flower show of the Horticultural Society, held at the Armory June 20, was attended by large numbers, almost 100 members of the Toronto society coming over on the morning boat for the occasion. The display of roses was probably the best ever seen in Ontario, certainly the best yet displayed in this city. Roses are almost two weeks earlier this year than last. The exhibits of strawberries and early vegetables were also very encouraging.

Here Is What The Man From Pennsylvania Thinks

Conshohocken, Pa., March 26, 1908.

Lord & Burnham Co.

Dear Sirs:

The "Burnham" Boiler I purchased from your Agent, is here to stay.

No more getting up at night. No watchman required —it takes care of itself.

I have with one coaling, kept steam for 24 hours.

I heat with this boiler a greenhouse 240 x 20 feet, and my nine-room house, with the greatest satisfaction.

I have used six boilers in my experience, but none can touch the "Burnham."

Yours truly.

WINFIELD S. HARRY.

Send for New Boiler Catalog.

LORD AND BURNHAM COMPANY

1133 Broadway, New York.

THE KROESCHELL BOILER

is the only perfect

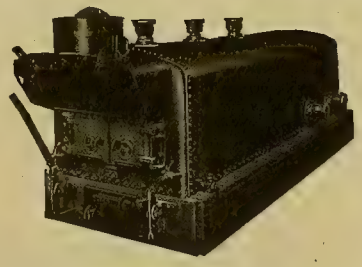
HOT WATER BOILER.

We manufacture every type of boiler in use, but our greenhouse boiler, because of its special construction, possesses many advantages over any other type.

Prices and catalogue on application.

KROESCHELL BROS. CO.

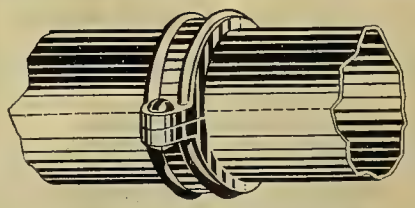
45 Erie Street, CHICAGO.



COUNCIL BLUFFS, IA.—Herman Bros. have incorporated their business under the name of Herman Bros. Co., having filed articles June 22.

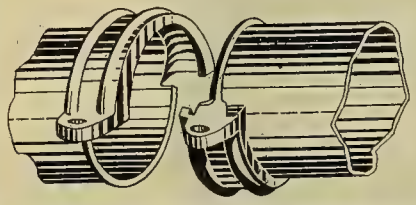
CEDAR FALLS, IA.—Joseph Bancroft & Son are building a new steel frame greenhouse just north of their present location.

Stuttle's Patent Pipe Clamp



Especially adapted for joining old boiler tubes now so generally used in hot-water heating of greenhouses. Also it is invaluable for utilizing old cast-iron pipes which otherwise would be consigned to junk pile.

Easy to put on in any position and even more easily removed.
Cheap as the cheapest joint in use and 100 per cent superior.



HENRY STUTTLE,

Inventor and Patentee.

BATAVIA, - ILL.

THE STANDARD

VENTILATING MACHINERY

The original machine with self-oiling cups. The most powerful, least complicated, very compact, with ease of operation.

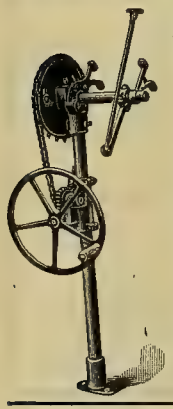
The New Duplex Gutter

Over six miles in use and highly recommended by all. The only **Drip Proof** gutter on the market.

The Standard Return Steam Trap

It has no equals for simplicity or its working. Catalogue free.

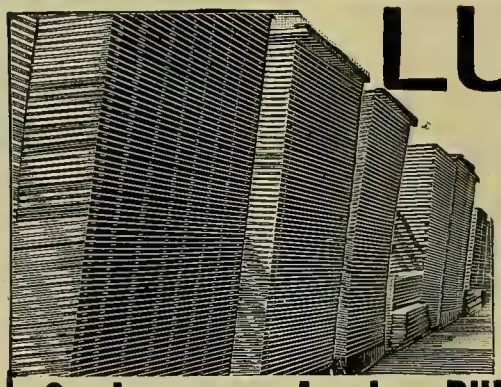
E. HIPPARD, Youngstown, Ohio.



The Advance Ventilating Apparatus

It is what our line does, the ease with which it does it, its neatness, lasting qualities, all at fair prices, that makes friends of our customers and brings us the orders. Why not give us a trial? Write us about our new pipe couplings. Best thing on the market.

THE ADVANCE CO.
RICHMOND, IND.



LUMBER

BARGAIN PRICES.

A wonderful opportunity is offered you to buy lumber and building supplies of every kind at ***Prices that will save you big money.*** Such a chance seldom occurs. Lumber for your house, church, barn, meeting house, crib, store, factory, and in fact, buildings of every kind. We can furnish absolutely everything needed in construction material. Have your carpenter or builder make a complete list of everything you require, including Lumber, Sash Doors, Nails, Roofing, Siding, Ceiling, in fact, anything you may need in building material or merchandise of any kind.

Send us your Lumber Bill for Our Estimate.

We bought at Manufacturers' Sale over 50,000,000 Feet of all kinds of Lumber and Finishing Material. We are making special concessions, to those who buy at once. Even if you have no use for this lumber at once, it will pay you to buy now. Our prices will save you 30 to 50 per cent.

We cheerfully invite inspection of our Lumber stock and will be glad to have you come to our warehouse and yards at Chicago, see the lumber we are offering, and you will recognize that it is all what we say of it; make your own selection and see it loaded. It is not necessary to come to Chicago; we can easily sell you by mail. We can quickly convince you of the wisdom of placing an order with us. Just send us your lumber bill, and we will easily ***"Show You."*** On application we will send copies of letters from customers who have bought. They saved money why can't you? Write us to-day. ***WE PURCHASED EVERY EXPOSITION, INCLUDING THE $90,000,000 ST. LOUIS WORLDS' FAIR*** ASK FOR OUR FREE 500 PAGE CATALOG, No. C. H. 47. IT QUOTES LOW PRICES ON BUILDING MATERIAL, MACHINERY AND FURNITURE.

CHICAGO HOUSE WRECKING COMPANY, 35th and Iron Sts., CHICAGO.

L. BAUMANN & CO.,

76-78 Wabash Avenue, CHICAGO.

THE GREAT CENTRAL FLORIST SUPPLY HOUSE.

Everything in Florist Supplies, such as Baskets, Chiffons, Etc., Etc

After July 1 will be at 118 E. Chicago Ave.

A sample room will be maintained at the old address.

SEND FOR OUR COMPLETE CATALOGUE.

WEIGEL & UJFALUSSY

Successors to **Emil Steffens**

Manufacturers of **Florists' Wire Designs** and **Supplies.** Established 1866.

136-138 W. 28th St. New York City.
Telephone 1922 Madison Sq.

Anything in the line of wire work and designs not listed in our catalogue will be made up promptly on short notice.

REED & KELLER,

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We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in **Glassware, Pottery, Decorative Greens and all Florists' Requisites.**

Send Your Advertisements Early.

Fredericton, N. B.

Another few days and we will consider the volume of business for the spring about closed. In some lines we were short and in others we had a surplus. We find that flower growing is declining here and I find in speaking to florists in St. John they have the same experience. Last year we had a surplus of tomato plants; this year we were short; so one cannot just gauge the demand and supply of any one article in any season. Altogether trade has been satisfactory since February or March. We have had tropical weather with the exception of a few days, for two weeks, so that crops are well advanced. We never remember in our experience of 35 years seeing better prospects for a coming harvest. Our peonies are in bloom; snowballs and other shrubs are about matured and the city looks beautiful clothed in living green. We are highly favored in not having a surplus of unemployed here as in large cities. J. B.

Everlasting Tile Benches

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Inter-Locking
Standard
Sub-Irrigating

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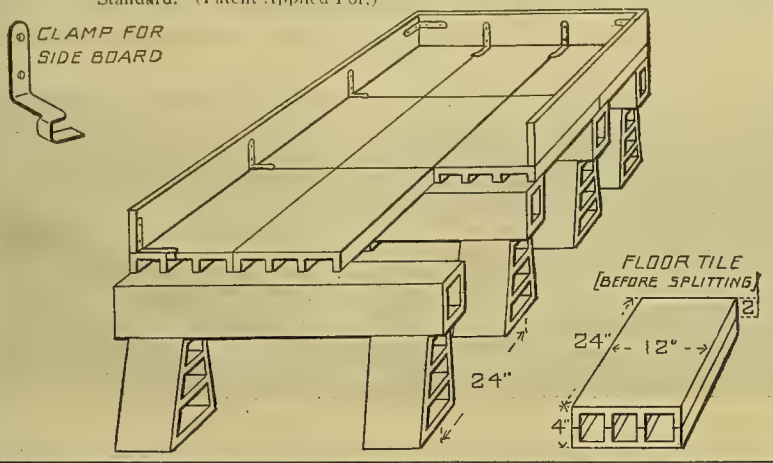
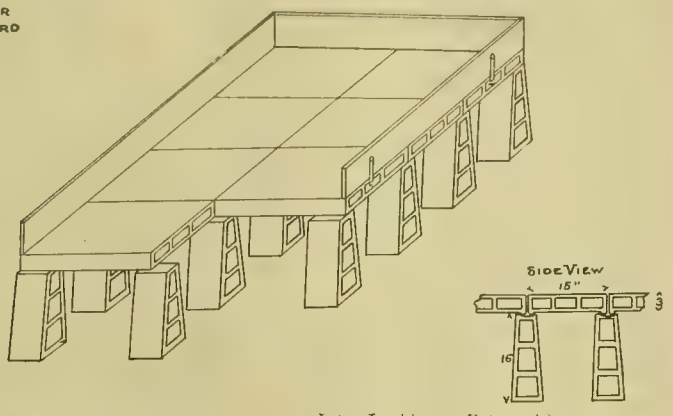
Inexpensive **Indestructible**

Standard. (Patent Applied For.)



INTER-LOCKING.



Inter Locking. (Patented.)

Write for

Full Information
Delivered Prices
List of Users

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Manufactured and Sold only by

The Camp Conduit Co.

718 Garfield Bldg. Cleveland, O.

Also Manufacturers of
Hollow Tile for Greenhouse Walls
Partition Tile for Greenhouses.
Fire Proofing and other C

Florists' Refrigerators

Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCray Refrigerator Co 760 Mill Street, KENDALLVILLE, IND.

Nashville.

HEAT AFFECTS FLOWER SUPPLY.

The increasing heat of the past few weeks has cut short the flower supply, and local florists have been obliged to depend to some extent upon shipped-in stock. The trade in funeral flowers continues very brisk. The death of Miss Mollie Lynam, a young woman well known in busines circles and very popular, has made an unusually large call, exhausting the supply for the time being. Miss Lynam was a great flower buyer herself and sent many funeral pieces. Her funeral was noticeable for the unusually number of large handsome pieces, as well as for the quantity of smaller designs. Seldom has the death of any citizen called for a more profuse floral display. Already the growers have prepared their beds and planted the winter roses. These have broken away nicely and are in good condition for the season. Both carnations and roses are short in crop; the old stock is about done. Sweet peas, which we have had in such profusion, are also through flowering.

NOTES.

Florists in this part of the country seldom indulge in an outing and were never known to have a picnic or excursion of any kind. "Don't you know a Nashville florist never takes a holiday?" said a well known grower in answer to the question. There is no florists' club or organization of any kind, and there never has been, though there are any number of growers, large and small, around the city.

M. C. D.

The Morehead Return Steam Trap

IS NO EXPERIMENT

Has Served the Florist Faithfully

For 20 Years.

Wilkinsburg, Pa., December 13th, 1907.

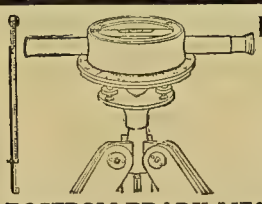
MOREHEAD MFG. CO., Detroit, Mich.:

Gentlemen:—I have waited till we would have cold enough weather to have all the lines on, and the working of the system through your trap is perfect, as it carries the steam as hot at the end of the returns as it is when it leaves the boiler after traveling more than 400 feet. I am greatly pleased that I put in your trap, and will certainly recommend it to any florist who uses steam.

Very truly yours, WM. M. TURNER.

WRITE FOR FLORISTS' BOOKLET.

MOREHEAD MFG. CO., Detroit, Mich.



Bostrom's Improved Builders' Levels and Farm Levels

For Parks, Cemetery and Landscape Gardening use, take the place of expensive Engineering Instruments. Simple in construction, easily adjusted, more substantial and less cumbersome than the more elaborate and complicated instruments. Practical, up-to-date instrument that any one can use. Write for descriptive circulars and be convinced that this Level is necessary to complete your outfit. Builders' Level $25.00. Farm Level $12.50.

BOSTROM-BRADY MFG. CO., 130 Madison Ave., ATLANTA, GA.

HAVERHILL, MASS.—W. F. Abrams reports satisfactory sales, about 10 per cent better than last year. Bedding plants have sold well and cut flowers have been scarce. There is much competition.

GREENFIELD, IND.—The annual meeting of the Indiana Horticultural Society is scheduled to be held here August 19-20. The meetings are open and a number who are not members will attend.

Louisiana Red Cypress

As described by Bassett & Washburn.

CHICAGO, Nov. 20th, 1906.

Dear Sirs:-- Replying to your favor requesting our experience with Pecky Cypress, we will say, we have been using this grade of Cypress in our greenhouses and plant benches for the last **ten or twelve years** and so far **have not found any of this wood that has all rotted out.** We formerly used Hemlock and Pine but found that 2-inch stock only lasted about four years while so far we have had no Pecky Cypress rot out in ten or twelve years. We use clear Cypress for all our roof work, ventilators, etc., and it is very satisfactory. **WE think it is the only kind of lumber for the purpose.**

IT IS THE MOST DURABLE WOOD KNOWN. Ask about it at your local lumber yard or write

LOUISIANA RED CYPRESS CO. HIBERNIA BUILDING, **New Orleans, La.**

Albany, N. Y.

TRADE EXCEPTIONALLY GOOD.

Business during the past week or two has been exceptionally good owing to the numerous social functions that have taken place in the city and vicinity. Whittle Bros. had about a week's work for the commencement at Williams' college at Williamstown, Mass. The college is an old and well established one and has numbered among its graduates President James A. Garfield and other men of note. One of the societies connected with the college during commencement week celebrated its fortieth anniversary. Fred A. Danker received an order for the table decorations on the occasion. A novel center piece supplied by him consisted of a straw hat of the style worn by the students in the college when the society was founded in 1868. The hat was filled with American Beauty roses and made a novel design. The table was also decorated with American Beauty and Adiantum Farleyense laid on the cloth. At each plate was a buttonhole bouquet of American Beauty buds. Each guest had also an engraved card showing the straw hat and with his name written upon it.

The republication ratification meeting on June 23 and the reception to graduates of the state normal college furnished Eyres with considerable work. Eyres also supplied two designs for the funeral of Hon. Grover Cleveland, formerly president of the United States. The two pieces sent to Princeton, N. J., were a large wreath of bronze galax with Cattleya Trianæ tied with cattleya ribbon and two large fronds of Cycas circinalis with a bunch of 500 lily of the valley. The wreath was contributed by Mrs. Daniel Manning, widow of a former secretary of the treasury in President Cleveland's cabinet. The cycas fronds were the contribution of Mrs. J. V. L. Pruyn, widow of a former very prominent and influential citizen.

Fred Goldring, president of the local Florists' Club, was in attendance at the dedication of the new Oddfellows' home at Stuyvesant on June 24 as one of a joint committee from the local lodges in this city appointed to act on the gala occasion. The event was a notable one in the local annals of the fraternity.

The Rosery, Maiden lane, was called upon to furnish decorations for a wedding at Central Bridge, Scoharie county. The order called for large numbers of American Beauty roses for the house decoration and eight arm bouquets of Killarney roses tied with Killarney ribbon.

The Florists' Club held its monthly meeting on Thursday of this week at Fred Goldring's establishment at Slingerlands. R. D.

SALINA, KANS.—Edward Tatro will erect new greenhouses in the near future.

They Admit More Light

Because they have wider glass, fewer and smaller framing members, and no gutter at eave.

Not only the lightest, simplest, strongest, but the most enduring houses; for attractiveness and productiveness and low cost of maintenance, unequalled.

The ideal construction for private estates, parks, public institutions and florists' showrooms

Send for Catalog.

U-BAR GREENHOUSES

PIERSON U-BAR CO.

DESIGNERS AND BUILDERS

1 MADISON AVE., NEW YORK

The Regan Printing House

LARGE RUNS OF

CATALOGUES

OUR SPECIALTY

WRITE FOR FIGURES.

83-91 Plymouth Place, CHICAGO

LORAIN, O.—Thirty acres of land have been parceled out for gardening purposes among the unemployed by the National Tube Co. Each head of a needy family has been given a half-acre plot already plowed and told to go ahead and make the best of it. The offer has been accepted cheerfully by a large number of men and gardening on a great scale has commenced.

GET OUR PRICES ON

Galvanized Wire Rose Stakes and Tying Wire

IGOE BROTHERS

Manufacturers of the Model Plant Supports for Carnations, Dahlias, Golden Glow, Peonies Chrysanthemums and Tomatoes.

63-71 Metropolitan Ave., BROOKLYN, N. Y.

Wired Toothpicks

10,000, $1.75; 50,000, $7.50. Manufactured by

W. J. COWEE, BERLIN, N. Y.

Sample free. For sale by dealers.

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXX. **CHICAGO AND NEW YORK, JULY 11, 1908.** **No. 1049**

THE AMERICAN FLORIST

TWENTY-THIRD YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—FRANK H. TRAENDLY, New York, Pres.; W. N. RUDD, Morgan Park, Ill., Secy.; H. B. BEATTY, Pittsburg, Pa., Treas. Next meeting at Niagara Falls, N. Y., August 18-21, 1908.

TRADE EXHIBITION MANAGER—Chas. H. Keitsch 210 Main St., Buffalo, N. Y.

THE NATIONAL FLOWER SHOW.

CHICAGO, November 6-15, 1908.

Wm. F. Kasting, Buffalo, N. Y., is chairman of the general committee in charge. Chairmen of sub-committees follow:

EXECUTIVE AND FINANCE—Wm. F. Kasting, Buffalo, N. Y.
AMERICAN EXHIBITS—Ph. Breitmeyer, Detroit.
FOREIGN EXHIBITS—E. G. Hill, Richmond, Ind.
PREMIUM LIST—W. N. Rudd, Morgan Park, Ill.
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LOCAL MANAGEMENT, PRIVILEGES AND CONSESSIONS—J. C. Vaughan, Chicago.
SPECIAL FEATURES—Otto G. Koenig, 6471 Florisant Ave., St. Louis, Mo.
RECEPTION—Aug. Poehlmann, Morton Grove, Ill.
AUDITING—J. A. Valentine, Denver, Colo.
TREASURER—I. C. Bertermann, Indianapolis, Ind.

The above chairmen have power to select their Various committees from the general committee of 50 or the members of the S. A. F. at large.

THE AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Annual convention at the twin cities, St Paul and Minneapolis, Minn., August 11-14, 1908. JOHN F. COWELL, Buffalo, N. Y., president: F. L. MULFORD, Harrisburg, Pa., secretary-treasurer.

What is the state flower of Delaware? S. S. T.

Peach blossom, chosen by the public school scholars.

In every flower that blooms around
Some pleasing emblem we may trace.
Young love is in the myrtle found,
And memory in the pansy's grace;
Peace in the olive branch we see,
Hope in the half-shut iris glows,
In the bright laurel, victory,
And lovely woman in the rose.

—Chazet.

SUGGESTIONS FOR CUT FLOWER GROWERS.

Herbaceous Phloxes.

Given a moderately cool soil and a moist position the hardy herbaceous phloxes need little attention beyond ordinary division every few years, but on thin, hot soils it is difficult to keep the plants growing until the stems and flowers are complete. Mulching with a couple of inches of semi-decayed manure, or even cut grass, if no manure is at command, is a great help along this line now, and a light shading, if it can be arranged, will result in flower spikes much better filled up in the center than those growing without this aid. Good whites and deep reds are the best for cutting, and those with round flowers are much superior to the older, somewhat starry forms. Plant out any young stock from cuttings and keep them growing freely as long as they will. There are often young shoots push up from the base of the old plants now, and these may be rooted if stock is short. Phloxes should be cut dry and placed in a cool room for 12 hours before shipping, and they need very careful packing.

Gardenias.

Keep up a brisk and very moist atmosphere where the young gardenias are, whether in pots or planted on benches. To be healthy, these plants must grow freely; they soon become overrun with insects if stunted in any way. Never allow the young stock to get badly pot-bound before planting, and if necessary shift them on. But they should not be shifted into very large pots, as the bench soil should not be deep and planting is not easy in this case. Keep the buds picked out on sight as they form, and keep the plants well sprayed, to keep insects in check. Healthy established plants will stand almost full exposure to the sun, but those that are not fully established and all newly planted stock must be shaded. Old plants cut hard back two months ago will now be getting well into growth again. Thin the shoots when necessary and treat them similarly to the young stock. A thin top-dressing of rich soil may be given now, and, as the benches are full of roots, see that they get plenty of water and an occasional dose of liquid manure. If scale or mealy bug puts in appearance see that it is checked at once by sponging or spraying, for no plant can be healthy or satisfactory with the drain on its resources that the presence of these and other insects entails.

Delphiniums.

Where there are beds of seedling delphiniums flowering now it is good policy to select and mark all the best and most telling colors for propagation. It is just as easy to grow good, clear, light and dark blues as it is the washed out looking colors sometimes seen, and a gradual weeding out of all the latter will result in an excellent strain of good varieties. A numbered stake may be put to the center of the clump and a record kept of the characteristics of the variety. Young seedling stock should not be allowed to flower, as this is weakening to the plants. Keep the soil around them well cultivated and clean to allow the growth to keep green as long as possible, as the more growth made this season the stronger the shoots will be in spring. It is just as well, too, to save seed from the best forms if any is saved, for although it will not always come true, good varieties are most likely to produce seedlings of good quality, and vice versa. Seed should be sown as soon as ripe and the flats in which they are grown kept under observation as they have the true herbaceous habit even in the youngest stages.

Callas.

When the California bulbs arrive they may be potted at once and stood outside in the full sun. It is not necessary to water them much, beyond the first soaking to settle the soil, until they commence to grow, when the soil will be gradually moistened as the new roots develop and occupy it. Where there are still some green plants left, lose no time in getting them outside in the full sun to get a thorough baking before being potted. Where stock is short and the bulbs are to be grown on at home save all the small pieces and corms that get broken off in handling and plant them upon a bench in some house, where they are out of the way as much as possible. The plan, still followed, of turning the plants out of the pots and laying them out in the full sun is not as good as laying the pots containing them on their sides in a

similar position to dry off a little more gradually. This treatment is weakening to the bulbs and it is important that these are kept as strong as possible. In some cases money is wasted in this way, owing to the bulbs running out before their time, though it cannot be denied that in some localities and soils these bulbs do deteriorate rapidly. In others they may be grown on for an indefinite period and improve annually, and young healthy stock is easily worked up by means of the side bulbs and offsets mentioned above.

Bouvardias.

Where the young bouvardias were planted in the open border recently they will now be getting a good hold. Any others that have to be planted should be got out as soon as possible, but any small plants that are not yet fit for planting outside may as well be kept under glass for this season. An ideal situation for these plants inside is a house that has the glass taken out of the sides and plenty of top ventilation night and day. In such a house, planted on firm soil in the benches and sprayed three times daily, the plants give very little trouble and make a strong, solid growth that later on will produce flowers in abundance. The tendency in the early part of the season to produce flowers is very marked, especially in such varieties as Davisoni, Hogarth and the beautiful doubles, Alfred Neuner (white) and President Garfield (pink). The erect growing Humboldtii and Jasminoides do not give quite so much trouble in this direction, but the old coral red Leianthe is perhaps the worst of all in this respect. In all cases the shoots must be pinched as soon as they are seen to be heading for flower and the effect of the constant pinching will be a bushy plant with plenty of shoots and also a number of stout strong shoots from the base. These vigorous shoots must be pinched when they reach about 10 or 12 inches in height to balance the plants a little, much as rose shoots are pinched in early spring. And this is all that need be said about them now. Quite cool, airy conditions and exposure to every ray of sun will produce plants like privet bushes from which a great quantity of the valuable flowers may be cut in winter. Constant spraying, pinching and feeding is also necessary for the outdoor plants.

Mignonette.

It may seem rather early to be giving instructions about mignonette, but it is better to do this in time and then anything needed and not to hand may be obtained. The first sowing may be made at the end of the month. Fill a sufficient number of 2½-inch pots to within a little of the rims very firmly with sandy soil, and stand these level on a bench. Although drainage is not absolutely necessary in these small pots, a crock in each, hollow side down, is an advantage, as it is along the line of keeping the soil sweet, a very important point in the culture of mignonette. Give the pots a thorough soaking of water so as to reach every part of the soil, and allow them to drain. Have a little fine dry soil and the seed and place about four seeds in the center of each pot, covering them with a little of the soil and giving this a tap with the bottom of another pot to level it. In a cool house, covered with mats, paper or some other material, the soil will need no more water until the seeds have germinated, when the covering should be removed at once before the little plants turn color. Early in their life they should be thinned to two in a pot and eventually to the stronger of these, one being sufficient to leave. Further notes on this important crop will appear in due course, but we would like to recommend all growers to clean their pots before filling. There are many who think the time is wasted, but it is not. The plants will turn out of them clean instead of all broken up at the balls, and such plants start much better. Washing is not always necessary. A rub with the hardened hand of the potter or with a wisp of hay or old cloth will do the business in most cases, and this little trouble is well worth while. Stand the pots perfectly level and as thick as they will go, as this renders it easier to keep them watered. New York Market is an excellent variety to grow for cutting.

A Good Early Aster.

Florists who can use an extra early aster, should try the new June flowering strain sent out this year. It is as good, if not better, than Queen of the Market and much earlier. The proper way to grow these, is to sow rather late, say April 11 and, as soon as well up, dibble out three inches apart either in cold frames or on greenhouse benches and let each plant produce one good flower. That is let them stay there and make the crop.

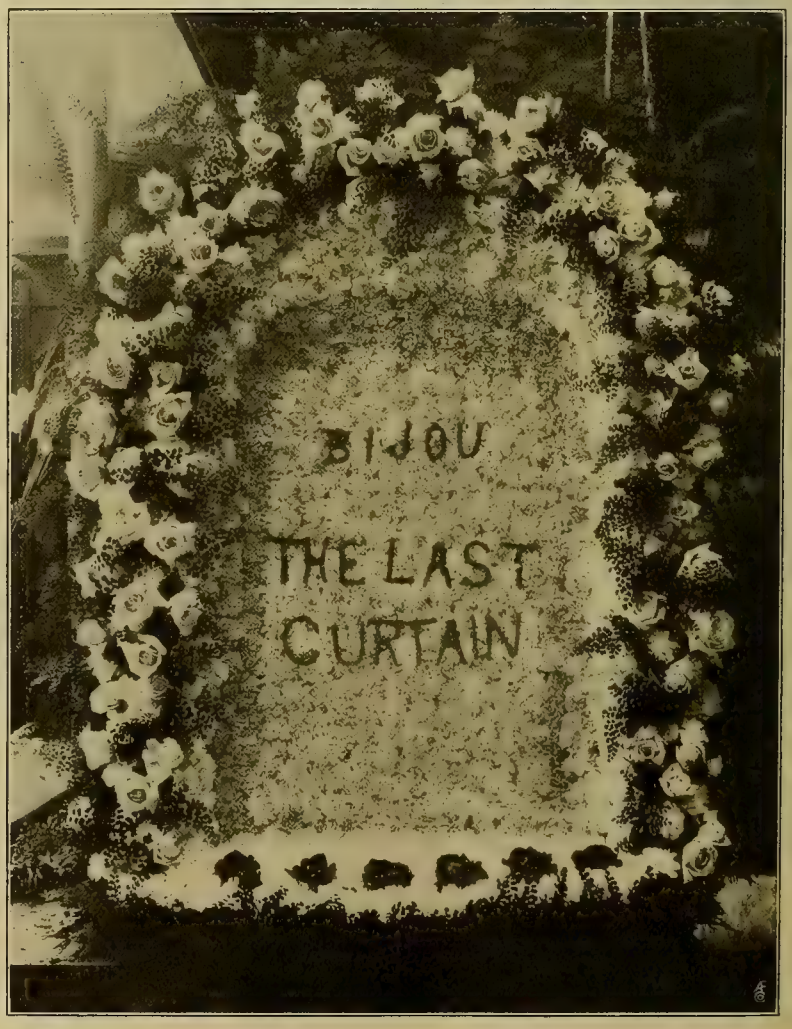
MARKETMAN.

THE RETAIL TRADE

Summer Flowers in the New York Stores.

The gladioli were about 10 days earlier this year than they were last. Though they cannot be used for all purposes, at their best they are always beautiful and interesting. If they served no other purpose they would be worthy of a place in any first class store for show window purposes, at the time when most of the other summer flowers go into a melting mood when placed in the windows. The gladioli, however, are useful for other purposes and, in the high state of perfection to which the specialists have brought them, they take a prominent place among the summer flowers mentioned in previous notes.

A few asters have appeared but they are not of the quality as yet that attracts much attention. No forecast of summer business would be complete if the asters were omitted, as they occupy about the same relative position in the work of the designer that the carnations do in winter. In the eye of the floriculturist, the aster crop is important as, in the event of its failure, there is no adequate substitute, in the season. The feverfews and candytuft are very useful, particularly to the smaller stores, and both fill a niche, but they, useful as they are, but comprise a part of that



DESIGN BY R. A. LATHAM, MINNEAPOLIS, MINN.
For Employes of the Bijou Theater.

Mrs. Walter Wright Sweet Peas and Mauve Ribbon.

Lily of the Valley With its Own Foliage.

TWO GOOD WREATHS BY W. L. HUNDERTMARK, OF M. McALLISTER & CO., PASSAIC, N. J.

great collection that is classed as minor stock.

Gypsophila is now seen in quantities in the wholesale and retail stores. While of itself it is but an illusive quantity, mixed with bright colored flowers, notably cattleyas, the effect produced is very fine. This is commended particularly to designers who use cattleyas in funeral work.

Two Good Wreaths.

The two excellent wreaths illustrated herewith are the work of W. L. Hundertmark, Passaic, N. J. The one with the ribbon bearing the word "Mother" is of mauve sweet peas Mrs. Walter Wright, the ribbon being of the same color, the letters painted on in water color rather a deeper tint, shaded with fine white lines. The other wreath is of lily of the valley used with its own foliage and a few sprays of adiantum. Both are very simple, but of excellent workmanship and very artistic.

The Water Hyacinth Again.

In the battle which has been waged against the water hyacinth which chokes up many of the rivers in the southern part of the United States, the matter has been complicated to a serious degree by the fondness which cattle exhibit for this plant. It is almost without food value, but there is something about it which attracts the animals, and they have been known to be lured to death in the efforts to secure the hyacinth.

Plant Perspiration.

A sunflower four feet high, with the usual leafage, gives off in 12 hours from 20 to 30 ounces of water in the shape of perspiration. It has been calculated that an acre of cabbage plants, 18 inches apart, gives off every 12 hours over 10 tons of water through their leaves. Most agricultural plants exhale during the period of their growth more than 200 times their dry weight in water.

HERBACEOUS PERENNIALS.

Herbaceous Perennials for Cut Flowers.

It cannot be denied that many of the finest perennials and bulbous and herbaceous plants generally, have been, in the past, considerably neglected by American growers of cut flowers. Fortunately there are signs that the lack of interest in these beautiful plants is becoming less marked. Nurserymen are finding a much better demand for the best class of herbaceous perennials than formerly; they are more frequently seen and in greater numbers in retail stores and the flowers grown are better. When we consider that the great majority of these are perfectly hardy excepting in the coldest localities and flower abundantly and well every year without the aid of expensive greenhouses and, morever, include some of the most showy and beautiful flowers in existence, it is a wonder that the average cut flower grower treats them with such scant respect and allows them, when he grows them at all, to get along as well as they can in poor soil year after year, whereas, by occasional division or by raising seedlings and giving them good fresh soil, far better results might be obtained. Only those who have given these plants proper attention know how easily they are grown and how profitable they are and it is seldom that anyone taking up their culture relinquishes it. We have in preparation a series of articles bearing on this subject the first of which appears below.

Campanulas.

A very large genus numerically, campanula includes many species not well adapted for cutting though very beautiful as garden or greenhouse plants. Probably almost every species is a perennial but, as will be noted, some of them are better raised from seed or divisions every year and treated as biennials. All the strong growing kinds do well in any good, well cultivated garden soil properly enriched with manure. On poor thin soils the plants keep alive but do not show their true beauty.

Campanula pyramidalis is one of the best in existence and, though not probably as hardy as some other species, it gets along well in many localities. Perhaps the best way to treat this, the chimney campanula, is to raise it from seed in summer, winter the plants in cold frames or plant protectors and plant the seedings out in early spring where they are to flower. Seed may be sown in May and June and the young plants soon make their appearance. Sow the seed thinly and as soon as the seedlings are in the rough leaf prick them out two inches apart to gain strength previous to placing them in their winter quarters. If possible let the bottom of the frame or protector be concreted or floored in some way that the roots cannot get down too deep. The plants will not then suffer from the transplanting in spring. Treated this way hundreds of fine plants may be raised at very little expense and trouble. In warmer localities the plants winter outside with only a little protection of leaves and litter. There are several varieties of C. pyramidalis, the best and most useful being the ordinary blue and white kinds, though some of the intermediate colors and the deeper blues than the type are good.

C. Medium (Canterbury bells) is an excellent species for cutting and possibly the most popular today of all the campanulas. The varieties of this plant are practically endless but here again the deep and light blues and the whites are the best. The flowers have a lower ring of petals standing out from the campanulate or bell-shaped center and this varies in size in the different varieties. In some it is so extended as to resemble a cup and saucer but here again good forms of the old fashioned types

are far prettier and better for the cut flower man. C. Medium may be grown exactly as described above for C. pyramidalis but the Canterbury bells are hardier than the chimney campanula. Both like a moderately light rather than a heavy soil. The plants are hardier in such soils and flower earlier. C. Medium probably comes nearer to being a true biennial than the majority of species.

C. persicæfolia is a very fine species, its beautiful, pure white flowers showing up well against the deep glossy green of the narrow foliage which, as its name implies, has a similarity to peach leaves. There is a double form of this with flowers like miniature camellias, produced on tall spikes and also a blue and a double blue form. The spikes grow about three feet high and are not so much branched as those of C. pyramidalis and C. Medium though perhaps more graceful than either and as a cut flower it is especially beautiful. It may be propagated from seed, but where there are good forms of it these are best perpetuated by dividing the plants in spring or, preferably, by striking cuttings of the young growth. Wait until the young shoots from the base are about two inches in length and root these in a cool frame or greenhouse. The resulting plants must be hardened off and eventually planted in nursery beds to gain strength. Many of them will flower more or less the first year but they will make fine stock for planting the succeeding spring. This is one of the very best perennials and should be much more grown as it would be if its good qualities were better known.

C. Carpathica is a very beautiful bellflower, especially in its white forms. It is a very variable species but in all its forms the flower spikes are loose and graceful, each branchlet being terminated by a large and well displayed open flower. This bellflower is very free and, flowering as it does from June all through the summer months, at a time when indoor flowers are scarce it should be in all collections. C. Carpathica is a true perennial thriving in any good soil and may be propagated by division just as the young shoots are getting leafy in spring. Some of the best of the white flowered forms of this plant bear flowers almost as fine as eucharis and they are excellent for make-up work.

C. glomerata, although not a showy species, has its merits as a cut flower. The spikes rise to a height of two feet or more and are leafy the whole distance the flowers appearing in roundish heads and, occasionally, in the axils of the upper leaves. There are some varieties of this plant that are dull in color and not very showy but there are deep colored and double blue and white flowers that are extremely pretty and useful as cut flowers. The plant is of the easiest possible culture and when once planted it goes on reproducing itself from underground runners that soon make fine clumps. It may be divided at any time when not in active growth, preferably in autumn except in very cold localities where spring division may be practiced. C. Bononiensis, C. latifolia, C. nobilis, C. Sarmatica, C. speciosa and several others may be added to the list if a representative collection of tall flowering sorts is needed, but the above are the best for cutting. There are, however, many dwarf growing beautiful kinds that are excellent for small work or for a display in the borders including the lovely little harebell, a flower as precious as the violet.

BULBS IN THE PARKS OF TACOMA, WASH.

Park Notes from Tacoma, Wash.

The illustrations herewith show some of our spring flowering bulbs at Point Defiance park, Tacoma, Wash., which were simply grand last month when thousands of people enjoyed these gems of the floral kingdom. We have four parks; north, south, east and west of this wonderful city. Each park has a flower garden. We treat all the same, spring, summer and fall, by planting varieties of plants and bulbs, so as to have flowers from the beginning of April until November, sometimes almost up to Christmas. This last winter we had daisies (bellis) in bloom all winter.

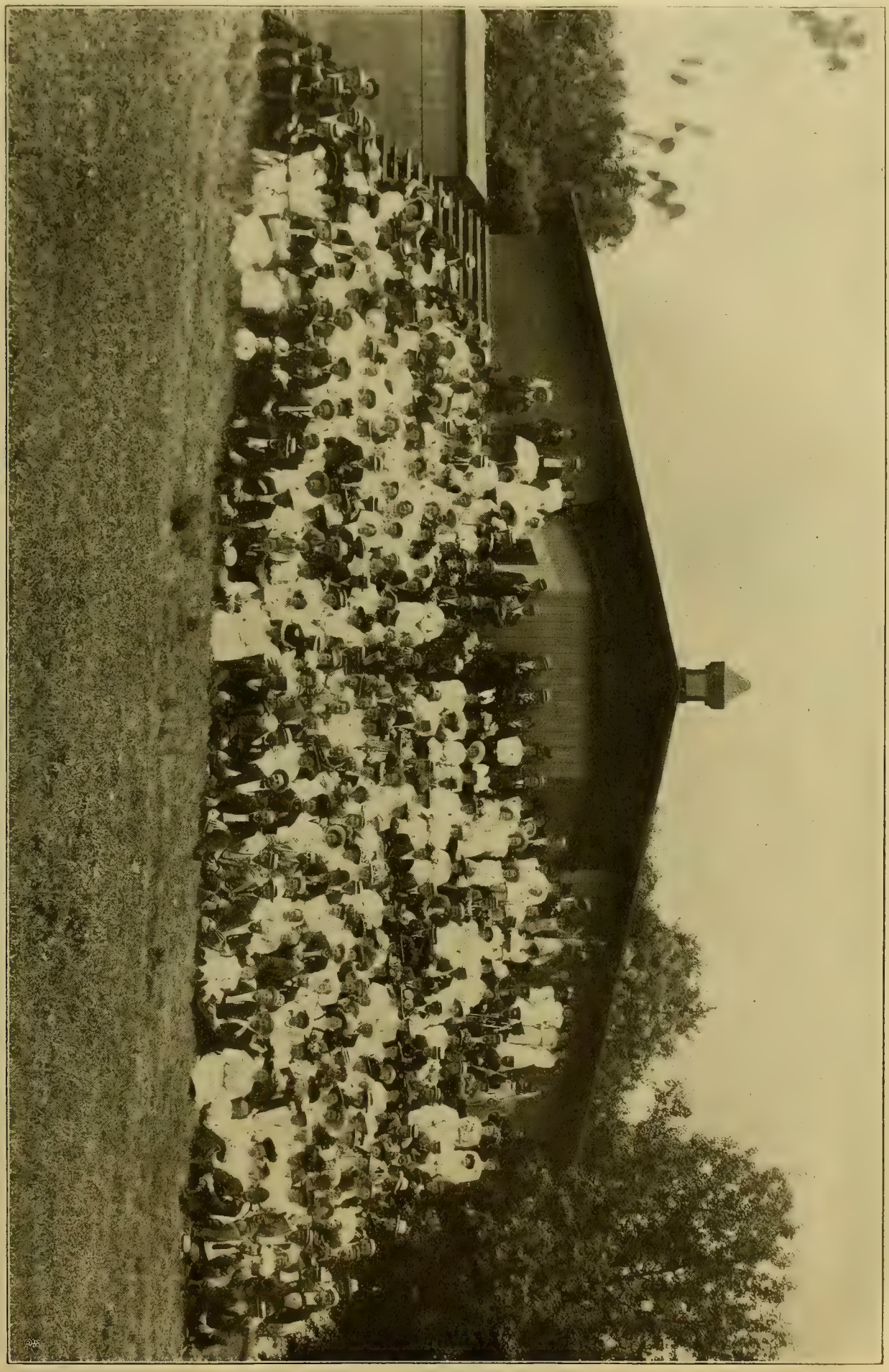
This is really a wonderful climate for flowers, if the varieties are carefully selected. All the hardy varieties of bulbs are at home on Puget Sound. We plant our bulbs in October and over 100,000 were planted last fall, 75,000 of these at Point Defiance park. No such number was ever planted in any other park on the Pacific coast. The pictures show what kind of a display of flowers we can get in the far northwest. Before we plant the bulbs in the beds and borders we plant Arabis alpina. This gives a carpet of white the same time as the hyacinths and tulips are in flower. We have 12 varieties of hyacinths, 10 of tulips and 12 of narcissi. We planted 10,000 crocuses in three colors, which we left in the ground permanently, where they will increase.

We have now thousands of pansies in bloom; and we plant great numbers of English primroses for spring blooming and they give great satisfaction. All should see our spring flowers, not on paper, but on the ground. It is one of the grandest sections of country on the face of the earth. Mountains, woodlands, lakes, waterfalls, valleys and the great inland sea. God help all the poor flat-footed gardeners, who always have a hole in their pocket. That's the trouble or I would certainly send all the specials needed and bring you all out here and have your pictures taken on the top of Mt. Tacoma, almost 15,000 feet in the heavens.

All the citizens were in their glory recently decorating the city to give a grand welcome to the boys in blue. The Park Department built a floral arch 56 feet wide and 35 feet high using 30,000 feet of evergreen garlands stretching from pillar to pillar, along the electric wires for 25 blocks. About 15,000 flags were used in this line of march. Our citizens claim the title of "The Gateway to the Orient." Every city has a gateway, but our oriental gate was wonderful, 100,000 people having marched through to greet the sailor boys.

Wright park will soon have a very attractive conservatory, the gift of the Hon. W. W. Seymour. The dome will be 41 feet high; two wings on an angle so as to conform with the landscape, 50 feet long by 20 feet wide, and a large corridor. Statuary will be placed on each side of the walk leading to the cor-

BULBS IN THE PARKS OF TACOMA, WASH.



NEW YORK FLORISTS' CLUB OUTING, JULY 1—See Pastimes.

ridor from the streets which we have named "The Court of Honor." We have also just completed the work of placing the statuary of the old Egyptian sphinxes, 10 feet high, the gift of E. J. Bowes, of this city. We have 10 parks, all improved, and numerous city triangles, comprising over 1,150 acres.

R.

Illinois' New State Greenhouses For Floricultural Experiments.

The accompanying illustrations show the plans of the new greenhouses being erected at the University of Illinois, Urbana, for the experiment work in floriculture, by the Foley Manufacturing Co., Chicago. These houses were made possible by a special appropriation for the floricultural interests of the university. In planning for these new houses it was intended that they should be model ones and they were designed especially for experimental work.

The new range will be located on the horticultural grounds in close proximity to the present horticultural building and will be provided with its own heating plant. The plans, as are now being carried out, consist of a service building, a corridor or connecting house and two greenhouses. The service building will contain a large boiler room 49½x26 feet, a work room 25x26 feet, a hallway connecting with the corridor house, an office 13x20 feet, a laboratory 9½x12 1/3 feet and a room for the foreman 10x12 feet. Under the workroom and offices will be a cellar divided into three rooms. One of these will be used as a cut flower room, another for storage of bulbs and plants and the third for general storage purposes. This building will be one story high and of frame construction finished on the outside in rough cement plaster.

Extending south from the service building, as shown on the accompanying plans, will be the corridor house. Extending to the east and west from the corridor house will be the two greenhouses. This connecting house may be extended to the south at any time and additional houses added as required.

The two greenhouses will be of the same size, having inside measurements of 27½x105 feet. They were designed to contain four benches each. All benches will be four feet wide and 100 feet long. The walks between the outer benches and walls will be 24 inches wide and those between the benches will be 30 inches wide. The walks were made wider than are usually found in commercial establishments in order to admit the use of special apparatus if necessary and also to give each bench the maximum amount of light and air.

The houses will be provided with King gutters supported upon 2-inch wrought iron pipe set into concrete. Every other post will serve as a downspout. The side walls will be 5½ feet high and will be composed of concrete with 24-inch stationary glass below the gutters. The construction of these walls will differ from that usually employed. Large reinforced slabs of the required height and a little shorter than the space between two posts will be cast upon a flat surface. After thoroughly hardening, these slabs will be set into position with their ends resting upon the concrete footings of the posts and then lined up. A boxing will then be built about the posts including the ends of the slabs and filled in with concrete. The concrete, which will fill in the spaces between the slabs and the posts and extend on each side in the form of a T will bind the slabs thoroughly into place. The drawings will show this form of construction very clearly. This method was chosen for two reasons: First, it was found to be cheaper than the old method of using boxing, and, second, the joints formed between the slabs and pilasters will prevent any cracking due to expansion or contraction.

The ridge, ventilating sash, sash bars and all other woodwork of the roof will be of gulf red cypress. The roof will be supported by two lines of purlins and tied with wire cables. All glass used in the buildings will be 16x18 and 16x24 D. S. A. and will be lapped. Ventilation will be secured by two lines of interrupted sash hinged to the ridge bar.

The greenhouses and service building will be heated by steam furnished from a 60 h. p. tubular boiler run under high pressure. The setting of this boiler was especially designed to reduce the amount of smoke to a minimum. Ample room has been provided for two additional boilers. A 70-foot brick stack which will be large enough to accommodate three boilers of 60 h. p. each, will be located between the boiler room and greenhouse. From the boiler the steam will pass through a pressure regulator to the feed mains which will be carried under the floor of the corridor house. From these mains 1¼-inch pipes will branch off into the houses. Each house will be provided with 24 lines of 1¼-inch pipe, carried along under the benches and along the side walls. The condensation will pass back to the boiler room where it will be returned by means of Morehead traps as the floor level of the boiler room is only two feet below the grade level of the greenhouses. All buildings will be furnished with water and electric lights from the university water and lighting plants.

Although these greenhouses are especially designed for experimental work it is intended that they shall also be used for instruction purposes. A complete course in floriculture is being offered and it is hoped that it will be of advantage to those intending to follow this line of work. The subjects offered will include, beside general ones, special lines of work such as greenhouse construction, plant propagation and commercial floriculture. These subjects will be presented both as lecture and laboratory work and will include the practical as well as the theoretical side.

The carnation will be the principal subject of experiment this season, covering fertilizers, diseases and insect pests, with H. B. Dorner, son of the veteran carnation grower of La Fayette, Ind., in immediate charge of the work.

Number of Roses per Plant.

ED. AMERICAN FLORIST:

Kindly inform me through your paper the number of roses per plant that may be obtained from plants benched before July 15 from varieties such as American Beauty, Killarney, Golden Gate, etc.

W. P. S.

In reply to "W. P. S." For American Beauty planted from July 10 to July 15, up to the following June an average of 15 to 18 roses per plant will be doing quite well, as this is planting too late. Killarney, Golden Gate, Bride, Bridesmaid and Richmond should produce an average of 40 blooms per plant if benched by June 15 and well cared for throughout the season. This includes nine months of cutting.

E.

CHRYSANTHEMUMS

Virginia Poehlmann.

A chrysanthemum that takes up even less room on the benches than Ivory, yet produces large, fully developed flowers from every shoot, is something every grower will want to know about and these are some of the good points of Virginia Poehlmann, a variety that has been under observation at Poehlmann Bros.' plant at Morton Grove, Ill., for several years and is being distributed this season. The benches now being planted are treated a little different from the usual. Six inches in the rows is space enough for this variety, but to facilitate cultivation the plants are put out two at each station and these are one foot apart. Stock planted at the middle of July last year produced splendid flowers in October, and every flower was good, even from the smallest shoots. The flower is a finely incurved well filled up white with splendid petals and good keeping and shipping qualities, as the flowers from the same bench noted above were shown at the chrysanthemum show in Chicago in November. It has been named after August Poehlmann's daughter.

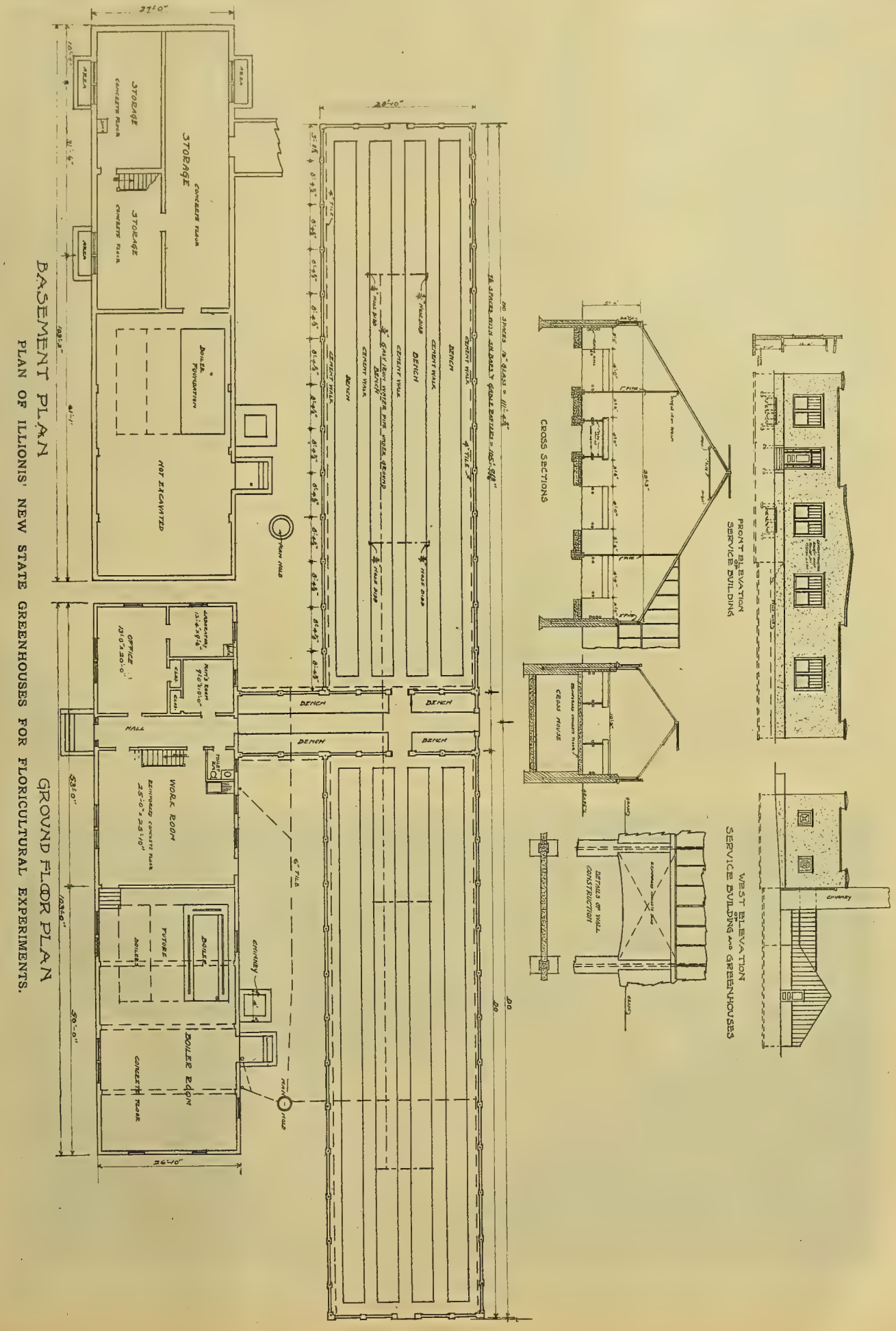
Notes on Culture.

Early July should see all the chrysanthemums intended for bench culture planted. There is time yet to plant a few of the later varieties, especially if the plants are in good shape, but no time must be lost. Keep them well watered and syringed through these hot days; go through them two or three times a day and moisten the plants and walks if they need it and water well at the roots at least once a day. One of the main things in chrysanthemum growing under glass is to get a strong growth on the plants before the buds appear. Stir the surface of the soil frequently, clean off the weeds and, above all, destroy all aphis.

During the latter part of July a light topdressing will be beneficial to the early planted and early flowering varieties and a little bonemeal or soot mixed with some good old manure will be found to be very beneficial and will help to get that dark glossy green color to the foliage which we all admire. There are a good many different ways of tying now in use, but the best, cheapest and easiest to apply, is to run wires lengthwise three feet above each row with a few cross-wires to stiffen them and secure them on two or three places to the pipes or the wood structure of the house to keep them perfectly tight; these wires once put up and properly adjusted will stay for years without being in the way and they are always there ready and as soon as the plants are in the bench they can be tied if they need it. Take a ball of common white twine and tie a double knot around the stem between two leaves; tie it loose enough so the plant or stem has room to expand and draw it up tightly to the wire and make a double knot again. If the plant is crooked to start with this will soon straighten it and all the tying afterwards necessary is in about a month's time from the first tying. Cut the twine clear off with a sharp knife, at both ends, and make a new tie in the same way.

G. T.

SAN DIEGO, CALIF.—The Floral Association has arranged to hold its annual show in October.



PLAN OF ILLINOIS' NEW STATE GREENHOUSES FOR FLORICULTURAL EXPERIMENTS.

The Culture of Gladioli.

A paper read by Arthur Cowee, Berlin, N. Y., before the Florists' Club of Philadelphia, July 7.

Doubtless some, if not all, of you are familiar with the exceptionally rapid development and improvement of the gladiolus during the past 10 years or so. Especially do I refer to the artistic form and coloring of the enormous flowers properly arranged on a gracefully bending spike. The time was not long ago when practically the only gladioli bulbs commercially offered were of one type, Gandavensis, with stiff, straight spikes, comparatively small flowers arranged closely together, all of the buds developing at about the same time. The variety of colors also was limited and it is no wonder that, except for massive decorations, the average florist has been slow to take up the culture of this flower.

To such hybridizers as Groff and Lemoine we are indebted for the many types of beautiful and artistic flowers which have been recently introduced and upon which improvement is constantly being made. These modern hybrids, from their cheapness and adaptability to any kind of decoration either large or small, are yearly tempting more and more the artistic, critical and exacting florist. I do not wish to appear in the light of condemning the entire Gandavensis family, for among the hosts of named varieties of this class are many which I value highly on account of some particular attribute or attributes which render them invaluable for certain purposes.

CHOICE VARIETIES.

For instance I have found the varieties Shakespeare, May, Augusta, and Brenchleyensis the most reliable for forcing purposes one year with another. With a succession of plantings also, this type can be massed with splendid results on extensive lawns, where the contrast in colors is most pleasing. As my task has been principally in the direction of collecting, selecting, classifying and growing commercially this bulb, my talk will be more on this line rather than from the scientific or hybridizer's standpoint, although I have had considerable experience with hybridizing in my early work.

Ever since I knew anything about flowers the gladiolus has been my favorite, the growing of which I called a fad up to a few years ago, when, realizing the possibilities of the development and consequent demand for these modern types, I concluded, if possible, to make a business of the growing of these bulbs, convinced also that the soil and climatic conditions of my section of the country were especially adapted to the development of a strong, vigorous bulb which, in the gardens of the amateurs and professional growers, would give most satisfactory results. How well I have succeeded is indicated by the harvest of 1907 of about 16,000 bushels of bulbs, bulblets and corms, all of which stock has been disposed of during the season of 1908 with the exception of such as we were obliged to retain for further growing. This stock is made up of selections from unnamed seedlings and named varieties placed in mixtures and color sections, also named varieties of recent introduction as well as novelties not yet introduced and of course some old varieties which, by reason of some particular attributes, are still in demand, and retained.

HISTORY.

Comparing the wild species with the modern hybrids one could hardly believe that the latter were offsprings of the former. Of the wild species referred to there have so far been discovered 140 or more, a few being natives of Europe and western Asia and a few from the mountains of tropical Africa; most of them, however, are from South Africa (Cape Colony and Natal). The leading parents of garden sorts are the species psittacinus, cardinalis, Saundersii, purpureo-auratus, papilio, dracocephalus, Cooperii, Adlami and cruentus. But few of them are of value to the gardener and only as curiosities. In addition to the use of wild species many domestic kinds have been produced which have been of incalculable value in securing new types and colors, as far as the general habits and constitution are concerned.

The gladiolus is quite an old flower, for we find as far back as 1596 G. segetum was cultivated, and, in 1629, G. byzantinus was quite popular, also during the last half of the eighteenth century many species were introduced causing a great deal of interest in this flower. At one time G. segetum and G. communis were highly prized for their medicinal properties, but for what ailment I have been unable to ascertain. The starchy bulbs of some African species were also used by the natives as food. In 1823 Colville of Chelsea, Eng., brought to notice the variety Colvillii, a cross between G. cardinalis and G. tristis and which, by later breeding, has shown some beautiful hybrids especially adapted for early forcing, although the flowers are quite small.

It seems, however, to have been left to Van Houtte to start the ball rolling, when in 1841 he introduced to the trade the Gandavensis type, said by some authorities to be a cross between G. psittacinus and G. cardinalis, while others claim it is the result of crossing G. psittacinus and G. oppositiflorus. I am inclined to the former theory, although in some so called Gandavensis hybrids the blood of G. oppositiflorus is recognized; especially is it prominent in that old variety, Ceres.

The Lemoinei type, a hybrid of G. purpureo-auratus and G. Gandavensis, was first introduced in 1878 by Victor Lemoine and Nanceanus, a hybrid from G. Lemoinei and G. Saundersii was introduced in 1889 by the same hybridizer. About this time, or perhaps a little earlier, a cross between Gandavensis and Saundersii was obtained by Max Leichtlin of Germany, which strain came to America and was named Childsi. About the year 1887 I happened to see a small planting of gladioli in the garden of a personal friend, which, comparing quality, vitality and multiplying functions were a revelation to me. I found upon inquiring that they were hybrids from the trial grounds of H. H. Groff of Canada and immediately I made it my business to stock up as rapidly as possible from that source, so that today I have between 15,000 and 20,000 seedlings of exceptional merit, the result of crosses made by that hybridizer.

CULTURE.

The methods employed in the successful cultivation of the gladiolus are too well known to all of you for me to go into full details, hence I will touch lightly upon this subject. One of the principal points is to select proper soil, for, although this bulb will bloom in almost any kind of soil and under adverse conditions, still, the same as most flowers, it has its choice of soils. Sandy loam is

TRI-CITY FLORISTS' CLUB STRAWBERRY FEAST AT EWOLDT BROS.', DAVENPORT, IA., JUNE 18.

President Knees at extreme right in front; Secretary John T. Temple at right in back row.

preferable, but if this cannot be supplied, heavy soil may be much lightened by the application of sand. The soil also should be well drained, for the gladiolus will not thrive well where there is excessive moisture. The soil should be well fertilized in the fall and thoroughly plowed, and in the spring should be well pulverized, at which time the lightening process with sand should take place if required. The planting can be made in rows or masses according to the uses which are to be made of the flowers. If space is limited the rows may be as close as 18 inches apart; such planting of course is intended for cut flowers.

Four inches is shallow enough to plant in any soil for the bulb to take strong root and permit of sufficient space for the new bulb or bulbs to form on top of the one planted. By planting this depth, and even a little deeper in especially light soil, the spike from the old corm to the top of the ground is a help toward supporting the mass of flowers which are sure to follow proper cultivation and, as a general rule, no stakes are required except under extreme conditions, such as continued high winds sometimes accompanied by driving rains. Gladiolus bulbs may be carried through the winter year after year in good condition, if stored in a dry place, with as low a temperature as possible above the freezing point.

PROPAGATION.

The multiplication of the same variety is accomplished in two ways: First, by division; the old bulb producing from two to as high as 10 new flowering bulbs. Second, by offsets or corms which are formed among the roots between the old bulb planted and the new bulb or bulbs, which form on top. A large percentage of these require two years' growth in order to secure flowering bulbs, and the first year may be sown in rows one inch deep and about 12 inches apart. New varieties are secured only from seed, and there is no argument which would convince the modern grower that chance seedlings (by bees, butterflies and other insects) are as good as those produced by hand hybridization, especially when hybridized by one whose experience and knowledge of the habits and constitution of the parent plants as well as the proper methods to secure color results, has taught him when and how to make such crosses. Sports now and then appear in my fields, but so far, I have been unable to establish and reproduce them.

USES OF GLADIOLI.

The flowering of the gladiolus, coming as it does at the time of the year when there is comparatively a dearth of other flowers, is a boon to the florist. With its new forms and coloring there is no decoration for which it is not eminently adapted and the absence of perfume as well as the odor from decomposition, which takes place with many other flowers, places it in the lead for table decoration. Beautiful and artistic wedding, funeral and other designs can be made with the individual flowers while the spikes can be arranged with green foliage in sprays, and other forms lasting much better than roses, carnations or in fact any other flower, which by reason of such use must remain some time without water.

No florist, whether growing for the general or local market, should neglect to force each year at least a few gladioli. Very few are so fortunate as to have their carnation houses entirely free from stem rot and consequent bare spaces, in which the gladioli may be planted with excellent results and returning ordinarily a reasonable profit for the space occupied. Then, too, there are other house crops, among which are chrysanthemums, which can be economically and profitably followed by the planting of gladioli. The temperature in which the best results can be secured is that under which the carnation thrives. Bulbs after being harvested from the fields in the fall should be given a reasonable resting period, after which they may be planted in the bench midway between the surface and bottom of the soil; sufficient root depth is thereby given and the necessity of staking is also avoided.

The gladiolus is well called the people's flower and I hope by careful selection and combination of those varieties best adapted to the use of the craft, that the day will not be far distant when it will be a necessary asset to florists in general and in due time receive the additional title of the florists flower.

To Be Done Now.

IN THE GREENHOUSES.

In cultivating the soil on the benches devoted to young roses see that the depressions around the plants are not filled up.

The Late James Cole, Sr.

Death recorded last week, page 1178.

Feed and water the old carnations, that are still flowering, liberally, or the flowers will be poor.

Attend to all painting inside and repairs of benches, heating apparatus and boilers as soon as possible.

Watch for cut worms when topdressing old benches of smilax with new soil from outside.

In localities where there is no coarse sand to be had, crushed stone is a useful addition to plant composts.

Sow early herbaceous calceolarias and cinerarias in quite a cool frame or house, allowing plenty of air.

Keep the faucets repaired; the leaks may do no damage now but there may be more to do later in the season.

See that all supports on the rose benches are very firm before attaching the wires and tying the plants.

Watch for cool nights for fumigating or sulphuring the pipes if mildew is present in the rose houses.

IN THE STORE.

Deep green foliage should always be used with yellow flowers.

Boston and other ferns and caladiums make a good window decoration when too hot to show cut flowers.

Pandanus Veitchi, with small ferns around it in azalea or other shallow pots has a pretty, fresh appearance and sells well.

Dorothy Perkins roses from outdoors make a beautiful table decoration now.

Have all cleaning and necessary alterations to the store carried out early before the busy season again commences.

OUTDOORS.

Plow all vacant land that is weedy before the weeds go to seed.

Top the shoots of grape vines in order to thicken out the stems and swell up the buds at the base.

Treat the peonies well after flowering to ensure the production of good crowns for next season.

Weedkillers should be applied to walks after rain when there is a likelihood of a few dry, hot days.

Spray the Indian azaleas that are outside regularly during hot weather.

Feed rambler roses to encourage the production of long vigorous shoots from the base.

Prick off seedling campanulas in a frame or sheltered position where they can be well looked after.

Some New Plants.

The following new plants have been recently shown in England and are a few selected from a more lengthy list recently published in the Gardeners' Magazine:

Pæonia decora alba.—A charming, free flowering single peony with large, rounded, white, pink-tinted flowers of beautiful shape. The central bunch of stamens is pale yellow and it shows well against the very palest pink tint of the surrounding segments. The ample foliage is light green with a dull instead of a shining surface. It was given an award of merit at the Royal Horticultural Society's meeting May 26, having been exhibited by R. Wallace & Co., Colchester.

Croton Fred Sander.—A handsome, elegant and effective croton, a little too dense perhaps for a table plant but of great beauty for general decoration. The three-lobed leaves are very densly set on a yellow stem and they have yellow footstalks. The ends of the three lobes and the margin of the narrowing basal portion of the leaf are all deep green and within this color the whole area is bright, but not very deep, yellow. It was given an award of merit at the Royal Horticultural Society's meeting May 26, when exhibited by Sander & Sons, St. Albans.

Dracæna Doucetti de Groatei.—This is unquestionably a very fine form of the beautifully variegated variety of D. indivisa. D. Doucetti has now been before the public for several years and its narrow, yellow-striped leaves and light graceful appearance have made it a desirable, though still a comparatively rare, plant. D. Doucetti de Groatei has rather broader and longer leaves than D. Doucetti and the marginal stripe is a deeper yellow. It is a very fine dracæna for grouping or for large vases and hall decoration. It was awarded a first-class certificate at the Royal Horticultural Society's meeting May 26, when exhibited by J. Veitch & Sons, Chelsea.

The Late James Cole, Sr.

Hundreds of old settlers, friends of the late James Cole, Sr., Peoria, Ill., gathered at his old home, 1621 Perry avenue, on the day of his funeral, and took a last look at the features of the venerable pioneer florist. The casket containing the remains was embowered in a profusion of flowers. Banked about the base were dozens of floral offerings, woven into beautiful designs, the tokens of many loving friends and relatives. Thrown over the casket, like a huge mantle, was a blanket of woven sweet peas, while on the mantle above the fireplace, reposed a wealth of roses, carnations and other flowers, which the aged florist had grown himself and in which he had taken especial interest and pride.

The impressive Episcopal service was said by the Rev. Edward T. Munns. Henry Velde and Charles Burdick and Mrs. Francis and Mrs. Kintzer sang "Some Time We'll Understand," and "Abide With Me." Following the ceremony the remains were borne by loving hands to Springdale cemetery, where they were laid to rest. A short service was repeated at the grave side.

THE AMERICAN FLORIST

1885 TWENTY-THIRD YEAR. 1908

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THE PROFESSOR: "I can't find the chameleon, Harris." Harris: "No, sir; we've 'ad an accident with 'im. I put 'im on the lettuce and 'e turned green. Then I put him on a tomato and 'e turned red. Then I set 'im on a piece of tartan plaid, and 'e busted."—Philadelphia Inquirer.

FAIRLY hard pruning is best for Richmond rose.

THE early morning bath is a great institution for all plants.

FRESH BLOOD is said to be a remarkably good fertilizer for foliage plants.

KEEP the flowers picked off stock geraniums planted in the field if they are not making a free growth.

GREENHOUSE INVENTORY.—Perhaps you paid $6, or more, per box for the glass in your greenhouses. What is it worth now?

THE preliminary list of premiums of the fall flower show of the St. Louis Horticultural Society has been issued and copies may be had on application to Secretary Otto G. Koenig, 6473 Florissant avenue, St. Louis, Mo.

PHILLIPE DE VILMORIN will give an address on "The Retardation of Flowering Plants and the Preservation of Flowers by the Application of Cold" at the international congress of the refrigerating industries to be held in Paris, France, October 5-10, 1908.

MANAGER H. KEITSCH of the S. A. F. trade exhibition, to be held at Niagara Falls August 18-21, advises us that 5,468 square feet of space are already taken, divided between 39 exhibitors. Mr. Keitsch is of the opinion that this will be the banner year for the exhibition end of the convention.

AT the international exhibition to be held at Turin, Italy, in 1911 three horticultural shows will be held, in May, September and October, under the auspices of the executive committee, with the co-operation of the Regia Societa Orto-Agricola del Piemonte and the patronage of King Victor Emmanuel III. Greenhouse and garden plants, cut flowers and floral arrangements, fruits and vegetables are all to be included in the exhibits.

American Carnation Society.

CARNATION REGISTERED.

By Bassett & Washburn, Hinsdale, Ill., Orland P. Bassett, parentage Crane and Prosperity; color deep red; size of flower 3½ to 3¾ inches; calyx long and never splits; stems, strong, stiff and long. Very strong grower, every shoot producing a flower.

ALBERT M. HERR, Sec'y.

Netherlands Horticultural Federation.

At a meeting held at Utrecht, May 14, 1908, at which all the principal horticultural societies of the Netherlands were represented, the Netherlands Horticultural Federation was formed. Some 49 societies, embracing all branches of horticulture, with nearly 18,000 members, have joined the federation, which will be the representative center of all Dutch horticulture. R. P. Bonthuis, The Hague, is secretary.

National Council of Horticulture.

The sixteenth and seventeenth installments of the press service of the National Council of Horticulture have been received and contain the following excellent articles: "Zinnias," "Juneberry," "Squash," "Asters," "Planting Strawberries in July," "Designing a Planting Scheme for Next Year," "Red Hot Poker Plant" and "More About the Hibiscus." All are good readable articles and are free to editors of local papers anywhere on application to J. H. Burdett, 1720 West One Hundred and Fourth place, Chicago.

Reduction of Foreign Parcels Post Rates.

Postmaster-General Meyer has announced that on and after July 1 parcels having a weight limit of 11 pounds (a gain of seven pounds over present limit) may be sent from the United States by parcels post to England and Italy, August 1, at the rate of 12 cents per pound; also to France, July 1, weight limit four pounds, six ounces. The present rate is 16 cents per pound. Coming as this does soon after the announcement of a two cents per ounce letter ocean postage to take effect October 1 next, it is safe to predict a large increase of trade will take place in seeds, bulbs and plants between the respective countries in a way more convenient and quicker than the usual express and freight method. The convenience of postal transportation is that a parcel is delivered directly to each party by the postal agent without delay.

In England where postal rates are on a practical basis, parcels are sent to any of its possessions by mail at the rate of three pounds for 24 cents, according to the Scientific American, seven pounds for 48 cents, 11 pounds for 72 cents, a rate of 8 cents per pound, which is the general world rate and is one restricted in the United States only to printed books. The entire cost of transportation of merchandise through the mails has been ascertained to be but 4½ cents per pound.

Meetings Next Week.

Baltimore, Md., July 13, 8 p. m.—Gardeners' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.

Buffalo, N. Y., July 14, 8 p. m.—Buffalo Florists' Club, 383 Ellicott street.

Cleveland, O., July 13, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit street.

Detroit, Mich., July 15, 8 p. m.—Detroit Florists' Club, 38 Broadway.

Lake Geneva, Wis., July 18, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, News building.

New Orleans, La., July 12, 2 p. m.—Gardeners' Mutual Protective Association, 118 Exchange alley.

New Orleans, La., July 16, 8 p. m.—New Orleans Horticultural Society, 125 St. Charles street.

New York, July 13, 7:30 p. m.—New York Florists' Club, Murray Hill lyceum, Thirty-fourth street between Third and Lexington avenues.

Pasadena, Calif., July 17, 8 p. m.—Pasadena Gardeners' Association, G. A. R. hall, East Colorado street.

San Francisco, Calif., July 18.—Pacific Coast Horticultural Society.

Scranton, Pa., July 17, 7:30 p. m.—Scranton Florists' Club, Guernsey building.

Bulletins Recently Issued.

By the Department of Agriculture, Washington, D. C.:

"Mountain Laurel—A Poisonous Plant," by Albert C. Crawford.

"The Immunity of the Japanese Chestnut to the Bark Disease," by Haven Metcalf.

"The Botanical History and Classification of Alfalfa," by Carl S. Scofield.

"The Germination of Vegetable Seeds," by Edgar Brown and W. L. Goss.

"Moisture Content and Physical Condition of Soils," by Frank K. Cameron and Francis E. Gallagher.

"Fertility of Soils as Affected by Manures," by Frank D. Gardner.

"Notes on Frost," by E. B. Garriott.

"The Use of the Split-Log Drag on Earth Roads," by D. Ward King.

"The Cross Inoculation of Fruit Trees and Shrubs With Crown-Gall," by Geo. G. Hedgcock.

"Some Stem Tumors or Knots on Apple and Quince Trees," by Geo. G. Hedgcock.

By the New York Experiment Station:

"Alfalfa Aided by Soil Inoculation," summarized by F. H. Hall, from bulletin by H. A. Harding and J. H. Wilson.

"Protecting Cabbage Plant Beds From Maggots," summarized by F. H. Hall, from bulletin by N. J. Schoene.

"Some Fruit-Rot Notes," summarized by F. H. Hall, from bulletin by H. J. Eustace.

By the West Virginia University Experiment Station: "Starting Young Orchards," by W. M. Munson.

Florists' Club Outings.

Boston, Mass., July 29.—Annual picnic of the Gardeners' and Florists' Club to Pine Banks park, Malden.

Chicago, July 10.—Annual picnic of Florists' Club at Morton Grove, Ill.

Davenport, Ia., July 21.—Annual picnic of Tri-City Florists' Club to Linwood, a 10-mile trip down the Mississippi.

Cincinnati, O., July 23.—Sixteenth annual outing of the Florists' Club to Coney Island.

Cleveland, O., July 29.—Annual outing of Florists' Club to Cedar Point.

Montreal, Que., July 29.—Annual picnic of Gardeners' and Florists' Club.

St. Louis, Mo., July 15.—Annual picnic of Florists' Club at Normandy Grove.

Tarrytown, N. Y., August 4.—Annual outing of Horticultural Society to Rye Beach.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Every paid subscriber to the AMERICAN FLORIST for the year 1908 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—As an A1 florist; 15 years' experience in Denmark and Germany. Address Key 576, care American Florist.

Situation Wanted—By an all around gardener has the best of references; private or commercial place; 15 years' experience. Key 533, care American Florist.

Situation Wanted—Married; 29 years old; sober industrious; 15 years' European experience pot plants a specialty; state wages and particulars. Key 535, care American Florist.

Situation Wanted—By a first-class grower of cut flowers, middle age, to take charge of private or commercial place or as foreman; can deliver the goods; good wages expected. Address Key 565, care American Florist.

Situation Wanted—Working foreman in good commercial place; first-class grower of cut flowers roses, carnations, 'mums and forcing of all kinds of bulb stock; good plantsman. Address Key 577, care American Florist.

Situation Wanted—By young man age 21; 6 years' experience in carnations, 'mums, and pot plants wants position in commercial place as an assistant grower; Eastern States preferably; state wages in first letter; best of references furnished. PAUL POINSARD, 1513 Electric St., Scranton Pa.

Situation Wanted—As working foreman; German, single, 29 years of age; 12 years in this country; 15 years' experience; good grower of roses carnations and cut flowers, good designer and decorator; good worker and sober; best of references; please state wages. Address FLORIST, 64 Palmer Avenue, Chicago.

Situation Wanted—By young man, single, 14 years' experience in all branches, to take full charge of up-to-date establishment or large private place or public institution; Pacific coast or Western States preferred; good salary expected otherwise save stamps. Address Key 579 care American Florist

Situation Wanted—As working foreman; single, German, 36 years of age; sober, reliable, good education; 23 years' practical experience in roses, carnations, 'mums violets palms ferns, all kinds of fancy pot plants for Easter and Christmas designs and decorating; please state wages and particulars in first letter; first-class references. Key 580, care American Florist.

Help Wanted—Two or three good rose growers. No helpers; apply in person to BASSETT & WASHBURN, Hinsdale, Ill.

Help Wanted—A man to work in rose sections; state wages without board. Apply COLE BROS., Peoria, Ill.

Help Wanted—Rose grower for section; sober hard-working man who understands his business; send references and wages wanted to ERIE FLORAL CO., Erie, Pa.

Help Wanted—A good rose grower as working foreman; to take charge of rose sections on a large plant. Key 569, care American Florist.

Help Wanted—At once a reliable man to take charge of greenhouses for retail place; one who understands raising carnations, roses, pot plants etc. Permanent position for right party. MRS. ERWIN M. DANN, R. F. D., Phoenix N.Y.

For Sale—Greenhouses and stock in good town in Oklahoma; 12,000 inhabitants. Address Key 563 care American Florist.

For Sale—Several second-hand hot water boilers in excellent condition; will be sold cheap to clear. J. D. CARMODY, Evansville, Ind.

For Sale—The complete fixtures of a retail florist store, inluding ice box, mirrors etc. MILLANG BROS., 41 W 28th St., New York City.

For Sale—27,000 feet of glass without stock in a good locality in Chicago. Take Clark St. car to Francis St. Call or address OWNER, 4016 N. Clark St., Chicago.

For Sale—A handsomely fitted up florists' shop in the best private neighborhood in New York, cor. Madison Ave. and 75th St., rent $150.00 a month; possession at once; lease satisfactory to good tenant, will sell reasonable. Address Key 534, care American Florist.

For Sale—Greenhouses and stock; about 20,000 feet of glass, well stocked with all kinds of bedding plants, ferns, palms and cut flowers; for terms inquire of Mrs Hugo Book, College street, Worcester, Mass., or L. Midgley, Worcester Conservatories, Worcester, Mass.

For Sale—Two hot water boilers, Kroeschell pattern, capable of heating 5,000 feet 4-in. pipe, used 4 years, price, $225 each; 12 000 feet 4-inch cast-iron pipe in good condition; 4,000 feet 5-inch cast-iron pipe, all fittings on pipe thrown in at 10c per foot; 40 boxes of 10x14 A glass $1.35 per box. GEO. REINBERG 35 Randolph St., Chicago

For Sale—Will sacrifice on easy terms; greenhouse of 5,000 feet of glass, hot water heat, well stocked; city water and electric lights; 10-room house; good barn; 4 large lots; lots of fruit on place; established business; excellent shipping facilities; located in good northern Indiana town, near Chicago and several other good cities. For particulars, address GAYLOR-KIEFER REALTY COMPANY, Misbawaka, Ind.

For Sale or Lease—A chance of a lifetime; 10 large greenhouses about 18 000 square feet, well stocked with carnations, 'mums, roses and other stock, 6 acres of fine land, 2 6-room houses, 2 barns, own waterworks, new boiler with steam-trap arrangement, all in perfect condition and good repair and running order; 2 miles from square of a thriving town in Indiana of 28,000 inhabitants; also store and 5 large greenhouses in middle of town, on rented ground also in good condition and running order; a chance to make money for 1 or 2 hustlers; can be sold or leased together or separate; good market and fine connections to larger cities; for particulars address Key 537, care American Florist.

FOR SALE.

Wholesale and Retail Floral Establishment well stocked, consisting of 12 greenhouses (about 35 000 square feet of glass); three acres of land; 12-room brick residence; shop, barn, horse, wagons implements, tools, etc. Everything in first-class condition. No parties but those who mean business and have cash need apply. Parties must see to appreciate. For terms address C. CRAMER, R. F. D. No. 4, Salt Lake City, Murray Station, Utah.

HELP WANTED.

A rose and carnation man; one who has had a thorough knowledge of growing. No drinking man need apply.

Key 581, care American Florist.

For Sale.

BARGAIN OF A LIFETIME.

The advertiser is no longer able to attend to business and wishes to dispose of his greenhouse property in Indiana. Address

Key 582, care American Florist.

FOR SALE.

Two second-hand boilers. Can be insured 75 lbs. pressure. Too small for our use.

Fort Madison Plow Co., Fort Madison, Iowa.

...WANTED...

All Florists using steam heat to send for our latest catalogue, which contains some very valuable information.

Address Key 512, care of American Florist.

FOR SALE.

50,000 ft. of 4-in. Boiler Tubes, cleaned and trimmed, ready for greenhouse purpose. Have special malleable iron sleeves to fit same. Will sell at a very low price. I also carry a complete line of **Second-hand Pipe.**

Write for my price before you make purchase.

ISIDOR COHEN, 240-250 Madison St., **Milwaukee, Wis.**

Trade Directory for 1908

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1908, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 509 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

American Florist Company

324 Dearborn Street, CHICAGO, ILL., U. S. A.

Contains 509 Pages NOW READY. Price $3.00 Postpaid

HENRY M. ROBINSON & CO.,

Wholesale Commission Florists.

Hardy Cut Evergreens and Florists' Supplies.

BRONZE GALAX, best quality...$8 50 per case, 10,000; **GREEN GALAX,** best quality... $7.50 per case, 10,000.
New Crop **DAGGER AND FANCY FERNS**.....$1.00 per 1000.

Laurel Festooning, Boxwood, Southern Wild Smilax, Sphagnum and Green Moss, Leucothoe Sprays, etc.

15 Province St. and 9 Chapman Place, BOSTON, MASS.

OUR PASTIMES.

At New York.

The eighth annual outing of the New York Florists' Club was held at Witzel's Point View Grove on Long Island sound, July 1. There was a splendid representation of all branches of the trade and the allied trades. The weather was faultless and, as proof of this statement, the fat men's race, conceded to be the swiftest event on the programme, left all the fat men in apparently better condition than they were at the start.

The steamer Isabel carried over 250 excursionists to the grove and that number was augmented by those who took various other routes, to 345 that were seated at dinner. On the arrival of the steamer at the grove the party was photographed in a group. The baseball game was the first event, the contestants being benedicts vs. bachelors, with Chas. H. Totty as umpire and Frank Traendly as generalissimo of fans. Though the game was exciting, thanks to the absolute fairness of the umpire's decisions, there were no fatalities. Credit is due Chairman Marshall and the members of his committee for their untiring efforts to make everybody happy. President Weathered, Secretary Young and Treasurer Allen, of the club, were also kept busy, going about doing good, and their entertainment of strangers was appreciated.

LADIES' BOWLING MATCH.

The following are the scores made by the ladies for the seven prizes offered: Mrs. Dupuy, 70; Mrs. Lentz, 62; Mrs. Schultheis, 54; Mrs. Fosberg, 52; Mrs. Voeke, 50; Mrs. Langjahr, 49; Mrs. Matthews, 48.

The men's bowling match (5 prizes) was not completed.

BASEBALL, BACHELORS V. BENEDICTS.

The bachelors, team consisted of Messrs. Dupuy, Cantillon, Turney, Rickards, Sheanan, Rogers (captain), Westermann, Kukler, J. Manda.

The benedicts were Messrs Hoenecker, Schreiner, Wilson, Chadwick, Foley, Lutz (captain), Phillips, Rickards (Al.), Irwin. The game was won by the benedicts; score 5 to 1.

Baby Prizes.—Martha Schmutz, daughter of Louis Schmutz, Jr., of 47 Flatbush avenue, Brooklyn, first; Evelyn Rickards, daughter of A. J. Rickards, of Rickards Bros., second. Numerous consolation prizes were distributed.

Girls' race (50 yards).—Jeannette Marshall, first; Belle Scott, second; Dorothy Bolles, third.

Boys' race (50 yards).—Joe Sullivan, first; Al. Schmutz, second; Howard Skard, third.

Girls' race (50 yards).—Gertrude Shinmel, first; Mary Walter, second; Viola Lind, third.

Boys' race (50 yards).—Jos. Walter, first; James Sullivan, second; Willie Weber, third.

Girls' race (75 yards).—Katie Miesen, first; Ellaise Schmutz, second; Margaret Wagner, third.

PICNIC OF VAUGHAN'S SEED STORE, CHICAGO, EMPLOYES, JULY 4.
A Group of Employes and Friends.

Fancy and Dagger FERNS $1.00 per 1000

Discount on large orders.

New Crop Galax, Bronze or Green, $1.25 per 1000: 10,000, $8.50.
Sphagnum Moss, large bales.....$1 25
Leucothoe Sprays.....$1.00 per 100: 1000. 7 50
Boxwood.....35c per bunch; 50 lbs.. 7.50

Florists in the Middle and Western States can save money by placing their fern orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,
WHOLESALE COMMISSION FLORISTS,
38-40 Broadway. All Phone Connections. **DETROIT, MICH.**

Special Offer for 10 Days

Nice fancy **FERNS** 85c per 1000. Good **Dagger Ferns** $1.00 per 1000. New crop **Dagger Ferns,** $1.50 per 1000. **Galax,** Green and Bronze $1.00 per 1000: case lots, 10,000, $7.50. 50-lb. cases **Wild Smilax** $6.00. **Leucothoe Sprays,** bronze or green, 40c per 100. **Ground Pine,** 5c per lb. or 5c per yd. **Pine** and **Laurel Wreaths,** for decoration use: Pine, $1.50 per doz., Laurel, $2.50 and $3.00 per doz. Send your order early for your decoration use. **Laurel Festooning,** 4c., 5c. and 6c. per yard; made daily fresh from the woods.

Boxwood, No. 1 quality $8.00 percase. 50lb. Telegraph Office. New Salem, Mass. L.D. Phone Conn's,

CROWL FERN CO., Millington, Mass.

Asparagus Plumosus Nanus Seed, Only **$3.00** 1000

We handle this Asparagus both in seeds and plants of all sizes in very large quantities, and make very close prices on larger amounts on application. Our seed is pure, fresh, of best germinating quality and extraordinary vitality.
Northern Greenhouse-Grown Seed. Per 100 seeds, **60c;** 250 seeds, **$1.00;** 1000 seeds, **$3.00.** Price for larger lots on application.

VAUGHAN'S, Chicago or New York

George Cotsonas & Co.

Wholesale and Retail Dealers in all kinds of

Evergreens.

Fancy and Dagger Ferns, Bronze and Green Galax.
Phone 1202 Mad. Sq.
Main Store, 50 W. 28th St., NEW YORK

E. A. BEAVEN

Southern Wild Smilax, Log Mosses,

Natural and Perpetuated—at Wholesale,

EVERGREEN, ALABAMA.

JOHN P. SCHERER,

Telephone 328 L Union.
636 Gardener St., UNION HILL, N. J.

SMILAX, FERNS, PALM LEAVES and all kinds of GREEN GOODS.

THE KERVAN COMPANY,
113 West 28th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves Galax, Leucothoe, Ferns, Mosses and all Decorative Evergreens.

Summer Roses

Am. Beauties, Kaiserin, Carnot, Killarney, Richmond and Perle.

All grown in solid benches, with roots down deep in cool soil. These plants are from three to six years old. They produce by far the best flowers in summer.

Asparagus, Smilax, Sprengeri, Adiantum, Choice Auratum Lilies, Field-Grown, Strong Stems.

BUY YOUR FLOWERS DIRECT OF THE GROWERS, and get the freshest possible stock. Our cooling rooms and shipping facilities are unexcelled. **GIVE US A TRIAL ORDER.**

BASSETT & WASHBURN,

GREENHOUSES: HINSDALE, ILL.

Office and Store: **76 Wabash Ave., CHICAGO.**

Boys' race (75 yards).—Donald Marshall, first; Geo. Walter, second; Arthur Guttman, third.

Girls' race (75 yards).—Ethel Adams, first; Alice Walter, second; Mildred Marshall, third.

Boys' race (75 yards).—Robert Burnett, first; Tiffy Lind, second; Harold Lind, third.

Girls' race (100 yards).—Louise Millang, first; Anna Miesen, second; Olive Iler, third.

Boys' race (100 yards).—Philip Walter, first; Larry Schenck, second; Alexander Iler, third.

Girls' race (100 yards).—Fredka Schenck, first; Dora Strahle, second; Helene Millang, third.

Boys' race (100 yards).—Ed. Manda, first; H. Dryer, second; Thomas Adams, third.

Girls' race (100 yards).—Anna Birnie, first; Margaret Sholiske, second; Eleanor Voeke, third.

Boys' race (100 yards).—Geo. Kirkler, first; Herbert Adams, second; Dick Watson, third.

Young ladies' race (100 yards).—Lulu Wittman, first; Anna Guttman, second; Emma Holobek, third.

Married ladies' race (75 yards.)—Mrs. Horneke, first; Mrs. Handel, second; Mrs. Went, third.

Married men's race (100 yards).—W. A. Phillips, first; L. Trask, second; D. Ciacci, third.

Club members (150 yards).—Joe Manda, first; Al. Wheeler, second; W. A. Phillips, third.

Fat men's race, 200 pounds and over (100 yards).—F. H. Traendly, first; W. A. Manda, second; Wm. Hopwood, third.

Though the men's bowling match at the outing was not finished it seems that the prizes were awarded as follows: Fred Lentz, first, 104; J. McArdle, second, 96; R. Smith, third, 76; J. Miessen, fourth, 71; John Scott, fifth, 70.

Joe Fenrich is the only one of the contestants for the Niagara Falls trip who will get there at President Traendly's expense, though Joe Manda came so near it that the genial president will probably forego the old saying that a miss is as good as a mile.

NOTES.

Noteworthy representatives of the retail trade present were E. E. Burque, manager at Dards' Madison avenue store, and his bride of a month.

Chairman Marshall found his duties more laborious than selling seeds.

We can supply fine halftone proofs of the Florists' Club outing at 40 cents each. See reproduction on page 1217.

At Philadelphia.

Considerable interest is taken in bowling matters as the time for the convention draws nigh. The average number of those who use the alleys has fallen off gradually the past two years, owing probably to a general decline of interest in bowling, which has resulted in the closing of many public alleys. The chances of a good team to represent this city are, however, fairly well assured as all the men of last year's team have participated in the tryout tournament in June and 10 men have qualified for the games, the result of which will determine the team, to be played during Thursdays in July commencing at the home alleys July 9. There will be four other matches of three games each, three on outside and the last on the home alleys. The scores made in the preparatory games of June follow, the conditions being that each player had to bowl at least 15 games and make an average of 150 or over to qualify.

PLAYERS' AVERAGES.

	Games.	Average.
Wm. Robertson	22	184
F. Adelberger	15	179
Dodds	43	179
Connor	16	175
Yates	15	174
Kift	24	168
Graham	18	168
Harris	74	166
Westcott	30	166
Batchelor	35	163

K.

At Baltimore.

So far there is not much activity in bowling matters. Two weeks ago the Gardeners' Club team, Messrs. Moss, Seibold, Richmond, Perry and Lehr, went to Washington but failed to come back with honors and trophies. On Saturday next at the Diamond, N. Howard street, the Washington boys will give them an opportunity to glut themselves with revenge.

S. B.

At New Orleans.

The Horticultural Society gave its annual outing July 8, this time at Mandeville, across Lake Ponchartrain, including a delightful boat ride of two hours and the same back, and a fine dinner at the most popular hotel of the place. The balance of the day was spent in the woods where games and refreshments took place.

BUFFALO, N. Y.—Now that spring work is past the bowling club will resume practice and get in shape for the convention.

At Chicago.

The annual picnic of the employes of Vaughan's Seed Store was held at Evanston, July 4, and J. C. Vaughan and Mrs. Vaughan made it a very pleasant day for those who participated. Boats were provided and most of those in attendance had an excursion on the lake.

BOWLING.

The bowling scores on Tuesday evening at Bensinger's alleys, 118 Monroe street, were as follows:

Asmus	179	192	160	177	160	160
Balluff	136	158	150	184	178	145
Winterson	141	163	187	153	146	—
McKellar	156	148	166	157	177	—
Ayers	141	106	147	124	129	—

The ladies scored as follows:

Mrs. Winterson	93	118	114	116
Mrs. Kreitling	105	84	150	129
Mrs. Asmus	91	129	103	115
Mrs. Hauswirth	99	111	99	115
Mrs. Balluff	61	68	63	77
Mrs. McKellar	114	108	89	152

Arrangements have been made for bowling at the same alleys next Tuesday.

THE PICNIC.

Arrangements for the Florists' Club picnic at Morton Grove, July 19, are now practically completed, and tickets can be had of the secretary, T. E. Waters, 19 Randolph street. Trains will leave this city over the C., M. & St. P. R. R. from the Union depot at 9:30 a. m. and 12:40 p. m. Tickets will cost $1, which will include carfare both ways and coupons for 50 cents' worth of refreshments on the grounds. Children's tickets will cost 35 cents and will include railway fare and 10 cents' worth of refreshments. A ball game of two picked teams will be a feature of the day.

The club extends an invitation to all florists of nearby towns to join in the fun of the occasion.

At Pittsburg.

The florists' bowling club had a very pleasant time last Monday, Capt. Schulz's team defeating Capt. Doerr's hustlers three straights. The following are the scores:

	1st	2nd	3rd
Fred L. Schulz	153	142	156
William Walker	126	151	119
Joseph Wettle	137	113	109
Jacob Schulz	125	130	130
*Henry Fuchs	130	131	136
Total	671	667	650
James Doerr	139	122	147
John Hattinger	148	152	118
Brand	134	143	131
John Skrobanek	87	80	90
George Stark	139	146	107
Total	647	603	593

*Fuchs not in first game. Stark sold for 130.

GOOD CUT FLOWERS

In summer it is even more important than at other seasons that you order from those who have the facilities for supplying GOOD stock, for no other kind will pay to ship. Call on us—we have the best the season affords.

We handle **FANCY VALLEY** in large quantities daily. **FANCY FERNS,** new crop, specially good, $1.25 per 100.

A. L. RANDALL CO., Wholesale Florists,

L. D. Phone Central 1496.
Private Exchange all Departments,

19-21 Randolph Street, CHICAGO.

Chicago.

FAIR SUMMER TRADE.

Trade was not half bad for Fourth of July week. Usually this is anticipated as about the dullest time of the year. But the first three days of the month witnessed a better money return for the market this year than did those of last year. Stock also was somewhat scarce, which resulted in good clean-up sales. In the line of roses, Kaiserin, Killarney and good American Beauty were the best sellers. Roses are now at their lowest ebb as concerns quality, and a steady, though slow improvement is to be looked for from now on. Carnations are a small feature of the market these days, few good ones being cut. Those that can be secured of shipping grade are selling fairly well at quoted prices. Few Harrisii lilies are now seen, their place being largely taken by L. auratum. Good gladioli in the light colors are in good demand. Sweet peas are nearing their end. There is a big call for asters, but there are few good ones as yet in the market. Most of those seen are of short stems. Green stock is selling very well, the demand keeping up better than usual.

A NOTABLE WEDDING DECORATION.

Canger & Gormley, 27 State street, had the decoration on Wednesday last at Lake Geneva, Wis., on the occasion of the marriage of the daughter of C. R. Crane to Professor Bradley of the University of Wisconsin. On Monday a carload of palms, furnished by the Geo. Wittbold Co., was sent, and on the following day J. Canger and J. J. Gormley left to take personal charge of the floral work. The wedding took place on the lawn under an arch of Shasta daisies and Asparagus plumosus. Garlands of the same material formed the aisle which led from the house, 200 feet away. The bride carried a shower bouquet of white sweet peas, while the bridesmaids carried shower bouquets of pink sweet peas. The table was decorated with Cattleya Gaskelliana and dendrobiums.

NOTES.

Bassett & Washburn report having had a very heavy demand for their Easter lilies and that they are cut out for the present, but anticipate another crop by the middle of the month. They are now cutting some very fine auratum lilies.

James S. Wilson, the retiring superintendent of Vaughan's Greenhouses, was entertained at a farewell luncheon at the Union restaurant July 3 by J. C. Vaughan and others.

N. J. Wietor and John Sinner left July 6 for a fishing excursion among the small lakes of Wisconsin. W. J. Kidwell promises to join the party next week.

Radke & Vogt is the title of the retail firm at 4136 Cottage Grove avenue, succeeding Frank Vogt, who has maintained the place for the past five months.

Tickets for the Florists' Club picnic have been printed and may be purchased from T. E. Waters, secretary, or other club officers.

Frank Farney, traveling salesman for the A. L. Randall Co., is in from a fairly prosperous trip, and left Monday on his vacation.

Geo. Reinberg is cutting fine Richmond roses. The cool weather of last week helped materially to fully develop the buds.

The A. L. Randall Co. reports a better trade the first three days of July this year than for the same period last year.

The Kennicott Bros. Co. is receiving some very fine auratum lilies, also very good summer Bride and Bridesmaid roses.

Wietor Bros. are cutting fine blooms, with fairly long stems, from their young American Beauty plants.

Geo. E. Conomopoulus, of the Alpha Floral Co., left Tuesday for Des Moines and other western cities.

Jensen & Dekema's indoor aster plants are a fine sight and promise a good crop in another week or so.

Herman Schau, a grower of Morgan Park, has leased a stand on the Flower Growers' Market.

C. M. Dickinson, of E. H. Hunt's, goes to Wisconsin on his vacation this week.

Geo. Reinberg is cutting a limited quantity of Cattleya Gaskelliana.

E. C. Amling reports a good demand for his fine Shasta daisies.

Visitors: President Peterson of the Cincinnati Florists' Society, his topic the 1909 convention; Martin Reukauf, Philadelphia, Pa.; Dean O'Connell, of the Stuppy Floral Co., St. Joseph, Mo.; Paul C. Schulz, Vincennes, Ind.; C. H. Crabb, of Crabb & Hunter, Grand Rapids, Mich.; F. L. Tornquist, Benton Harbor, Mich.

"THE BUSIEST HOUSE IN CHICAGO."

J. B. DEAMUD CO.,
51 Wabash Avenue,
CHICAGO.

Chicago to Niagara Falls, N. Y.

F. F. Benthey, of the transportation committee of the Chicago Florists' Club, announces that arrangements have been completed with the Wabash R. R. as the official route from this city to the S. A. F. convention. The convention party will leave on Monday, August 17, at 3 p. m., and the fare for the round trip will be $19.50. The party will go direct to Niagara Falls, with the privilege of a 10-day stopover in that city. Those who wish can, without additional charge, take the Gorge route to Lewiston, and thence by boat to Toronto. Parties so desiring can, at Toronto, have their tickets exchanged for all rail, returning to Chicago via the Canadian Pacific to Detroit and thence by the Wabash.

LEMARS, IA.—John Atwood sustained a heavy loss June 22 by falling plaster in his store, which ruined a number of valuable plants.

LEXINGTON, KY.—E. Kinney, of the State Experiment Station, left July 1 for an inspection trip to the various nurseries of the state. This is a branch of work which is of vast importance to the people of this state and the trip will take about two months.

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.

Vaughan & Sperry,

Wholesale Florists,

56 and 80 Wabash Ave., CHICAGO

WRITE FOR SPECIAL PRICES.

Buffalo.

JULY STARTS WELL.

June ended in a blaze of glory from a florist's point of view, everyone being busy the last few days, and July has started in with good trade. This is funeral work. As to other parts of the business things are quiet. Vacations are in order now. Each store is working short handed.

NOTES.

The city forester has entered upon his new job and has a force at work spraying the city trees and from them to those on the streets owned by private parties. There was a question raised as to whether the city forester could enter private premises and spray trees that were covered with caterpillars, etc. The corporation counsel says no. Your correspondent made the inquiry in one of the best kept cities as far as trees and shrubs are concerned, namely, Toronto, and the law does not allow them to enter premises but it does compel owners to do it or have it done; either way is good. Probably the latter way is the better.

The death of Geo. Maltby, a marble dealer who built the McKinley monument in this city and Canton, also the beautiful Albright art gallery, died last Monday. The floral display was very large and beautiful, orders being sent from several cities and nearly all the local florists. The house arrangements were all in charge of S. A. Anderson.

Superintendent Keitsch of the convention at Niagara Falls is busy making arrangements and allotting space. It is safe to say that as far as he is concerned everything will be in readiness on the day the convention opens.

S. A. Anderson has a fine lot of gloxinias.

Visitors: Harry Balsley and Harry Breitmeyer, Detroit, Mich.

BISON.

Long Distance Phone Central 6004.

E. F. WINTERSON CO.

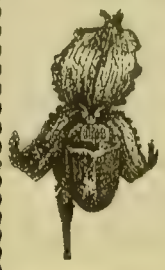
45-47-49 Wabash Ave., CHICAGO.

Wholesale Cut Flowers and Florists' Supplies.

ALL CUT FLOWERS IN SEASON

at Chicago market quotations. Consignments Solicited.

Chas. W. McKellar



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ORCHIDS
A Specialty

Fancy Stock in Violets, Valley, Roses, Beauties, Carnations and a full line of all Cut Flowers, Greens, Wire-Work and Florists' Supplies.

Send for Complete Catalogue.

Cut Flowers ⚜ **E. H. HUNT**

FOR ALL OCCASIONS.
FLORISTS' SUPPLIES TOO.

—SEND FOR PRICE LIST.—
76 Wabash Avenue, CHICAGO.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of **CUT FLOWERS**

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THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 Randolph Street, CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, July 8.

Rose, Beauty, extra fancy		4 00
" " 24 to 30-in. stems		3 00
" " 12 to 20-in. stems	1 50@	2 00
" " Short stems		1 00
" Killarney	6 00@	12 00
" Bride, Maid Ivory Gate	4 00@	6 00
" Liberty, Richmond	4 00@	8 00
" Chatenay, Perle	4 00@	6 00
Carnations	1 50@	3 00
Lilium Harrisii, per doz.	1 00@	1 25
Callas, per doz.	1 00@	1 25
Lily of the valley	2 00@	4 00
Gladiolus, per doz.	1 50@	2 00
Peonies, per doz.	40@	75
Snapdragon, per doz.	50@	75
Sweet peas	50@	2 00
Pansies	75@	1 50
Cornflowers	60@	75
Daisies white	75@	1 00
" yellow	1 00@	2 00
Smilax, per doz		2 00
Asp. Plu. & Sprengeri bunch		50
Asparagus strings, each		50
Adiantum, per 100	75@	1 00
Leucothoe sprays	60@	75
Ferns, per 1000		2 50
Galax, green, per 1000		1 00
bronze, per 1000		1 00
Boxwood, per bunch		35

KENNICOTT BROS. COMPANY,

Wholesale Cut Flowers.

48-50 Wabash Ave.,
CHICAGO.

L. D. Phone, Central 466.

Peonies Now
Price 3 to 6 cents.

We will have anything in the line of

Cut Flowers and Greens

that you may want if anybody has it, at Chicago market prices on day of shipment.

Poehlmann Bros. Co.

Wholesale Growers of
and Dealers in **Cut Flowers**

All telegraph and telephone orders given prompt attention.

Greenhouses: MORTON GROVE, ILL.
35-37 Randolph St. CHICAGO.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO
Telephone, Central 3284.

WEILAND & RISCH

Wholesale Growers and Shippers of
CUT FLOWERS
59 Wabash Ave., CHICAGO.
'Phone Central 879.
Write for our wholesale price list.
WHOLESALE FLORISTS

ROCKFORD, ILL.—Frank Fernback, who for the past nine years has been in charge of the Soper greenhouses on North Church street, has severed his connection and is now in charge of C. H. Woolsey's greenhouse business.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

—THE—
J. M. McCullough's Sons Co.
Wholesale Commission Florists.
CONSIGNMENTS SOLICITED.
Special attention given to Shipping Orders.
Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.
Price List on Application.
316 Walnut St., CINCINNATI, OHIO.
Phone Main 584.

Holton & Hunkel Co.
WHOLESALERS OF
CUT FLOWERS and SUPPLIES.
462 Milwaukee St.,
MILWAUKEE, WIS.

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations and all kinds of Seasonable Flowers in stock.
WM. F. KASTING CO. Wholesale Commission Florists.
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

Weiland & Olinger,
128 E. Third St., CINCINNATI, OHIO.
Wholesale Growers and Shippers of Cut Flowers.
Greenhouses, NEW CASTLE, IND.

Wholesale Flower Markets

St. Louis.

BUSINESS AND STOCK POOR.

Warm weather has prevailed all week and trade in general is very poor. The quality of stock is also poor and anything of fair quality finds ready sale. The demand is mostly for funeral work, which has been plentiful. Sweet peas are over, heavy rains shortening their season. Asters are slowly coming in, many of the growers complaining of rust. A few tuberoses are to be seen but not in sufficient quantity to be quoted. Shasta daisies are coming in with fine long stems. Good fancy ferns are now to be had.

NOTES.

Otto G. Koenig, secretary of the Horticultural Society, is seeking contributions to the premium list for the exhibition to be held the first week in November. Mr. Koenig is determined to improve upon the show of last year and prompt and liberal response is desired to that end. Care will be taken to secure a first class hall in the very best location.

John H. Kahrs and Vincent Gorley had a joint celebration at the garden in the rear of the store Thursday evening, July 2. Mr. Kahrs celebrated his thirty-fifth birthday and Mr. Gorley his departure for Europe this week. Among those present were Wm. C. Smith, Ed. Garlich, Otto Bruening and Frank Dwyer. A delightful evening was spent.

Final arrangements for the picnic will be announced at the next meeting of the Florists' Club. A large attendance is expected, as the picnic is very widely advertised and all florists are requested to close up at least half a day so that their employes may have an outing.

Andrew Hoffman, manager at Geo. Waldbart's, will go on a fishing tour next week. Andrew certainly deserves a rest as he has been very steady at the store during the past year, having charge during Mr. Waldbart's recent visit to Europe.

M. F. Widmer, Highland, Ill., paid us a visit with his wife and baby girl. He is making an addition to his plant and grows roses and carnations for home use.

It is rumored that Oscar Hurtemann, captain of the retailers' nine, will shortly be married. His lady being a great base ball enthusiast, Oscar will pitch his arm off picnic day to beat the wholesalers.

F. H. Weber will sail July 11 for Europe. He goes to visit his mother, also to join his wife, who left 10 days ago. Mr. Weber expects to return the latter part of August. Alex. P. Geranios will have charge during his absence.

Wm. C. Smith is working hard these days and doing double work owing to the absence of his partner, Will Osseck, who is away on his wedding tour.

The death of Julius Lesser, vice-president of the city council, caused a big demand here Monday, everything being cleaned out at time of writing.

Chas. Yuengel had a fire on the Fourth caused by a balloon falling on his greenhouses. Fortunately the damage was slight.

The E. G. Hill Co., Richmond, Ind., is shipping in some good carnations and roses H. G. Berning handling the stock.

Otto Bruening, with H. G. Berning, has left on a vacation. He will visit New York and other eastern resorts.

A. Goebel, Kirkwood, has completed one house, 32x125 feet, and has it planted with carnations.

M. M. Ayers & Co. will next week start to paint and remodel their store and greenhouses.

Adolph Brix and his daughter will leave shortly for Hot Springs to be gone a month.

Ostertag Bros. are out with a finely illustrated catalogue well arranged.

W. F.

BUFFALO, July 8.

Roses, American Beauty	3 00@25 00
" Bride, Bridesmaid, Meteor	3 00@ 8 00
Carnations	1 00@ 2 00
Lily of the valley	2 00@ 4 00
Smilax	15 00
Adiantum	50@ 1 50
Lilies	10 00@15 00
Galax, per 1000	$1 50
Ferns, per 1000	1 50
Mignonette	1 00@ 2 00
Daisies	50@ 1 00
Sweet peas	20@ 50
Asparagus Sprengeri, per bunch	25 50
Asparagus plumosus, per bunch	25@ 50

CINCINNATI, July 8.

Roses, Beauty	$1 00@$ 3 00
" Bride, Bridesmaid	2 00@ 4 00
" Richmond	2 00@ 4 00
" Golden Gate	2 00@ 4 00
" Ivory	2 00@ 4 00
Carnations	1 00@ 2 00
Lily of the valley	2 00@ 3 00
Shasta Daisies	50
Harrisii	10 00
Smilax	12 50@15 00
Asparagus plumosus and Sprengeri in bunches, per bunch 25c	
Eastern Ferns, per 1000	$2 00
Galax, Green and Bronze	$1 00
Sweet peas	50

ST. LOUIS, July 8.

Roses, Beauty, long stems	2 00@ 2 50
" " medium stems	1 50@ 2 00
" " short stems	3 00@ 6 00
" Bride	2 00@ 5 00
" Bridesmaid	2 00@ 5 00
" Chatenay, Richmond	2 00@ 5 00
" Killarney	2 00@ 5 00
Carnations, common	75@ 1 00
" best	1 50@ 2 00
Smilax	12 50
Asparagus Sprengeri	1 00@ 2 00
" cut sprays	1 00@ 2 00
Ferns, fancy, per 1000	$2 00
Lily of the valley	3 00
Sweet peas	15@ 25

MILWAUKEE, July 8.

Roses, Beauty	75@ 3 00
" Liberty, Chatenay	1 50@ 6 00
" Bride, Bridesmaid	1 50@ 6 00
" Richmond, Golden Gate	1 50@ 6 00
" Perle	1 50@ 6 00
Carnations	50@ 2 00
Smilax	$1 50 per doz.
Asparagus, sprays	3 00
" Sprengeri	2 00@ 3 00
Lily of the valley	3 00@ 4 00
Adiantum	1 50
Common ferns, per 1000	$1 50
Harrisii lilies	6 00@ 8 00
Sweet peas	25@ 50

Buffalo Cut Flower Co.
495 Washington St.,
BUFFALO, N. Y.
Long Distance Phones:
Bell Seneca 3762. Frontier 3607.
CARNATIONS, ROSES
and all other seasonable flowers on hand at all times.
—ALSO—
Wire Designs and Florists' Supplies

RICE BROTHERS
Wholesale Florists and Supplies,
115 N. 6th St., MINNEAPOLIS, MINN.
CUT FLOWERS received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities.

C. A. KUEHN,
Wholesale Florist,
1122 Pine St., ST. LOUIS, MO.
A Complete Line of Wire Designs

Wm. C. Smith & Co.
WHOLESALE FLORISTS,
Bell, Main 2018. Kinloch, Cent. 410.
1316 Pine St., St. Louis, Mo.

H. G. BERNING,
Wholesale Florist
1402 Pine St. ST. LOUIS, MO.

Traendly & Schenck,

WHOLESALE FLORISTS,

44 West 28th Street, Phones, 798 and 799. New York City.

Alexander J. Guttman,
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES, 1664-1665 MADISON SQUARE
ENOUGH SAID

New York.

TRADE VERY QUIET.

Yes, it is hot, but no hotter than in Chicago, Boston and other places that advertise themselves as summer resorts. Trade during the past week was very quiet, the people who remained in town being apparently more interested in fireworks and cooling drinks than in the wares of the florists. The club outing helped many of the wholesalers and their assistants in driving dull care away and there seems to be general satisfaction over its success. There is no large supply of any stock arriving, which is just as well as there is no great demand for anything. The hot wave has landed heavily on all stocks; even those that are supposed to be hot weather flowers have taken on a mushy and wilted appearance.

NOTES.

Chas. McCauley, for many years a trusted employe of the government at the propagating gardens, Washington, D. C., was in the city on July 5. "Mac," as he is affectionately termed by his Washington friends, is also secretary of the Washington Florists' Club, and is deservedly popular among the florists of the capital city. He believes that a good delegation will attend the S. A. F. convention from Washington.

Edward E. Bogan, a retailer of East Twentieth street, is one of the interesting members of the craft in this city. Though now 80 years old, or more, Mr. Bogan is hale and hearty and retains his faculties to a marked degree.

Harry Riedel, head salesman for A. J. Guttman, sailed for Europe July 1, to be absent about two months. A vacation has been due Harry since Christmas, being the fulfillment of Mr. Guttman's Christmas present.

D. J. Pappos has recently been doing very fine work in wedding decorations. His last large decoration was on June 30, practically closing the wedding season. In this he used a great amount of fine stock.

Reed & Keller have just placed on the market a striking novelty in the shape of a shower or cascade wreath, which is bound to attract the attention of designers.

We can supply fine halftone proofs of the Florists' Club outing at 40 cents each. See reproduction on page 1217.

Boston.

NOTHING DOING.

The flower market is in very poor condition just now, there being very little call for anything in flowers. Roses and carnations are poor and they are mostly bought up by street fakirs, or find their way to rubbish barrels. The summer dull season has quite set in in the stores.

Ransom & Co. are showing samples of all their new varieties of sweet peas in Galvin's Hamilton place window, quite near to both flower markets.

Galvin's windows on Tremont street look very cool and attractive with their fine display of water lilies.

B.

PORT CHESTER, N. Y.—The business conducted for many years by Emil Leonhard has been dissolved and a new firm, under the style of E. Leonhard & Son, has been established. Considerable increase in the volume of trade rendered this necessary.

Tel. 1009 Madison Sq. Established 1872

PERKINS & NELSON,

Wholesale Florists,

57 West 26th Street, Cor. 6th Avenue NEW YORK.

Wholesale Flower Markets

NEW YORK July 8.

Roses, Beauty, special	15 00	@20 00
" " fancy	8 00	@10 00
" " extra	4 00	@ 8 00
" " Nos. 1 2 and 3	50	@ 3 00
" Richmond	1 00	@ 3 00
" Kaiserin Special	4 00	@ 6 00
" Bride, Bridesmaid, Killarney Extra and Special	2 00	@ 4 00
" " No. 1		50
" " No. 2		25
Carnations, fancy		2 00
" common	1 00	@ 1 50
Lilies	3 00	@ 6 00
Lily of the valley	1 00	@ 3 00
Asparagus plumosus strings	25 00	@40 00
" per doz. bunches	2 00	@ 3 00
Smilax	8 00	@10 00
Cattleyas	35 00	@50 00
Gardenias	1 00	@ 5 00
Sweet peas.....per dozen bunches	25	@ 50
Snapdragon	1 00	@ 3 00
Gladiolus	2 00	@ 4 00
Centaureas	1 00	@ 2 00
Daisies	25	@ 30
Coreopsis	25	@ 30
Candytuft.....per dozen bunches	40	@ 50
Feverfew.....per dozen bunches	60	@ 75

FORD BROS.,

Receivers and Shippers of

Fresh Flowers

48 West 28th St., NEW YORK.

Telephone 3870-3871 Madison Square.

J. Seligman. Joseph J. Levy.

John Seligman & Co.

WHOLESALE FLORISTS,

56 West 26th Street, NEW YORK.
Opposite N. Y. Cut Flower Co.

Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best Prices. Satisfaction guaranteed. Tel. 4878 Madison.

ALFRED H. LANGJAHR

WHOLESALE FLORIST,

55 W. 28th Street, NEW YORK.

All flowers in season. Consignments of first-class stock solicited.

Telephones, 4626 and 4627 Madison Sq.

A. L. YOUNG & CO. Wholesale Florists
54 W. 28th St., NEW YORK. Consignments of Choice Cut Flowers Solicited. Prompt payments. Give us a trial. Telephone 3559 Madison Square.

FULTON, N. Y.—A certificate of incorporation of the Fulton Botanical Gardens has just been filed with the secretary of state. It is proposed to develop and sell herbs, plants and roots. The capital stock is $10,000, divided into shares of $100 each, and the directors are: I. C. Curtis, A. G. Gilbert, E. J. Penfield, Seymour Sheff and G. E. True.

Moore, Hentz & Nash,

Wholesale Commission Florists

55 and 57 West 26th Street,

Telephone No. 756 Madison Square. NEW YORK.

HORACE E. FROMENT

WHOLESALE COMMISSION.

American Beauty Roses a Specialty. Roses, Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square.

Walter F. Sheridan

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

39 West 28th St., NEW YORK

Young & Nugent,

Telephone, 2065-2066 Madison Sq.

42 West 28th St., New York
To out-of-town Florists: We are in the Heart of

And give Special attention to Steamer and Theater orders. Prompt deliveries and best stock in the market.

N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York.

Open for Cut Flower Sales at 6 o'clock Every Morning.

Desirable Wall Space to Rent for Advertising.

V. S. DORVAL, Secretary.

Samuel A. Woodrow

WHOLESALE

PLANTSMAN AND FLORIST,

53 W. 30th St., NEW YORK.

Out of Town Orders a Specialty.

Telephone 2083 Madison. Consignments solicited

— FLOWERS SHIPPED BY —

JOHN I. RAYNOR

Are the best product of the best growers for the New York Market.

Adiantum Croweanum sold here exclusively.

49 W. 28th St., NEW YORK

Telephone 1998 Madison Square.

SOCIETY OF AMERICAN FLORISTS

Diagram of Spaces for the Trade Exhibition in Cataract House, Niagara Falls, N. Y., August 18-22, 1908.

Twenty Thousand Square Feet of Floor Space.

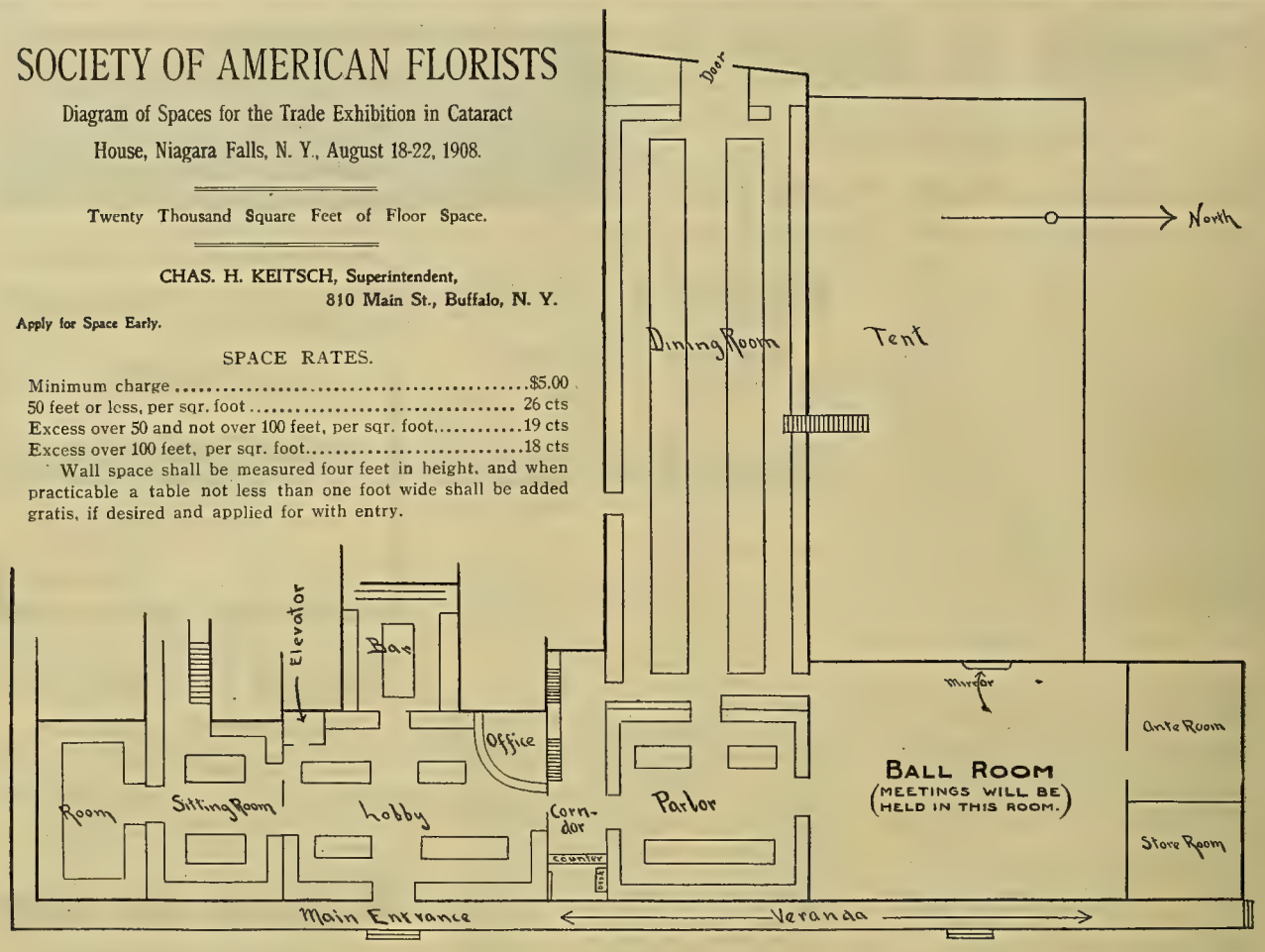
CHAS. H. KEITSCH, Superintendent,
810 Main St., Buffalo, N. Y.

Apply for Space Early.

SPACE RATES.

Minimum charge $5.00
50 feet or less, per sqr. foot ..... 26 cts
Excess over 50 and not over 100 feet, per sqr. foot ..... 19 cts
Excess over 100 feet, per sqr. foot ..... 18 cts

Wall space shall be measured four feet in height, and when practicable a table not less than one foot wide shall be added gratis, if desired and applied for with entry.



Philadelphia.

VACATIONS IN ORDER.

Business is now down to a summer basis; carnations are about done with the exception of a few white. All the tea roses are very small with prices accordingly. American Beauty is the only flower for important orders with the exception of orchids and lily of the valley which ignore weather conditions at all times. There is very little business, although it is quite as good as usual for the season, there being about the ordinary demand for funerals. Several weddings the last few days of June helped out and with the seashore trade about covers the ground. There is heat and more heat with lots of humidity and altogether we are very uncomfortable. Some of us try to get away from it.

FLORISTS' CLUB MEETING.

The feature of the July meeting of the Florists' Club which was held in the lower foyer of the hall, was the illustrated lecture by Arthur Cowee, the gladiolus specialist, on his favorite flower. The paper read was a very instructive and valuable addition to the literature of the gladiolus. The colored slides were the most beautiful example of such ever seen here, the colors of the flowers being so true to nature. Taken altogether it was a great pleasure for those present, the audience being comparatively small on account of the great heat now prevailing. Convention matters were discussed and it is thought that this city will send its usual large representation. E. A. Seidwitz of Baltimore, Md., was present and eulogized the street flower merchant as being a great factor in the handling and sale of flowers, in sowing seed that brought returns many times over later on.

NOTES.

Stephen Mortenson is adding largely to his range of glass; the section now under construction by the Lord & Burnham Co. under the direction of its local representative, D. T. Connor, is 50x300 feet. This addition of 15,000 feet does not now attract as much attention from the trade as a house 20x100 did 10 to 15 years ago, when 2,000-5,000 feet additions, it was thought by some, would certainly flood the already crowded market in the spring and fall. Thus do we grow.

H. Weiss & Son of Hatboro, whose large range is devoted to carnations, are now firm believers in the indoor culture and the houses are now filled with splendid looking stock, much of it as large as is often seen in the field in the fall. There are 9,000 Winsor, showing faith in this sterling variety. These and other growers ship their entire crops to the Leo. Niessen Co., from whom I received this progressive report.

The Jos. Heacock Co., having no more room to erect new houses, is taking down intervening walls and roofing over the spaces between the houses, also divisions that divided long houses into sections, so that a very large space is now under one roof, nearly all of which is to be devoted to Killarney rose, which variety proved a money maker for the company last season.

John McIntyre is laid up with pleurisy, for which trouble he blames an unwise visit to a cold storage plant. Quite a number of allied complaints have affected the members of the craft who, having occasion to visit these cool rooms on hot days, and tarry a little too long, have to pay for their indiscretion in colds or other troubles that sometimes take weeks to eradicate.

Beavis & Son are devoting their whole establishment, with the exception of two houses of Kaiserin, to Richmond, which was their star producer the past year. Bride and Bridesmaid were done exceptionally well for years by the Messrs. Beavis but the returns from the prize red were so much better that it is now crowned king with them.

Charles Fox of the Sign of the Rose sailed last Saturday for a trip through the European flower centers and will keep a sharp lookout for new ideas for his next season's trade. His souvenir postcard, bidding farewell to his friends in the business, made quite a hit.

The Leo. Niessen Co. is now receiving in quantity summer American Beauty roses with stems up to three feet in length, choice lily of the valley and cattleyas, which latter, by the way, are a bit scarce in this market.

The Robert Craig Co. is finding a good demand for Ficus pandurata at the seashore resorts, large shipments being made the past week to Newport, R. I., Atlantic City, N. J., and other like resorts.

Edward Towill's latest addition is a house, 35x150 feet, built by the King Construction Co. This is to be planted with American Beauty roses which variety Mr. Towill succeeds with admirably.

Edward Reiger of Twentieth street is booked for an early western tour with the Yosemite Valley as the destination. Edward is the best natured of the whole bunch.

Wm. McKissick is strong on eastern American Beauty roses, which sell very well, as it is now the only really choice rose in the market, the others being so small.

Thomas Mitchell, John Kelly, Wesley Clark and Wm. Barton, of the wholesale district, have taken to the woods and the shore for their summer vacation.

W. K. Harris has taken his family to his Ocean City cottage, where they will spend the summer.

John Westcott and family are spending a couple of weeks at Atlantic City.

Eugene Bernheimer and family are summering at North Wales.

K.

SUMMER BEAUTIES
Fancy Kaiserins,
Choice Valley,
——SOME OF OUR SUMMER SPECIALS.——

THE LEO NIESSEN CO.
WHOLESALE FLORISTS,
1209 Arch St., PHILADELPHIA, PA.

Everything Seasonable.
PITTSBURG FLORISTS' EXCHANGE, —15— Diamond Sq., Pittsburg, Pa.

AMERICAN BEAUTIES
Lily of the Valley, Carnations and all Tea Roses,
In lots of one hundred to one thousand. Phone or wire us.
WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

GRAFTED AND OWN ROOT ROSES
KAISERIN, CARNOT, KILLARNEY, RICHMOND, LIBERTY, BRIDE and BRIDESMAID.
—Send For Prices—
W. H. ELLIOTT. BRIGHTON MASS.

ALL KINDS OF
OUTSIDE FLOWERS
and Blossoms in Season.
JOHN W. McINTYRE,
1601 Ranstead St., PHILADELPHIA.

CARNATIONS in quantity. Special prices on large orders.
ABSOLUTELY THE BEST POSSIBLE SERVICE.
W. E. McKissick
WHOLESALE FLORIST.
Business Hours 7 a.m. to 8 p.m. 1619-1621 Ranstead St., PHILADELPHIA, PA.

J. J. Harty & Company
Wholesale and Commission
.FLORISTS.
1312 G St., N. W., Washington, D. C.
Phone Connection Main 5011

Albany, N. Y.

The Florists' Club held its July meeting on Thursday at the establishment of President Frederick Goldring at Slingerlands, a pleasant country village about eight miles southwest of the city. Over 40 members were present, the majority of whom arrived at the meeting place in two large carryalls. The party arrived a little late in the evening and only a hasty inspection was made of the 22 houses in which Mr. Goldring grows stock for the trade. In the fields, however, the members of the club found over 12,000 carnations of new varieties growing and nearly ready to be taken into the houses for winter flowering. Over 1,000 Crimson Rambler and Dorothy Perkins roses were growing around the establishment and all were in bloom, making a most attractive array. At the meeting, held in one of the large sheds, Fred A. Danker of the committee appointed some time ago to draft a circular on the care of plants for distribution to customers, reported progress. Mr. Danker read the contents of the proposed circular, after which a discussion was held at some length and suggestions offered.

Chas. Sanders, a practical grower of many years' experience, brought up the subject of yellows in asters. Fred A. Danker suggested that one way to overcome the disease is to select soil made from well rotted sod and plant the young asters in that. President Goldring suggested that the disease is to be found more frequently among the new varieties than among the old and well known sorts. It was the consensus of opinion that very little is known about the disease or its cause and that at present about the best thing that can be done is to plant the seedlings in new soil and to watch them carefully after that. At the next meeting it is proposed to look into the subject further and see if more information cannot be gleaned. The views of readers of the AMERICAN FLORIST will be read with interest by members of the club.

Some discussion was had on the subject of half holiday closing on Saturday afternoons during the summer. One or two members related their experience in the past and it was agreed that concerted action is necessary to make the movement a success. Wm. C. Kurth and Wm. J. Roche were appointed a committee to visit the retailers to induce them to act in the matter. The entertainment committee was instructed to look into the matter of holding a clam bake and outing some time during the summer and to report at the next meeting as to plans and cost.

Following the meeting, refreshments were served and a very enjoyable hour was spent on the wide lawn in front of the Goldring residence. For the occasion the lawn was lighted with many Japanese lanterns suspended from the wide branched white oak trees in front of the house. Following the evening's programme the members rode back to the city through a slumbering country district tired but well pleased with the outing.

R. D.

Wholesale Flower Markets

PHILADELPHIA, July 8.

Roses, Tea	4 00@ 6 00
" " extra	8 00@10 00
" Liberty	6 00@25 00
" Beauty, extra	20 00@25 00
" " first	10 00@15 00
Carnations	1 50@ 3 00
Lily of the valley	2 00@ 3 00
Asparagus, bunch	50 00
Smilax	15 00@20 00
Adiantum	1 00@ 1 50
Cattleyas	50 00@60 00
Lilium Harrisii	6 00@ 8 00
Mignonette	2 00@ 3 00
Sweet peas	50@ 75
Gardenias	15@ 25

PITTSBURG, July 8.

Roses, Beauty, specials	20 00@25 00
" " extras	12 00@15 00
" " No. 1	8 00@10 00
" " ordinary	4 00@ 6 00
" Bride, Bridesmaid	2 00@ 6 00
" Chatenay	2 00@ 6 00
" Richmond	2 00@ 6 00
" Perle	4 00
" Killarney	2 00@ 6 00
Carnations	1 00@ 1 50
Lily of the valley	3 00@ 4 00
Smilax	15 00
Asparagus, strings	50 00
" Sprengeri	3 00@ 4 00
Lilies	12 50
Adiantum	1 00
Cattleyas	75 00
Sweet peas	25 50
Gladiolus	3 00@ 4 00
Daisies	50
Coreopsis	50

BOSTON, July 8.

Roses, Beauty, best	15 00@20 00
" " medium	10 00@12 00
" " culls	2 00@ 4 00
" Bride, Bridesmaid	1 00@ 2 00
" Extra	4 00@ 8 00
" Liberty	8 00@12 00
Carnations	75@ 1 00
" Fancy	1 00@ 2 00
Smilax	8 00@12 00
Adiantum	75@ 1 00
Lilies	6 00@ 8 00
Asparagus	35 00@50 00
Harrissi	6 00@ 8 00
Callas	4 00@ 8 00
Narcissus	1 00@ 2 00
Sweet peas	35@ 50
Peonies	2 00@ 3 00

J. B. Murdoch & Co.
714 Penn Avenue,
PITTSBURG, PA.
All Seasonable Flowers.

Pittsburg Cut Flower Co.
(Limited)
WHOLESALE FLORISTS
222 Oliver Ave. PITTSBURG, PA.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

London, Eng.

COMMISSIONS CARRIED OUT IN LONDON

or any part of Great Britain.

Messrs. WILLS & SEGAR will attend to any commissions from American florists for the supply of Cut Flowers, Birthday flowers, Bouquets, High Class Floral Designs, etc. to their clients who may be traveling in England.

WILLS & SEGAR, Court Florists to His Majesty, The King.

ROYAL EXOTIC NURSERY.

TELEGRAMS Onslow Crescent, South Kensington,
FLOSCULO, LONDON. LONDON, ENGLAND.

Kansas City, Mo.

WILLIAM L. ROCK Flower Co.,

Will carefully execute orders for Kansas City and any town in

Missouri, Kansas or Oklahoma.

St. Louis, Mo.

Fred C. Weber,

FLORIST,

Established 1878. Bell, Lindell 676. 4320-4328 Olive St.

Baltimore.

TRADE STAGNANT.

The drouth continues, though there have been some spasmodic showers, very partial in their distribution and not at all sufficient to wet the parched earth to any depth. Outdoor stock is very scarce and very inferior. A few sweet peas and some poor Maman Cochet roses with achillea, about makes up the stock. Some gladioli arrived in fair condition, but the use to which they can be put, especially the darker sorts, is very limited. Trade is stagnant as is natural, and some of the summer stores will soon be closing. We are informed we were in error in saying the shipments of lily of the valley and American Beauty roses had been discontinued. They are still arriving and in such quantities that the market does not absorb them. Roses from indoors are unusually abundant for the season, but many are poor. Yet a larger proportion than usual are fairly good flowers and long stems. Carnations are scarce, that is of qualities that fill the requirements of the better trade, and many go to waste.

Notwithstanding generally unfavorable conditions and pecuniary stress the Florists' Exchange is reported by John J. Perry, the manager, to have done the largest six months' business of any corresponding period since its existence. Of course this involves a greater volume of business than the figures would represent in normal years, the average of prices being in almost all classes of products far below the average. This is very gratifying and shows some energetic measures have been taken to get business. S. B.

Detroit, Mich.

John Breitmeyer's Sons

Cor. Miami and Gratiot Aves.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Omaha, Neb.

Hess & Swoboda,

FflorISTS,

1415 Farnum St. TELEPHONES 1501 and L 1582

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in WISCONSIN.

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Telegraph Orders a Specialty. 218 W. 4th St.

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HOUGHTON & CLARK,

FLORISTS.

Telephone Connection. 396 Boylston St.

Seattle, Wash.

Woodland Seed & Floral Co.,

808 Second Avenue.

Will fill all orders for Cut Flowers, etc. for steamers for Japan and Alaska or any part of the Pacific coast. A. L. AABLING, Gen. Mgr.

Buffalo, N. Y.

Palmer's

W. J. Palmer & Son, 304 Main St.

MANCHESTER, MASS.—The annual rose and strawberry show of the North Shore Horticultural Society was held June 27 and the display was excellent, the flowers being picked and arranged to a large extent by North Shore ladies. Miss Helen Fitch had one of the most striking exhibits of the show. Her tall vase of Frau Karl Druschki roses won her first prize in the class for vase of roses of any variety arranged for effect. Her Ulrich Brunner won her second prize in the same class.

Brooklyn, N. Y.

Robert G. Wilson

Fulton St. and Greene Ave.

Greenhouses: Short Hills, N. J.

—Deliveries in—

Greater New York, Long Island and New Jersey.

Trade orders from all parts of the country filled for delivery at residence, steamer, hotel, or theater on wholesale basis. Satisfaction guaranteed. Wire or telephone.

Evansville, Ind.

—THE—

Wm. Blackman Floral Co.

402 MAIN STREET.

Prompt attention given to all mail, telephone and telegraph orders.

Galveston, Tex.

Mrs. M. A. Hansen

—FLORIST—

Special attention to Telegraph or Telephone orders. 'Phone 1912.

St. Paul, Minn.

HOLM & OLSON,

ST. PAUL.

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in MINNESOTA AND THE DAKOTAS.

Rochester, N. Y.

J. B. KELLER SONS,

FLORISTS,

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Rochester Phone 506. Long Dis. Bell Phone 2189.

Washington, D. C.

Blackistone

14th and H Streets

New Orleans

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. **VIRGIN,** —838— CANAL ST.

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address: "Daniels, Denver."

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

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Established in 1857.

Wittbold FLORIST

1657-1659 Buckingham Place,
L. D. Phone 558 Lake View.
Send us your retail orders.
WE HAVE THE BEST FACILITIES IN THE CITY

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland,
FLORIST,
60 KEARNEY STREET.

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Mrs. Ethel M. Taylor

THE HONOLULU FLORIST,
Alexander Young Hotel Building,
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Cable address, "Florist." Telephone 339.

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The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

New York.

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Phone 5297 Plaza.

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FLORISTS
1214 F ST. N.W.
WASHINGTON, D.C.

WASHINGTON D. C.
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Gude's.

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WRITE, WIRE OR PHONE YOUR ORDERS TO
YOUNGS,
1406 Olive Street.
Regular discount allowed on all orders, either Plants or Cut Flowers.
Phones Bell, Main 2806. Kinloch, Central 4981.

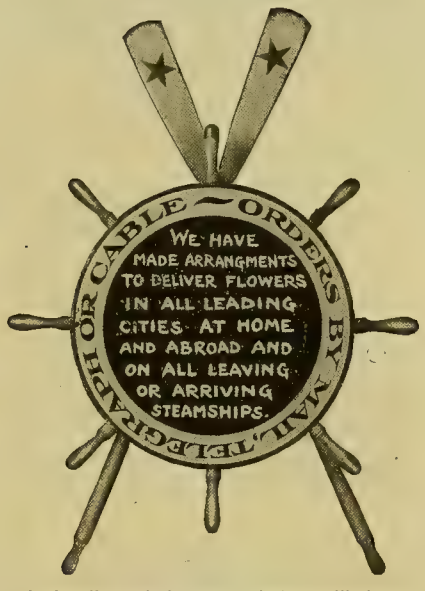
Dayton, O.

Matthews,
—FLORIST—
16 W. 3rd Street.
Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones

KANSAS CITY AND VICINITY!
The Leading Florist
MISSOURI
ALPHA
Six Refrigerators always overflowing with Great Assortment.
ALPHA FLORAL CO.
1105 Walnut St.,
KANSAS CITY, MO.

Atlanta, Ga.

ATLANTA FLORAL CO.
41 PEACHTREE STREET.



A sign like this in your window will draw good business now.

Steamship Sailings.

WEEK ENDING JULY 18.

July 14, Ivernia, Boston-Liverpool.
July 14, Saxonia, Liverpool-Boston.
July 14, Kronprinz Wilhelm, New York-Bremen.
July 14, Kaiser Wil. der Grosse, Bremen-N. Y.
July 15, Lusitania, New York-Liverpool.
July 15, Adriatic, New York-Southampton.
July 15, Oceanic, Southampton-New York.
July 15, Ryndam, New York-Rotterdam.
July 15, Cassel, Baltimore-Bremen.
July 16, Carpathia, New York-Trieste.
July 16, La Bretagne, New York-Havre.
July 16, Canada, Liverpool-Montreal.
July 16, Cedric, New York-Liverpool.
July 16, Celtic, Liverpool-New York.
July 16, Kaiser Augusta Vic., N. Y.-Hamburg.
July 16, Grosser Kurfuerst, New York-Bremen.
July 16, Main, Bremen-Baltimore.
July 16, Menominee, Antwerp-Boston.
July 17, Victorian, Montreal-Liverpool.
July 17, Virginian, Liverpool-Montreal.
July 17, Laurentian, Boston-Glasgow.
July 17, Numidian, Glasgow-Boston.
July 18, St. Louis, New York-Southampton.
July 18, Philadelphia, Southampton-New York.
July 18, Umbria, New York-Liverpool.
July 18, La Touraine, Havre-New York.
July 18, Ottawa, Montreal-Liverpool.
July 18, Cymric, Boston-Liverpool.
July 18, Republic, Liverpool-Boston.
July 18, Sicilian, Montreal-London.
July 18, Pomeranian, London-Montreal.
July 18, California, New York-Glasgow.
July 18, Columbia, Glasgow-New York.
July 18, Patrica, Hamburg-New York.
July 18, Koenig Albert, New York-Genoa.
July 18, Barbarossa, Bremen-New York.
July 18, Zeeland, New York-Antwerp.
July 18, Kroonland, Antwerp-New York.

Indianapolis, Ind.

Bertermann Bros. Co.
FLORISTS
..... 241 Massachusetts Ave.

Albany, N. Y.

EYRES
Flowers or Design Work.
DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.
11 NORTH PEARL STREET,

Denver, Colo.

The Park ...Floral Co.
J. A. VALENTINE, President.

Philadelphia, Pa.

Robert Kift,
1725 Chestnut Street.
Prompt and Careful Attention given to all Mail and Telegraph orders.

Kansas City, Mo.

GEO. M. KELLOGG,
906 Grand Avenue,
KANSAS CITY and PLEASANT HILL, MO.
Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

Chicago.

HAUSWIRTH FLORIST
M. C. and J. E. Hauswirth.
Auditorium Annex.
Mail, telegraph or telephone orders filled promptly in best style.

Louisville, Ky.

JACOB SCHULZ,
644 FOURTH AVENUE.
Cut Flowers of BEST QUALITY in season, delivered promptly to any address.
Write, Telegraph or Telephone
Cumberland and Home Phones 223 and 984

The Seed Trade.

American Seed Trade Association.

Watson S. Woodruff, Orange, Conn., Pres.; J. C. Robinson, Waterloo, Neb., First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-seventh annual convention, June, 1909.

Two Per Cent, Not 98 Per Cent Pure.

Are God and nature then at strife,
That nature lends such evil dreams?
So careful of the type she seems,
So careless of the single life;

That I, considering everywhere
Her secret meaning in her deeds,
And finding that of fifty seeds
She often brings but one to bear.
—TENNYSON.

EARLY seed potatoes in the Red River Valley are reported as very promising.

ONION SET crops around Chicago show considerable improvement in the last two weeks.

WE can supply fine halftone proofs of the Detroit convention group at 40 cents each. See reproduction on the opposite page.

THE market gardeners in the middle west have a considerable acreage of onions for seed. The crop at present looks fine.

FOREIGN seed travelers report large spot sales for beet. Detroit, Crosby and Crimson Globe promise to be very short and large dealers are covering.

BULBS IN ENGLAND.—The plowing up of bulbs has begun in the Wisbech and Spaulding districts and the bulbs are turning out much heavier than last season.—S.

THE new pea Laxtonian, which has been carefully tested by American experts two years, gives every indication that it will become a standard variety in this country.

ROMAN HYACINTHS, according to reports dated June 26, do not seem to be as good as those of last season and as a whole the bulbs are not so large this year as they were in 1907. This also applies in greater degree to Paper White narcissi.

KENTUCKY BLUE GRASS for immediate delivery experienced a big drop this week owing to the unloading of large lots by the combine. The market closed Saturday at Chicago large lots $16.50. Monday the price was $8.50, 19 pounds 1907 seed.

CHICAGO.—Grass seed prices on the board of trade July 8 were noted as follows: Prime timothy, $4.10 (nominal); choice white clover, $15.—J. C. Vaughan was one of the numerous members of the Iroquois club who left Sunday forenoon for Denver. Mr. Vaughan will return by way of Minneapolis, staying over there a few days with Mrs. Vaughan.—Peter Hollenbach returned Monday from Mackinac, Mich., whither he had gone from the seedsmen's convention at Detroit.—Visitor: H. A. Johns, Sioux City, Ia.

Braslan Seed Growers' Co.

Growers for the Wholesale Trade Only.

SAN JOSE, CAL.

President Woodruff.

Watson S. Woodruff, the newly elected president of the American Seed Trade Association, was born at Orange, Conn., April 8, 1869. His father, Stiles D. Woodruff, was one of the pioneer seed growers of Connecticut, starting in the seed growing business on his return from the Civil war in 1865.

Watson S. Woodruff graduated from the New Haven high school in 1889 shortly after which he went actively into the seed business, associating himself with his father and his brother Frank C. Woodruff under the firm title of S. D. Woodruff & Sons. Mr. Woodruff married Harriet Hotchkiss January 4, 1893, and to them has been born five children, three girls and two boys, all of whom are living.

Stiles D. Woodruff died in April, 1906, and the present firm of S. D. Woodruff & Sons is made up of Frank C. Woodruff and Watson S. Woodruff. The firm makes a specialty of market gardeners' seeds, and does a large growing and wholesale business as well. The firm operates at Orange, Conn., and 82 Dey street, New York, with a branch also at Queens, L. I., N. Y.

California Seed Crops.

June 27.—John Bodger & Sons write: "Sweet peas are now being harvested, and although ours have done well for a bad season, with no spring rains, many varieties will fall very short of a full crop, and of the most popular varieties, of which we booked up close in the early part of the season, we will fall short on our contracts. Singularly the earliest planted are turning out less than those planted later, as we had a very dry blasting wind in March, which stagnated the growth of the most forward ones, while it did not injure the later planted. On the whole we hope to harvest a little over half a crop.

"Asters and other flowers are fairly good. Tomatoes, on account of the cold nights during the past month, have not made much growth, but are starting out now with the warmer weather; too early to give any idea of crops."

German Flower City.

ERFURT'S SEED AND PLANT INDUSTRY.

Writing from Weimar, Consul Will L. Lowrie says that Erfurt, a thriving commercial city of southern Prussia, with more than 100,000 inhabitants, is known throughout Germany as the flower city. It has a world-wide reputation for flower and farm seeds and plants, the trade in which the consul portrays as follows:

The declared exports of these products to the United States in the last 10 years amounted to $561,741, last year's shipments being worth $53,888. The origin of the industry dates from the tenth century, and it was developed by the monks of the Peters monastery. The growth to the present large proportions is of much more recent date. Since 1880 the business of raising flower and garden seeds and plants in Erfurt has increased rapidly, until it is now five times as large as it was a quarter of a century ago. When the land failed to produce good wine grapes, the people turned their attention to the seed industry as a means of saving their waning fortunes. In former years the hills about Erfurt and Jena were famous for their vineyards. The wine was sold mostly at Weimar, about halfway of the distance between those two cities, giving this place its original name of Weinmarkt, which was changed later to Weimar.

EXTENT OF INDUSTRY—WAGES PAID.

The soil about Erfurt is especially adapted to the culture of vegetables and plants. It is deep, rich, and well watered. The annual rainfall is heavy, and the surrounding hills afford good protection from the cool winds which sometimes sweep down from the Thuringerwald. There are 108 concerns engaged in the seed industry, also 35 seed exporters and 24 florists. An idea of the extent of this business may be gained from the area of glass employed. The total is 113,735 square meters (square meter=10.764 square feet), of which 30,867 square meters cover propagating houses, and 82,858 square meters are used over specially fertilized beds. Nearly 3,000 people are employed in various capacities.

While there are no statistics available in regard to the total annual output of the Erfurt seed and plant concerns, a single firm produces each year 70,000 to 80,000 cyclamens, 400,000 lily of the valley, 60,000 apple sprouts (in pots), 20,000 pear sprouts, 10,000 plum, apricot, peach, and quince sprouts, 30,000 strawberry plants, 300,000 short-stemmed and 40,000 long-stemmed roses. This concern has a dozen large greenhouses and salesrooms, packing rooms, blacksmith shop, carpenter shop, and bindery where the cut flowers are arranged and the dried plants and mosses are put together in wreaths or bundles. Garden products raised in Erfurt may not be peddled in the city. This business is mostly of an export nature to various parts of Germany. The annual shipment of cauliflower amounts to 6,600,000 pounds.

Compared with the standard in the United States, the wages in Erfurt are small. A superintendent receives annually 3,000 to 4,000 marks (mark=23.8 cents), a technical man 2,000 to 3,500 marks, office superintendent 900 to 2,000 marks. Experienced workmen are paid weekly and receive 800 to 1,800 marks a year. Inexperienced men receive 800 to 1,000 marks and the same class of women labor for from 500 to 600 marks. Women employed in the binderies are paid 700 to 800 marks a year. Office men work from 7 to 12 a. m. and from 2 to 6 p. m. The working hours for the other employes are, in summer, 6 a. m. to 7 p. m.; winter, 7 a. m. to 7 p. m.; rest periods are one-half hour for second breakfast (Germans take only coffee and rolls early in the morning and eat a heartier meal later on), one and a half hours at noon, and a half hour at vespers.

GARDEN LAND—VARIETIES OF SEEDS.

About 2,000 acres of land in the city and the immediate vicinity are devoted to gardens. This land is owned by the crown, the city, and private individuals. It is leased to the various concerns at rentals depending on the location and on the productiveness of the soil. Owing to the rapid growth of the city, which rivals the percentage of a western boom town in the United States, quite an area of the best garden land has been plotted into city lots and is fast being covered with fine villas and houses.

The cultivation of the gillyflower in Erfurt dates from 1810. It first appeared in the window of a citizen, and from this one pot hundreds of thousands of these flowers have been propagated. The estimated annual production is 680,000 plants. To the same extent, or nearly so, is the cultivation of the calceolaria, verbena, petunia, gloxinia, zinnia, pansy, carnation, balsam, phlox, hollyhock, pelargonium, fuchsia, azalea, etc., in almost endless variety. It is estimated that the annual output of flower seeds is not much under 1,000,000 marks ($238,000). Vegetable and farm seeds are cultivated in large quantities and in great variety. Among them are included 101 kinds of peas, 168 of beans (700 bushels shipped this year to Boston to help make up the deficit in its staple food), 269 varieties of kitchen herbs, 38 kinds of radishes and 30 of other roots, 34 of onions, etc., 65 of grass for fodder, 30 of clover, 320 species of potatoes. There are 1,542 varieties of vegetable seed cultivated in Erfurt.—Consular Trade Reports.

SEEDSMEN AT THE DETROIT CONVENTION, JUNE 23-25.

Seed Beans

F. L. HOGUE,

CARPINTERIA, CAL.,

Grower for the Wholesale Trade only.

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower

Specialties: Lettuce, Onion, Sweet Peas, Aster Cosmos, Mignonette, Verbena, in variety.
Correspondence solicited.

Rogers Brothers,

SPECIALTY GROWERS.

Purest Strains GARDEN PEA and BEAN SEED.

For the Wholesale Trade. **ALPENA, MICH.**

CAULIFLOWER CABBAGE SEED

HJALMAR HARTMANN & CO.

31 Barclay St. NEW YORK. | 12 Stormgade, COPENHAGEN, DENMARK

S. M. ISBELL & CO.

JACKSON, MICH.

Contract Seed Growers,

Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.
Correspondence Solicited.
Write for Prices on Surplus Stocks for Immediate Shipment.

Stokes' Standard Pansy Seed.

Stokes' Standard Mixed Pansy

Is the finest strain of Giant Pansies it is possible to produce. It is a blend of all that is finest in Pansies from France, England and Germany. It is absolutely unrivaled in range of magnificent colors, size and substance.
Trade pkt. (2000 seeds) 50c. ⅛-oz 85c; ½-oz. $3 25; 1-oz $6 00; ¼-lb. $20 00.

Kingly Collection of Giant Pansies Mixed

A most excellent strain, the same as has been sold for years by the late firm of Johnson & Stokes and has given great satisfaction

Price ½ trade pkt. 30c; trade pkt. (2000 seeds) 50c; 5000 seeds $1.00; per oz. $5.00; per ¼-lb. $14.00.

SEND FOR SPECIAL PANSY CIRCULAR.

FRENCH and DUTCH BULBS in Season. GET PRICES.

STOKES' SEED STORE,

219 Market Street, PHILADELPHIA, PA.

PANSY SEED

In separate colors and the finest mixture, embracing every conceivable shade and marking and largest flowers.
Mail card for descriptive price list.

FRANCIS BRILL,

HEMPSTEAD, NEW YORK.

Roemer's Superb Prize Pansies

The Finest Strain of Pansies in the World. Introducer and grower of all the leading novelties. Highest award, International Exhibition, Dusseldorf, 1905. Catalogue free on application.

Fred Roemer, Seed Grower, QUEDLINBURG, GERMANY

H. H. Lilly Co.

SEATTLE, WASH.

Growers of

Puget Sound Cabbage Seed.

The American Florist Company's DIRECTORY

Contains the names and addresses of all the Florists, Seedsmen and Nurserymen in the United States and Canada. **Price $3.00.**

AMERICAN FLORIST CO.,
324 Dearborn Street. CHICAGO

MARKET GARDENS.

In the Kaw valley in Missouri the potato crop has been reduced 50 per cent.

THE end of June showed a great demand for tomatoes in Cincinnati, O., Tennessee stock selling around 75 cents per crate.

IT is estimated that about 1,200 acres of onions are standing well in the Sciota valley, Ohio. A far larger acreage was planted, but deep sowing, cut worms and other causes have led to a thin stand in some places and total loss in others.

Summer Treatment of Cucumbers.

Many growers have learned how to produce a good crop of cucumbers under glass, yet some do not succeed in holding up such a crop and lose the whole thing when about half way through for which there is no need. There are several causes. The worst one is probably red spider. The second, lack of water at the roots, deep down. The third may be too high temperature and light and dry atmosphere; still another is starvation. When a house of cucumbers is in full crop, there is an enormous demand upon moisture and fertility. It is a case of water and feed. Dig down in several spots and find out conditions a foot or so under the surface.

Red spider is hard to fight after it gets a hold. Shade the house lightly with a spray pump; damp the walks and ends several times a day, and every clear morning syringe the foliage from below with as much force as the leaves will stand and use cold water. Stale warm water is not desirable for this purpose. Here is where our mechanical watering is a little lame; a good man with a good hose and fair pressure will soon move the spider where the overhead mechanical spray is hopelessly ineffective. Cucumber growers should not depend upon the overhead water system entirely—use it as a help. Then there are some men who advanced from lettuce growing to cucumber forcing, who do not know red spider. They should call on some good florist and get posted. Very often the midsummer crop sells well and costs little to produce. MARKETMAN.

The Asparagus Beetles.

These destructive insects are discussed by F. H. Chittenden in a circular issued by the bureau of entomology, Department of Agriculture, Washington, D. C. The author notes that the asparagus was cultivated in this country for 200 years before being troubled with any insects, and the beetles that are now attacking them are, he considers, importations from Europe. The common species, Crioceris asparagi, appeared first at Astoria, N. Y., and soon spread to the extensive asparagus plantations at Queens county, where in 1862, two years after its introduction, it did damage estimated at $50,000.

This beetle works mischief both to the young shoots, rendering them unfit for market, and the old growth, which it destroys by defoliation. It has since greatly enlarged its field of destruction and is known in most parts of the United States and Canada. It passes the winter in the adult state in piles of brushwood or rubbish or under loose bark on trees and fence posts, the beetles issuing in May and June, laying eggs which hatch out in a few days, the grubs starting to feed at once. Hand picking is of value in small beds, and chickens and ducks are also helpful. Lime and pyrethrum dust destroy all insects with which they come in contact, if dusted on the stems when wet with dew. Arsenate of lead at the rate of one pound to 16 gallons of water, used as a spray, is also recommended, as well as brushing the beetles off the stems and allowing the heat of the earth in the summer to kill them.

The other beetle described is the twelve-spotted beetle (Crioceris duodecimpunctata), a rarer and less destructive insect. Its depredations are chiefly confined to the injury of the young shoots in spring by the hibernated beetles. Later generations attack the foliage, living, for part of the larval stage, in the ripening berries. This beetle first appeared in the vicinity of Baltimore and is now well distributed over the United States and Canada. The same remedies as for the common beetle are recommended, except the lime, and the collection and destruction of the ripened berries is also advised.

Potatoes Scarce.

Owing to the heavy rains and washouts in Oklahoma, Texas and Kaw valley, potato shipments ceased, and western buyers came east and gathered in the best of the Virginia stock, says the Country Gentleman. New York was neglected, and her supply was so short that prime stock readily brought $3.50 a barrel. Last year old stock kept prices down in June as low as 30c a bushel. At Cape Charles, Va., one day 7,000 barrels went west, price paid being $3.25 to $3.60.

TO THE TRADE

HENRY METTE QUEDLINBURG, GERMANY.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: **Beans**, Beets, Cabbages, **Carrots**, Kohl Rabi, Leek, Lettuces, **Onions**, **Peas** **Radishes**, Spinach, Turnips, Swedes, **Asters**, Balsams, Begonias, Carnation Cinerarias, Gloxinias, Larkspurs, Nasturtiums, **Pansies**, Petunias Phloxes, Primulas, Scabious **Stocks**, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, mixed), the most perfect and most beautiful in the world, $5.00 per oz.; $1.50 per ¼ oz.; 75c per 1-16 oz. Postage paid, Cash with order.

All seeds offered are grown under my personal supervision on my own grounds of more than 3,000 acres, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

List of my novelties in flower seeds for 1908 sent on application.

MUSHROOM CULTURE

The Most Profitable Outdoor Industry Known.

If you want a really successful crop of

MUSHROOMS

USE ONLY

Johnson's Improved

MUSHROOM SPAWN

Which Is Scientifically Inoculated with Virgin Spawn.

JOHNSON'S, LTD., are thechief makers of Mushroom Spawn and growers of Mushrooms in England, and they recommend this season's improved spawn as being in better condition than ever.

Correspondence invited for OVER-SEA ORDERS. Prices and particulars on application.

NOTE THE ADDRESS:

JOHNSON'S, LTD.,

44 Bedford Row, London W. C., Eng.

MUSHROOM SPAWN

Barter's Prolific

This season beats all records, the last four gatherings from test beds:

May 2nd ....1500 lbs.
May 9th ..... 1913 lbs.
May 16th ....1748 lbs.
May 23rd ... ... 2680 lbs.

Wholesale only. 100 bushel lots
For prices, f. o. b. London, write to

JOHN F. BARTER, Ltd.

Napier Road,
WEMBLEY, ENGLAND.

FLORISTS have a splendid opportunity of raising **Mushrooms** by utilizing the **waste space** under the benches, and then utilizing the **waste material** of expended mushroom beds in growing flowers. **Lambert's Pure Culture MUSHROOM SPAWN**, the best spawn in the market, is sold by all leading seedsmen. A fresh sample brick, enough for a trial bed, together with illustrated book on "Mushroom Culture," will be mailed postpaid upon receipt of **40c** in postage stamps. Address **American Spawn Company, St. Paul, Minn**

PLANTS PLANTS

500,000 Celery Plants.

White Plume, Winter Green, Giant Pascal, Perle le Grand, Many Heart, $2.00 per 1000.

JESSE HILLBORN, Newtown, Pa.

Prices of Indoor Vegetables.

The prices of indoor vegetables at leading points July 4 were as follows: New York, cucumbers, $1 to $2.25 per box. Chicago, mushrooms, 35 cents to 45 cents per pound. Cincinnati, mushrooms, 50 cents to 60 cents per pound.

NEWELL, W. VA.—Chas. Cassiere, who lately resigned his position with the Lake Newell Floral Co., left July 1 for his home at Chicago, where he has accepted a position. Mr. Cassiere is succeeded by Albert E. Radke, of Pittsburg, who, with his family, has removed to this city.

Lilium Harrisii

We offer a selected stock of the original true Harrisii for early forcing. These bulbs have been grown from the original pure Harrisii, and will be found to be splendid stock for early forcing, for which purpose Harrisii is so valuable. We have had the stock inspected, and are assured that it is almost absolutely pure and almost entirely free from disease. This is not stock picked up indiscriminately from different sources, but is grown from one stock, and will be found very superior to the ordinary Harrisii usually offered, both in regard to freedom from disease and purity, and not the late type now so often furnished.

Lilium Harrisii has been deteriorating slowly for years, and in order to get back to the true type of the original Harrisii, we have had our stock grown from the original pure stock, and it will be found very superior to the Lilium Harrisii usually offered. While the stock is A No. 1, our prices are as low as, or lower than, the prices asked for indifferent stock. We have only a limited quantity of this stock to offer, so it will be advisable to place order without delay in order to ensure securing this stock. Bulbs ready for delivery middle to last of July:

6.7 in. bulbs, 350 to the case, $6.00 per 100; $ 50.00 per 1000
7-9 in. bulbs, 200 to the case, 9.00 per 100: 80.00 per 1000
9-11 in. bulbs, 100 to the case, 18.00 per 100; 170.00 per 1000

Full case lots at thousand rates.

Freesia Refracta Alba Bermuda grown, finest selected bulbs ½-in. up, $1.00 per 100: $ 7.50 per 1000
French grown, mammoth size, ¾-in. up. $1.50 per 100; $12.00 per 1000

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

MICE PROOF SEED CASES

SEND FOR BOOKLET.

HELLER & CO., Montpelier, O.

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,

Successors to L. K. Peacock, Inc. ATCO, N. J.

Lily of the Valley

MANN'S EXCELSIOR

Are the finest in existence and their flowers bring the best prices in the London market.
For quotation please apply to

OTTO MANN, Leipzig, Saxony, Germany

Western Headquarters For

Finest Cold Storage Valley Pips.

$14.00 per 1000; $1.75 per 100.
Every case guaranteed.

Fancy Cut Valley Always on Hand.

H. N. BRUNS,

1407-1411 W Madison St. CHICAGO

Pittsburg.

Although there is not much business to report, every one is well satisfied as the quality of stock in general is so poor that one hates to touch it. Lilies, lily of valley and Kaiserin roses are the only flowers that show good form. Carnations are practically over with and asters are not in yet. A few outdoor gladioli are showing up in colored stock.

C. Betcher, Canal Dover, O., sent the first lot of outdoor gladioli to The Pittsburg Florists' Exchange July 4; E. J. McCallum of the latter firm left for the east on the same date.

J. B. Murdoch & Co. report a very satisfactory business in lily of the valley for June.

Karl Klinke, of The Pittsburg Cut Flower Co., left for the east July 6.

J.

Primroses

	Per 100
Chinese, single fringed, Aug. 1	$ 2.00
Obconica Alba Rosea, Aug. 1	2.00
Gigantea and **Kermesina**, Aug. 1	3.00
Forbesi "Baby," ready	2.00

Pansy Seed

	Per 100
Giant-flowering, ready ....oz., $4.00	
Asp. Plumosus, 2¼-in. pots	$ 2.00
Asp. Sprengeri, 2¼-in. pots, Aug. 1	1.50
Smilax, 2¼-in. pots	1.25

Cash. **JOS. H. CUNNINGHAM, Delaware, O.**

ASPARAGUS PLUMOSUS NANUS SEED

Fresh, 95% Germination.

Reduced on account extra large crop,..............$1.50 per 1000. Large lots less.

DRAKE POINT GREENHOUSES, Yalaha, Florida.

GIANT PANSY SEED
THE KENILWORTH STRAIN

is unsurpassed; the immense flowers of 3½ to 4-in. are of the most beautiful, varied, velvety colors and good substance; it is the result of years of selection. It also embraces the largest and best of the English, French, German and American strains. The stock plants are selected from many thousands of blooming plants grown for market.
New seed ready.
1000 seeds, 25c., 2000, 40c., ⅛-oz. 75c., ¼-oz. $1.40. 1-ounce $5.00.

Chas. Frost, Kenilworth, N. J.

FISCHER'S GRAND FREESIA
PURITY.

The magnificent giant, white Freesia, when once tried, will always be grown. Write for prices. Delivery in July.

RUDOLPH FISCHER,

SANTA ANITA, CAL.

Lilium Philippensis

$2.75 per 100; $25.00 per 1000

MANGOWOOD FLORAL CO.,
MANILA, PHILIPPINE ISLANDS.

ESTABLISHED IN 1824.

Bridgeman's Seed Warehouse

RICKARDS BROS., Props.,

37 East 19th St., bet. Broadway and 4th Ave., **New York**

Telephone: 4235 Gramercy.

Proceedings

Of the Congress of Horticulture held at the Jamestown Exposition, September 23, 1907.

Linen Bound. 108 pages. Price 25c.

This publication includes the formal adddresses and discussions of the papers read at the meeting which covered the various phases of Horticulture This meeting was pronounced by Horticultural authorities as one of the greatest Horticultural meetings ever held in a single day. For copies address

H. C. IRISH, Secretary

National Council of Horticulture, Missouri Botanical Garden, **St. Louis, Mo.**

RIDGEFIELD, CONN.—Geo. I. Haight has closed out his place of business on West lane. His greenhouses have all been removed and he will superintend the erection of his new greenhouses this summer, on Danbury avenue.

CHATHAM, N. J.—A slight fire occurred in the greenhouses of J. R. Littlejohn, June 26, caused by a spark from a passing locomotive.

The Nursery Trade

American Association of Nurserymen.
J. W. Hill, Des Moines, Ia., President; C. M. Hobbs, Bridgeport, Ind., Vice-Presdent; George C. Seager, Rochester, N. Y., Sec'y. Thirty-fourth annual convention to be held at Rochester, N. Y., June, 1909.

UPWARDS of 2,425,000 trees have been planted in Pennsylvania by the state since it undertook tree planting on an extensive scale.

ATLANTA, GA.—P. J. Berckmans Co., Augusta, has been given the contract for beautifying the grounds around the academy for the blind.

THE landscaping of the grounds of the Alaska-Yukon-Pacific exposition has been begun and the site is beginning to take on the appearance it will have in 1909.

AUSTIN, TEX.—Fourteen acres of the battlefield of San Jacinto will be purchased by a commission appointed by Governor Campbell and the tract will be known as the San Jacinto State park.

NEWARK, N. Y.—C. W. Stuart, of C. W. Stuart & Co., met with a painful accident June 25 while out driving. A runaway horse collided with the buggy in which he was riding, and broke his collar bone and two ribs, on the left side.

J. J. LEVINSON, of the Brooklyn park department, recommends the use of carbon bisulphid to kill borers in trees. A few drops are injected into the cavity by the use of a syringe and the opening is closed with soap to keep the gas inside the cavity. The gas generated is certain death to the borer.

BUFFALO, N. Y.—Four new spraying machines have been ordered by City Forester Filer. Two machines are already in operation on the east side of the city, Glenwood avenue being the point where work was started. The machines have a capacity of about 100 ordinary trees per day, when properly handled.

LOWELL, MASS.—J. J. McManmon, whose grounds and nursery at Brookside are most beautifully laid out, has recently purchased from the proprietors of the Essex Co., at Lawrence, the land along the river bank fronting on his property. He intends to lay out the space between the river and the railroad tracks as a park with lawns and various kinds of shrubbery and trees.

WE have received the seventeenth annual report of the St. Paul, Minn., Board of Park Commissioners, this being for the year 1907. It describes in considerable detail the many improvements carried on in the various parks and open spaces during the year and other reports of a financial character and inventories. Considerable alterations to the greenhouses were made and much good work carried out in all departments.

WATERLOO, IA.—The Waterloo Nursery Co. will be incorporated with a capital of $25,000. A large part of the capital has already been subscribed. The company has 75 acres two miles east of here on the Illinois Central and it plans to carry on a wholesale and retail nursery business similar to the large industry for which Charles City is celebrated. The Swift Nursery Co. of Cedar Falls is largely interested and several local men are among the incorporators and will have the management of the new company.

Ampelopsis Lowii.

The accompanying illustration gives a good idea of the new Ampelopsis Lowii introduced by the well known firm of Hugh Low & Co., Bush Hill Park, near London, Eng. This will undoubtedly, when better known, supersede A. Veitchi for the reason that its beautifully cut leaves are finer than the older form and the apple green spring shades turn just as readily in autumn to the bright red hues of Ampelopsis Veitchi. The habit of the plant is a finer growth than the old species and it would appear to grow even more quickly. The young growths cling closely and give a very lacy effect. Having reached the extremity of its climb, this variety has a peculiarity of not clogging the gutter, as is often seen with A. Veitchi, but hangs over in the form of a shower of young growths, which give a splendid effect.

John W. Adams, Springfield, Mass.

VETERAN'S EIGHTIETH BIRTHDAY.

John W. Adams, Springfield, Mass., head of the famous nursery firm bearing his name, celebrated the eightieth anniversary of his birthday, June 20. Time has dealt kindly with Mr. Adams, and he appreciates it. He is as active and alert today as many men 20 or more years younger. Some 50 years ago he commenced business in a small way with his father's aid and this business he has enlarged from time to time, until now he has 13 acres of land under cultivation and a number of large greenhouses run in connection with the business. Mr. Adams comes of a long-lived family, for his father died at the age of 91, having reaped the benefit of his own foresight by gathering hundreds of bushels of apples from trees which he raised from seed.

Mr. Adams has naturally many interesting reminiscences of the past to relate and he tells of the time when coal was $14 per ton, flour $19 per barrel, sugar about three times its present price, and other commodities in like ratio. He also tells of the inception of the horse railroad at Portland and, having an eye to increased values of the land, did all he could to induce the people to sign petitions for its charter. Regarding his business Mr. Adams says that new England is the natural home of forest growth and in addition the soil of his nursery, is very carefully cultivated which accounts for the splendid trees grown there.

AMPELOPSIS LOWII.

The firm does a very large business in ornamental planting and shrubbery. In 1865, Mr. Adams married Miss Sarah Frances Waterhouse, at Portland, Me., and six children were born to them, four sons and two daughters. We trust that his birthday may be many more times repeated and tender our best wishes to him.

Spirea Canescens.

For giving a pleasing display of flowers during early June, this species is one of the most desirable of the shrubby spireas, but at present is not met with to any extent in gardens. It forms a neat, compact, twiggy shrub, three to six feet high, with arching branches covered in the upper parts and on the under sides of the leaves with softly tomentose or pubescent hairs. It is a native of the temperate Himalayas from Kashmir to Kumaon, and in Sikkim at altitudes of from 6,000 to 12,000 feet. The flowers are one-quarter inch in diameter, pure white in the forms which are at present in cultivation, but pink varieties are recorded from its native habitat. They are clustered together in short, lateral, compound corymbs on the ripened shoots of the previous year, the inflorescences all turning upwards in the form of a long spray. The leaves are simple, shortly petiolate, and vary considerably, both in size and shape, on a single shoot, being mostly obovate, ovate, or elliptic-ovate in shape, entire or toothed, and from one-half to one inch in length, and one-quarter to three-quarters inch in diameter. It is a near ally of both S. hypericifolia and S. arcuata, and has been known under the name of S. caneifolia.—Gardeners' Chronicle, Eng.

Notes on Nuts.

Dr. Van Duzee, of Minnesota, said at the last convention of the National Nut Growers' Association: "The growing of nut trees is a business which responds to intelligent effort in exact measure with the amount of brains and energy employed, and is also as ready to prove unsatisfactory if same are not forthcoming. Rightly managed and vigorously followed, I believe it offers greater posibilities of success and more sure reward than any other business with which I am familiar."

The consumption of nuts is increasing rapidly, as is evidenced by the large and regular increase of importations. The demand for nuts and nut products is evidently growing much faster than the home supply is increased.

There are in the United States about 25 kinds of nut-bearing trees which are notable for their beauty as well as for their valuable products, not only of food, but of the high priced timber they furnish as well.

Dipping Trees in Lime Sulphur Wash.

EXPERIMENTS GIVE DOUBTFUL RESULTS.

Many experiments have been carried on at the New York Experiment Station with a view of determining the value of the lime sulphur wash as an insecticide and fungicide, more especially with regard to its effect upon the San Jose scale, and to ascertain its effect both upon the scale and the trees. For the experiments many apples, plums, peaches and pears were used, the trees selected being three years old. The trees were immersed singly and the temperature of the wash was 60°. Half were wholly immersed, the other half were dipped with the exception of the roots. The trees were quite dormant beyond a slight swelling of the buds. They were heeled in after dipping and on May 6 were planted 18 inches apart in the rows, the latter four feet apart, and cultivated in the usual way. On July 5 active lice were seen and most of the trees had some scale on them, though there were some that were free of scale. The trees treated in a wash at a temperature of 212° were perfectly free of insects, but were much injured, especially the young growth.

The trees whose roots were immersed, frequently sustained injury and this was apparent about two weeks after they came in leaf. The first indications of trouble were the wilting and curling of the leaves, the trees soon becoming entirely defoliated, from which condition they did not revive, the growth made being apparently entirely from the stored up food in the tree and unable to stand any sun. The roots, of course, were injured by the wash. Cross sections of roots that externally showed no signs of injury had discolored cambium and the tips of the older and the young roots entirely were killed. In the field experiments with oil emulsions, no injury was apparent, but in laboratory tests where the trees were immersed in a 20 per cent emulsion of oil the injuries were even more severe than from the lime-sulphur wash. The purpose of the experiments was to determine the merits of the lime-sulphur wash and its safety, and in view of the results obtained it is thought that this method of disinfecting trees is a very doubtful practice, both for nurserymen and fruit growers. As immersion of the tops at temperatures of from 60° to 120° for short time periods is unattended with important injury, it is possible that these may do good if the roots are kept out, but the general idea is that fumigating with hydrocyanic acid gas is a better system, especially for dry dormant stock infested with San Jose scale.

Scoring Trees.

The Lazy Club of Cornell University, Ithaca, N. Y., suggests the following scale of points for nursery stock, and invites criticism:

1. Trueness to type	10
2. Size, neither overgrown nor stunted, and to be of specified age and height	15
3. Root system well balanced, with abundance of roots	30
4. Condition, freedom from disease and pests, moist condition of roots and bark	25
5. Uniformity as to the characters of the variety	20

BOX TREES.

Beautiful shapely plants in fine condition and in nice green tubs.

PYRAMIDAL.

	Each	Per Pr.		Each	Per Pr.
3½-ft high	$ 3.00	$ 6.00	5 -ft high	$ 7.00	$13.00
4 -ft high	4.00	7.00	6 -ft high	8.00	15.00

STANDARD OR TREE SHAPED BOX.

Full, compact, well shaped.

	Each	Per Pr.
24-inch clear stem, crown 18 to 20 inches	$ 2.50	$ 4.50
24-inch clear stem, crown 24 inches	3.50	7.00
18-inch clear stem, crown 34 inches	4.50	8.00
24-inch clear stem, crown 34 inches	6.00	10.00

Vaughan's Seed Store, 84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

Greenhouses and Nurseries: Western Springs, Ill.

Peony Surplus List
NOW OUT.
Send for one. Low prices. Fine stock.
PETERSON NURSERY,
Lincoln and Peterson Avenues, CHICAGO

ARBOR VITÆ
(Thuya Occidentalis.)
A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.
Write for descriptions and prices.
THE WM. H. MOON CO.,
Morrisville, Pa.

THE
Storrs & Harrison Co.
PAINESVILLE NURSERIES.
CATALOGUES AND PRICE LISTS FREE ON APPLICATION.....
PAINESVILLE, OHIO.

LARGE TREES.
OAKS and MAPLES.
PINES and HEMLOCKS.
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA

AZALEAS (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.
Jacs Smits, Ltd. NAARDEN, (Holland.)
Price list free on demand.

VIBURNUM PLICATUM
All sizes up to 4 ft., AT A BARGAIN.
— Write for prices.—
THE CONARD & JONES CO.,
WEST GROVE, PA.

BOBBINK & ATKINS,
Rutherford, N. J.,
Bay Trees, Palms, Buxus, Azalea Indica, Rhododendrons, Evergreens, Herbaceous Plants, Roses, Trained Fruit Trees, Greenhouse Grape Vines. Ask for catalogue.

PEONIES. (12 ACRES.)
Buy such varieties as will keep if glut is on. For years I have furnished a big portion of the Decoration Day supply. For prices for fall delivery write
GILBERT H. WILD,
SARCOXIE, - MISSOURI.

KAISERIN 2 1-2 inch. $3.00 per 100.

Fine one-year-olds on own roots.
100 other sorts choice young plants.

Strong 2-year **ROSES** in 4-inch at 5c.

Vinca Var. 2-in. 1.50; 2½-in. $2.00 per 100.

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO

ROSES

	Per 100	Per 1000
Grafted Killarney, 3½-in	$12.00	$100.00
Brides and **Maids,** 3-in., own roots, propagated from grafted stock, strong plants	4.00	35.00
Wellesley and **Mme. de Watteville,** 4-in	5.00	

CHRYSANTHEMUMS.

Touset, Maud Dean, Balfour, Pink Ivory, Oct. Frost, Enguehard, 2½-in. pots..$3.00 per 100 Strong plants, not pot bound.

S J. REUTER & SON, Inc., WESTERLY, R. I.

ROSES Strong, Healthy Stock.

	Per 100
400 Bon Silene, 3-in	$ 4.00
600 Bon Silene, 2½-in	2.00
700 Mme. Chatenay, 2½-in.	2 00
200 Richmond, 2½-in	2 00
1000 American Beauty, 3-in	5.00
1000 American Beauty, 2-in	3.00

Field Grown Carnations

Strong plants now ready. Orders booked for later delivery.

Enchantress, Rose Pink Enchantress, Robt. Craig, White and Pink Lawson, $6 00 per 100. $50.00 per 1000.

White Perfection, Lady Bountiful and Victory, $7.00 per 100.

	Per 100
Smilax, 2½-in	$ 2.00
White Dahlia (Pot or bench culture), 4-in	8 00

HARRY HEINL, West Toledo, O.

WANTED.

600 Victory field plants, good stock, about August 1.

FURROW & COMPANY, Guthrie, Okla.

Louisville.

BUSINESS VERY POOR.

Business conditions the past week were very poor and stock was very plentiful. Roses are of good quality and in great supply, with a slow demand. Carnations are not to be had in such large quantities but are plentiful, as the demand is slow. The quality is fair for the season. Sweet peas are a great glut on the market, it being impossible to move them at any price. The quality remains very good, considering the hot weather. Daisies have a fair demand and are in good supply. Other stock is in good supply and finds a slow demand. Green goods are now in fair supply.

NOTES.

A son of Wm. Walker's met with a bad accident on the Fourth of July, a can of powder exploding. While the accident was a bad one, his life is not considered in danger.

Jacob Schulz had a very attractive window for the Fourth of July. He is keeping busy remodeling greenhouses.

Reynolds & Struck are sending in some of the finest sweet peas seen locally.

Anders Rasmussen continues to send in lots of good roses.

F. L. S.

Rose Plants

From 2½-inch Pots.

	Per 100	1000		Per 100	1000
Bride	$2.50	$22.50	**Ivory**	2.50	22.50
Bridesmaid	2.50	22.50	**Sunrise**	$4.00	$35.00
Uncle John	2.50	22.50	**Kate Moulton**	4.00	35.00

Bench Plants

	Per 100	1000
Richmond	$4.00	$35.00
American Beauty	6.00	50.00

CHRYSANTHEMUMS

From 2½-in. pots. $2.50 per 100.

White—Chadwick, Timothy Eaton, Yanoma, Touset, Estelle, White Bonnaffon. **Pink**—Dr. Enguehard, **Yellow**—Bonnaffon, Col. Appleton, Yellow Eaton. **Bronze**—Black Hawk.

PETER REINBERG

51 Wabash Ave., CHICAGO.

ROSES. ROSES.

Mrs. Potter Palmer 2½- in. strong, $15.00 per 100; $125.00 per 1000; 2000 or more $115.00 per 1000. 3½-in, $18.00 per 100; $150.00 per 1000.

Cardinal 2½-inch $6.00 per 100; $55.00 per 1000. 3½-inch $8.00 per 100; $75.00 per 1000.

AMERICAN BEAUTIES.

2-in.....$5.00 per 100; $45.00 per 1000
2½-in.....$5.50 per 100; $50.00 per 1000
3-in..... 7.00 per 100; 65.00 per 1000
3½-in..... 8.00 per 100; 75.00 per 1000
4-in.....$12.00 per 100; $110.000 per 1000

Maids, Uncle John, 2½-in. strong stuff, $4.50 per 100; $40.00 per 1000.
3½-in. Maids, $6.50 per 100; $60.00 per 1000.
Benched Beauties, cut back, $6.50 per 100; $55.00 per 1000.

ASPARAGUS.

Comorensis.....3-in., $6.00 per 100; $50.00 per 1000
Plumosus..4-in., $10.00 per 100; 6-in., 20.00 per 100
Sprengeri, 2-in. $25.00 per 1000, ready July 15;

FERNS.

5-in. Amerpohli.....$25 00 per 100
2-in. ..... 8 00 per 100
Cash with order. Short time only.

SMILAX, 2-in.....$25.00 per 1000, ready July 15.
SNAPDRAGON, pink, clear colors, 2½-in., $3.00 per 100.

POEHLMANN BROS. CO., Morton Grove, Ill.

60,000 Grafted Roses

	Per 100
Chatenay, Killarney, Richmond, Liberty, La France, 3½-in. pots	$18.00
Bride, Bridesmaid, Golden Gate, Kaiserin, 3½-in. pots	15.00

OWN ROOT ROSES.

Bride, Bridesmaid, Killarney, Richmond, Chatenay, 3-inch pots, $7.00 and $9.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

SPECIALTIES.

ROSES. from 3-inch pots. **CHRYSANTHEMUMS. CARNATIONS,** for fall delivery. **SMILAX. VIOLETS.**

IN BEST VARIETIES.

Prices low. Send for list.

WOOD BROTHERS, Fishkill, N. Y.

ROSE PLANTS

On own roots. Send for list.

C. M. NIUFFER, Springfield, Ohio

Send Your Advertisements Early.

A. N. PIERSON, Inc., Cromwell, Conn.

SPECIAL SALE OF SURPLUS STOCK.

Extra large, first-class grafted Roses, 3-in. pots of the following varieties:

NOVELTIES.

Mrs. Jardine, Rhea Reid, Queen Beatrice, My Maryland, $3.00 per doz., $20.00 per 100.

STANDARD VARIETIES.

Killarney, Maids, Brides, Wellesley, Wootton, La Detroit, McArthur, Richmond, Enchanter, Bon Silene, Papa Gontier, Etoile de France, Kate Moulton, Franz Deegan, Tom Field, Hermosa, Marechal Neil, Maman Cochet. The above grafted 3-in. pots, $12.00 per 100; $100.00 per 1000

OWN ROOT ROSES.

Brides, Maids, Chatenay, Golden Gate, Ivory, 3-in. pots, $6.00 per 100; $50.00 per 1000.

MISCELLANEOUS PLANTS.

Asparagus Plumosus Nanus Seedlings.

From flats, $10.00 per 1000

Begonia Gloire de Lorraine

strong, young plants, 2¼-in. pots, $15.00 per 100.

Bouvardia

large white, 2¼-in. pots, $4.00 per 100. $35.00 per 1000.

CHRYSANTHEMUMS.

Special offer of Surplus Stock from pots.

Golden Glow, Pacific Supreme, Virginia Poehlmann, White Cloud, $4.00 per 100; $35.00 per 1000.

STANDARD VARIETIES

WHITE—Early: Geo S. Kalb, Polly Rose, Early Snow, October Frost. Mid-Season: Clementine Touset, White Shaw, Mrs. H. Robinson, Beatrice May, Alice Byron, Eureka, Adelia: Late: Mrs. McArthur.

PINK—Early: Glory of the Pacific, Rosiere, Mid-Season: J. K. Shaw, Adela, William H. Duckham, Dr. Enguehard, Morton F. Plant. Late: Maud Dean, Mayor Weaver. Mrs. James Marshall.

YELLOW—Early: Monrovia. Mid-Season: G. Pitcher, Col. D. Appleton. Late: Major Bonnaffon.

RED—Cullingfordi, Matchless. $2.50 per 100; $20.00 per 1000.

Chrysanthemums

FOR EVERY PURPOSE.

A partial list with prices appeared in previous issue.

ELMER D. SMITH & CO.,

Successors to Nathan Smith & Son,

ADRIAN, MICH.

KILLARNEY.

2½-in., grafted on briar..... 10.00 per 100
2½-in., grafted on manetti..... 12.00 per 100

KAISERIN.

2½-in., very fine plants.....$4.50 per 100; $40.00 per 1000

AM. BEAUTIES.

2½-in., fine young plants.....$50.00 per 1000

BASSETT & WASHBURN,

Greenhouses: HINSDALE, ILL. Store: 76 Wabash Ave., CHICAGO.

ROSES. STRONG, CLEAN STOCK.

Grafted Killarney, Richmond, Brides, and Maids $12.00 per 100; $110.00 per 1000. Own-root Brides Maids, Gates, Ivory, Perle, Killarney and Richmond $6.00 per 100; $55.00 per 1000.

All from 3½-in pots.

P. R. QUINLAN, SYRACUSE, N. Y.

Grafted Roses for Forcing

BRIDE, KAISERIN, RICHMOND, BRIDESMAID, KILLARNEY, WELLESLEY } $10.00 per 100 $100.00 per 1000

JACKSON & PERKINS CO.

Wholesale Florists and Nurserymen. Newark, Wayne Co., N. Y.

JOHN E. HAINES,

BETHLEHEM, PA.,

is the place to order field plants of the following varieties; will be ready by Aug. 1:

	Per 100	1000
John E. Haines, red	$6.00	$50.00
Imperial, variegated	6.00	50.00
Pink Imperial	6.00	50.00
Enchantress, light pink	6.00	50.00

ANDREW CARNEGIE

(SCARLET HARLOWARDEN)

Field-grown plants for Fall delivery, $12.00 per 100; $100.00 per 1000.

Send for list of other varieties we will have ready for August 15th delivery.

Chicago Carnation Co., A. T. PYFER, Mgr., Joliet, Ill.

A. F. LONGREN

Rooted cuttings and plants of

CARNATIONS and CHRYSANTHEMUMS

—MY SPECIALTY—

Des Plaines, - Illinois.

AFTERGLOW

Orders now booked for field-grown plants, to be delivered in August and September.

First size.....$14.00 per 100
Second size..... 12.00 per 100

R. WITTERSTAETTER,

(Originator) Station F, CINCINNATI, O.

ROSES

A SPECIALTY.

The Dingee & Conard Co.,

WEST GROVE, PA.

Grafted Roses.

BRIDES, MAIDS, KILLARNEY

4-inch $20.00 per 100.

Own Root Brides, Maids, Richmonds,

4-inch $7.00 per 100.

CHAS. H. TOTTY, Madison, N. J.

KENILWORTH, D. C.—W. B. Shaw, an old soldier, has great success in the culture of water lilies here and gathers often as many as 1,500 lilies daily.

LONDON, ONT.—The flower show held in the city hall, under the auspices of the Horticultural Society, June 24, was successful in every respect. The exhibits were numerous and beautiful. A Black Spanish fig tree, the property of Albert E. Roberts, attracted much attention. The tree was about six feet in height, and bore several figs. A large pot of water-lilies, which was near the entrance to the hall, was also a popular exhibit.

PLEASANT HILL, MO.—Geo. M. Kellogg has gone to the Kellogg sanitarium at Battle Creek, Mich., for a period of rest and recuperation and hopes to meet many of his old friends at the Niagara Falls convention next month.

BAYNES, B. C.—E. H. Stanley, son of W. S. Stanley, managing editor of the Fernie, B. C., Ledger, has bought several tracts of Kootonia irrigated lands here, on which he will start a large nursery. Price of the land was $1,000.

Now is the time to place your orders for

Begonia Gloire de Lorraine, Cyclamen and Poinsettias.

I am well equipped to supply the above in any quantity at the following prices:

Begonia Gloire de Lorraine, 2½ in. pots (leaf cuttings), **$15** per 100; **$140** per 1000.

Cyclamen, per 100, 2½ in., **$5**; 3 in., **$7**; 4 in., **$15**; 5 in., **$20.**

Poinsettias, 2½ in., **$5** per 100; **$45** per 1000.

Satisfaction guaranteed.

S. S. SKIDELSKY

1741 N. 18th St., Philadelphia, Pa.

STILL HAVE

Nice 3-in. **Bridesmaids, Brides** and **Richmonds.**

Fancy **Smilax,** in 2½-in.. at $2.50 per 100.

Extra fine **Cannas,** at $5.00 per 100.

Still a nice lot of red and yellow **Coleus,** to close out at $2.50 per 100 or $15.00 per 1000.

Specially nice **Ferns,** in 4-, 5- and 6-in., Piersoni, Elegantissima, Amerpohli and Whitmani.

If you want the best bargains in **Boston Ferns** you ever bought, order quick of our 4, 5, 6 and 7 in. stock. This is all ready for a shift, and we are going at it next week. Be sure and get your order n promptly.

GEO. A. KUHL,

PEKIN, ILLINOIS.

100,000 Smilax

Extra fine well hardened stock a bargain at $1.50 per 100; $15.00 per 1000

25,000 Sprengeri from rose pots at $1.50 per 100; $15.00 per 1000.

Deflexus, small $3.50 per 100; 4-inch at $7.00 per 100.

GERANIUMS, orders booked for rooted cuttings fall delivery Nutt, Buchner and Perkins at $10.00 per 1000; Ricard, Poitevine, Castellane and Viaud at $12.50 per 1000.

ALBERT M. HERR,

LANCASTER, - PA.

CHRYSANTHEMUMS 2x2½-in. pots All fine stock.

Enguehard, Jeanne Nonin, White Chadwick, Alice Byron, Col. Appleton, Clem. Touset, O. P. Bassett, Mrs. Coombs, 2½-in., $2.00 per 100.

Clay Frick, Jean Rosette, $6.00 per 100.

Cash with order.

J. J. LAMPERT, Xenia, O.

New Orleans.

C. R. Panter, now weighing in the neighborhood of 250 pounds says he can hold his own against any florist in the United States at ten pins.

James Newsham has returned from central America and Mexico and expects to flood the market with orchids.

H. A. Despommier, Jr., gardener to J. P. Blair, expects to become a benedict in the near future.

R. A. Chopin has had an increase in his family by the arrival of a son and feels quite happy.

E. Baker has got tired of the commercial end and has gone back into the gardening business.

H. A. Despommier has been quite sick for the past two weeks, but is now fast recovering.

John Rinck thinks of taking a trip to Chicago with his friend H. A. Despommier.

R. Reinecke is quite busy with his new Fishtail fern.

J. H. Menard is taking things easy until fall. D.

GODFREY ASCHMANN

Of Philadelphia, the well known Araucaria Specialist, is not dead, but still alive and more active than ever.

1907 Was the 12th Anniversary since he began the importing and shipping of **Araucarias** He never had such a record-breaking year. **7,000** were imported sold or shipped This, in spite of panic times, has given him new strength in his **Importing Araucaria Business.** His business is now so well established that every person in the trade, from ocean to ocean, has heard of his **Araucarias. This year, 1908, is our 13th anniversary.** What do you think? Will we be behind last year? Oh, no! Don't look like it.

WATCH US GROW.

8,000 were imported this spring and can be seen and inspected growing in our greenhouses, in all sizes and prices, potted up into 5 5½ and 6 inch pots They have now sufficiently recovered from their voyage to be shipped safely into every state and territory of the United States, Canada or elsewhere Now is the time to order. Fill your empty houses now and put something in them that will grow into money for you.

Look! Plants worth 75c now are worth by Sept. or Oct., $1.50 to $1.75 up to $2.00 each.

Araucaria Excelsa, 5-in. pots, 2 years old, 3 tiers, 8-10 in. high, 40c; 5¼-in. pots, 2 years old, 3 to 4 tiers, 10-12-13 in. high, 50c; 5½ to 6-in. pots, 3 to 4 years old, 4, 5 and 6 tiers, 14-15-16-20 in. high, 60c, 75c to $1.00 each.

Araucaria Robusta Compacta, 6 in. pots, 3 years old, 3 tiers, very beautiful plants, $1.25 to $1.50 each.

Araucaria Excelsa Glauca, 6 in. pots 3 years old, 3 tiers, very handsome plants $1.00, $1.25 to $1.50 each.

Araucaria Excelsa Glauca, specimen plants (something extra), spring of 1907 importation, suitable for lawns and porches 5 to 6 years old, 7-in. pots, 5 tiers 25 to 30, 35 to 40 in. high same in width, $1.50, $1.75, $2.00, $2 50 $3.00 to $4.00 each.

Kentia Forsteriana, 6 to 7 in. pots, 36 in. high, $2.00 each: 40 to 50 in. high, $2.50 to $3.00 each; 6-in. pots, 30 in. high $1.50; 6-in. pots, 25 in. high, $1.00; 6-in. pots, 20 to 25 in. high, 75c, 5 to 5½ in. pots 50c.

Kentia Belmoreana, 5¼ to 5½ in. pots, 22 to 25 in. high, 50c, 60c to 75c; 4-in. pots, 20 to 22 in., 35c.

Begonia Gloire de Lorraine, 3-in. pots raised from leaf cuttings, ready to shift into 4-5 in. pots, 25c.

Cannas, 4-in.....5c **S. Sage,** 4-in.....5c
Cobea Scandens, 4-in.....5c **Fuchsias,** 4-in.....5c
Geraniums, 4 in....5c

Bay Trees, just received, per steamer Manitou, 6 ft. high from top of tub, 30-in. crowns, $12.00 per pair

Victoria Asters, 2½-in. pots, separate colors, $2.00 per 100.

Clematis, the true Jackmani, 6-in. pots, 3 feet, 35c to 40c.

Boston and **Scottii Ferns,** 4-in., 20c.

Whitmani Ferns, 4 in., 25c.

Solanum, or Jerusalem Cherries. We carry the best improved strain called the Multiflorum, always laden with big berries. Price: 2½-in. pots, $4.00 per 100.

All goods must travel at purchaser's risk only. Cash with order, please.

GODFREY ASCHMANN, 1012 W. Ontario St., Philadelphia

Importer, Wholesale Grower and Shipper of Pot Plants.

Surplus List.

	Per 100
Asparagus Plumosus, 2-in	$3 00
" " 2½-in	4 00
Ageratum, Little Blue Star	3 00
Achyranthes, 2 kinds, 2½-in	3 00
Begonia Gloire de Sceaux, 2½-in	10 00
" Fairy Queen, 2½-in.	4 00
" Vernon, 2½-in.	4 00
Chrysanthemums, large stock; send for list.	
Coleus, John and Anna Pfister, 2-in	3 00
Castor Bean, tall bronze and dwarf green, 3-in	6 00
Cobea Scandens, 4-in	4 00
Cyclamen, Vaughan's Giant-Flowering, 3-in	6 00
Cannas, strong pot plants; send for list.	
Dahlias, strong pot plants, named, in all the best sorts, both cactus and large flowering.	6 00

	Per 100
Geraniums, ivy-leaved, asst. kinds, 2½-in.	$3 00
" Little Pink, Sycamore, Beaute Poitevine, Single and Dbl. White, 2½-in.	3 00
4-in	6 00
Moonvines, white, 2½-in	4 00
Kenilworth Ivy, 2½-in.	2 00
English Ivy, 4-in., long vines	10 00
German Ivy, 2½-in., long vines.	3 00
Lobelia New Dbl. Kathleen Mallard, 3-in.	6 00
Latania Borbonica, 2½-in	4 00
" 3-in	7 00
Primula Obconica, 2-in	3 00
Solanum Capsicastrum, 2½-in	4 00
Smilax, myrtle leaf, 3-in	5 00
" large leaf, 2-in.	2 00
Sage, Holt's Mammoth, 2-in.	2 50
Santolina, 2-in.	3 00
Thunbergia, 2½-in.	3 00
Petunias, finest double sorts, 2½-in	4 00
Pelargoniums, named kinds, 4-in. pots	15 00

Vaughan's Seed Store, 84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

Greenhouses and Nurseries: Western Springs, Ill.

Riverside Floral Co.,

Riverside, Ill.

R. Mayer has sold the entire stock to

MRS. MARY E. REISSIG.

COLUMBUS, O.—At a recent meeting of the Florists' Club, Albert Knopf, AMERICAN FLORIST correspondent, was presented with a beautiful locket charm engraved with a handsome floral design and the club monogram. Mr. Knopf is about to leave for California, to be gone for at least two years.

JACKSONVILLE, ILL.—The nursery and flower business at Joseph Heinl & Sons' plant on Greenwood avenue has so outgrown the present facilities that it has become necessary to enlarge the houses and five greenhouses, 27x130 feet, with concrete walls are under way and will be utilized as soon as finished.

Cycas Stems

NEW STOCK
ALL SIZES

Prices: 100 LBS.@8¢ 200 LBS.@7½¢ 500 LBS.@7¼¢

VAUGHAN'S SEED STORE,

CHICAGO, 84-86 Randolph St. NEW YORK, 14 Barclay St.

LARGEST STOCK OF ALL

Belgian Plants

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

LOUIS VAN HOUTTE, PERE,

GHENT, BELGIUM.

Washington.

It will cause general regret among those who are familiar with the horticultural features of this city, to learn that Geo. H. Brown, superintendent of the U. S. propagating gardens, is in poor health. He is now at White Sulphur Springs, Va., where it is hoped a marked improvement in his condition will be speedily brought about. During his long tenure of service with the government he has made hosts of friends, and kept them, and his work as a landscape gardener has for years been among the noteworthy features of this city, while his genial and kindly disposition has endeared him alike to his associates and subordinates. The veteran W. R. Smith is also in poor health, but it is hoped that he will soon be himself again.

There have recently been reports from New York and other cities of a movement to place the name of Adolphus Gude before the convention of the S. A. F. at Niagara Falls as a candidate for president. Mr. Gude is a very busy man and it is doubtful if he could be induced to make the race, but the convention could make no mistake in selecting him. The writer has no personal prejudice for or against any candidate but from long and intimate knowledge of Mr. Gude as a florist and business man, as a citizen and head of a family, he is constrained to state that he is a man eminently fit for the office.

Chas. McCauley, secretary of the Florists' Club, has been visiting New York.

Brampton, Ont.

We hear from Georgetown, that Wm. Downing, who has been foreman for H. L. Janzen & Son, of Berlin, for the past three years, has taken over the management of the Georgetown Floral Co., Ltd. Mr. Downing was with the Dale Estate for some time before going to Berlin. We hope that he will be successful in his new position.

Alex. Stewart and W. H. Thompson are leaving the Dale Estate to go west July 21. They have taken tickets for Edmonton, Alberta, but will stop off at several places on the way out to have a look around the country.

The new houses at the Dale Estate are going ahead rapidly and will be ready for the glass in a short time. There are five houses 300 feet long, and they will make a magnificent range when completed. L.

FICUS ELASTICA.

4-inch....................$3.00 per dozen
5-inch.................... 4 20 per dozen
6-inch.................... 6.00 per dozen

KENTIAS

	Pots	Leaves	Hght.	Each.	Doz.
Kentia Forst.	5-in.	4-5	20-24-in.	$ .75	$ 9.00
"	6-in.	4-5	24-28-in.	1 00	12 00
"	6-in.	4-5	24-30-in.	1 25	15 00
"	7-in.	5-6	24-36-in.	2 50	30 00
"	8 in	5-6	36-40-in	3 50	42 00
"	9-in.	6-7	48-54-in.	5.00	60 00
Made-up Kentia 3 in a pot				5 00	60 00
Kentia Bel.	5-in.	5-6	18-20-in.	.75	9.00
"	6-in.	4-5	20-22-in.	1 00	12 00
"	6-in.	5-6	20-24-in.	1 50	18 00
"	7-in.	5-6	24-26-in.	1 75	21 00
"	7-in.	6-7	24-28-in.	2 50	30 00
"	8-in.	6-7	30-36-in.	4 00	48 00
"	9-in.	6-8	36-48-in.	6 00	

Phoenix Canariensis

Fine for vases or out-door decoration, in small tubs, $2.50 each

Cycas Revoluta.

4-inch....................25 cents each
5-inch....................35 cents each
6-inch.................... 50 cents each
7-inch....................75c to $1.00 each
8-inch....................$1.25 to $1.50 each

If we do not confine ourselves to the exact size of pot specified, we shall see that stock of good value for the money is sent on every order.

ARAUCARIAS.

We have a special fine lot of Araucarias—the plants at $1.00 each are extra value for the money.

4-inch....................35 cents each
5-inch....................75 cents each
6-inch....................$1.00 each

Assorted Ferns for Fern Dishes

$3 00 per 100.

Adiantum Cuneatum, 4-in........ $ 1 50 per doz

THE GEO. WITTBOLD CO., 1657 Buckingham Place, CHICAGO.

PALMS Home Grown.

COCOS WEDDELLIANA.

	Each	Doz.
2½-in. pot, 8 to 10 in. high........	.10	
2½-in. pot, 10 to 12 in. high........	.15	

KENTIA BELMOREANA

	Each	Doz.
6-in- pot, 6 to 7 leaves, 22 to 24 in..	1.00	12.00
6-in. pot, 6 to 7 leaves, 24 to 26 in..	1.25	15.00

KENTIA BELMOREANA.

	Each	Doz.
6 in. pot, 6 to 7 leaves, 26 to 28 in..	1.50	18.00
6 in. pot, 6 to 7 leaves, 30 to 36 in..	2.00	24.00
7-in. pot, 6 to 7 leaves, 32 to 34 in., heavy..........	2.50	30.00

Full line of Kentias, (all sizes), ready in July.

JOSEPH HEACOCK COMPANY, Wyncote, Pa.

FERNS and ASPARAGUS.

	Per 100
2¼-in. Boston and Piersoni, extra strong.......	$3.50
3 -in. " " "	7.00
4 -in. " " "	12.50
5 -in. " " "	25.00
6 -in. " " "	50.00
2¼-in. Scottii and Elegantissima, extra strong..........	4.00
3-in. Scottii and Elegantissima, extra strong..........	$ 8.00
2¼-in. Asparagus Plumosus extra strong......	3.00
2¼-in. " Sprengeri, " "	2.25
3 -in. " " " "	5.00
4 -in. " " " "	8.00
3 -in. Whitmani..........	12.50

THE MOSBAEK GREENHOUSE CO., Onarga, Ill.

Boston and Piersoni Ferns.

2½-inch....................$ 3.00 per 100
3-inch.................... 6.00 per 100
4-inch.................... 10.00 per 100
6-inch.................... .40 each.

Thomas Salveson, Petersburg, Ill.

FERNS FOR DISHES

Assorted Varieties.

From 2-in pots, $3.00 per 100; $25.00 per 1000. Cash with order.

FRANK OECHSLIN

2570-2606 W. Adams St., Chicago. Formerly Garfield Park Flower Co.

Neph. Whitmani

2¼-inch....................$ 5.00 per 100
3½-inch.................... 25.00 per 100

Boston Ferns 2¼-inch, $3.00 per 100.

Henry H. Barrows & Son, WHITMAN, MASS.

ROBERT CRAIG CO.

HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

A FEW GOOD THINGS YOU WANT.

Asparagus Sprengeri, 2-in., $2.50 per 100; 3-in. $5.00 per 100. Seedlings, $1.00 per 100.
Geraniums, Nutt, Doyle, Perkins Ricard, Grant La Favorite R. C., $1.25; 2-in. pots, $2.00; 3-in., $4.00 per 100; Trego, Viaud, Castellane, Poitevine, Jaulin, R. C. $1.50; 2-in. pots, $2.50; 3-in., $5.00 per 100. Mme. Salleroi, 2-in. $3.00 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100; 3-in., $5.00 per 100.
Boston Ferns, 5-in., 30c each.
Vinca Var., 2-inch, $2.00 per 100.
Dracena Indivisa, 3 in., $5.00 per 100.
Rex Begonia, $5.00 per 100.
Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the express companies properly packed in good order.

GEO. M. EMMANS, NEWTON, N. J.

PLANTS, 1½c

All from 2-inch pots.
Swainsona alba, Coleus, Feverfew (dbl. white), Shasta Daisy (two kinds), Dbl. Petunia, Sweet Alyssum (single), Thunbergia, Smilax, Celestial Peppers, Geraniums (Ivy Rose, Nutt, Dbl. Grant, Gen. Grant, Buchner, Viaud, etc.), all above, 2 and 2½-in. stock, at 1½c.
Asters, separate colors, Semple's, $2.50 per 1000.
ROOTED CUTTINGS prepaid per 100: Vinca Variegata, 90c. Alternanthera, 3 kinds, 50c. Coleus, 10 kinds. Salvia, Bonfire, 90c.
Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

ORCHIDS.

Arrived in Fine Condition: C. Mossiæ, C. Gaskelliana, C. Speciosissima and C. gigas Sanderiana.
Also others in a few days.

ORDONEZ BROS., Madison, N. J.

Toronto.

PRICES LOW.

Business has assumed the usual summer proportions, with the new price list just issued quoting stock at the lowest price of the season. Roses are not so good in quality with the prices lowered, and only a few varieties to cut from. There are only a few American Beauty, Bridesmaid, Bride and the summer cut of Kaiserin, the other varieties having been discarded until the fall. Carnations are in fair supply and good quality at present, but indications are that they will not hold good much longer. During the last two weeks there has been an unprecedented demand. There was more used than anticipated, but the difficulties are overcome and there is plenty for all. In lilies there is a nice quality of good stock of Longiflorum at present, and as these are storage stock they will evidently be procurable for the balance of the season. In green goods, smilax has been very scarce, but other varieties are abundant. In orchids, special attention is called to the superior varieties which are grown here; at present they are being sold at very moderate prices.

NOTES.

Wm. Bowers has severed his connection with Dunlop and is conducting an establishment of his own on McDonald avenue. At present he is cutting some very good Kaiserin and has material on his place for the addition of several more houses, and will go into other varieties of roses.

The prize list for the Canadian national exhibition has been issued and there are inducements which should appeal to all florists, the prize money in the floral section being thousands of dollars.

Wm. Reggall, of the Rosedale Florist's, has some attractive oddities in the shape of poultry that happened to be well trimmed boxwood plants, and meet with ready sale.

Harold Mills, of the Bedford Park Co., has severed his connection and is at present with J. H. Dunlop. H. G. D.

GERANIUMS.

OUR SPECIALTY

We are preparing to grow Geraniums on quite an extensive scale next season, and are making very interesting prices on orders booked now for delivery during the fall and winter; send us a list of what you can use and when you will be ready for them and see what we can do for you. Only plants from 2-in. pots; we do not send out rooted cuttings.

We have a Splendid lot ready for immediate shipment from 2-in. pots, in fine shape.

Standard Sorts, at $2.00 per 100 and up. We will send 1000, 50 each of 20 varieties, our selection for $18.50; single or double, all good sorts; a splendid collection to stock up on.

	Per 100
Smilax, strong plants	$2.00
Coleus, Golden Bedder and Verschaffeltii, 2-in., $2.00; 3-in.	3.00
Begonia, Vernon and Gracillis, 2-in.	2.00

Newer Varieties, selected from the finest introductions of 1905-6, at $6.00 to $8.00 per 100.
Novelties, one each of 50 varieties, for $5.00. 1907 introductions of Bruant, Lemoine, Rozain-Boucharlat, Cannell and other specialists.
Hardy Chrysanthemums, $2.00 per 100; 500 in 20 varieties, our selection, for $9.00; 1000 in 20 varieties, our selection, for $17.50. Strong plants from 2-in. pots.

Visitors always welcome. Cash with order.

R. Vincent, Jr. & Sons Co., White Marsh, Md.

ORCHIDS

The following freshly imported **ORCHIDS** to hand in superior condition:

CATTLEYA DOWIANA. Of this scarce and beautiful Orchid, we have a fine shipment to hand.
CATTLEYA TRIANAE. This is the second consignment this spring; a third one due shortly. Type superior to anything on the market.
CATTLEYA LABIATA. A second lot just in, in fine shape.
CATTLEYA GASKELLIANA and **CATTLEYA MOSSIAE, Etc., Etc.**
Also **LAELIA DIGBYANA,** in fine shape.

Write for prices and we assure you we can suit you.

LAGER & HURRELL, Summit, N. J.

NOTICE.

	Per 100	1000
Geraniums, 3-in. pots	$3.00	$25.00
" 3½-in. pots	3 50	28.00
" 4-in. pots	4.00	33.00
Coleus, 2½-in. pots	2.00	17.00
Double Petunias, 3-in. pots	$3 00	$25.00
Asparagus Plumosus, 3-in pots	5.00	
Asparagus Sprengeri, 2½-in. pots	2.50	22.00
Salvia Zurich, 3-in. pots	3.00	

PERENNIAL GARDENS CO., Toledo, Ohio.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World.

SANDER, St. Albans, England.

NEW YORK OFFICE: Room 1, 235 Broadway. **T. MELLSTROM,** Agent.

ORCHIDS.

ARRIVED in fine condition, a fine importation of C. Trianæ, C. Labiata, C. Schroederæ, C. Gigas Sanderiana, C. Harirsoniæ, C. Citrina, Lælia Anceps, Oncidium Varicosum Rogersii, Onc. Ornithorhynchum, Onc. Tigrinum, Odontoglossum, Insleayi, O. Rossii Majus.
We carry Orchid Peat, Sphagnum Moss, Baskets, etc.

CARRILLO & BALDWIN, Secaucus, N. J.

LEROY, N. Y.—Wm. C. Barlow has broken ground for a new greenhouse 26x100 feet, to be located directly at the back of his present greenhouse plant.

Plants from 3-in. Pots at $3.00 per 100

Dwarf Alyssum, Ageratums, Princess Pauline, Blue Perfection, Bouvardia Humboldtii, Gazania Splendens, Cupheas, Salvia Bonfire, Rosemary, variegated Periwinkle, Moschosma riparium, Swainsona alba, Euonymus radicans, Fuchsias, in bud and bloom, 4 varieties, Geraniums, best commercial varieties. Heliotrope, dark blue, Gazania splendens, Rose and Peppermint Geraniums, Moonvine, the true white large flowering.
Seedlings from Flats $1.00 per 100, Asparagus Sprengeri, Dracaena Indivisa.
Clematis, large flowering varieties, 2-year-old plants, red, purple and white, $3.00 per dozen. Clematis paniculata, 3-in. pots, $5.00 per 100.
Honeysuckle, Halleana and Red Trumpet, strong plants, $1.50 per dozen, $10.00 per 100.
Ampelopsis Veitchii, 4-in. pots, 2-year-old plants, $1.50 per dozen, $10.00 per 100; 3-in. pots, $5.00 per 100.
Ivy, hardy English, 4-in. pots, $1.50 per dozen $10.00 per 100.
Coleus and **Alternantheras,** 2½-in pots, $2.00 per 100.
Cash with order please.

C. EISELE, 11th and Westmoreland Sts. PHILADELPHIA, PA.

THE WHILLDIN POTTERY COMPANY
THE LARGEST MANUFACTURERS OF
STANDARD FLOWER POTS
PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.

MISSION PLANT BOXES.

Are the best and cheapest plant boxes in the market for large plants, boxwoods, bay trees, etc. They are attractive in design, strong and durable. Suitable for either outdoor and indoor use. Write for prices.
WAGNER PARK CONSERVATORIES
Sidney, Ohio.

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EDWARDS FOLDING BOX CO
MANUFACTURERS
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J. SCHROEDER,
— MAKER OF —
Artificial Flowers,
344 Ontario St., CLEVELAND, O.

A. HERRMANN,
Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florists' Supplies.
SEND FOR PRICES.
404-412 East 34th St., NEW YORK.

Cleveland.

AUTOMOBILES PLENTIFUL.

Although one hears complaints of business being none too good, nevertheless if one should judge from appearances and style he could not help but think the past year one of the most prosperous in the history of the city for florists. Five of our florists own large touring cars and the sixth is contemplating buying one. No doubt other business men envy our prospering craft.

The place of Fred Moritz, Edmonds avenue, was entered by burglars the morning of July 3. His plucky wife happened to see one of the robbers at work. She was upon him before he had time to realize that some one was in the office. Mrs. Moritz had the fellow by the collar and called for help, but thinking his wife was calling him for breakfast Mr. Moritz did not respond at once; consequently the intruder escaped, much to the disappointment of Fred.

F. C. Bartells, of the Essex Greenhouses, North Olmsted, sent the first asters of the season to the Florists' Exchange. Mr. Bartells says he expects to have a large crop throughout the entire season.

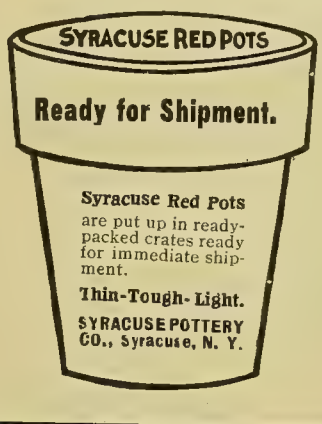
P. J. Probeck, Morrison avenue, had an accident last week. While driving down East Ninth street his horse became frightened and ran away. No serious damage was done.

FORESTER.

MONSON, MASS.—G. L. Fuller is now giving his entire attention to flowers. For a few years past Mr. Fuller has been building up a business as a florist in which he has been successful.

THE KELLER POTTERY COMPANY,
Manufacturers of FLORISTS' RED STANDARD POTS.
Azalea Pots, Bulb and Fern Pans, Etc.
Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

The Ionia Pot is the Best Pot.
That's the reason why it was necessary to double our capacity in 1907 to take care of the trade of 1908. Our factory equipment is the best. Our output is the largest.
Hand your next season's order to Uncle Sam today. Our invoice will be in your hands on his return trip.
IONIA POTTERY COMPANY, Ionia, Mich.



Standard Flower Pots!
Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2-in., in crate,	$4.88	120 7-in., in crate,	$4.20
1500 2¼ "	5.25	60-8 "	3.00
1500 2½ "	6.00	HAND MADE.	
1000 3 "	5.00	48 9-in., in crate,	$3.60
800 3½ "	5.80	48 10 "	4.80
500 4 "	4.50	24 11 "	3.60
320 5 "	4.51	24 12 "	4.80
144 6 "	3.16	12 14 "	4.80
		6 16 "	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address
HILFINGER BROS. POTTERY, Fort Edward, N.Y.
or AUGUST ROLKER & SONS, New York Agents
31 Barclay Street, New York City.

GEO. KELLER & SON,
Manufacturers of
FLOWER POTS
Before buying write for prices.
361-363 Herndon Strret
near Wrightwood Ave.,
CHICAGO, ILL.

H. BAYERSDORFER & CO.,
Florists' Supplies.
1129 Arch Street, PHILADELPHIA, PA
Send for our new catalogue.

Kramer's Pot Hangers
For Sale by Wholesale Seedsmen, Florists and Supply Dealers.
Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.
I. N. Kramer & Son, CEDAR RAPIDS, IOWA.

Those Red Pots
"STANDARDS"
FULL SIZE AND WIDE BOTTOMS, BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'F'Y.
HARRY BALSLEY, Rep. DETRIOT, MICH. 490 Howard St.

Florist's Red Pots
OF FINELY PREPARED CLAY.
Process and catalogue sent on request.
The Peters & Reed Pottery Co, ZANESVILLE, OHIO.

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Porosity and Strength Unsurpassed.
Write for Prices.
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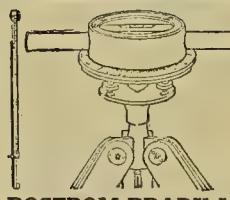

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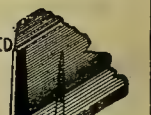

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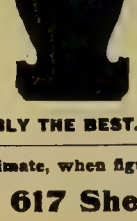

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Greens, bronze galax, $8.50 per case of 10,000; green, $7.50 case of 10,000. Dagger and fancy ferns, $1 per 1,000. Laurel festooning, boxwood, southern wild smilax, sphagnum and green moss, leucothoe sprays, etc. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, dagger and fancy ferns, $1.75 per 1,000. Bronze and green galax, $1.25 per 1,000. Leucothoe sprays, $1 per 100; $7.50 per 1,000. Sphagnum moss, per bale, $1.25. Boxwood bunches, 35c; 50 lbs., $7.50. Michigan Cut Fower Exchange, 38-40 Broadway, Detroit.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 53 W. 28th St., New York.

Greens, cut palmetto and cycas leaves, galax leucothoe, ferns, mosses, etc. Kervan Co., 113 W. 28th St., New York.

Greens, smilax, ferns, palm leaves, etc. John P. Scherer, Union Hill, N. J.

Greens, southern wild smilax. E. A. Beaven, Evergreen, Ala.

HARDY PERENNIALS.

Hardy pinks, asst. colors in bud and bloom, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

HONEYSUCKLES.

Honeysuckles, Halliana and Red Trumpet, $1.50 per doz.; $10 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

HYDRANGEAS.

American Everblooming Hydrangeas, strong nursery-grown plants, $15 per 100; $140 per 1000; strong nursery-grown, 8 to 12 inches, $10 per 100; $90 per 1000; 5000 for $400. Lists free. The E. Y. Teas Co., Centerville, Ind.

Hydrangea Otaksa, fine strong plants, 2-in., $3.50 per 100; 3-in., $5 per 100. George Corbett, College Hill Sta., Cincinnati, O.

Hydrangea Otaksa, in tubs, $2 to $3 each; in half barrels, $5 to $7.50. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Hydrangeas, 3-in., $10 per 100; 6 and 7-in., 50c, 75c and $1 each. Geo. A. Kuhl, Pekin, Ill.

Hydrangea Snowball, 3-yr., $5 per doz. Vaughan's Seed Store, Chicago and New York.

Hydrangeas. W. & T. Smith Co., Geneva, N. Y.

IVIES.

Ivy, Kenilworth, 2½-in., $2 per 100. English, 4-in., $10; German, 2½-in., $3. Vaughan's Seed Store, Chicago and New York.

Ivy, English, 4-in., $1.50 per doz.; $10 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

LILACS.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

From Storage.

Lily of the valley, pips, cold storage. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley, cold storage pips, $14 per 1,000; $1.75 per 100. H. N. Bruns, 1407-11 W. Madison St., Chicago.

LOBELIAS.

Lobelia, new dbl. Kathleen Mallard, 3-in., $6 per 100. Vaughan's Seed Store, Chicago and New York.

MOSS.

Sphagnum moss, 5 barrel bale, $1.25; 2 bales, $2.25; 5 bales, $5; 10 bales, $9.50. H. R. Akers, Chatsworth, N. J.

Sphagnum moss in burlap, or wired bales. Write for prices. Vaughan's Seed Store, Chicago and New York.

MUSHROOM SPAWN.

Swanson's new varieties of Mushroom Spawn is the best spawn on the market. Write for price list and book about mushrooms. Paul Swanson, 2743 W. 47th St., Chicago.

Mushroom spawn, Barter's Prolific, wholesale only. Write for prices. John F. Barter, Ltd., Napier Road, Wembley, England.

Mushroom spawn. Johnson's improved. Johnson's, Ltd., 44 Bedford Row, London, W. C., Eng.

Mushroom spawn, Sure Crop, $8 per 100 lbs. Weeber & Don, 114 Chambers St., New York.

Mushroom spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

MYRTLE.

Myrtle, field-grown clumps, strong, $2 per 100; $17.50 per 1,000. Geo. A. Dhonau, Sta. H., Cincinnati, O.

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Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, trees and shrubs, price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Nursery stock, arbor vitæ (Thuya occidentalis) 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, large trees, oaks, maples, pines and hemlock. Andorra Nurseries, Chestnut Hill, Philadelphia.

Viburnum plicatum, all sizes up to 4 ft. The Conard & Jones Co., West Grove, Pa.

Nursery stock, fruit and shade trees, shrubs, evergreens. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. Storrs & Harrison, Painesville, O.

ORANGES.

Oranges, Kinkan. P. J. Berckmans Co., Augusta, Ga.

ORCHIDS.

Orchids, C. Trianæ, C. labiata, C. Schroederæ, C. gigas Sanderiana, C. Harrisoniæ, C. citrina, Lælia anceps. Oncidium varicosum Rogersii, O. ornithorhynchum, O. tigrinum, Odontoglossum Insleayi, O. Rossii majus, also orchid peat, sphagnum moss, baskets, etc. Carrillo & Baldwin, Secaucus, N. J.

Orchids, arrived in fine condition, C. Mossiæ, C. Gaskelliana, C. speciosissima and C. gigas Sanderiana. Ordonez Bros., Madison, N. J.

If you do not find what you need in our Ready Reference Department, write us about it.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England. New York office, room 1, 235 Broadway.

Orchids. Cattleya Dowiana, C. Trianæ, C. labiata., C. Gaskelliana, C. Mossiæ, Lælia Digbyana. Lager & Hurrell, Summit, N. J.

Orchids. Largest stock in the country. Ask for prices. Julius Roehrs Co., Rutherford, N. J.

PALMS.

Palms, Kentia Forsteriana, 5-in., 4 to 5 leaves, 20 to 24 ins., 75c each; $9 per doz.; 6-in., 4 to 5 lvs., 24 to 28 ins., $1 each; $12 per doz.; 6-in., 4 to 5 lvs., 24 to 30 ins., $1.25 each; $15 per doz.; 7-in., 5 to 6 lvs., 24 to 36 ins., $2.50 each; $30 per doz.; 8-in., 5 to 6 lvs., 36 to 40 ins., $3.50 each; $42 per doz.; 9-in., 6 to 7 lvs., 48 to 54 ins., $5 each; $60 per doz. Made up kentias, 3 in a pot, $5 each; $60 per doz. Belmoreana, 5-in., 5 to 6 lvs., 18 to 20 ins., 75c each; $9 per doz.; 6-in., 4 to 5 lvs., 20 to 22 ins., $1 each; $12 per doz.; 6 in., 5 to 6 lvs., 20 to 24 ins., $1.50 each; $18 per doz.; 7-in., 5 to 6 lvs., 24 to 26 ins., $1.75 each; $21 per doz.; 7-in., 6 to 7 lvs., 24 to 28 ins., $2.50 each; $30 per doz.; 8-in., 6 to 7 lvs., 30 to 36 ins., $4 each; $48 per doz.; 9-in., 6 to 8 lvs., 36 to 48 ins., $6 each. Phœnix Canariensis, in small tubs, $2.50 each. Cycas revoluta, 4-in., 25c each; 5-in., 35c; 6-in., 50c; 7-in., 75c and $1; 8-in., $1.25 to $1.50. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Palms, home-grown. Cocos Wedd., 2½-in., 8 to 10 ins., 10c each; 10 to 12 ins.,15c each. Kentia Bel., 6-in., 6 to 7 leaves, 22 to 24 ins., $1 each; $12 per doz.; 6-in., 6 to 7 lvs., 24 to 26 ins., $1.25 each; $18 per doz; 6-in., 6 to 7 lvs., 26 to 28 ins., $1.50 each; $18 per doz.; 6-in., 6 to 7 lvs., 30 to 36 ins., $2 each; $24 per doz.; 7-in., 6 to 7 lvs., 32 to 34 ins., $2.50 each; $30 per doz. Joseph Heacock, Wyncote, Pa.

Palms, Kentia Fors., 6 to 7-in., 36 ins., $2 each; 40 to 50 ins., $2.50 to $3; 6-in., 30 ins., $1.50; 6-in., 25 ins., $1; 6-in., 20 to 25 ins., 75c; 5 and 5½-in., 50c. Kentia Bel., 5¼ to 5½-in., 22 to 25 ins., 50c, 60c, 75c; 4-in., 20 to 22 ins., 35c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Cycas revoluta, 1 plant, 16-in. pot, 50 leaves; 1 plant in half barrel, 60 to 75 leaves; best offer will take them. Frank Bros., Beardstown, Ill.

Palms, Latania Borb., 2½-in., $4; 3-in., $7. Vaughan's Seed Store, Chicago and New York.

Palms, high class. Robt. Craig Co., Market and 49th Sts. Philadelphia.

Palms. P. J. Berckmans Co. Augusta, Ga.

Palms. L. Van Houtte, Pere, Ghent, Belgium.

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Pandanus Veitchii, specimens, $1.50 to $4 each. J. A. Peterson, McHenry Ave., Westwood, Cincinnati, O.

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Pelargoniums, named kinds, 4-in., $15 per 100. Vaughan's Seed Store, Chicago and N. Y.

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Peonies, a very choice collection, including the very best sorts. Festiva Maxima, strong divisons, $18 per 100. Queen Victoria, strong divisons, $7 per 100. Lists free. Other varieties in proportion. The E. Y. Teas Co., Centerville, Ind.

Peonies, the largest stock of best French varieties. Strong plants. Low prices. Catalogues free. Dessert, Peony Specialist, Chenonceaux, France.

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Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies, leading vars. W. & T. Smith Co., Geneva, N. Y.

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Petunias, double sorts, 2½-in., $4 per 100. Vaughan's Seed Store, Chicago and New York.

Petunias, dbl., 2-in., 1½c. Byer Bros., Chambersburg, Pa.

Petunias, dbl., 3-in., $3 per 100; $25 per 1,000. Perennial Gardens Co., Toledo, O.

POINSETTIAS.

Poinsettias, hard and soft wood, 2½-in. pots, $4 per 100. McIntyre Bros., Florists, Nashville, Tenn.

Poinsettias, 2½-in., $5 per 100; $45 per 1,000. S. S. Skidelsky, 1741 N. 18th St., Philadelphia.

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Primulas, Chinese giant fringed in 6 different colors from 2-in. pots, 2c. Obconica, Lattman and Ronsdorf, large flowering hybrids, 8 colors, fringed, 2 colors, transplanted from flats, ready now, 1c; from 2-in. pots in August, 2c. J. L. Schiller, 929 Prouty Ave., Toledo, O.

Primroses, Chinese single fringed, $2 per 100. Obconica, alba, rosea, $2. Gigantea and Kermesina, $3. Forbesi, "Baby," $2. Jos. H. Cunningham, Delaware, O.

Primroses, Chinese fringed, mixed, 2-in., 2c. Cash. Shippensburg Floral Co., Shippensburg, Pa.

Primula obconica, 2-in., $3 per 100. Vaughan's Seed Store, Chicago and New York.

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Rhododendrons. Jacs Smits, Naarden, Holland.

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Roses, grafted, Mrs. Jardine, Rhea Reid, Queen Beatrice, $6 per doz.; 50 for $18; $35 per 100. My Maryland, 50c each; $5 per doz.; $35 per 100; own root, 2½-in., $20 per 100; 3-in., $5 per doz. Standard vars.: Aurora, Bon Silene, Bride, Maid, Enchanter, Etoile de France, Franz Deegan, Gen. McArthur, Hermosa, Kate Moulton, La Detroit, M. Cochet, M. Niel, Rosalind Orr English, Wootton, Wellesley, White Cochet, grafted, 2¼-in., 20c each; $2 per doz.; $15 per 100; $120 per 1,000; 3-in., $18 per 100; $150 per 1,000. Own root roses. Killarney, Bride, Bridesmaid, 3-in., $8 per 100; $75 per 1,000. A. N. Pierson, Cromwell, Conn.

Roses, Mrs. Potter Palmer, 2½-in., $15 per 100; $125 per 1,000; 2,000 or more, $115 per 1,000; 3½-in., $18 per 100; $150 per 1,000. Cardinal, 2½-in., $6 per 100; $55 per 1,000; 3½-in., $8 per 100; $75 per 1,000. Maid, Uncle John, 2½-in., $4.50 per 100; $40 per 1,000; 3½-in., Maid, ready now, $6.50 per 100; $60 per 1,000. Benched Beauties, cut back, $6.50 per 100; $55 per 1,000. Am. Beauties, 2-in., $5 per 100; $45 per 1,000; 2½-in., $5.50 per 100; $50 per 1,000; 3-in., $7 per 100; $65 per 1,000; 3½-in., $8 per 100; $75 per 1,000; 4-in., $12 per 100; $110 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

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	Per 100.	Per 1,000
Brides	$3.00	$25.00
Maids	3.00	25.00
Richmond	3.00	
Uncle John, 2½-in.	3.00	25.00
Kate Moulton, 2-in.	3.00	25.00

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Maid, 2½-in.	$3.00 per 100
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Chatenay, 3-in.	4.00 per 100
Ivory, 3-in.	4.00 per 100

G. VAN BOCHOVE & BRO., Kalamazoo, Mich.

Roses, grafted, Chatenay, Killarney, Richmond, Liberty, La France, 3½-in., $18 per 100; Bride, Maid, Golden Gate, Kaiserin, 3½-in., $15 per 100; own root roses: Bride, Maid, Killarney, Richmond, Chatenay, 3-in., $7 and $9 per 100. J. L. Dillon, Bloomsburg, Pa.

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	Per 100.	Per 1,000
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Maids, 2½-in. pots	3.00	25.00
Richmond, 2½-in. pots	3.00	25.00

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Roses, 2½-in., Bride, Maid, Uncle John, Ivory, Sunrise, Kate Moulton, $4 per 100; $35 per 1,000. Bench plants: Am. Beauty, $6 per 100; $50 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

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Roses, Killarney, 2½-in., grafted on briar, $10; 2½-in., on manetti, $12. Beauties, 2½-in., $50 per 1,000. Kaiserin, 2½-in., $4.50 per 100; $40 per 1,000. Bassett & Washburn, 76 Wabash Ave., Chicago.

Roses, Killarney, grafted, 3½-in., $12 per 100; $100 per 1,000. Bride and Maid, own root, 3-in., $4 per 100; $35 per 1,000. Wellesley and Mme. de Watteville, 4-in., $5 per 100. S. J. Reuter & Son, Inc., Westerly, R. I.

Roses, 400 Bon Silene, 3-in., $4 per 100; 600 Bon Silene, 700 Chatenay, 200 Richmond, 2½-in., $2 per 100; 1000 Am. Beauty, 3-in., $5 per 100; 1000 2-in., $3 per 100. Harry Heinl, West Toledo, O.

Roses for forcing, grafted, Bride, Maid, Kaiserin, Killarney, Richmond, Wellesley, $10 per 100; $100 per 1,000. Jackson & Perkins, Newark, N. Y.

Roses, 400 Maid, 650 Bride, 275 Chatenay, 300 Richmond, 3½-in., $5 per 100; 125 Beauties, 3½-in., for $8. Good stock. The Lamborn Floral Co., Alliance, O.

Roses, grafted, Bride, Maid, Killarney, 4-in., $20 per 100. Own root, Bride, Maid, Richmond, 4-in., $7 per 100. C. H. Totty, Madison, N. J.

Rose plants, Richmond, fine 4-in., $6 per 100. Maid, Bride, Chatenay, Uncle John, in 2½-in., ready for 4-in., $3.50 per 100. William L. Rock Flower Co., Kansas City, Mo.

Roses, Kaiserin, 3-in., $4.50 per 100. Bride, Maid, Gate, Ivory, 2½-in., $2.50 per 100. Wm. B. Sands & Sons Co., Lake Roland, Md.

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Roses, leading varieties. Leedle Floral Co., Springfield, O.

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Roses for forcing. W. & T. Smith Co., Geneva, N. Y.

Roses a specialty. The Dingee & Conard Co., West Grove, Pa.

Roses, Bridesmaid, Meteor, 3-in., $3.50 per 100. Krueger Bros. Co., Toledo, O.

Roses, Bride, Maid, Richmond, 3-in. Geo. A. Kuhl, Pekin, Ill.

Roses, 3-in., Wood Bros., Fishkill, N. Y.

Roses. James Vick's Sons, Rochester, N. Y.

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Salvias, Bonfire, 2½-in., $3; 3-in., $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Salvia Zurich, 3-in., $3 per 100. Perennial Gardens Co., Toledo, O.

Salvias, 4-in., 5c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Salvias, R. C., $1 per 100; $8 per 1,000. S. D. Brant, Clay Center, Kans.

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Seeds, Asparagus plumosus nanus, 50c per 100; $1.75 per 500; $3 per 1,000. Sprengeri, 15c per 100; 40c per 500; 75c per 1,000. H. H. Berger & Co., 70 Warren St., N. Y.

Seed, pansy, 3,000 seeds, $1; ¼ oz., $1.50; ½ oz., $2.50; oz., $5; ¼ lb., $14; ½ lb., $25; 1 lb., $50. Peter Brown, 124 Ruby St., Lancaster, Pa.

Seeds, Asparagus plumosus nanus, per 1,000 seeds, $2. Sprengeri, per 1,000 seeds, 75c. W. C. Beckert, North Side, Pittsburg, Pa.

Seeds, Asparagus robustus, $2 per 1,000 seeds. Pansy, carnation, daisy and other seeds. J. M. Thorburn & Co., 33 Barclay St., New York.

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Smilax, 2¼-in., $1.25 per 100. Jos. H. Cunningham, Delaware, O.

Smilax, 2-in., $25 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Smilax, 2½-in., $2 per 100. Harry Heinl, West Toledo, O.

Smilax, $2 per 100. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Smilax, 2-in., 1½c. Byer Bros., Chambersburg, Pa.

Smilax, 2½-in., $2.50 per 100. Geo. A. Kuhl, Pekin, Ill.

Smilax. Wood Bros., Fishkill, N. Y.

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Spireas. Jacs Smits, Ltd., Naarden, Holland.

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Swainsona alba, 2-in., 1½c. Byer Bros., Chambersburg, Pa.

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Premium Late Flat Dutch and Large Late Drumhead cabbage plants ready for field now, $1 per 1,000; 10,000 at 75c per 1,000. Virginia Nursery Co., Purcellville, Va.

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Violets. Wood Bros., Fishkill, N. Y.

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Vinca var., 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

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Guttman, Alex. J., 34 W. 28th St., New York.

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Murdoch, J. B. & Co., 714 Penn Ave., Pittsburg, Pa.

Niessen Co., Leo, 1208 Arch St., Philadelphia.

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Weiland & Risch, 59 Wabash Ave., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

Wittbold, Geo. Co., 1657 Buckingham Pl., Chicago.

Woodrow, Samuel A., 53 W. 30th St., N. Y.

RETAIL CUT FLOWERS.

Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree St.

Albany, N. Y.—H. G. Eyers, 11 N. Pearl St.

Boston—Houghton & Clark, 396 Boyleston St.

Brooklyn, N. Y.—Robt. G. Wilson, Fulton St. and Green Ave.

Buffalo, N. Y.—Palmer's.

Chicago—Hauswirth Florist, Auditorium Annex.

Chicago—Wittbold, Florist, 1657 Buckingham Place.

Dayton, O.—Mathews, 16 W. 3rd St.

Denver, Colo.—Daniels & Fisher.

Denver, Colo.—The Park Floral Co.

Detroit, Mich.—John Breitmeyer's Sons, cor. Miami and Gratiot Aves.

Evansville, Ind.—The Blackman Floral Co., 402 Main St.

Galveston, Tex.—Mrs. M. A. Hanson.

Honolulu, Hawaii—Mrs. Ethel M. Taylor, 1071 Bishop St.

Indianapolis, Ind.—Bertermann Bros. Co., 241 Mass. Ave.

Kansas City, Mo.—Alpha Floral Co., 1105 Walnut St.

Kansas City, Mo.—Geo. M. Kellogg, 906 Grand Ave.; also Pleasant Hill, Mo.

London, Eng.—Wills & Segar, Onslow Crescent, So. Kensington.

Los Angeles, Calif.—J. W. Wolfskill, 218 W. 4th St.

Louisville, Ky.—J. Schultz, 644 4th Ave.

New Orleans, La.—U. J. Virgin, 833 Canal St.

Omaha, Neb.—Hess & Swoboda, 1415 Farnam St.

Philadelphia, Pa.—Robt. Kift, 1725 Chestnut St.

Rochester, N. Y.—J. B. Keller Sons, 25 Clinton St.

San Francisco, Calif.—J. B. Boland, 60 Kearny St.

St. Louis, Mo.—Fred C. Weber, 4320-28 Olive St.

St. Louis, Mo.—Young's 1406 Olive St.

St. Paul, Minn.—Holm & Olson.

Seattle, Wash.—Woodland Seed & Floral Co., 808 2nd Ave.

Terre Haute, Ind.—Jno. G. Heinl & Son.

Washington, D. C.—Z. D. Blackistone, 14th and H Sts., N. W.

Washington, D. C.—A. Gude & Bro., 1214 F St.

BOILERS.

Boilers, corrugated, firebox and sectional greenhouse heating. Hitchings & Co., 1170 Broadway, New York.

Boilers, improved greenhouse boilers, made of best material; shell firebox sheets and heads of steel; water space all around (front, sides and back). Kroeschell Bros. Co., 45 Erie St., Chicago.

Boilers, the Superior improved internal fired boiler. Made in 10 sizes to heat from 2,000 to 6,500 feet of 4-in. pipe. Superior Machine and Boiler Works. 125-133 W. Superior St., Chicago.

Boilers, Myers & Co., 1122 Betz Bldg., Philadelphia.

Boilers, the Burnham boilers, made for greenhouse heating. Lord & Burnham Co., 1133 Broadway, New York.

Boilers, boilers of high grade for greenhouses. Steam or hot water. Giblin & Co., Utica, N. Y.

Boilers, steel return tubular, steam or water. Johnston Heating Co., 138 E. 31st St., N. Y.

Boilers, water tube steam boilers. King Construction Co., North Tonawanda, N. Y.

Economy hot water heater. Thomas & Smith, 24 So. Carpenter St., Chicago.

Boilers, S. A. Jacobs & Sons, 1365 N. Flushing Ave., Brooklyn, N. Y.

BOXES.

Cut flower boxes. Send for prices. Edwards Folding Box Co., Philadelphia, Pa.

BUILDING MATERIAL.

Building material, hotbed sash, cypress, unglazed, 95c each; in doz. lots, 90c; glazed, $1.65 each; doz. lots, $1.60. Pine sash, unglazed, 90c; doz. lots, 85c; glazed, $1.60; doz. lot, $1.55 each. Building hardware, wire and wire fencing bolts, hatchets, hammers, etc. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Building material, lumber for greenhouse benches, shiplap, drop siding, sheeting, flooring, white cedar posts, etc. We are in special position to furnish "Pecky Cypress;" everything in pine and hemlock building lumber. Adam Schillo Lumber Co., cor. Weed and Hawthorn Sts., Chicago.

Building material, cypress sash bars, Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pipe fittings, and all supplies needed in new or reconstruction work. Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouses and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress, semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Headquarters in Canada for Cypress Sash Bars or anything in wood for building purposes. Established 1851. John B. Smith & Sons, Ltd., Toronto, Can.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Deitsch Co., 617 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

FERTILIZERS.

Wizard brand pulverized sheep manure, large barrel, $4. The Pulverized Manure Co., 52 Union Stock Yards, Chicago.

Dried and ground SHEEP MANURE. Nature's product unadulterated. For particulars address Natural Guano Co., Aurora, Ill.

HOSE.

A. "SHOWERMAKER," $1. Jos. Kopcsay, So. Bend, Ind.

INSECTICIDES.

Fresh tobacco stems; 50c per 100 lbs.; $10 per ton. Scharff Bros., Van Wert, O.

KNIVES.

Razor steel, hand forged, postpaid. Propagating, 50c; budding, 35c; grafting, 25c; pruning, 75c. Cat. free. Maher & Grosh Co., 91 A St., Toledo, Ohio.

MISCELLANEOUS.

Everlasting tile benches, hollow tile, partition tile, fire proofing, and other clay products. The Camp Conduit Co., 718 Garfield Blvd., Cleveland, O.

Pillsbury's Carnation Staple, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

Bostrom's Improved Builders' levels and farm levels. Builders' level, $25; farm level, $12.50. Bostrom-Brady Mfg. Co., 130 Madison Ave., Atlanta, Ga.

Galvanized wire stakes and tying wire. Also Model Plant Support. Igoe Bros., 63 Metropolitan Ave., Brooklyn, N. Y.

Mission plant boxes. Wagner Park Cons., Sidney, O.

Perry Pneumatic water system. Write for particulars. United Pump and Power Co., Old Colony Bldg., Chicago.

Engravings. Best engravings and illustrations of every description for catalogues. Send for estimates. Globe Eng. & Elec. Co., 427 Dearborn St., Chicago.

POTS, PANS, ETC.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

FREE to Florists—Sample box of RED POTS. George E. Feustel, Fairport, Iowa.

If you do not find what you need in our Ready Reference Department, write us about it.

St. Paul.

STOCK VERY POOR.

Business has now dropped off to the summer dullness. The only thing doing to speak of is a few belated wedding orders and an occasional spurt in funeral work. All cut flower stock outside of lilies is very poor, roses especially, and scarce at that. Peonies are practically all gone except for some cold storage stock, which is not very satisfactory. Outdoor sweet peas are late, owing to the wet dark weather, and a great many have been destroyed by grub, worm, etc. A few asters have made their appearance, but not good enough except for design work. The week of July 12 is being looked forward to as a busy one, owing to the Shriners' conclave, which is booked for here then. Some good sized orders have already been received. The parks have all been planted with the different Shriners' emblems, such as pyramids, fezes, crescent, star and scimitars, etc., and attract a good deal of attention. The work has been done under the direction of Fred Nussbaumer, who was lately made a member of the order, and the designing is very well done.

NOTES.

The flower exhibition of the Minnesota Rose Society was a big success this year. There were over 200 entries, comprising all sorts of garden flowers. The campanulas, delphiniums and sweet williams were worthy of especial mention. There was also an exhibit of English and Spanish irises which was unusually fine.

Frank Gustafson has nearly completed rebuilding a part of his houses. When finished this plant will be one of the best in this vicinity.

There is very little sport among the members of the trade here now, a few of them contenting themselves with a day or two of fishing.

F. & W. Topel have dissolved partnership, Fred Topel continuing the business. O.

Spokane, Wash.

At the recent rose show at All Saints parish house Mrs. J. P. Graves showed some very lovely Ulrich Brunner roses, which received first prize. Mrs. Crombie was also a successful exhibitor, showing La France. H. W. Axtell was first for the largest variety from one garden, showing 48 varieties and an urn from the garden of H. M. Richards, containing roses, was second. Other fine exhibits were noted in the cut flower classes and the table decorations.

The Delamothe Natural Art Decorating Co., of Spokane, was recently incorporated for $150,000, with the following officers: L. G. Delamothe, president; Col. A. M. Dewey, vice-president; Joseph A. Borden, secretary; Dr. A. Starke Oliver, treasurer; E. J. Hyde, general manager. Its purpose is to make this the rose city of America.

DENVER, COLO.—A beautiful new dahlia has been named Mrs. W. K. Jewett by W. W. Wilmore. The color is apricot.

VALUE FOR YOUR MONEY.

Tile Benches

Give us size of your benches and let us name you a delivered price.

Manufacturers: THE CAMP CONDUIT CO
718 Garfield Bldg., Cleveland, O.

Florists' Refrigerators

Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

McCray Refrigerator Co. 760 Mill Street, KENDALLVILLE, IND.

L. BAUMANN & CO.,

76-78 Wabash Avenue, CHICAGO.

THE GREAT CENTRAL FLORIST SUPPLY HOUSE.

Everything in Florist Supplies, such as Baskets, Chiffons, Etc., Etc

After July 1 will be at 118 E. Chicago Ave.

A sample room will be maintained at the old address.

SEND FOR OUR COMPLETE CATALOGUE.

Garman's Antipest

INSECTICIDE AND FUNGICIDE

For the Garden, Orchard and Greenhouse

Non-poisonous and harmless to vegetation.

Kills Green Fly, Aphides, Bark Lice, Thrips, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

This is the Grower's Friend, handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. $1.50 per gallon. Also in quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO., FLUSHING, N. Y.

THE BEST Bug Killer and Bloom Saver

For PROOF Write to

P. R. PALETHORPE COMPANY,

OWENSBORO, KY.

WHOLESALE FIRMS (Horticultural) are invited to correspond with the manufacturers of

"KILOGRUB,"

The World's Remedy for Wireworms and All Insects in the Soil. Address

John Peak & Co., Chemical Manufacturers, Wigan, Lancashire, Eng and.

Cattle Manure In Bags Shredded or Pulverized

Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.

The Pulverized Manure Co., 32 Union Stock Yards, Chicago

WEIGEL & UJFALUSSY

Successors to Emil Steffens

Manufacturers of Florists' Wire Designs and Supplies. Established 1866.

136-138 W. 28th St. New York City.
Telephone 1922 Madison Sq.

Anything in the line of wire work and designs not listed in our catalogue will be made up promptly on short notice.

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to Subscribe to the

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Published weekly. The Largest Brightest and Best British Trade Publication. Also

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Published quarterly. Annual subscription for weekly and quarterly numbers, One Dollar, (International money order). Subscribe today and keep in touch with European markets and topics.

The Horticultural Printing Company
BURNLEY, ENGLAND.

THE ART OF Floral..... Arrangement.

The first special newspaper in the world for floral arrangement.

250 ILLUSTRATIONS ANNUALLY.

Specimen number free.
Subscription, $2.40 yearly.

BINDEKUNST-VERLAG,
J. Olbertz, ERFURT, GERMANY.

Le Journal des Roses

Organ of the French Rosarians.

Published at Paris. Once a month with colored plates.

Subscription $2.70 per year. Sample copies free

ADMINISTRATION DU JOURNAL DES ROSES
a SUISNES, Brie
Par Grisy-Suisnes. (Seineet Marne), FRANCE

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the Horticultural traders; it is also taken by over 1000 of the best continental houses. Annual subscription to cover cost of postage 75c; Money orders payable at Lowdham, Notts.

Address Editors of "H. A."
Chilwell Nurseries, LOWDHAM, Notts, England

For Best Results Advertisers should mail new advertisements and changes so as to reach us on Mondays.

The Allied Trades

Descriptive particulars—with drawings or photographs, if possible—of any new apparatus or device which may prove helpful to the trade are solicited for this department.

Rates on Greenhouse Building Material.

The following communication will be of interest to greenhousemen and greenhouse builders at this time:

June 19, 1908.

F. O. BECKER, Chairman,
Western Classification Committee,
Great Northern Bldg., Chicago.

Dear Sir: In making shipments of our goods throughout the west we are having considerable trouble owing to the fact that there is no way of shipping mixed carloads of what we term greenhouse material. We are shut out of a great field due to the fact that we cannot ship mixed carloads on a sufficiently low rate to get the business or to make it interesting for the prospective buyer of our class of goods. We respectfully request that you give us a fifth-class rating on carloads of our material, and pursuant to our application for a fifth-class rating on what we term "greenhouse material" in carloads would state that the average carload of this material or commodity would be made up about as follows:

Common pine lumber, 10,000 pounds (fourth-class L. C. L.).
Common pine mouldings, 4,000 pounds (third-class L. C. L.).
Common unglazed sash, 1,000 pounds (second-class L. C. L.).
Iron castings (rough), 1,500 pounds, fourth-class L. C. L.).
Iron pipe (wrought), 1,000 pounds, fourth-class L. C. L.).
Common window glass (small), 10,000 pounds, (fourth-class L. C. L.).
Putty, 500 pounds (fourth-class L. C. L.).
Average weight of car 25,000 to 30,000 pounds.

In many instances we can, by the application of the carload lumber rate, plus one cent per 100 pounds for articles taking higher than lumber rate, and the application of fourth-class L. C. L. rate on balance of the items enumerated above, make a lower rate than would be assessed on a fifth-class rate on the entire consignment, figured on a basis of a minimum weight of 30,000 pounds for the car. However, it would be possible to do this, and these conditions would obtain, to only such nearby points as have a comparatively low rate on lumber, say seven or eight-cent rate.

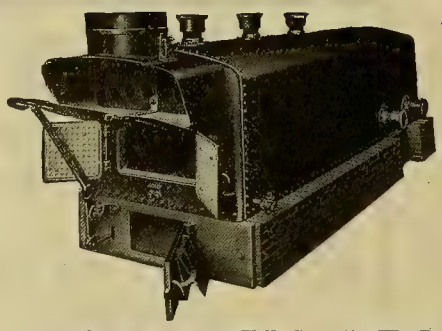
To points on western trunk line territory, and to points west of this territory, we have found by experience where we have been obliged in making up carloads to apply the L. C. L. rates of second class on the common unglazed sash, the L. C. L. rates of third class on the common pine mouldings and the L. C. L. fourth-class rates on balance of the list, that it makes shipping prohibitory, resulting very frequently in loss of sales by us and loss of revenue by the transportation lines. To all these points we cannot successfully ship and compete with local dealers, and the result follows that the man who is going to put up greenhouses builds them with locally improvised materials on which interested lines did not get a revenue or handle as freight. Far western points cannot be reached, as they use cedar, fir and other local woods for the houses, having the material made by local planing mills, whereas with a fifth-class rate we could get the business. Our class of goods are the goods that the greenhouseman wants for his houses, and if it were not for the excessive freight charges he would buy them rather than put up something inferior in construction and in quality of materials used. A fifth-class rating on "greenhouse material" would result in increased tonnage for the railroad lines and would tend to educate the people in the territory mentioned toward buying goods in this market. It would lessen their dependence on local industries that are not equipped to furnish the goods that a man wants, but which he is forced to buy on account of the excessive tariff on this class of goods. The application of a fifth-class rate would enlarge our business along with the business of several other firms in this market who are making and selling the same class of material as mentioned in this letter.

Reference to classification 44 shows that in a number of instances mixed carloads made up for the benefit of dealers in a particular and special line of business are permitted; notably among them is creamery supplies and cooling room material and machinery, which, by the way, is much higher grade of freight than the class of goods which we are shipping. Creamery supplies, cooling room materials and machinery, while a higher grade of freight, can be shipped at a lower carload minimum weight than we request you to establish on our greenhouse materials. We would further point out that under the Illinois and official classifications we are enabled to ship mixed carloads at the carload rate and at the highest minimum for any article contained therein. We give here two specific cases where shipments were made and these will show at a glance the difference between shipping as mentioned in the first part of this letter and shipping under the official classification. A carload of greenhouse materials made up as follows is to be shipped to Denver, Colo.:

	Pounds.	Rate.
Lumber	10,000	$0.97
Mouldings	3,000	1.25
Sash	600	1.65
Castings	950	.97
Glass	10,500	.97
Putty	500	.97
Pipe	1,250	.97

With these rates it is almost impossible for us to get much Denver business, but if we had the fifth-class rates on the carload we could send it at 77 cents and get the business. This would save the consignee 20 cents per 100 pounds, you would get the haul and the revenue and we would increase our sales. Take the same car to Columbus, O., and we could ship it on a 15-cent rate on the basis of a 36,000-pound minimum. We respectfully request that you consider our petition for a fifth-class rating on greenhouse materials.

JOHN C. MONINGER CO.
Chicago, June 19, 1908.



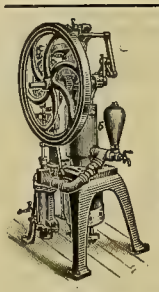
SEE HOW WELL THEY LIKE ME

150 New Establishments with 2,158,000 square feet of glass have installed this boiler in 1906.

Ask for list of users and get acquainted with the men who know.

Catalogue and prices on application.

KROESCHELL BROS. CO., 45 Erie St... ...CHICAGO

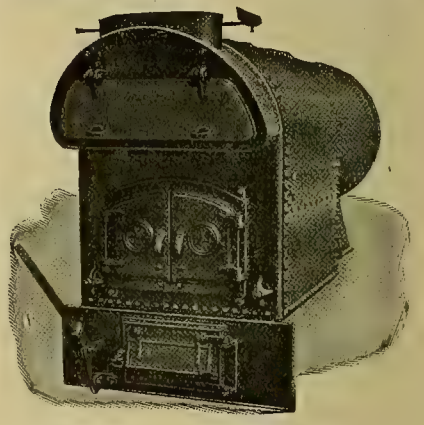


GREENHOUSE Water Supply

Best secured by the ECONOMY Hot Air PUMPING ENGINE. pumping direct or in conjunction with any kind of tank. No depending on the wind or unreliable machinery which fails when most needed Use any convenient fuel. Simple as a stove. Send for Free Book.

THOMAS & SMITH,
24 So. Carpenter Street. CHICAGO

STEEL RETURN TUBULAR
Steam BOILERS Water



WHAT F. R. PIERSON SAYS:

JOHNSTON HEATING CO., New York City.
Gentlemen —The internally fired steel boilers which you installed last fall are giving us great satisfaction. They heat very quickly and are very economical. We are exceedingly well pleased with them and they have more than met our expectations. Very truly yours, F. R. PIERSON CO.

Johnston Heating Co., 138 East 31st. St. NEW YORK CITY

Write for catalogue and prices.

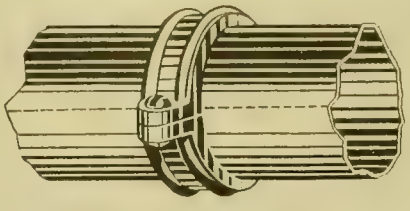
Superior to All Others
FOR HOT WATER HEATING.

Superior Machine & Boiler Works
125 W. Superior St., CHICAGO, ILL.

Write for prices and catalogue.

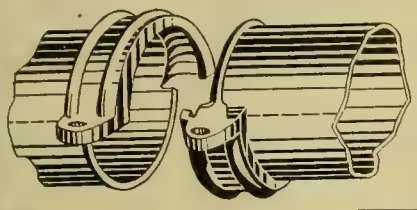
SANDUSKY, O.—The board of public service has practically decided to locate the city greenhouse upon Monroe street, facing the Ninth ward school. The decision of the board means that the original plans of the greenhouse will have to be altered, but it is thought that the cost of the building will be materially reduced.

Stuttle's Patent Pipe Clamp



Especially adapted for joining old boiler tubes now so generally used in hot-water heating of greenhouses. Also it is invaluable for utilizing old cast-iron pipes which otherwise would be consigned to junk pile.

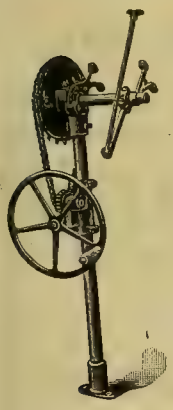
Easy to put on in any position and even more easily removed.
Cheap as the cheapest joint in use and 100 per cent superior.



HENRY STUTTLE,

Inventor and Patentee.

BATAVIA, - ILL.



The Advance Ventilating Apparatus

It is what our line does, the ease with which it does it, its neatness, lasting qualities, all at fair prices, that makes friends of our customers and brings us the orders. Why not give us a trial? Write us about our new pipe couplings. Best thing on the market.

THE ADVANCE CO.
RICHMOND, IND.

Tacoma, Wash.

We have experienced unusually cold and backward weather and consequently all outdoor flowers, as well as garden vegetables, are late. Roses are weeks later than usual and sweet peas are nearly a month late. Lateness of season has extended the season of good business in the stores and while some complaint is made of poor business the trade has kept up fairly well and good flowers are plentiful. Outdoor planted stock has started poorly after transplanting to the open but now that it is started we look for good stock. Among carnations Lawson is a failure and most growers are not going to put in many. It does not sell and Enchantress still leads. White Enchantress and Lady Bountiful are always good and White Perfection is fine. The outdoor two-year-old roses were not so much in demand as in past seasons for bedding. Caroline Testout leads them all in beauty except Kaiserin and General Jacqueminot.

TACOMA.

FORT DODGE, IA.—Articles of incorporation were filed June 28 with the county recorder by officers and stockholders of the North Floral Co. The company is incorporated for $10,000, $3,000 of which is already paid up, the remaining $7,000 to be converted into stock. Otto Hansen is named president, in the articles of incorporation, J. H. Schaffner, vice-president, and Elmer E. Nordwall, secretary and treasurer. The work of preparing the grounds for the site of the greenhouses at the corner of Eighth avenue north and Sixteenth street, has been completed, and the erection of the buildings started. Messrs. Hansen and Nordwall have been connected with the P. L. Larson greenhouses.

FLORISSTS

MADE AND SAVED
BY USE OF

MOREHEAD Return Steam Traps.

GEO. A. KUHL,
Wholesale and Retail Florist.

PEKIN, ILL., July 3rd, 1908.

MOREHEAD MFG. CO., Detroit, Mich.

Dear Sirs:—I can testify to the fact that we think your Trap a wonderfully good thing, because it kept all pipes in our twenty-three greenhouses perfectly clear and good healthy steam in them all the time, where the original pump heretofore had not done anything like it. Will be glad at any time to give you more information in regard to the same. Very respectfully yours, GEO A. KUHL,

WRITE FOR FLORISTS' BOOKLET.

Morehead Mfg. Co, 1047 Grand River Avenue. .. .DETROIT, MICH.

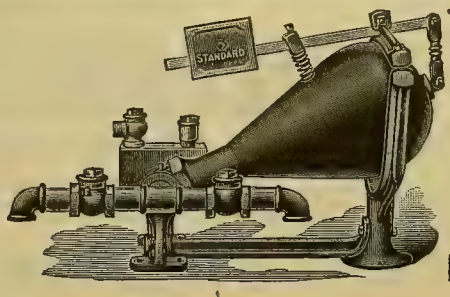
We will stake our IMPROVED METHOD OF HEATING

against any other steam or Hot water system of heating on **every point necessary** for a **satisfactory heating system.**

We secure a **greater flexibility** of the heating medium, also secure **economy** in **installation** and in **fuel** for **operation.**

We guarantee users of our systems against infringements.

SIMONDS HEATING & SPECIALTY CO.,
103 Washington Ave., DETROIT, MICH.



The Standard Steam Trap,

Has established a record far above that that of any other trap for Florists; being very simple, durable and easily taken care of.

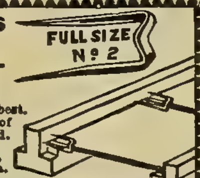
Catalogues of the **Trap, Duplex Gutter,** and **Standard Ventilating Machinery,** mailed free upon application.

E. HIPPARD, Youngstown, O.

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with and putty, Lasts longer than putty. Easy to apply.

MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
170 Fulton St.,
NEW YORK

Holds Glass Firmly
See the Point
PEERLESS
Glazing Points are the best.
No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER,
714 Chestnut St., Phila., Pa.



SIEBERT'S ZINC
Never Rust
GLAZING POINTS
Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes ⅝ and ⅞, **40c** per lb., by mail 16c extra; 7 lbs, for **$2.50** 15 lbs. for **$5.00** by express. For sale by the trade
RANDOLPH & McCLEMENTS, Successors to Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.

Lock the door before the horse is stolen, and Insure your glass before it is broken.
For particulars concerning Hail Insurance, address
JOHN G. ESLER, Secretary,
SADDLE RIVER, N. J.

STENZEL GLASS CO.,
GREENHOUSE GLASS.
French and American "WHITE ROSE" Brand.
2 Hudson St., NEW YORK.

Toledo, O.

JUNE BUSINESS GOOD.

Business has now settled down as usual in summer, and all one hears is satisfaction. While many complained earlier in the season trade was not up to last year, the volume as looked at now, has been bigger, June turning out unexpectedly. Our boys are now all busy cleaning up and planting chrysanthemums; new houses are going up and old ones that needed repairing getting attention.

NOTES.

J. L. Schiller's new house is ready and planted almost entirely with Golden Glow chrysanthemum: his cyclamens and primroses are looking very well in frames, while on his farm half an acre of asters will be ready to cut very shortly.

Peck's two houses are all ready but the glass. His youngest daughter, Grace, was married June 29, to O. F. Holloway; the church was elaborately decorated, a big crowd attending.

The Florists' Club seems to have lost its starch during these hot days; no one appears on club nights and we intended to have a long talk about our first picnic.

Chas. Schramm and F. Schoen both lost their mothers recently through death and have the sympathy of the trade.

S.

Cypress Hot Bed Sash, 90c

This Hot Bed Sash is absolutely brand new and first-class in every particular. We bough 5000 of them at a sale and give you the benefit of our low purchasing price. This sash is 3x6 ft., 1¾ in. thick. 4 rows 7-in. glass dozen lots, 90c each. When ordered in single lots, 95c each.
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4c per ft. Brand new **"Competition" Garden Hose,** size ¾-in., 50 ft. lengths with couplings, per length, $2.00. Standard grade guaranteed **Rubber Garden Hose,** ¾-in., 50 ft. lengths with couplings 3-ply, per ft., 7c; 4-ply, per ft., 9c; 5 ply, per ft., 10c. **Lawn Sprinklers,** 25c. **Hose Reels,** 75c.

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HARDWARE Everything in the line of Building Hardware. Wire and Wire Fencing, Bolts, Hatchets, Hammers, Axes—everything needed in the home, the field or the greenhouse.

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NOW READY 1908 EDITION **Trade Directory.**

The American Florist Company's Directory of Florists, Nurserymen and Seedsmen of the United States and Canada.

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DIRECTORY REVISION.

We are revising our **Trade Directory** of the **Florists, Nurserymen, Seedsmen,** etc., of the United States and Canada, and as there have been many changes in firm names and considerable extension of the area under glass, nursery grounds, etc., you would greatly oblige by filling out this sheet.

When was business established?.....

Whom did you succeed?.....

Are you a Florist?.....

Grower?.....*Retailer?*.....

*How many square feet under glass?**.....

Are you a Nurseryman?.....

Wholesale?.....*Retail?*.....

How many acres operated?.....

Are you a Seedsman?.....

Dealer?.....*Grower?*.....

What are your specialties?.....

.....

Firm name.....

Proprietor's name.....

Manager's name.....

Street.....

Postoffice.....*State*.....

*☞ To ascertain the number of feet under glass in a given house, multiply the length (145 feet) by the width (12 feet) and you have in that house 1,740 feet under glass, thus.....

145
12
1,740

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We also list all lines of **Horticultural Supply Concerns,** such as manufacturers of

Greenhouse Building Materials, Boilers, Ventilators, Glass, Insecticides, Pots, Labels, Seed Bags, Fertilizers, Wire Designs, Tinfoil, Vases, Implements, Machinery, Sprayers, Seed Cases, Etc.

The specialties are also listed under these heads in the case of advertisers.

Advertising Rates.

Including Copy of New Edition.

Page (3½x6½ ins.)	$25.00
Half page (3½x3¼ ins)	15.00
One-fourth page (3½x1⅝ ins.)	9.00

If there are any new firms or trade changes in your vicinity, please give the particulars here:

.....

.....

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☞ **PLEASE FILL IN THESE PARTICULARS AND MAIL THIS SHEET TO**

American Florist Company,

Directory Department. **324 Dearborn Street, CHICAGO.**

Louisiana Red Cypress

As described by Bassett & Washburn.

CHICAGO, Nov. 20th, 1906.

Dear Sirs:-- Replying to your favor requesting our experience with Pecky Cypress, we will say, we have been using this grade of Cypress in our greenhouses and plant benches for the last **ten or twelve years** and so far **have not found any of this wood that has all rotted out.** We formerly used Hemlock and Pine but found that 2-inch stock only lasted about four years while so far we have had no Pecky Cypress rot out in ten or twelve years. We use clear Cypress for all our roof work, ventilators, etc., and it is very satisfactory. **We think it is the only kind of lumber for the purpose.**

IT IS THE MOST DURABLE WOOD KNOWN. Ask about it at your local lumber yard or write

LOUISIANA RED CYPRESS CO. HIBERNIA BUILDING, **New Orleans, La.**

Newport, R. I.

THE ANNUAL ROSE SHOW.

The exhibition of plants, fruits, roses and other cut flowers under the direction of the Horticultural Society opened June 23. The show, although not as large as other years, was an excellent one, the variety and quality of the exhibits surpassed all former shows, and it was a decided success.

Some of the most interesting features of the show were the following: A table of begonias, gloxinias and thunbergias exhibited by Mrs. W. G. Weld, of especial interest because of the excellency of the begonias; a very attractively arranged group exhibited by Mrs. Robert Goelet. Two specimen ferns shown attracted much attention. Nothing like them has ever been seen here in competition before.

Mrs. E. J. Berwind in the special exhibits showed the new rose, Princess Marie of Salm, which had been cultivated by her gardener, Bruce Butterton. The rose came originally from Germany, and is not considered especially beautiful, being valued only as something new and uncommon.

The following special awards were made: Mrs. T. O. Richardson, certificate of merit for vase of dahlias.

Mrs. Winthrop Chanler, gratuity for vase of seedling delphiniums, honorable mention for a sweet william Newport Pink, a bronze medal for Sutton Queen, a new sweet pea.

J. G. Leikens, gratuity for specimen kentia.

Mrs. E. J. Berwind, certificate of merit for new rose Princess Marie of Salm.

Mrs. W. G. Weld, gratuity for table exhibit of begonias, certificate of merit for gloxinias, and silver medal for excellency of begonias.

Mrs. H. D. Auchincloss, honorable mention for cauliflower, gratuity for water lilies and collection of annuals, and honorable mention for display of Canterbury bells.

A. McLellan, gratuity for vase of delphiniums, digitalis, and lychnis.

W. S. Sisson, gratuity for a cactus.

J. Harriman, certificate of merit for display of Canterbury bells, and Mrs. E. C. Post a similar award.

Miss A. Keteltas (Wm. Matson, gardener) certificate of merit for seedlings of sweet william, Canterbury bells and cosmos, Lady Lenox.

Mrs. S. B. Fay of Wood's Hole, Mass. (M. H. Walsh, gardener), gratuity for vases of Mrs. John Laing, Clio, and Mrs. Sharman Crawford hybrid roses.

Mrs. Robert Goelet, gratuity for specimen kentia.

The judges were, Bruce Butterton, Paul Volquardsen and John Baumgartner. Z.

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which greatly increases their attractiveness and decreases the shade. One means a constant satisfaction; the other, unequalled productiveness.

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BOSTON, MASS.—Fewer made up bouquets are being sent to the schools for graduations this year but a greater part of the graduates are receiving boxes of loose cut flowers directly at their homes with the congratulations and good wishes of their friends. L. C. Margot of Center street says this does away with the objections of the old way and is quite as pleasing to the favored ones.

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THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXX. **CHICAGO AND NEW YORK, JULY 18, 1908.** **No. 1050**

THE AMERICAN FLORIST

TWENTY-THIRD YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—FRANK H. TRAENDLY, New York, Pres.; W. N. RUDD, Morgan Park, Ill., Secy.; H. B. BEATTY, Pittsburg, Pa., Treas. Next meeting at Niagara Falls, N. Y., August 18-21, 1908.

TRADE EXHIBITION MANAGER—Chas. H. Keitsch 210 Main St., Buffalo, N. Y.

THE NATIONAL FLOWER SHOW.

CHICAGO, November 6-15, 1908.

Wm. F. Kasting, Buffalo, N. Y., is chairman of the general committee in charge. Chairmen of sub-committees follow:

EXECUTIVE AND FINANCE—Wm. F. Kasting, Buffalo, N. Y.
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The above chairmen have power to select their Various committees from the general committee of 50 or the members of the S. A. F. at large.

THE AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Annual convention at the twin cities, St. Paul and Minneapolis, Minn., August 11-14, 1908. JOHN F. COWELL, Buffalo, N. Y., president: F. L. MULFORD, Harrisburg, Pa., secretary-treasurer.

Maybe a Climbing Nasturtium.

Sporting Editor—Here's a fellow on the telephone wants to know what is "In vino veritas."

Horticultural Editor—I've lost my floral catalogue, but take a chance and tell him it's a cross between a Crimson Rambler and a poison ivy.

SUGGESTIONS FOR PLANT GROWERS.

Asparagus Plumosus.

The seedling plants in flats should be getting strong now and a few hundred may be potted to grow on for Christmas, when they will make useful little stock for use in fern dishes, small baskets and other popular devices. Avoid breaking the roots when potting and also take care of the young shoots that are springing from the base, as these form the new plant. Keep the pots small, as they may be more easily worked into the dishes, etc., and the plant does not need a great amount of root room in a small state. Stock now in 2½-inch pots may be repotted into 4-inch, and, given good culture from now on, will make elegant little stock by Christmas.

Pentas Lanceolata.

To save labor in watering, this pretty little plant is sometimes set out in summer and potted in fall, but where it can be kept in pots all the season the plants keep more compact. Spring struck cuttings may now be potted into 5-inch and grown on in a light, cool house, with full air on night and day, or in frames or protectors similarly treated. Keep the flowers picked out as they appear and pinch the young shoots to maintain a bushy habit. About November let them go to flower and by midwinter they are splendid little bushes. The flowers are pure white and the plant is much better in habit than the old P. carnea, which is too loose to make a nice pot plant.

Primulas.

Never allow seedling primulas to be checked by remaining in the seedbed too long. As soon as they are in the rough leaf and strong enough to stand transplanting, prick them out two inches apart in flats to gain strength before potting. The seedlings are very brittle and must be carefully handled, as if the leaves are broken the plants are checked at the outset. In pricking them out or potting when necessary avoid covering the crowns or allowing the plants to swing. The shading must be judiciously used, and as the little plants develop they must be kept well apart to prevent drawing. After they are established shading is only necessary on the brightest days and for a short time in the middle of the day. If the lights are left off or tipped to admit plenty of air they will stand the sun for the greater part of the day. Keep the dead leaves picked off any old plants that are being held over and do not allow them to flower.

Araucarias.

Why some growers have their benches empty at this time of year is difficult to understand. Araucaria excelsa is always a good seller, especially around Christmas, and stock purchased now and grown on will be worth almost double its price by the end of the year. This araucaria does not want heat and is not particular as to situation as long as it is sufficiently shaded from sun to prevent injury to the foliage. Lath houses for the summer or even well ventilated frames are suitable growing quarters. Stock is offered by advertisers sufficiently re-established to travel safely, and a few days in a rather close, moist atmosphere will insure their taking no harm. Keep up a moist, cool atmosphere about the plants right along and see they do not suffer for want of water at the root. Light spraying in hot weather several times daily is an advantage.

Cyclamens.

The earliest sown cyclamens should by this time be ready for a shift from 2½-inch pots, and, if they are well rooted, may go into 5-inch pots right away. There is no danger in a large shift to plants that are judiciously watered afterwards, but if this work is left to inexperienced help, with no interest beyond getting the day in, then it is safe to prophesy disaster, for some of the pots will be soaked out with water and others, probably, will not have enough. The correct treatment for them is to place them in a light position, yet shaded from bright sunlight; keep the hose going between the pots to prevent rapid drying and just keep the soil a little moist so the roots will run freely. Light spraying overhead is also effectual in keeping the foliage plump after potting, but it is easily overdone. Keep the temperature around 60° at night, with sufficient air to keep the atmosphere moving, and the plants will soon commence to grow with a will, covering the pots with foliage and making up grand bulbs to flower later.

Decorative Stock.

There are so many small decorative plants that are useful in making up different devices that there is absolutely no reason for the sameness that so often prevails in these at Christmas, Easter and other times. Some of the smaller foliage begonias are excellent for this purpose and easily raised, either by cutting up the stems and rooting them or by laying the leaves on pots of sand and breaking the midribs in various places to induce the formation of young plants to be afterwards potted and grown on. Fittonias again are easily raised from cuttings inserted at any time when room can be spared. There is great variety in the foliage of these beautiful plants and it is difficult to account for their neglect in so many plant establishments. The pretty little Panicum variegatum is another charming edging plant. Cuttings should be inserted thickly in small pots and kept very close and moist until rooted, when they soon grow into neat little specimens for the purpose indicated. Tradescantia zebrina may be similarly treated, though naturally the cuttings need not be so thickly planted. Either of these may, of course, be grown on into larger sizes, but they are especially suitable for small plants for edging. Caladium argyrites is a very telling little plant for the front of a group of plants or basket. The bulbs are too dear to place in the cheaper plant devices, but a stock of them can soon be worked up and it is one of the most decorative plants in existence. Many of the smaller growing aralias, panax and even dracænas and pandanus are easily raised from seed and cuttings and there are numberless others that are just as good. Growers who have a private trade should always be working up stock of these excellent little subjects, as they make a pleasing change from the more ordinarily grown stock, while their culture costs practically nothing.

Basket Plants.

For permanent basket plants there are few better subjects than Asparagus Sprengeri and Boston ferns, and there is always a demand for them. Rather than wait to make them up just before they are needed it is well to keep a number always on hand. It is not advisable to keep a heavy stock of small baskets. They give considerable trouble in watering and are not as effective as larger ones. If there is a call for small ones by all means fill them but, as a rule, the 12-inch size is small enough and larger are even more profitable. Some very effective results may be had by planting Boston ferns and English ivy in the same baskets and these are always good sellers in large and medium sizes. For a 14-inch basket, plant three or four 4-inch Boston ferns and fill in around the edge with ivies out of small pots. They will soon grow into shape and keep on improving. Asparagus Sprengeri should be nearer the size of the basket or more plants should be used as this takes longer to grow into effective specimens. Line the baskets with sheet moss and let the soil be good. Fill in carefully and firmly so that the soil does not swell out when watering and see that each basket is thoroughly soaked before suspending where they are to grow. Usually this will be in houses devoted to other ferns and possibly there will be sufficient shading for them but, if not, arrange for this and keep them lightly shaded and in a comparatively close atmosphere until they are again established and growing freely. Baskets made up this way and well established will give far more satisfaction than if made up just before use and they pay best in the end.

Flowering of Century Plant.

ED. AMERICAN FLORIST:

Enclosed is a photograph of a century plant in flower. This specimen was planted about 14 years ago and stands in the well kept grounds of Mrs. W. H. Anderson at Phoenix, Ariz. The flower stem is 30 feet high, having attained this height in about eight weeks. The stalk, where it leaves the plant, is about 10 inches in diameter and as straight as an arrow. Around the plant are a lot of suckers and all are in bloom. Some few years ago another specimen flowered here and then died, but so far this one shows no sign of dying.

Agave Flowering at Phoenix, Ariz.

ARTHUR MELLOR.

Antidote for Poison Ivy.

ED. AMERICAN FLORIST:—

Trusting that it will be of help to some of your readers I wish you would publish the following absolute cure, or antidote, for poison ivy: Providence has provided two plants which generally grow in close proximity to the poison ivy, at least in our neighborhood. They are a sure cure for or preventive from poisoning by coming into contact with Rhus radicans and Rhus toxicodendron. The antidotes are Impatiens aurea (Mechlenburg) having a pale yellow flower and Impatiens biflora (Walb) having a spotted flower. Mash the leaves of either of the impatiens and rub on the affected part and it will prevent poisoning or, if the person has been poisoned, use as a poultice. We do not know that the impatiens will act as an antidote to Rhus vernix or poison sumach as we have never come in contact with it and therefore cannot tell from experience.

Pittsburg, Pa. J. W. K. & CO.

CHRYSANTHEMUMS

Cultural Notes.

Keep a lookout for too early buds and rub them off as soon as they appear. There are very few varieties which will make good blooms on buds taken the first half of July and even if they did there is no sale for them as a rule before the end of September. This was illustrated last year when they were ready earlier than the buyers. On the very early varieties take a few buds after July 15 if the plants are big and strong enough to support a good bloom, but if the plants are not ready rub off the early bud and keep the strongest of the top shoots which will soon make another bud. G. T.

Specimen Exhibition Plants.

The specimen plants and standards intended for the fall exhibitions should now be given their final potting. The size of the pots for these plants must first be governed according to the restrictions of the premium list and then according to the present condition and size of the plant under consideration. If the plant is in vigorous growth, with soil well filled with roots, say in a 10-inch pot, a shift from this to the 14-inch size will be about right, with the smaller sizes in proportion. A careful study of the habit and style of growth the plants have attained up to this time can be made, and some idea formed of how the plants are going to shape themselves. Those that have been and are still making extra long growths, though they may be the larger plants at this time, are very likely to be beaten out before the finish by those that are more bushy and not quite as large, but which are putting on a lot of healthy short jointed growths. Plants now making long jointed growths are very likely to have a lack of shoots and a bareness of foliage for a considerable way up above their pots when developed, which detracts from them as fine specimens.

Use a good live soil, containing about one-third well rotted cow manure, but do not make it over fine, only enough to be able to properly work it down between the ball of roots and the sides of the pot. Give plenty of drainage, pot firmly and be extra careful in watering until fresh root action has commenced. A light syringing three or four times a day will be very beneficial. It will keep the foliage in good condition and encourage a quick return to vigorous growth. After repotting the standards they should be staked and supported to prevent any of them getting damaged from syringing or other causes. Also as soon as new growth is fairly started pinching the growths should be followed up again until about August 1. Any plantings of the cut flower stock not completed should receive attention without delay, late varieties included with any others, as it is time for them to be in their permanent quarters. The details as to soil, etc., for planting, advised for the early and mid-season varieties also applies to these, excepting that they can be planted closer; a distance of six inches apart each way or even a little less will be sufficient for the proper development of any of the late varieties that we have had any experience with. Outside of the necessary daily routine of watering and attending to the other necessary details, as keeping the beds free from weeds and the insects from the plants, together with the pinching out of the side growths, the most important work to be attended

Cattleyas Naturally Disposed on Virgin Cork.

Salon Decoration of Cream Roses, Cattleyas, Foliage and Purple Silk.

TWO DISTINCT FLORAL DESIGNS BY CARL OBERHEITMANN, NEWPORT, R. I.

to in connection with the plants already established in the beds is to see that they are properly staked and supported. We use bamboo stakes, tied to a wire at the top, after the same plan as followed in staking roses, and find it works as well as any method. C. W. JOHNSON.

Notes on Sweet Peas.

So far this season has proved a most trying one for sweet peas, and everything else. We jumped from a good snow on May 1 into torrid summer weather and extreme drouth. No rain to amount to anything for almost two months and only clear hot days, such as we would expect in August. Under these conditions Nora Unwin is easily the best, not only best white but best all around florists' sweet pea. It gives us better stems than White Spencer, and the flowers are grand. White Spencer, while more massive, lacks in length of stem. Otherwise it is certainly fine. Among pinks, Countess Spencer and Gladys Unwin are a tie. The best way is to retain both. Mrs. Watkins is a disappointment. While productive and strong, it fades quickly and burns badly and will not be planted again. Phyllis Unwin has the Lawson color, which is unpopular, hence it will be dropped. Scarlets we do not grow as there is no demand for them. In lavender, Mrs. Higginson fills the bill as in former years, as the color is just right. Sales are slow and prices low owing to general depression of business. MARKETMAN.

BUTTE, MONT.—Columbia gardens are in fine shape this year and there is a talk of enlarging the conservatory, already too small for the large palms that are growing very fast.

THE RETAIL TRADE

GARDENIAS placed in the finger bowls, to be worn by the guests during the evening and laid aside when they are ready to leave, are fashionable in some of the best eastern houses.

Two Distinct Floral Designs.

The two distinct and artistic floral designs depicted in the accompanying illustration are the work of that clever decorator, Carl Oberheitmann, of Newport, R. I., whose work we have frequently noted and figured. The orchids are very natural looking with their setting of virgin cork, and the other design is a unique and beautiful color scheme in cream and purple. The silk is purple and the roses are cream colored, well set off by the choice cattleyas and suitable foliage.

Summer Flowers in Chicago.

There is no getting around the fact that the stores have a decidedly summer appearance and that stock in general is far from good. With a few exceptions roses are decidedly poor. There are a few good American Beauty in some of the stores, in others there are none or only small flowers. Killarney is again proving its value as a summer rose, its lovely coloring on the inside of the petals being one of its charms. For a pink rose Killarney is undoubtedly the finest thing, as an all the year round producer, there is. Long after Bridesmaid has ceased to produce good stock Killarney is delighting us with lovely flowers and although there is room for both in winter there is no question as to which is the better for summer use. Kaiserin is not too plentiful though some fine flowers from young stock have been seen already. Richmond is thin but Cardinal is a little better.

As good summer flowers, cattleyas undoubtedly take a very high position. Fine C. gigas and C. Gaskelliana are coming in limited quantities but the best retailers would like to see more of them. The local supply is still much below the demand but the eastern stock shipped in is very good. Dendrobiums are scarce but are not missed as much as cattleyas would be. Sweet peas are plentiful in most colors but have not the substance they had earlier in the season. Lily of the valley is as good as usual, and about the ordinary amount is coming in. The red milkweed, Asclepias tuberosa, is plentiful just now and is perhaps the best keeping flower among the cheaper things. It is bright and effective, stands up well in the hottest weather and if wilted a little at night will pick up in the icebox and look as well as ever the next day.

Carnations are poor, especially the pink shades. There are still some good whites, notably White Perfection, and White Lawson is good in some places. Enchantress is very poor in color but Winsor keeps bright. Among small summer flowers Shirley poppies are very pretty as are Iceland poppies in a few stores. Peonies are practically over; the cold storage flowers have been fairly good but one wholesaler says that another week at most will finish them. Gaillardias are good hot weather flowers as far as standing the heat is concerned, but they are not favorites for hot weather decora-

tions. Candytuft is a great help in make-up work and the outdoor antirrhinums are especially fine this year. Some of the deep reds and sulphur yellows are perfect. Gladioli, of course, are plentiful, but we have not heard of any such slaughtering of prices as occurred last year. The pretty little gypsophila is useful and is especially attractive for mixing with heavier flowers; sweet peas are also very beautiful arranged with gypsophila. Liliums are now mostly confined to L. auratum, of which there are fine stocks. It is one of the showiest flowers on the market in fact. Nasturtiums and cornflowers are showy and bright and there are enough flowers to meet all demands.

WITH THE GROWERS

Wa-No-Ka Greenhouses, Barneveld, N. Y.

This business was established some years ago by C. A. Nicholson and his son, H. H. Nicholson, under the firm name of H. H. Nicholson & Co., and the establishment is devoted exclusively to the cultivation of carnations. In 1905 A. O. Grassl was admitted to equal partnership with H. H. Nicholson, C. A. Nicholson retiring, and the business thereafter was conducted under the name of the Wa-No-Ka Greenhouses.

Since Mr. Grassl's connection with the business, he has devoted much of his time and attention to the production of high class seedling novelties, and today the concern has many seedlings of extreme merit. The process of elimination of seedlings is a most severe one. The result is, that only such varieties are retained and developed as possess good form, good calyx, long, heavy and stiff stems, and are unusual producers. Mr. Grassl, as is generally known, is an expert in carnation culture, and an originator of many desirable novelties. His personal attention is given to the production of every new variety grown on the range. Hence, nothing is placed before the buyers that will not equal or eclipse the best carnation novelties yet introduced. We have already figured the greenhouse plant and the following varieties are now illustrated:

Apple Blossom.—A gorgeous, full, white, with a delicate pink blending in the center of the flower, suggesting the delicate apple blossom of early spring. Flowers borne on long, stiff stems, making a grand display and suitable for every purpose. Is very fragrant, comes early and in great profusion through the season. Calyx does not split, and the flowers have excellent keeping quality and ship without difficulty or trouble. Best grown in night temperatures of 48° to 50°. This variety is distinctly in the bread and butter class, its prodigious blooming quality making it one of the foremost carnations of today. The flowers average three inches through the season. To be disseminated during the season of 1908-'09.

Wanoka.—Named from the Indian word, "Wah-No-Kah", meaning, "Just one of its kind." Being of Indian origin and suggesting the dark skinned race, this appropriate name has been given to the new crimson. It is a superb, well formed and fragrant crimson, of remarkable production, and borne on extremely long and heavy stems which never grow soft. It succeeds best in a night temperature of 50°, but it can be successfully grown in higher temperature if desired. The calyx never splits, the flowers average three inches and are first class shippers. This excellent variety will be disseminated during the season of 1908-'09.

Climax.—A beautiful, well made pink, a marvel in color, being a shade or two deeper than Enchantress, and a color long desired by the growers and the public. The color is permanent and does not fade, as is the case with many other light pink varieties. The flowers do not have the irregular form of Enchantress; they are borne on long, stiff stems and are very fragrant. They average the season through, three inches, and from December to April are three and one-half inches and over. The flowers come very early and the plants yield more per season than any other light pink variety, Enchantress included. The calyx is remarkably strong and seldom splits, the flower is an excellent keeper and ships admirably well. Best grown in night temperatures of 48°—50°. This most desirable variety will be disseminated during the season of 1909-'10.

Poehlmann Bros. Co., Morton Grove, Ill.

A temperature somewhere around 120° under the glass and the sun shining brightly in the early afternoon do not make exactly ideal conditions for looking over such an immense establishment as the two great plants of the Poehlmann Bros. Co. at Morton Grove, Ill., but there is so much to see that is interesting and the whole place is in such excellent condition that it is worth the inconvenience. We were especially struck with the fine flowers being cut at this late date from White Perfection carnation, flowers that would be good for February, let alone July. Winsor, too, is holding up well as are Red Lawson and Toreador. The latter was not at first a great success but it has done so well this season that it will be largely planted again. About 70,000 out of the 200,000 carnations that are to be planted this season are already in and the plants look exceedingly well. It seems certain that many more carnations will be grown inside all the year than have ever before for where there is room, there is no question that this is the most satisfactory method.

Among the newer varieties that are being tried out extensively this year at the A plant are Afterglow and Winona, also J. A. Manda's new pink seedling which is being very largely propagated here. Red Lawson has to go as the color is not as popular as it might be with the retailers but those good standard sorts, Beacon, White Perfection, Winsor, Victory, Enchantress, White Enchantress and White and Pink Lawson are already very largely planted and many more will be. Referring again to Toreador, G. W. French, the carnation foreman here, says it was grand around the new year and he has a very high opinion of it. It may best be described as a much improved Prosperity and is extremely free both in growth and flower.

The American Beauty roses at the A plant are very fine. The young plants are growing very freely with a splendid lot of young shoots springing from the bottom, just the kind of plants that delight the Beauty grower. Many benches are being planted and many others are yet to plant. There are also quite a large number of old plants just set out and still more to be thrown out to make room for young stock. All show the same excellent health and even the benches that are marked to come out are pushing up fine, healthy looking shoots that it seems a pity to destroy. This constant throwing up of good shoots is characteristic of the plants here; young or old there are always plenty and the plants are constantly making good from the bottom.

THE WA-NO-KA GREENHOUSES, BARNEVELD, N. Y.
Bench of Carnation Apple Blossom, in October.

CHRYSANTHEMUMS.

Chrysanthemum planting is still going on and the earlier benches look fine. Each year a weeding out of the varieties goes on until only a comparatively small number is grown but these are the best of their kind. As indicating what Messrs. Poehlmann think the best we

give the varieties chiefly grown in the order of flowering: White—October Frost, Kalb, Virginia Poehlmann, Robinson, Clementine Touset, Alice Byron, White Bonnaffon, Timothy Eaton, W. H. Chadwick, Jeanne Nonin and Merry Christmas. Yellow—Monrovia, Halliday, Col. Appleton, Major Bonnaffon, Chautauqua Gold, Yellow Eaton, Golden Chadwick and Golden Wedding. Pink—Rosiere, McNiece, Dr. Enguehard and Maud Dean. Red—Intensity and Schrimpton. Anyone possessing these few fine varieties in quantity may be sure of getting a good supply of fine flowers in all the popular shades the whole season through. The fine novelty, Virginia Poehlmann, is worthy of note as one of the finest early whites. A house planted last year on July 15 was in splendid order in October and there are no culls; every flower comes perfect. A very strong point in its favor is that it may be planted as close as Ivory and yet produce excellent flowers, large and well filled up. The benches now being planted have plants every six inches in the rows or more correctly two plants are put together at 12 inches apart, as this facilitates cultivation in the earlier stages. It is very free and easy to grow and is a coming variety without doubt.

THE WA-NO-KA GREENHOUSES, BARNEVELD, N. Y.
Bench of Wanoka in September.

PLANT B.

In plant B the roses are looking better than we ever remember seeing any at this time of the year. Not only are the young plants in excellent order but also the old benches. Killarney is a grand sight here. The growths are strong and the foliage excellent in color, both old and new benches. This is also true of Cardinal, which is making excellent shoots and flowering freely, as are Richmond. Mrs. Potter Palmer and other popular kinds. Some new benches of Kaiserin are superb plants with beautiful growths and excellent foliage. The new My Maryland is being tried here and it certainly looks like a grand thing. Both grafted and own-root plants are making beautiful canes and splended foliage. The same is true of a number of benches of Rhea Reid and we have not seen either of these novelties looking as well anywhere. From the early-planted benches of Killarney nice flowers are already being cut and these will shortly be followed by Mrs. Potter Palmer. Adolph Poehlmann has a very high opinion of Killarney and, as handled here, it is certainly the finest pink summer rose in existence.

We noted here a fine arrangement for handling manure. A large concreted bed with sides about one foot high prevents any loss from seepage, all the liquid being caught. Besides this advantage the work of the teams is rendered very much easier, having a hard bottom to travel on. A traveling fork is used to pick up the manure for loading the wagons or unloading freight cars which can be brought close up to the heap. A large wagon can be filled in seven minutes; in fact while the teamster is unhitching his team from the empty wagon and hitching up to the full one this latter is about ready for him. This is a great labor saver as one man at the steam winch, two with the fork and one on the wagons can keep four teams and five wagons going on the short haul between the two plants. We have before mentioned the many labor saving devices here. The soil chopper is now run with an electric motor, the power for this and other work on the place being supplied by two fine coupled dynamos, the engines being 58 h. p., the machines 30 kilowats, giving off power at a voltage of 250. The power for the refrigerating machinery, of which we have before spoken, is supplied by these machines. An addition to the carnation range has been made this season, three houses 27x200 feet and two 27x350 feet, making in all probably the largest range devoted to carnations in the world. Many points of interest have been omitted in this necessarily brief reference but the whole place is in the most perfect order and a great credit to all concerned.

THE WA-NO-KA GREENHOUSES, BARNEVELD, N. Y.
Bench of Carnation Climax in October.

The Use of Bordeaux Mixture.

Florists as a class are slow to get benefit from the use of Bordeaux mixture. They could derive a good deal of help if they would pay some attention to this and work out the details. The one thing which has scared most of them is the bad stain to foliage, but with a little care, this need not bar its use. For instance, chrysanthemum growers would do well to use it in the 4-4 formula from the time the cuttings are potted until the buds show; by adding two pounds of arsenate of lead to each barrel, and using it once in 10 days, no leaf-eating insect will enjoy his meal and the dread leaf spot can be kept out of the house. Bear in mind, use it early and quit in time to clear the foliage for selling.

Carnation growers should spray the young plants inside and out, once in two weeks, and after housing, up to the time that flowering shoots are allowed to develop and then quit. It will produce plants that are a delight to the good grower. A good knapsack pump is generally better than any air compressor and the operator should learn to put his pump in good condition and keep it so. Much of the success depends upon a perfect pump, which means a perfect spray, and don't forget to clean out with clear water, each time before putting away. Bordeaux mixture may be used to shade glass, to disinfect the cellar and cut-flower room and to spray poultry houses and barns; only omit poison for these uses. MARKETMAN.

Foreign Experiments in Manuring Plants.

In organizing the experimental work in floriculture at the agricultural experiment station at Urbana, Ill., the Department of Horticulture had prepared a brief review of such work as has already been done, especially in other countries. Some notes from one sub-topic of that report are here presented in abridged form.

FORMULAS BASED ON PLANT ANALYSES.

Work of this kind as a basis for intelligent and systematic procedure in manuring florists' plants is scarce. A. Hébart and G. Truffaut, widely known French agricultural chemists, reported some years ago having made ash analyses of 19 kinds of ornamental plants as a basis for experiments in rational fertilization. Such experiments were stated at the time to be in progress but the reviewer has not come across later reports on this work. In the article referred to a report in detail is given only for the dracæna.

A. B. Griffiths analyzed chrysanthemums taken just at the beginning of the flowering period. On the basis of this analysis the following alternative fertilizer mixtures are recommended: (1) One ounce of a mixture of equal parts guano and bone meal to 20 pounds of soil; or, (2) the following: Potassium nitrate, one part; sodium phosphate, two parts; iron sulphate, one-quarter part; Epsom salts, two parts; superphosphate of lime, three parts. Apply seven grams[1] of the mixture to two kg.[2] of soil before planting. Water every few weeks with seven grams to 4.5 liters[3] of water until the flowers begin to open. Chemical analyses showed also that the running out of cattleyas grown commercially for cut flowers is due to gradual starvation of the plant and can be remedied by proper fertilization. Blindness of narcissus is due to the same cause.

A unique method of fertilizing pot plants, suggested by G. Truffaut and A. Hébart consists in determining by chemical analysis exactly the amount of the different fertilizer elements required to make the desired growth for one plant and in enclosing these, in the form of chemicals, in a small loosely closed capsule which is to be buried at the root of the plant. The pot is watered with clear water only and the contents gradually dissolve out into the surrounding soil. It is claimed for this method that it avoids excessive or irregular fertilization with liquid manure, gives a more uniform and shapely plant and permits the use of a smaller pot. This method does not appear, however, to have become widely introduced into florists' practice.

FERTILIZING ACCORDING TO GROWTH.

Plants do not require the same quantity nor the same proportion of different fertilizer elements at different stages of their growth. Nevertheless, very few studies have been made on this point with florists' plants. A single example of such is analyses made by A. Hébart and G. Truffaut of chrysanthemums (1) when the buds were just beginning to appear, which was 178 days from planting, and (2) when the plants were in full bloom, which was 64 days later. These analyses showed that during the second period the plants used three times as much nitrogen, five times as much potash, seven times as much phosphoric acid and five times as much sulphuric acid as during the first but longer period of vegetative growth. These analyses emphasize the need of applying different quantities of fertilizers at different periods of plant growth with the elements in different proportions.

GERMAN EXPERIMENTS.

For a number of years the German National Horticultural Society has been conducting a series of fertilizer experiments on several florists' plants which are worthy of more than passing mention. On the committee in immediate charge of this work were, among others, Maercker, prominent agricultural chemist, and Sorauer, widely known writer on plant physiology in agricultural application. The mere mention of these names assures high scientific quality for the work done.

The experiments throughout were under rigid chemical control. The plants used as subjects and reported on thus far are fuchsia, chrysanthemum and hydrangea. The general plan of the experiments was the same with all three but was carried out in most detail with the fuchsia. Notes on the work with this plant will serve to give a general idea of the nature and management of all of these experiments.

FERTILIZER EXPERIMENTS ON FUCHSIAS.

Duplicate series were run in five localities in Germany, with duplicate series in each locality in common potting soil and in sterilized sand. The latter series of course showed the exclusive effect of the fertilizers applied. Observations were made in great detail on the following points: Root development, color and number of leaves, number and quality of flower buds set, growth in height, thickness of branching, general shape of plant, and quantity of water required by the plant on different fertilizers. The nature of the results obtained is indicated by the following:

As to effect on the roots, cow manure made the longest, ammonium sulphate the shortest and nitrate of soda the smallest total growth.

Ammonium sulphate made the largest number of leaves with the largest average size and the deepest color. These plants, however, were latest in flowering.

Cow manure and complete fertilizer gave each the heaviest average weight and development of flower buds. Ammonium sulphate made nearly twice as many branches per plant as did nitrate of soda.

Ammonium sulphate made a growth which varied more from the normal than did any other fertilizer. The leaves were longer and wider but not so thick relatively. The upper epidermis cells were larger but thinner on the outer side. In this observation lies the basis for the well known fact that plants grown on ammonium sulphate are not so resistant as are plants normally manured. On ammonium sulphate the woody tissue is also less developed, wherein lies another basis for the greater tenderness and less resistance of plants thus fertilized.

Plants on ammonium sulphate were

DELIVERY WAGON OF J. ALDOUS & SON, IOWA CITY, IA.—See Page 1264.

A BENCH OF CARNATION GLENDALE.

[1]Gram=15.432 grains.
[2]Kilogram=2.2046 pounds.
[3]Liter=1.0567 quarts.
[4]Centimeter=0.3937 inch.
[5]Square meter=1,550 square inches.
[6]Hectare=2.471 acres.

George A. Kuhl.

materially retarded in ripening up their wood. Such plants are liable to suffer more from early cold weather than are those receiving complete fertilizers.

In similar experiments on hydrangeas the diameter of the flower clusters on the best developed plants varied from 12 to 30 cm. while on the checks it was only nine to 24 cm. With this plant, ammonium sulphate gave the best general development for market purposes, though not the greatest nor stockiest growth. And the differences the second year were much greater than they were the first.

EXPERIMENTS ON AZALEAS.

Other experiments carried out with characteristic German thoroughness have been made at the Horticultural Experiment Station on azaleas and ericas by F. Ledien. These plants were selected as subjects because they are among the most sensitive of plants to fertilizers improperly applied.

Varieties are grouped according to vigor to the three groups which are differently affected by the same fertilizer. An essential point in azalea culture is rigorously to keep the soil poor until June 1 in order that a large ball of roots may form. Then follow energetically with liquid nitrogenous fertilizer containing a high percentage of ammonium salts, preferably ammonium sulphate, to which acid calcium phosphate is added, one gram of each to the liter. Water with this daily for about six weeks and then cease the application in order that the buds may ripen up. This is of special importance if the plants are to be shipped long distances. Plants thus treated make most and largest flowers and bloom earliest and with greatest certainty.

EXPERIMENTS ON ERICAS.

The experiments by the same investigator bore on (1) vigor of growth, (2) intensity of green coloring of the leaves and (3) the setting of buds as to the number, quality and earliness. This control of bud growth is stated to be the greatest difficulty in commercial erica culture.

Varieties which bloom in mid-summer, and these comprise the large majority of varieties, need nitrogen to increase their vigor. Those which bloom in the fall need lime to hasten the setting of buds. This setting was hastened as much as 10 weeks in the case of some varieties. Some of these late varieties, when receiving nitrogen, never even began to set buds before cold weather came on.

TESTS OF FERTILIZER MATERIALS.

A number of gardeners' tests with various fertilizer substances and mixtures have been reported. Foussat has made tests of nitrate of soda solution on many kinds of flowers. As might be expected, some kinds of plants show more marked results than do others. Japanese ailanthus responded the most strikingly. In this case the fertilized plants were nearly 2½ times as high as the checks and three times as thick at the collar.

A SUBSTITUTE FOR NITRATE OF SODA.

Bellair, the well known head gardener for the city of Paris, has experimented with many mixtures with a view to finding a fertilizer, which while rich, shall be gentle in its action whereby the violent action of nitrate of soda and its exhaustive effect on the soil can be avoided. He recommends the following: Fresh bone meal, 40 kg.; horn meal, 25 kg.; sulphate of potash, 24 kg.; dried blood, 11 kg.

Jacob Duerst. Dayton, O.
For 30 Years with H. H. Ritter.

For borders and beds apply 50 to 60 grams per square meter in the spring. For potting soils use 1 to 1½ kg. per cubic meter of soil well worked in six months in advance. Horn meal alone gives good average results except on a few specified kinds of plants.

Fresh blood is reported to be a superior fertilizer, especially for gloxinias, Begonia Rex and other foliage plants. It is commended to gardeners located near a slaughter house. Dilute well with water and apply with judgment. This fertilizer is reported as having made prize winning chrysanthemums.

FERTILIZER FOR PLANTS OUTDOORS.

Janson has experimented with fertilizers for flowers in the open, for flower beds, shrubs, trees and lawns and has collected and summarized the experience of practical gardeners. A mixture of 18 parts potash, 17 parts phosphoric acid and 12 parts nitrogen gave fine results. Heavy manuring is noted as reducing loss of time in transplanting. Such plants as orchids and azaleas will not stand more than one to two parts of this mixture to 1,000 of water. More leafy and vigorous growing plants will take from three to four parts to the thousand.

A SPECIAL FERTILIZER FOR BULBS.

Blin recommends the following: Nitrate of soda, 400 kg.; superphosphate, 500 kg.; sulphate of potash, 200 kg.; plaster, 400 kg. per hectare[a].

Plow half of it in and spread the other half on top and work in lightly. When the flower stalks begin to appear cultivate in the following: Nitrate of soda, 200 kg.; superphosphate, 250 kg.; sulphate of potash, 50 kg. per hectare. If the vegetative growth is already vigorous apply only 100 kg. of nitrate of soda.

These rather cursory notes will give the American reader some idea as to what is being done in an experimental way for floriculture in other countries, the nature of the investigations and the methods used. V. A. CLARK.

PEOPLE WE KNOW.

George A. Kuhl, Pekin, Ill.

Many of our growers, wholesale and retail, have gravitated to the florist trade from other businesses and professions and Geo. A. Kuhl, of Pekin, Ill., of whom we publish an excellent portrait herewith, started in the grocery business in this city 36 years ago. This he has run in connection with his greenhouses until last fall, when he sold out the grocery entirely.

For many years Mr. Kuhl has been gradually working up his greenhouse business, but about 12 years ago he went into building rather largely, covering about 60,000 square feet of ground with glass. In addition to a retail store in Pekin, Mr. Kuhl recently opened one in Peoria, in both of which he finds an excellent outlet for the plants he grows so well. In addition, however, to his retail trade he has, by judicious advertising and supplying only the best of stock, worked up a large shipping trade in flowering plants, ferns and bedding stock. Doubtless now that he is devoting his whole time to the business we may look forward to still further developments.

Hugh Seales.

Hugh Seales, Birmingham, Ala.

Hugh Seales of Birmingham, Ala., of whom we publish an excellent portrait, is a native of Ireland, having been born near Belfast, February 22, 1870. His first start in his chosen career was at the famous nurseries of Alex. Dickson & Sons of Newtownards with whom he remained for nine years. He came to the United States in 1890, and obtained a position with W. & H. F. Evans of Rowlandville, Philadelphia, Pa. Other firms he worked for are Chas. D. Ball, Geo. W. Little, Glen Falls, N. Y., Frank Huntsman, Cincinnati, O.; Currey & Co., Nashville, Tenn., and the Brookwood Floral Co., Atlanta, Ga. His next position was superintendent of parks at Atlanta and in 1902 he started in business on his own account.

Mr. Seales has been a very successful grower, having won over 400 prizes. He brought flowers to the Chicago world's fair from Nashville, Tenn., this being the first time that southern flowers were ever in competition so far north. He was probably one of the first growers to successfully tackle carnations and roses in the south and many predictions were made that they could not be grown. Since starting in business for himself Mr. Seales has been very successful but the past season has been a hard one for him; the boiler at his greenhouses burst some time ago and he has had to use charcoal to keep the temperature up in his houses. With 25,000 square feet of glass this meant a lot of work and he is only now getting into proper running order again.

Jacob Duerst, Dayton, Ohio.

In these days of quick changes a continued length of service to one firm for 30 years is an event worth chronicling, and this is the record of Jacob Duerst, who has been with H. H. Ritter, of Dayton, O., for just that length of time. Mr. Duerst is a native of Switzerland and came to this country 30 years ago, since when he has not changed his situation, but gone on improving his position and, incidentally, extending his cultural knowledge until today his employers would be very sorry to part with him and he would be just as sorry to go. We congratulate both Mr. Ritter and Mr. Duerst, of whom we publish an excellent portrait, on the happy relations existing between them, and trust they may continue, to their mutual advantage, for many more years to come.

Good Delivery Wagon.

A good delivery wagon is a great aid to the retailer in keeping his name before his customers, present and prospective. Such a one is shown in the illustration on page 1262. This is the property of J. Aldous & Son, Iowa City, Ia. The body is olive green, the running gear eastern red, a showy and attractive combination. This firm has a good general business, retailing in its city store the products of a glass plant of about 10,000 square feet.

WILMINGTON, O.—G. H. Moores has leased his Locust street greenhouses for a number of years.

URBANA, ILL.—A. D. Hall, director of the Rothampsted Experiment Station at Harpenden, Eng., addressed the soil fertility meeting at the University of Illinois College of Agriculture July 7. Director Hall spoke on "The Accumulation and Depletion of Plant Food."

To Be Done Now.

IN THE GREENHOUSES.

Plant out young gardenias and give them the best of care to ensure a strong and free growth.

Keep the soil stirred around Marie Louise violets to allow the air to reach the roots and make insects uncomfortable.

Prepare the soil and small pots for sowing the mignonette.

Let the young smilax go now if the plants have thickened out well at the bottom.

A moist atmosphere in all plant houses is the most important of all cultural details.

Watch closely for thrips after bringing in any new soil or manure from outside.

Propagate pelargoniums as soon as the growth is sufficiently hardened.

Look out for dry places on the old rose benches as here insects congregate.

Surface watering without seeing that the pots are wet all through has killed more young pot stock than any other detail of mistaken culture.

IN THE STORE.

Early closing, in some cases means losing the evening trade which is most important during the hot months.

Wild daisies and common ferns make a delightfully cool and seasonable decoration.

OUTING OF EMPLOYES OF A. L. RANDALL CO., CHICAGO, AT RIVERSIDE, ILL.
R. Meyer, Their Host, at Extreme Right of Picture. (See Page 1180 Issue of July 4.)

All arrears of bookkeeping should be got out of hand now and stocktaking where this is practiced.

Gladioli should always be purchased partly open unless they are to be used at once.

Pansies, perhaps more than any other flowers, are charming even when the colors neither match nor contrast, but are used promiscuously.

Cycas leaves are especially suitable for large bold designs for funerals.

OUTDOORS.

Feed and mulch the perennial phloxes, especially when growing in the full sun.

Prick out seedling campanulas, pyrethrums, wallflowers and other biennials and perennials before they get crowded in the seed beds.

In the press of work never omit cleaning seedling trees in the nursery beds as they are soon crippled by coarse weeds and insects.

Help the roses after flowering to produce and ripen up a good growth by feeding where necessary.

Cultivate stock geraniums and pick off the flowers if they do not grow freely.

If montbretias are to be lifted at all this season it must be done early before they commence rooting for the fall.

Watch the dahlias and stake or otherwise support them where necessary.

A line of fine rope or cord around a bed of cosmos will prevent its falling about.

Where they are getting too thick for the new growths to ripen, thin the shoots on sweet briars and other single roses.

Clear off cabbage as early as possible, so as to be in time for a fall crop.

Remove annuals from the herbaceous border as fast as the flowers go over and they become untidy.

Twenty Years Ago.

JULY, 1888.

The American Express Co.'s rates were telling very heavily on the florists' business.

The white lapageria was very popular for decoration.

Chicago florists were trying hard to get reasonable water rates.

White forget-me-nots were a novelty sent out by a New Jersey grower.

Support tall, loose growing plants like cosmos and corn flowers with stakes and twine. If they fall over, the flower stems become crooked.

A bundle of asparagus two feet high, 36 inches in circumference and weighing 40 pounds, or a pound each head, was shown in New York.

A bogus gardener was arrested in Philadelphia for selling onions as hyacinth bulbs.

The national flower was a much ventilated question and all kinds of flowers were recommended.

Breaking stones was better than waiting for butterfly dudes to pay up according to one New York florist.

J. C. Vaughan was sending home "Random Notes" from London, Eng.

California florists were complaining of the loss caused by bad packing of goods coming from the east.

Very heavy losses were reported from hail damage.

Many complaints were heard of the want of politeness and ignorance generally of florists' store clerks.

Interesting notes on Natal plants by a resident of Maritzburg were appearing in the AMERICAN FLORIST.

Treatment of Callas.

ED. AMERICAN FLORIST:—

Please advise as to the best way to rest callas and the proper time to start them in fall. W. H. N.

Callas should, before this, be dried off and the pots stood outside in the full sun. If not, get them out at once and give no water. After a few weeks' drying, shake them clear of the old soil and repot, giving one thorough soaking of water to settle the soil and no more until they commence to grow. This matter was more fully treated in our "Suggestions for Cut Flower Growers" in issue of May 9, on the first page.

Why Not Flower Day.

John Miles, a New York millinery importer who lives at White Plains, holds the record as the champion Tag day patron. Saturday was Tag day in that village and he was prepared for the rush. In the morning he drew five hundred silver dollars from a bank, and gave one to every girl tag distributer that he met. When the extent of his generosity became known some doubt was expressed if there would be girls enough to absorb the appropriation, but the entire crew made it a point to see him, and when some of them happened to meet him two or three times, he made no protest.

Whoever originated Tag day was a genius. Tag day seems to bring out all that is best in a person's nature and the rich and the poor give according to their ability. Albany could stand another Tag day in aid of some worthy charity and we would suggest that the ladies who propose to establish the free milk depot in the south end take this means of raising a fund for the purpose. To vary the idea it would be a good plan to give button hole bouquets in place of tags and limit the donation to 5 cents. If 20,000 persons in Albany contributed 5 cents each, the total collection would reach the sum of $1,000, which would be enough to pay the expenses of the depot for at least one year. And it would be hard to find a person in Albany who would refuse to give five cents to such a charity. Besides, the buttonhole bouquet would be worth the money and the managers of the affair would have the satisfaction of knowing that every person who contributed 5 cents did it for value received.

There are enough young ladies in Albany to make Flower day a huge success. Florists and others having hothouses or gardens would no doubt cheerfully contribute enough flowers for the day, so the expense of conducting the affair would be nothing. As a matter of fact, it would be possible to get all the flowers needed in the fields around Albany, and wild flowers would add to the novelty of the plan. It does all of us good to give up a trifle now and then to some worthy charity, and experience has shown that there is no other way of raising a fund so quickly and readily. Flower day could be made so picturesque that it would capture the people beyond any doubt. The girls who volunteered to distribute the boutonnieres could dress as country maids, wearing the picturesque costumes of a past age, or they could dress as typical shepherdesses. We are confident that if this idea were properly carried out, Flower day could be made to net even more than Tag day did. But it is not well to ask too much of the public after the people have already responded so generously. Therefore we suggest that the ladies who propose to establish the free milk depot limit the donations to five cents each.—Albany (N. Y.) Press.

[If the editor of our esteemed contemporary can induce shoemakers to give shoes, grocers to give groceries, clothiers to give clothing, ironmongers to give hardware, publishers to give newspapers, etc., for such a worthy object as Flower day, then he will be warranted in suggesting that florists give flowers. The production of flowers costs money and those who are not called upon to produce them, should learn this without delay and give the florist what is due him. Too often, we regret to state, otherwise sensible persons think the florist should hand out his stock in trade gratuitously to every beggar, including the amiable ladies' aid societies. If you desire to be charitable, Mr. Editor, buy your flowers as you buy other commodities for that purpose and take care that you are not transgressing when you pick the wild flowers.—ED. AMERICAN FLORIST.]

Duty on Palms Entering Canada.

We quote from the Canadian Florist some opinions of leading florists as to the duties imposed upon palms and insecticides, these following a letter from A. W. Annandale, of the Steele-Briggs Seed Co., Toronto, protesting against the duty.

John H. Dunlop, Toronto, Ont.—"We handle but few palms as we find the price charged in Europe is a considerable advance on previous years, also, with the 25 per cent duty, it makes palms very expensive, so much so that customers will not pay the increased price. I find that the duty has not developed the growing of palms from seed. As far as I can ascertain no one has grown any quantity. I know that there are a few grown, but I do not think any increase on previous years. The quantity would not indicate that any grower has taken advantage of the duty to develop this part of the florist business. The feeling at the time the memorial was made to the Dominion Government was that Canadian growers would take advantage of the duty and grow palms from seed and thus divert the large sums of money that are expended in European stock and keep it at home to foster a branch of our business that had not developed to the same extent as other branches."

The Connon Floral Co., Ltd., Hamilton, Ont.—"We do not grow palms from seed, but as we import quite a few every season, we think we might be allowed to say something in the matter, as well as the grower. We consider that the duty is a hardship on the florist. Palms have been high in price lately and, with the duty added, makes the plants so dear that the demand has dropped off considerably. Considering the small number of palms grown in Canada, the duty is doing, on the whole, more harm than good, and we are sure no florist would object to the protection if the growing of palms was general, or likely to become so."

J. Bebbington & Son, Fredericton, N. B.—"We are strongly in favor of Mr. Annandale's suggestion to remove the duty on palms. It is surprising that no person has protested before. We do not see the wisdom of placing a duty on palms. The demand is too small to raise them profitably from seed. We buy 50 palms or more in several sizes for decorative purposes or sales."

Jos. Bennett, Lachine, Que.—"Mr. Annandale's letter would seem to suggest that the florists of Canada should ask to have the duty taken off palms and insecticides. I agree with him in regard to the insecticides, but do not think we should ask for free palms. It is only a short time ago that the florists (or some of them) asked to have a duty put on palms and as the government made the tariff just as they were asked to do by those florists it would look very queer to ask for an alteration so soon. Another thing, that duty will stop some of the firms on the other side sending large consignments over here to be sold at auction, which was often done previously in Montreal. The statement that palms cannot be grown here as cheaply as on the other side is probably correct, but that does not prove that palms cannot be grown in this country with profit to the grower. My opinion is (and that was the opinion of those who asked for the duty) that if grown on a large scale in large quantities or, in other words, if some firm would make a specialty of palms, they would pay to grow. Witness the number of firms in the United States who do it and they don't grow them at a loss or they would stop it."

Miller & Sons, Bracondale, Ont.—"We have just taken into stock a large shipment of palms, on which we have had to pay a 35 per cent higher price than was paid three years ago, 20 per cent duty on the cases and 25 per cent duty on the palms; the latter can be credited to the action of The Canadian Horticultural Association. We cannot understand why this 25 per cent ever was added as we never can expect to grow palms in Canada to compete with the European grown plants. We have tried it and know from experience that what we say is right. We have an actual demonstration in our greenhouses at the present time. Added to the increase in cost is the fact that the demand has greatly decreased and it is with great difficulty that palms are sold at their present prices. If it were not for the decorative work, it would not be profitable to handle these plants.

"We trust The Canadian Florist will stir up the other growers on this question, so that when we meet at Niagara Falls in August, steps will be taken to have this unreasonable duty removed. At the same time, it would be well to advocate the removal of the duty on insecticides and all plants that cannot profitably be produced in Canada."

J. Gammage & Sons, Limited, London, Ont.—"This question is one that must appeal to each one individually. The tariff question is at best controversial. At the meeting of the Canadian Horticultural Association when the resolution was passed requesting the Government to place a duty on palms, it appeared to all present that it was in the interest of the trade generally, and it would seem at this time, were we to make an appeal to have the duty removed, that we do not know our own minds. Personally, I do not believe it would make any difference in the number of plants sold, whether or not the duty is removed. In all cases it is the public who have to pay the duty. Mr. Annandale has advanced the theory that we cannot compete with Belgium growers. In this I do not agree with him, judging from the quality of stock we have received the last two years. I am free to admit that the grower's margin is a small one, but question the possibility of increased profits to either grower or dealer on Belgium stock with or without the duty."

Chas. Grobba, Toronto, Ont.—"For the past few years we have gone into the growing of palms extensively and have met with very good success, the results from which are now showing themselves favorably. While there is a duty on palms, we find it will be profitable to continue to grow them, but should the duty be taken off, it will make so large a difference that it would not pay to continue. The Belgians, who grow most of the palms that are imported here, are under considerable less expense as to wages and so forth than in this country and they can produce their palms accordingly, but with the present duty we find it places us on an equal basis.

"Let the duty remain as it is at present. Here is an industry presenting itself which, up to now, has been neglected by most of us. Why should we be desirous of purchasing elsewhere, stock of an inferior quality to that which we can produce? True, the imported stock may be good when it is first packed for its long journey, but it often arrives in very bad shape and takes a long time before it recuperates. Here is where home-grown stock has its advantage, for it is always in saleable condition, will prove much more satisfactory to the purchaser and there will be little complaint as to the plants dying shortly after they have been taken home, which is often the case when newly-imported stock is sold. So, for those who are interested and to a large extent, we say for the good of all let the duty remain and not lose sight of 'Canada first.'"

THE AMERICAN FLORIST

1885 TWENTY-THIRD YEAR. 1908

Subscription, United States and Mexico, $1.00 a year; Canada $2.00; Europe and Countries in Postal Union, $2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From its first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of correspondents.

Eastern Representatives:
A. F. FAULKNER 1133 Broadway, New York.
ROBT. KIFT, 1725 Chestnut St., Philadelphia, Pa.

THE AMERICAN FLORIST,
324 Dearborn St., CHICAGO.

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THE rivalry between western states in the matter of roses and rose shows continues.

MONEY spent in preventing waste, either of labor or material, is always well spent.

MOSS ROSES are said to be increasing in favor again, especially in combination with sweet peas.

SWEET PEAS are becoming increasingly popular for wedding flowers, replacing the rose in many cases.

Do not fail to allow for expansion in those concrete walls, pavements, etc., now in course of construction.

To the correspondents who have written us with regard to the late Wm. B. Leeds we wish to state tnat the story of his life, so far as we are concerned, is told in the obituary column of our issue of July 4, page 1177.

WE have received the "Proceedings of the Fifth Annual Meeting of the Louisiana Horticultural Society," which meeting was held in Minden, February 20-22, 1908. Besides the president's address and other business matters the book contains the text of a number of practical papers read at the meeting, well illustrated by numerous cuts and runs to 160 pages.

Ladies' Society of American Florists.

The secretary of the Ladies' Society of American Florists, congratulates the members upon their prompt payments of dues. It shows her that all wish to vote and expect to be at Niagara Falls, in August.

MRS. CHARLES H. MAYNARD, Sec'y.

Glass.

Prices of greenhouse glass advanced sharply July 13. Owing to the low prices prevailing this summer many factories have been forced out, and as a consequence good glass in the most desirable sizes is scarce. The demand is strong. Discounts on single strength glass are now 90 and 35 per cent, and on double strength, 90 and 40 per cent.

Society of American Florists.

REGISTRATION OF ROSES.

Peter Henderson and Co., New York, submit for registration, the roses listed below. Public notice of such registration is hereby given and any persons knowing of the previous use of the names selected or of any other reason why registration should not be made, are requested to forward their objections to the undersigned. Silver Moon (Cherokee x Wichuraiana), soft, white, semi double, flowers four inches across, climbing habit. Garnet Climber (Lucullus x Wichuraiana), deep garnet red, double flowers in clusters, climbing habit. Dr. W. Van Fleet (Souvenir du Pres. Carnot x Wichuraiana), light rosy pink, double flowers, climbing habit. Radiance (Cardinal x unnamed seedling), brilliant rosy carmine, fine buds, splendid habit and foliage.

W. N. RUDD, Sec'y.

Handbook of Greenhouse Materials.

The Lord & Burnham Co. has just issued a booklet entitled "Handy Handbook of Greenhouse Materials" which greenhousemen will find very convenient and timely. The materials are classified, grouped and indexed for ready reference. We understand this is the first book of the kind published in this country. On one page will be found paint and putty and on others door hardware, boilers, heating fittings, etc. Enclosed with the book is a small envelope containing a hook on whicn to hang it. Those of our readers who desire copies should address the Lord & Burnham Co., 1133 Broadway, New York. A postal request will suffice, as there is no charge for this publication.

National Council of Horticulture.

Prof. H. C. Irish, secretary of the National Council of Horticulture, has received a letter from F. W. Taylor, chief of the departments of agriculture and horticulture at the St. Louis World's Fair, which is gratifying at this time to all interested in the welfare of the council. The letter is as follows:

Dear Professor Irish—I have been much pleased to note the progress being made by the National Council of Horticulture, and particularly that it has maintained the position which it assumed at the start, of separating itself entirely from any organizations which deal purely with commercial questions.

I was extremely pleased that the National Council of Horticulture was organized at the St. Louis exposition, and I have been watching its movements with a good deal of interest to see if it could maintain its original high aims. I feel that it is doing so, and I trust that in the future it will interest itself particularly in looking after these questions of a general nature, which can scarcely be treated properly by any other single organization.

If, in organizing the department of horticulture at the St. Louis Universal Exposition, I had been able to receive advice, suggestions and support of such an organization, many phases of my work might have been much easier, and I have no doubt that in certain respects better results could have been secured.

I wish to particularly suggest that whenever it is learned that plans for large expositions are under way, the National Council of Horticulture should place itself in communication with the officers of such organizations and do everything in its power to see that horticulture in all its phases is properly arranged for. This means in the construction and arrangement of buildings, in the making up of the lists of awards and in many other ways, a more or less uniform method should be followed. No organization should be so well equipped to supply all such information as this as the National Council of Horticulture.

If at any time there is any way in which I can render any service in any branch of the work in which it is believed that I can be helpful I shall be extremely glad to have you call upon me.

Sincerely yours,
F. W. TAYLOR.

Meetings Next Week.

Boston, Mass., July 21.—Gardeners' and Florists' Club of Boston, Horticultural Hall.

Denver, Colo., July 24, 8 p. m.—Denver Floral Club, 323 Charles block.

Des Moines, Ia., July 21, 8 p. m.—Des Moines Florists' Club, Iowa Seed Co.'s store.

Grand Rapids, Mich., July 20.—Grand Rapids Florists' and Gardeners' Club, Board of Trade rooms, Pearl street.

Hartford, Conn., July 24, 8 p. m.—The Connecticut Horticultural Society.

Montreal, Que., July 20.—Montreal Gardeners' and Florists' Club, Alexandria rooms, 404 St. Catherine street, west.

New London, Conn., July 22.—New London County Horticultural Society, Elks' hall.

Providence, R. I., July 20, 8 p. m.—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street.

Toronto, Ont., July 21, 8 p. m.—Toronto Gardeners' and Florists' Association, St. George's Hall, Elm street.

Florists' Club Outings.

Birmingham, Ala., July 24.—First annual picnic and barbecue of the Florists' and Horticulturists' Society at the lakes at Bessemer.

Boston, Mass., August 29.—Annual picnic of the Gardeners' and Florists' Club to Pine Banks park, Malden.

Chicago, July 19.—Annual picnic of Florists' Club at Morton Grove, Ill.

Cincinnati, O., July 23.—Sixteenth annual outing of the Florists' Club to Coney Island.

Cleveland, O., July 29.—Annual outing of Florists' Club to Cedar Point.

Davenport, Ia., July 21.—Annual picnic of Tri-City Florists' Club to Linwood, a 10-mile trip down the Mississippi.

Louisville, Ky., July 22.—Annual picnic of the Kentucky Society of Florists to Morats Lakeland.

Montreal, Que., July 29.—Annual picnic of Gardeners' and Florists' Club.

Omaha, Neb., July 23.—Annual picnic of Florists' Club to Krug's Park.

Tarrytown, N. Y., August 4.—Annual outing of Horticultural Society to Rye Beach.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Every paid subscriber to the AMERICAN FLORIST for the year 1908 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—By young Scotchman as gardener; private or otherwise; good knowledge; first-class references; smart; could start now; state wages. Key 583, care American Florist.

Situation Wanted—Working foreman in good commercial place; first-class grower of cut flowers roses, carnations, 'mums and forcing of all kinds of bulb stock; good plantsman.
Address Key 577, care American Florist.

Situation Wanted—Practical gardener, married, with experience in fruit, grapes, flowers and vegetables, out and indoors wishes position; prefers private place. Address GARDENER,
72 Angell St., Battle Creek, Mich.

Situation Wanted—As working foreman; single, German, 36 years of age; sober, reliable, good education; 23 years' practical experience in roses, carnations, 'mums, violets palms ferns, all kinds of fancy pot plants for Easter and Christmas designs and decorating; please state wages and particulars in first letter; first-class references. Key 580, care American Florist.

Help Wanted—Immediately; one experienced Beauty rose grower.
DALE ESTATE, Brampton, Ontario.

Help Wanted—Two good carnation and rose growers for section. WILL BROTHERS,
P. O. Box 29, Minneapolis, Minn.

Help Wanted—Two or three good rose growers. No helpers; apply in person to
BASSETT & WASHBURN, Hinsdale, Ill.

Help Wanted—A man to work in rose sections; state wages without board. Apply
COLE BROS., Peoria, Ill.

Help Wanted—Rose grower for section; sober hard-working man who understands his business; send references and wages wanted to
ERIE FLORAL CO., Erie, Pa.

Help Wanted—Single young man who has had several years' experience in rose growing. Give reference and particulars in first letter
H. H. BATTLES, Newtown Square, Del. Co., Pa.

Help Wanted—Young man with practical experience in general greenhouse work; state experience and wages wanted; references; position open now. J. A. BISSINGER, Lansing Mich.

Help Wanted—Young man as assistant on private place for carnations, chrysanthemums, violets, vegetables under glass and general greenhouse work; wages, $60 a month.
FRANK R. KUEHNE, Lake Geneva, Wis.

Help Wanted—At once a reliable man to take charge of greenhouses for retail place; one who understands raising carnations, roses, pot plants etc. Permanent position for right party.
MRS. ERWIN M. DANN, R. F. D., Phoenix N.Y.

For Sale—Several second-hand hot water boilers in excellent condition; will be sold cheap to clear. J. D. CARMODY, Evansville, Ind.

For Sale—The complete fixtures of a retail florist store, inluding ice box, mirrors etc.
MILLANG BROS., 41 W. 28th St., New York City.

For Sale—27,000 feet of glass without stock in a good locality in Chicago. Take Clark St. car to Francis St. Call or address
OWNER, 4016 N. Clark St., Chicago.

For Sale—Thriving retail florist business; fixtures new; established trade with $350.00 net per month in the summer time; finest location on Chicago's west side; bargain if taken at once.
Key 585, care American Florist.

For Rent or Sale—At a sacrifice, seven greenhouses and stock; the best stand in the center of the city. Don't overlook this snap. For particulars see advertisement in this paper June 20.
W. H HUMFELD FLORAL CO., Kansas City, Mo.

For Sale—A handsomely fitted up florists' shop in the best private neighborhood in New York, cor. Madison Ave. and 75th St., rent $150.00 a month; possession at once; lease satisfactory to good tenant, will sell reasonable. Address
Key 534, care American Florist.

For Sale—Greenhouses and stock; about 20,000 feet of glass, well stocked with all kinds of bedding plants, ferns, palms and cut flowers; for terms inquire of Mrs Hugo Book, College street, Worcester, Mass., or L Midgley, Worcester Conservatories, Worcester, Mass.

For Lease—Greenhouse plant, 15 000 feet of glass, well stocked; eight-room dwelling; large barn and out-houses; 30 acres of land, partially stocked and suitable for trucking; two miles from city of 30 000; 100 yards from 20-minute schedule street railway; good retail business established in city and surrounding territory. For full particulars address
Key 584, care American Florist.

For Sale—Will sacrifice on easy terms; greenhouse of 5,000 feet of glass, hot water heat, well stocked; city water and electric lights; 10-room house; good barn; 4 large lots; lots of fruit on place; established business; excellent shipping facilities; located in good northern Indiana town, near Chicago and several other good cities. For particulars, address
GAYLOR-KIEFER REALTY COMPANY,
Mishawaka, Ind.

FOR SALE.

Wholesale and Retail Floral Establishment well stocked, consisting of 12 greenhouses (about 35,000 square feet of glass); three acres of land; 12-room brick residence; shop, barn horse, wagons, implements, tools, etc. Everything in first-class condition. No parties but those who mean business and have cash need apply. Parties must see to appreciate. For terms address
C. CRAMER, R. F. D. No. 4,
Salt Lake City, Murray Station, Utah.

FOR SALE.

BARGAIN OF A LIFETIME. The advertiser is no longer able to attend to business and wishes to dispose of his greenhouse property in Indiana. The property consists in part of five lots, 75 feet front by 180 feet deep; fruit of all kinds; good modern six-room house, barn and other outbuildings; greenhouse heated by hot water; city light and water; two squares from depot. Address
Key 582, care American Florist.

FOR SALE.

Two second-hand boilers. Can be insured 75 lbs. pressure. Too small for our use.

Fort Madison Plow Co., Fort Madison, Iowa.

NOTICE
— OF —
STOCKHOLDERS' MEETING.

CHICAGO, July 16, 1908.

Stockholders of the American Florist Company:

You are hereby notified that the annual meeting of the stockholders of the American Florist Company will be held in the Cataract House, Niagara Falls, N. Y., Wednesday, August 19, 1908, at 3 o'clock P. M., for the purpose of electing directors and officers for the ensuing term, and for the transaction of such other business as may come before the meeting.

J. C. VAUGHAN, Pres.
M. BARKER, Sec'y.

NOW READY. **1908 EDITION.**

——THE AMERICAN FLORIST——

TRADE DIRECTORY

of the entire **HORTICULTURAL TRADE** of America,

Price, $3.00 Prepaid.

A complete alphabetical list of all American cities with the names and addresses of all commercial horticulturists therein. A separate list, arranged alphabetically, of every commercial horticulturist in this country. A separate list of park superintendents, and all cemeteries. A separate list of all florist's clubs and horticultural societies, with their newly elected officers to date.

Greenhouse Construction

BY PROF. L. R. TAFT.

It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 210 pages and 118 illustrations. **PRICE, $1.50**

Greenhouse Management

By the same author. Covers the subject completely. 382 pages. **PRICE, $1.50.**

American Florist Co.,

324 Dearborn St., Chicago.

HENRY M. ROBINSON & CO.,

Wholesale Commission Florists.

Hardy Cut Evergreens and Florists' Supplies.

BRONZE GALAX best quality...$8 50 per case, 10,000; **GREEN GALAX,** best quality... $7.50 per case, 10,000.
New Crop **DAGGER AND FANCY FERNS**..... $1.00 per 1000.

Laurel Festooning, Boxwood, Southern Wild Smilax, Sphagnum and Green Moss, Leucothoe Sprays, etc.

15 Province St. and 9 Chapman Place, BOSTON, MASS.

OUR PASTIMES.

At Chicago.

The following is the programme of sports and games for the Florists' picnic to be held at Morton Grove, July 19, as so far arranged for:

1. Guessing contest: How many seeds in watermelon; guess as often as you wish, 5 cents each guess. First prize, $5 in merchandize certificate on Marshall Field & Co. donated by Geo. Asmus; second prize, $5 in refreshment coupons.

2. Quoits (open to all), contestants to pitch in pairs, two quoits each and two trials each. Successful contestants to be doubled up until winner is found. First prize, silk umbrella; second prize, hair brush.

3. Tug of war, wholesalers versus retailers. Time, five minutes. Five men on each side. Prize, $1 in refreshment coupons to each member of winning team.

4. Forty yard race, girls 10 years and under. Handicap of one yard for each year. First prize, roller skates; second prize, box of handkerchiefs.

5. Forty yard race, boys 10 years and under. Handicap of one yard for each year. First prize, roller skates; second prize, pocket knife, donated by Leonard Kill.

6. Forty yard race, girls 16 years and under. Handicap of one yard for each year. First prize, silver thimble and scissors; second prize, back comb.

7. Fifty yard race, boys 16 years and under. Handicap of one yard for each year. First prize, pocket knife; second prize, scarf pin.

8. Fifty yard race, young ladies. First prize, 5 lbs. candy, donated by Archie Spencer; second prize, bottle of cologne.

9. Fifty yard race, married ladies. First prize, carving set, donated by E. Enders; second prize, silver cake knife, donated by John Zech.

10. Hundred yard race, open to the trade only. First prize, silk umbrella; second prize, box of cigars.

11. Fifty yard race for fat men; contestants must weigh 200 pounds or over. First prize, silver headed cane; second prize, military brush.

12. Hop, step and jump, open to the trade only. First prize, pair gold cuff buttons, donated by E. Enders; second prize, silver match case.

13. Forty yard sack race, open to all. First prize, ball and bat; second prize, glove.

14. Hundred yard race for greenhouse employes only. First prize, box of 50 cigars; second prize, box of 25 cigars.

15. Running broad jump, open to all. First prize, briar pipe, donated by E. Enders; second prize, box of cigars.

16. Three-legged race. Prize, box of cigars to each member of winning pair, donated by the E. F. Winterson Co.

BOWLING.

There was a good attendance of the trade at Bensinger's alleys Tuesday evening, and the following scores resulted:

Asmus	123	162	176	190
Balluff	175	209	112	142
Winterson	157	140	169	155
Reardon	107	126	120	135
Wolf	147	176	127	162
Ayers	86	172	159	111

The ladies scored as follows:

Mrs. Asmus	90	121	96	134
Mrs. Balluff	106	80	80	78
Mrs. Kreitling	95	128	138	116
Mrs. Winterson	116	112	119	114
Mrs. Hauswirth	72	92	93	118
Mrs. McKellar	86	103	150	147

After the regular games, E. F. Winterson, Geo. Asmus and Chas. Balluff bowled a match game. The scores were remarkably even, Asmus rolling 165 and Winterson and Balluff being tied at 166. On the roll-off Balluff won by a single pin.

BASEBALL.

A spirited game was played Sunday afternoon between Kyle's Florists and a Desplaines team. The teams were about evenly matched and the game was remarkably free from errors. The Florists, however, could not break away from the hard luck which pursued them through the previous two games and lost again, 6 to 5 in favor of Desplaines.

Fancy and Dagger FERNS $1.00 per 1000

Discount on large orders.

New Crop Galax, Bronze or Green, $1.25 per 1000; 10,000, $8.50.
Sphagnum Moss, large bales.....$1.25
Leucothoe Sprays.....$1.00 per 100; 1000, 7 50
Boxwood.....35c per bunch; 50 lbs., 7.50

Florists in the Middle and Western States can save money by placing their fern orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,
WHOLESALE COMMISSION FLORISTS,
38-40 Broadway. All Phone Connections. **DETROIT, MICH.**

Special Offer for 10 Days

Nice fancy **FERNS** 85c per 1000. Good **Dagger Ferns** $1.00 per 1000. New crop **Dagger Ferns,** $1.50 per 1000. **Galax,** Green and Bronze $1.00 per 1000: case lots, 10,000, $7.50. 50-lb. cases **Wild Smilax** $6.00. **Leucothoe Sprays,** bronze or green, 40c per 100. **Ground Pine,** 5c per lb. or 5c per yd. **Pine** and **Laurel Wreaths,** for decoration use: Pine, $1.50 per doz., Laurel, $2.50 and $3.00 per doz. Send your order early for your decoration use. **Laurel Festooning,** 4c., 5c. and 6c. per yard; made daily fresh from the woods.

Boxwood, No. 1 quality $8.00 percase, 50lb. Telegraph Office, New Salem, Mass. L.D. Phone Conn's.

CROWL FERN CO., Millington, Mass.

Sphagnum Moss and Cedar Poles.
Moss, 5 barrel bale, $1 25; 2 bales, $2.25; 5 bales $5.00; 10 bales, $9.50. **Poles,** 2-in. butt, 8 ft. long, $15.00 per 1000; 2½-in. butt, 10 to 12 ft. long, $22.50 per 1000; 1½-in. butt, 5 to 7 ft. long, $10.00Cash.
H. R. AKERS, Chatsworth, N. J.

At New York.

BOWLING.

Notwithstanding the hot weather the bowling team showed up in good form on the night of July 10, and the practice was very spirited. The highest scores follow:

Traendly	130	128	132
Scott	158	144	150
Berry	129	170	162
Zangen	111	140	90
O'Mara	154	124	138
Marshall	145	145	162
Irwin	164	141	231
Shaw	126	114	130

At Boston.

At a meeting of the Gardeners' and Florists' Club, held July 7, the following programme of sports was decided upon for the annual picnic to be held at Pine Banks park, Malden, August 29.

Baseball captains, private, R. W. Curtis; commercial, F. E. Palmer. Ring master, W. J. Kennedy. Starter, P. M. Miller. Handicapper, Wilfred Wheeler. Judges, Wm. Downs, T. J. Grey, E. Holmes, E. Johansson, P. J. Turley, Duncan Finlayson, Kenneth Finlayson, James Miller. Refreshments, D. Finlayson, J. P. A. Guerineau, T. Peglar.

Confined to club members and members' sons under 18. No competitor can win more than three prizes, not including the baseball events.

Baseball. Private gardeners vs. commercial men.
Baseball. Boys, limited to five innings.
Quoit match.
100 yards dash for boys under 15 (handicap).
Sack race for men, 75 yards.
Married women's race, 75 yards.
Fat man's race, 100 yards.
100 yards dash for men.
Three legged race for boys.
High jump.
Putting shot.
Half mile race for men.
50 yards race for girls under 16 (handicap).
50 yards race for boys under 12 (handicap).
Three legged race for men.
50 yards race for girls under 12 (handicap).
Running broad jump.
Tug of war, married men vs. single men.

Asparagus Plumosus Nanus Seed, Only **$3.00** 1000

We handle this Asparagus both in seeds and plants of all sizes in very large quantities, and make very close prices on larger amounts on application. Our seed is pure, fresh, of best germinating quality and extraordinary vitality.
Northern Greenhouse-Grown Seed. Per 100 seeds, **60c;** 250 seeds, **$1.00;** 1000 seeds, **$3.00.** Price for larger lots on application.
VAUGHAN'S, Chicago or New York

George Cotsonas & Co.
Wholesale and Retail Dealers in all kinds of
Evergreens.

Fancy and Dagger Ferns, Bronze and Green Galax.
Phone 1202 Mad. Sq.
Main Store, 50 W. 28th St., NEW YORK

E. A. BEAVEN
Southern Wild Smilax,
Log Mosses,
Natural and Perpetuated—at Wholesale,
EVERGREEN, ALABAMA.

JOHN P. SCHERER,
Telephone 328 L Union.
636 Gardener St., UNION HILL, N. J.
SMILAX, FERNS, PALM LEAVES
and all kinds of GREEN GOODS.

THE KERVAN COMPANY,
113 West 28th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe, Ferns, Mosses and all Decorative Evergreens.

Rich Black Earth for Sale

BY THE SANITARY DISTRICT OF CHICAGO

Offers **137,000 Cubic Yards of Soil** along the proposed North Shore Channel from Evanston to Lawrence Avenue, Chicago.

FACILITIES FOR STORING AND BARGING

Bids to be received **July 29, 1908.** For particulars address

Manager Real Estate Department, Sanitary District of Chicago,
1500 American Trust Building, CHICAGO, ILLINOIS.

NEW BEAUTIES

Fine young plants. Stems 12 to 24 inches long. Choice flowers.
These were planted March 1, especially for summer.

Kaiserin, Carnot, Killlarney, Perle and Richmond.

All grown in solid benches, with roots down deep in cool soil. These plants are from three to six years old. They produce by far the best flowers in summer.

Asparagus, Smilax, Sprengeri, Adiantum, Choice Auratum Lilies, Field-Grown, Strong Stems.

BUY YOUR FLOWERS DIRECT OF THE GROWERS, and get the freshest possible stock
Our cooling rooms and shipping facilities are unexcelled. **GIVE US A TRIAL ORDER.**

BASSETT & WASHBURN,

GREENHOUSES: HINSDALE, ILL. **Office and Store: 76 Wabash Ave., CHICAGO.**

At Louisville.

The annual picnic of the Kentucky Society of Florists will be held at Morat's, Lakeland, Ky., July 22. We want to see everybody present, as a good time is assured.

BOWLING.

Capt. Schulz's team made it three straights Monday night. Walker was high with 206. Following are the scores:

	1st	2nd	3rd
Fred L. Schulz	130	153	149
Wm. Walker, Jr.	137	206	96
Geo. Stark	152	79	124
Andy Brand	110	136	114
Jos. Wettle	99	95	128
Total	628	669	611
John Hettinger	164	111	146
James Doerr	139	98	134
Jacob Schulz	113	84	125
John Skrobanek	92	111	119
Robt. Miller	117	87	81
Total	625	491	605

F. L. S.

At Birmingham, Ala.

The Florists' and Horticultural Society will give its first annual barbecue and picnic July 22. Cars will leave the city at noon to carry the party to the lakes at Bessemer, where we will have field sports and other amusements. While this is a prohibition city and considered a dry town this is not the reason we are going to the lakes, as our vice-president assured us we would not have to indulge freely out of the beautiful springs that feed these lakes but that there would be enough of liquids to wash down this barbecue and every member cordially invites every florist or representative of any firm that happens to be down our way to join us assuring them that they will have the time of their life. Once you eat a piece of Alabama barbecue and take a drink of this extra pale, you will remember us boys while you live. ALA.

At Springfield, O.

The members of the Florists' Club had a great time at their picnic, which was held July 7 at Eicholtz park. They played all kinds of games and enjoyed a big dinner served by Chas. Kreigbaum. Leman Bradford's team won from Charles Schmidt's team by the score of 8 to 6. The batteries were: Bradford's team, J. M. Good and Carl Glenn; Schmidt's team, Charles Schmidt and Charles Umglaube. The return trip on the S. T. and P. line was made at 8 p. m.

ST. LOUIS, MO.—Several valuable prizes have been offered for the events at the picnic at Normandy Grove, and a bowling match has been arranged between the ladies and men.—W. F.

At Omaha.

The annual picnic of the Florists' Club will be held at Krug's Park, Thursday, July 23, afternoon and evening. Good music and various entertainments are promised. Foot races at 4 p. m., consisting of a ladies' race, men's race, girls' race and boys' race. Prizes awarded. Photographs taken at 5:30 p. m. Supper at 6 p. m. L. H.

At Baltimore.

Quite a party from Washington put in an appearance Saturday for the bowling games, and they were vigorously contested. In the team match Ernst, MacClelland, Shaffer, Cooke, Simmons and Berry rolled against Seibold, Moss, Richmond, Perry, Klutch and Harry Lehr. Each won three games. After the games there was a supper and pleasant social intercourse.

MARINETTE, WIS.—Some extensive improvements have been started at the Vatter greenhouses in this city consisting of a complete rebuilding of the houses. The southeastern portion of the structure has been pulled down and a large and roomy structure is taking its place, built of concrete block. While the total number of houses will be no greater than formerly, they will be larger and better.

Auratum Lilies.... **$1.50 per doz. $12.00 per 100.**

Good Cut Flowers...

In summer it is even more important than at other seasons that you order from those who have the facilities for supplying GOOD stock, for no other kind will pay to ship. Call on us—we have the best the season affords.

We handle **FANCY VALLEY** in large quantities daily. **FANCY FERNS,** new crop, specially good, $1.25 per 100.

A. L. RANDALL CO., Wholesale Florists,

L. D. Phone Central 1496.
Private Exchange all Departments.

19-21 Randolph Street, CHICAGO.

Chicago.

MIDSUMMER TRADE FAIR.

Trade has now fairly settled down to midsummer conditions, with little complaint to be made. On the whole the volume of business is probably ahead of that of the same period last year, not up to that of two years ago, which is said to have been the best summer trade seen on this market. The extreme heat of the past few days has badly crippled both carnations and roses which were in very good condition due to the previous cool weather. However, at that, stock seems to be sufficient for the existing demand. American Beauty roses from young plants are now beginning to come in, some showing stems as much as 24 inches long. Very limited quantities of long stemmed stock from the plants continue to come in. The usual line of midsummer roses is seen, although somewhat the worse for the heat. Much the same may be said of carnations. The red varieties plainly show the prevalence of thrips, which simply cannot be kept down at this season. Asters are slow in coming, stems still being short and the flowers themselves mostly of poor quality. Auratum lilies are abundant and about the only lilies now to be had. Cold storage peonies have gone very slowly the past week and very good stock in this line can still be obtained.

NOTES.

Lake Forest, with its county fair and flower show, was en fete July 15. The display of vegetables was remarkably fine and that of flowers and decorative plants much better than that of last year. Peterson's Nursery and Swain Nelson & Sons Co., this city, had nice displays of outdoor stock outside of the Art Institute, where the show was held. The show was well attended both by the local people and others interested in horticulture, there being quite a number of visitors from this city, Lake Geneva, Wis., etc.

Bassett & Washburn are now cutting fine stock from new American Beauty plants placed in the benches as late as March 1. Stems fully two feet long are already obtained. The vacation fever has hit here with Miss Bloom taking an outing at Lakeside, Mich., and Louis Winkleman, who has charge of the American Beauty roses at the store, is also away.

The A. L. Randall Co. reports making regular daily shipments of cut flowers to southern points with little or no complaint on the part of the customers. Fine outdoor auratum lilies are now seen here. This firm also reports a very satisfactory mail order business in supplies and wire work. Wm. Lorman, the shipping clerk, is now on his vacation.

On Monday a bunch of Drop White peonies was discovered among a number of pink varieties placed in cold storage by A. Kennicott & Son. This is a variety that is not supposed to keep well in storage and in fact is moved off as rapidly as possible after picking, but in this instance was found to be in good salable condition.

E. C. Amling says his growing trade demands more counter space, and this he has obtained by a more advantageous disposal of the room at his command and reducing the dimensions of his private office to the space absolutely required by that end of his business.

"THE BUSIEST HOUSE IN CHICAGO."

J. B. DEAMUD CO.,

51 Wabash Avenue,
CHICAGO.

N. C. Moore & Co. narrowly missed a serious fire in their greenhouses at Morton Grove last Friday night. A blaze broke out in the boiler room, but quick action on the part of employes and the local volunteer fire department warded off any trouble to other parts of the establishment.

Howard Evarts Weed, the landscape architect, has been touring Michigan for the American Civic Association. On the evening of July 10 he was in Bay City. His lecture, illustrated with stereopticon views, was entitled: "A More Beautiful America."

Caspar Manheim, aged 62, who died July 6 was laid to rest in St. Boniface cemetery on Thursday of last week. His son, Harry Manheim, of J. A. Budlong's, keenly felt the sympathy of the trade who contributed flowers in profusion.

A hail storm passed over Hinsdale and Western Springs one day last week. Some of the stones were of good size, but, while serious apprehension was felt for a time, very little damage to greenhouse glass resulted.

The H. M. Hooker Co. on Monday received a long distance telephone order from the Clinton Falls Nursery Co., Owatonna, Minn., for a carload of glass.

Miss Eaton, of the Eaton Flower Shop, left Tuesday morning in her automobile for her cottage at Channel lake. She will spent most of the summer there.

Henry Segar is now located at 10232 Church street instead of at 1730 W. One Hundred and Seventh street as formerly.

Several huge bunches of gypsophila are to be seen at the J. B. Deamud Co.'s almost any day now.

John Brod, Jr., H. R. Hughes' right hand man, has gone east to spend his vacation.

Vaughan's Seed Store received a carload of Harrisii lily bulbs July 14.

Nasturtiums were a feature with the E. F. Winterson Co. last week.

The thermometer stood at 97° F. last Saturday afternoon.

Visitors: S. A. Anderson, Buffalo, N. Y.; W. E. Kemblisson, Oskaloosa, Ia.; — Thompson, of R. C. Engledew & Co., Geneva, Ill.; Wm. Feniger, Toledo, O.; H. M. Burt, of Burt & Coggan, Battle Creek, Mich.; Chas. A. Butterfield, Farmington, Mo.; Mrs. T. A. Moseley, Kansas City, Kans.; H. E. Philpott, Winnipeg, Man.; Theo. F. Kienahs, La Crosse, Wis.

Chicago to Niagara Falls.

F. F. Benthey, of the transportation committee of the Chicago Florists' Club, announces that arrangements have been completed with the Wabash R. R. as the official route from this city to the S. A. F. convention. The convention party will leave on Monday, August 17, at 3 p. m., and the fare for the round trip will be $19.50. The party will go direct to Niagara Falls, with the privilege of a 10-day stopover in that city. Those who wish can, without additional charge, take the Gorge route to Lewiston, and thence by boat to Toronto. Parties so desiring can, at Toronto, have their tickets exchanged for all rail, returning to Chicago via the Canadian Pacific to Detroit and thence by the Wabash.

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.

Vaughan & Sperry,

Wholesale Florists,

56 and 80 Wabash Ave., CHICAGO

WRITE FOR SPECIAL PRICES.

Davenport, Ia.

TRADE VERY QUIET.

Business the past week has been as quiet as ever seen here. With the exception of a few small funeral orders there is practically nothing doing. Perhaps this is just as well, as it is long since flowers have been so scarce as they are now. A week later, however, there will be plenty, as asters, gladioli, etc., are coming in. Rose planting has been completed, and several have a bench or two of carnations planted with indoor-grown stock. Chrysanthemums are looking fine, and many have been planted, both pots and bench.

FLORISTS' CLUB MEETING.

The Tri-City Florists' Club held its July meeting at the beautiful home of the president, Wm. Knees, of Moline, Ill. As President Knees has established a reputation as an entertainer, it is not surprising to know that almost every member was present at the meeting at his home. Being ladies' night, the florists brought their wives, and the meeting was given over mostly to a social time. John Staack was present and was shaking hands and receiving the congratulations of the married men and the expressions of sympathy of the single ones. The topic for the evening was "Designs and Summer or Outdoor Flowers for the Use of Florists."

T. E.

Long Distance Phone Central 6004.

E. F. WINTERSON CO.

45-47-49 Wabash Ave., CHICAGO.

Wholesale Cut Flowers and Florists' Supplies.

ALL CUT FLOWERS IN SEASON

at Chicago market quotations. **Consignments Solicited.**

Chas. W. McKellar

51 Wabash Ave.
CHICAGO.

ORCHIDS
A Specialty

Fancy Stock in **Violets, Valley, Roses, Beauties, Carnations** and a full line of all **Cut Flowers, Greens, Wire-Work** and **Florists' Supplies.**

Send for Complete Catalogue.

Cut Flowers ⚜ **E. H. HUNT**

FOR ALL OCCASIONS.
FLORISTS' SUPPLIES TOO.

——SEND FOR PRICE LIST.——
76 Wabash Avenue, CHICAGO.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of **CUT FLOWERS**

E. C. AMLING

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 Randolph Street, CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO July 15.

Roses, Beauty, extra fancy		4 00
" " 24 to 30-in. stems		3 00
" " 12 to 20-in. stems.	1 50@	2 00
" " short stems		1 00
" Killarney	6 00@	12 00
" Bride, Maid, Ivory Gate	4 00@	6 00
" Liberty, Richmond	4 00@	8 00
" Chatenay, Perle	4 00@	6 00
Carnations	1 50@	3 00
Lilium Harrisii, per doz.,	1 00@	1 25
Callas, per doz.,	1 00@	1 25
Lily of the Valley	2 00@	4 00
Gladiolus, per doz.,	1 50@	2 00
Peonies, per doz.,	40@	75
Snapdragon, per doz.,	50@	75
Sweet peas	50@	2 00
Pansies	75@	1 50
Cornflowers	60@	75
Daisies, White	75@	1 00
" Yellow	1 00@	2 00
Smilax, per doz		2 00
Asp. Plu. & Sprengeri, bunch		50
Asparagus strings, each		50
Adiantum, per 100	75@	1 00
Leucothoe sprays	60@	75
Ferns, per 1000		2 50
Galax, Green, per 1000		1 00
" Bronze, per 1000		1 00
Boxwood, per bunch		35

KENNICOTT BROS. COMPANY,

Wholesale Cut Flowers.

48-50 Wabash Ave.,
CHICAGO.

L. D. Phone, Central 466.

Peonies Now
Price 3 to 6 cents.

We will have anything in the line of

Cut Flowers and Greens

that you may want if anybody has it, at Chicago market prices on day of shipment.

Poehlmann Bros. Co.

Wholesale Growers of
and Dealers in **Cut Flowers**

All telegraph and telephone orders given prompt attention.

Greenhouses: MORTON GROVE, ILL.
35-37 Randolph St. CHICAGO.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO
Telephone, Central 3284.

WEILAND & RISCH

Wholesale Growers and Shippers of
CUT FLOWERS
59 Wabash Ave., CHICAGO.
'Phone Central 879.
Write for our wholesale price list.
WHOLESALE FLORISTS

WAUSAU, WIS.—The Wausau Ginseng Gardens Co. has been incorporated with capital, $20,000; incorporators, Henry Denfeld, H. J. Seim, W. D. Siebecker and J. H. Koehler.

THE BENTHEY-COATSWORTH CO.
35 RANDOLPH ST. **WHOLESALE FLORISTS** CHICAGO.

—THE—
J. M. McCullough's Sons Co.
Wholesale Commission Florists.
CONSIGNMENTS SOLICITED.
Special attention given to Shipping Orders.
Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.
Price List on Application.
316 Walnut St., CINCINNATI, OHIO.
Phone Main 584.

Holton & Hunkel Co.
WHOLESALERS OF
CUT FLOWERS and SUPPLIES.
462 Milwaukee St.,
MILWAUKEE, WIS.

New Orleans.

The Horticultural Society held its annual outing and banquet at Mandeville last Thursday, and all the members expressed themselves as having had a jolly good time. The party consisted of 32 members and invited guests, and they made a delightful trip over the lake of two hours, on the steamer New Camellia. Each of the party was provided with a boutonniere, red for members and white for guests. Among the participants was Prof. A. H. Rosenfeld, who was brought down from Baton Rouge as a special guest by Harry Papworth.

Arriving at Mandeville the party took possession of Mugmer's hotel, where the feast was to be spread. The hotel made a very pretty sight, being gaily decorated for the occasion with flags and bunting of the national colors and the table with ferns and American Beauty roses. After indulging in a few appetizers and telling several stories that probably originated in the Garden of Eden on account of the fruit connected with it, the hungry party filed into the back veranda, where the chefs prepared a menu that could have been better in many respects. After a few well chosen remarks made by several members, the party retired to Paul's saloon, where a pleasant evening was spent in cards, backgammon and other amusements. Unfortunately there is no bowling alley in Mandeville, as Charley Panter, weighing 270 pounds, and H. A. Despommier, weighing 130 pounds, were to have a roll for the championship of the society.

Those present at the outing were: Chas. Eble, president; Henry Cook, vice-president; C. R. Panter, secretary; John Eblen, treasurer; P. A. Chopin, Harry Papworth and Otto Abele, outing committee: A. Alost, C. L. Ory, F. Calongne, J. A. Newsham, H. A. Despommier, F. Faessel, J. Rausch, J. St. Mard, E. Baker, R. Steckler, Jos. Schindler, Otto Werner, Frank E. Brocker, H. Krack, John Eblen, C. W. Eichling, H. Doerscher, R. E. Simons, Paul Abele and J. A. Schalk. Invited guests: R. P. Upton, H. S. Karstendeck, Prof. A. H. Rosenfeld, Bernard Eble and J. E. Tims, of the assessor's office, representing Mayor Behrman. The annual election of officers will be held on the 16th at Kolb's hall and a lively time is expected.

D.

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations and all kinds of Seasonable Flowers in stock.
WM. F. KASTING CO. Wholesale Commission Florists.
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

Weiland & Olinger,
128 E. Third St., CINCINNATI, OHIO.
Wholesale Growers and Shippers of Cut Flowers.
Greenhouses, NEW CASTLE, IND.

Wholesale Flower Markets

BUFFALO, July 15.

Roses, Beauty	3 00@25 00
" Bride, Bridesmaid, Meteor	3 00@ 8 00
Carnations	1 00@ 2 00
Lily of the Valley	2 00@ 4 00
Smilax	15 00
Adiantum	50@ 1 50
Lilies	6 00@10 00
Galax, per 1000, $1 50	
Ferns, per 1000, 1 50	
Mignonette	1 00@ 2 00
Daisies	50@ 1 00
Sweet Peas	20@ 50
Asparagus Sprengeri, per bunch,	25 50
Asparagus Plumosus, per bunch,	25@ 50

CINCINNATI, July 15.

Roses, Beauty, $1 00@$ 3 00	
" Bride, Bridesmaid	2 00@ 4 00
" Richmond	2 00@ 4 00
" Golden Gate	2 00@ 4 00
" Ivory	2 00@ 4 00
Carnations	1 00@ 2 00
Lily of the Valley	2 00@ 3 00
Shasta Daisies	50
Harrisii	10 00
Smilax	12 50@15 00
Asparagus Plumosus and Sprengeri in bunches, per bunch, 25c	
Eastern Ferns, per 1000, $1 50	
Galax, Green and Bronze	1 00
Sweet Peas	50

ST. LOUIS, July 15.

Roses, Beauty, long stems	2 00@ 2 50
" " medium stems	1 50@ 2 00
" " short stems	3 00@ 6 00
" Bride	2 00@ 5 00
" Bridesmaid	2 00@ 5 00
Carnations, common	75@ 1 00
" best	1 50@ 2 00
Smilax	12 50
Asparagus Sprengeri	1 00@ 2 00
" cut sprays	1 00@ 2 00
Ferns, fancy, per 1000, $2 00	
Lily of the Valley	3 00
Sweet Peas	15@ 25

MILWAUKEE, July 15.

Roses, Beauty, 75@ 3 00	
" Liberty, Chatenay	2 00@ 6 00
" Bride, Bridesmaid	2 00@ 6 00
" Richmond, Golden Gate	2 00@ 8 00
" Perle	1 50@ 6 00
Carnations	1 00
Lily of the Valley	3 00
Giganteum Lilies	8 00
Harrisii Lilies	6 00@ 8 00
Adiantum	1 50
Sweet Peas	50
Gaillardia	50@ 1 00
Shasta Daisies	50
Asparagus, per string,	50
Asparagus Sprengeri, per bunch,	25@ 35
Asparagus Plumosus, " "	35
Galax, per 1000,	1 50
Smilax, per doz.,	1 50
Common Ferns, per 1000,	1 50

Buffalo Cut Flower Co.
495 Washington St.,
BUFFALO, N. Y.
Long Distance Phones:
Bell Seneca 3762. Frontier 3607.
CARNATIONS, ROSES
and all other seasonable flowers on hand at all times.
—ALSO—
Wire Designs and Florists' Supplies

RICE BROTHERS
Wholesale Florists and Supplies,
115 N. 6th St., MINNEAPOLIS, MINN.
CUT FLOWERS received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities.

C. A. KUEHN,
Wholesale Florist,
1122 Pine St., ST. LOUIS, MO.
A Complete Line of Wire Designs

Wm. C. Smith & Co.
WHOLESALE FLORISTS,
Bell, Main 2018. Kinloch, Cent. 410.
1316 Pine St., St. Louis, Mo.

H. G. BERNING,
Wholesale Florist
1402 Pine St., ST. LOUIS, MO.

New York.

SUMMER CONDITIONS.

The wholesale district has settled down to a period of dullness and the disposition of those whose business is there, seems to be, to accept the situation as gracefully as possible. Nearly all the stores now close at 4 p. m. and for all the business that is being done there seems no good reason why it should not be finished by 1 p. m., leaving one man about each store for possible emergency calls. Vacations are the order of the day and that state of affairs will continue throughout the heated term. The withering heat of the past two weeks has left its mark on most every stock that comes in. There are lots of roses, Bridesmaid in particular, coming in that are simply trash and it seems like throwing good money away to express them here as many of them are not even fit for funeral work. But this is not saying that there is a scarcity of stock for there is enough of fair quality to supply all demands. The use of orchids in funeral work seems to be on the increase and they, with a plentiful supply of lily of the valley, put good material in the hands of the designers. American Beauty and Kaiserin are about the only roses coming in that are worth considering, though there are a few odd lots of other varieties that are passable. The asters are now arriving in appreciable quantities and will help speed the parting with the carnations, many of which have dwindled in size of bloom so that even a large bunch

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44 West 28th Street, Phones, 798 and 799. New York City.

Alexander J. Guttman,
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES, 1664-1665 MADISON SQUARE
ENOUGH SAID

looks like the proverbial 30 cents. In the retail stores, even the small force that has been retained for the summer, have to resort to various devices, not strictly in the curriculum of the florist, to drive dull care away, painting and cleaning up the basements being favorite diversions put forward to fire the youthful heart with love for work.

July 13.—According to the weather bureau, there has never been such a drought in the country adjacent to this city so early in the season since the work of keeping records was begun. From New Jersey, Long Island and Staten Island reports are coming in of vegetable and flower crops literally burning up in the fields. "The asters must have rain soon," said a well-known grower this morning; "they are so dry that they cannot last much longer." Reports on field carnations are equally disquieting.

After a Sunday of intense, blistering heat and which drove the largest part of the population to the beaches or other places where they hoped to keep cool, the market opened this morning, dull and languid, with a very light demand. Gladioli are quite plentiful, but they drag, the same as other stocks. The quality of roses averaged a little better in color, due probably to the cool weather of the latter part of last week.

VACATION NOTES.

Jos. S. Fenrich is now living with his family at Asbury Park, N. J., but he has by no means deserted the wholesale district, simply joined the grand army of commuters.

Maurice Kleinman, buyer for Myer, Fifty-eight street and Madison ave., will in a few days, take his family to Long Branch, N. J., for a month's stay.

Nick Schreiner of Henshaw's is spending his vacation down by the New Jersey shore, presumably at some resort that has well equipped bowling alleys.

Miss Anna Leavitt, bookkeeper for Fenrich, after a short stay at Atlantic City will go to the Catskills for a three weeks vacation.

James Coyle, head salesman at Froment's is spending a month at the Ocean House, Asbury Park, N. J.

John Young is now dividing his time between the wholesale district and his summer home at Bedford.

Miss H. Southwell, bookkeeper at Myer's, has gone to Thousand Islands with a party of relatives.

NOTES.

Geo. Cotsonas and Miss Margaret Luckert were married at Vienna hall, Fifty-eighth street and Madison avenue, at 4 p. m., July 12. The interesting ceremony, according to the rites of the Greek church, took place in the presence of a large number of invited guests. The ceremony was performed under an arbor of oak leaves handsomely decorated with pink and white roses, while the entire hall was elaborately decorated in the same general scheme. The bride carried lily of the valley and her sister, as bridesmaid, pink roses. After the knot was tied a bountiful repast was served. Geo. Cotsonas is well and favorably known as a dealer in decorative greens at 50 West Twenty-eighth street; the bride, a very pretty and sensible young woman, is a member of a respected German-American family residing at 132 West Twentieth street. The decorations were executed by M. Rovatzos, P. C. Capsopoulas and other friends of the groom. Among the guests were Geo. D. Nicholas, W. J. Kleine and wife, Mrs. A. W. Smith, Geo. N. Hart, N. Christatos and wife, N. Lecakes, Phillip Kessler, A. F. Faulkner, AMERICAN FLORIST representative, and many others.

Visitor: H. B. Fish, Carpinteria, Calif.

ALBANY, N. Y.—All the principal retailers now close their stores Saturday afternoons.

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PERKINS & NELSON,
Wholesale Florists,
57 West 26th Street, Cor. 6th Avenue NEW YORK.

Wholesale Flower Markets

NEW YORK July 15.

Roses, Beauty, special	15 00@20 00
" " fancy	8 00@10 00
" " extra	4 00@ 8 00
" " Nos. 1, 2 and 3	50@ 3 00
" Richmond	1 00@ 4 00
" Kaiserin special	4 00@ 6 00
" Bride, Bridesmaid, Killarney extra and special	2 00@ 4 00
No. 1	50
No. 2	25
Carnations, all grades	25@ 1 00
Lilies	3 00@ 6 00
Lily of the Valley	1 00@ 3 00
Asparagus Plumosus strings	25 00@40 00
" per doz. bunches	2 00@ 3 00
Smilax	8 00@10 00
Cattleyas	35 00@40 00
Gardenias	1 00@ 5 00
Asters	1 00@ 2 00
Sweet Peas....per dozen bunches	25@ 50
Snapdragon	1 00@ 3 00
Gladiolus	2 00@ 4 00
Centaureas	1 00@ 2 00
Daisies	25@ 30
Coreopsis	25@ 30
Candytuft.....per dozen bunches	40@ 50
Feverfew.....per dozen bunches	60@ 75

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J. Seligman. Joseph J. Levy.
John Seligman & Co.
WHOLESALE FLORISTS,
56 West 26th Street, NEW YORK.
Opposite N. Y. Cut Flower Co.
Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best Prices. Satisfaction guaranteed. Tel. 4878 Madison.

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All flowers in season. Consignments of first-class stock solicited.
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Moore, Hentz & Nash,
Wholesale Commission Florists
55 and 57 West 26th Street,
Telephone No. 756 Madison Square. NEW YORK.

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WHOLESALE COMMISSION.
American Beauty Roses a Specialty. Roses, Violets, Carnations, Valley, Lilies, Etc.
57 West 28th St., NEW YORK CITY
Telephones: 2200 and 2201 Madison Square.

Walter F. Sheridan
WHOLESALE FLORIST,
Telephones: 3532 and 3533 Madison Sq.
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Young & Nugent,
Telephone, 2065-2066 Madison Sq.
42 West 28th St., New York
To out-of-town Florists: We are in the Heart of
And give Special attention to Steamer and Theater orders. Prompt deliveries and best stock in the market.

N. Y. Cut Flower Exchange
Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable Wall Space to Rent for Advertising.
V. S. DORVAL, Secretary.

Samuel A. Woodrow
WHOLESALE
PLANTSMAN AND FLORIST.
53 W. 30th St., NEW YORK.
Out of Town Orders a Specialty.
Telephone 2083 Madison. Consignments solicited

—FLOWERS SHIPPED BY—
JOHN I. RAYNOR
Are the best product of the best growers for the New York Market.
Adiantum Croweanum sold here exclusively.
49 W. 28th St., NEW YORK
Telephone 1998 Madison Square.

Philadelphia.

FUNERAL WORK ONLY.

Business is now almost at a standstill, there being no large decorations, and very few small ones, for that matter. In the outlying districts, where the principal work is designs for funerals, there is more or less doing all the time. What little demand the city stores enjoy is from the same source. Outside of American Beauty and Kaiserin roses, lily of the valley and a few orchids the stock of flowers is very poor and prices hardly worth quoting. Double white petunias and feverfew are in demand for the funeral work, also gladioli, which are to be had in fairly good quantity. They are largely used for window and hotel table decoration, being quite popular at the resorts. Asters are coming in slowly, a little lot now and again. A continuous supply is promised for next week, and from that time on they will be one of the staples.

IMPORTANT SALE.

The trade feature of the week will be the sale under the hammer of the Wm. Graham Co.'s stock by Receiver David Rust at Horticultural Hall. It has taken more than a week to get the stock together, assort it and have it catalogued. One would hardly believe it possible that such an assortment was required for one firm's business. The business of the company was mainly decorative, and for this it required a large line of electrical goods, including chandeliers, letters and numerals, large and small, lamps of all sizes, in fact, everything that a regular electrical business requires. Bunting and flags, shields, coats of arms and all decorative material of this kind, from the common cheesecloth to the finest silk-fringed flags and gilded banners, are seen here in large quantities. There are also furniture and chairs, tables, couches, sofas, carpets, rugs and curtains, much of the material being of the best. This firm catered to the better class of trade and most of its work was of a very high order. A large lot of the decorative material, such as banners, flags, bunting and painted scenery, was purchased a year or so ago from the Floral Exchange, which closed out this branch of its business. There is also a large lot of ordinary decorative aids and material of the ordinary flower store, vases, pedestals, wire frames and designs, pot covers, etc. Some idea may be formed of the immensity of the stock when, although closely arranged, it occupies the entire space of Horticultural Hall, both upstairs and downstairs. The catalogue consists of 785 numbers or lots, the great majority of which represent, not one article, but a large quantity, as hundreds of yards of bunting, or 50 or more yards of carpets, or a dozen or more expensive electric chandeliers or candelabra, etc. For a collection of such magnitude it is in remarkably good condition, and it is a great pity that it has to be thrown on the market in this manner. It is expected it will take two days to complete the sale.

NOTES.

Godfrey Aschmann, of Tenth and Ontario streets, is sending out something in his line every day. A good deal of the stock sold now is for growing on by florists who do not import themselves, and who take advantage of a little empty space in the summer to grow on such plants as araucarias, palms and fancy ferns to brighten up their places for the fall opening.

Alban Harvey & Sons of Brandywine, Summit, carnation specialists, have a splendid lot of Winsor, over 8,000 plants, all of indoor culture; these are even now of good size and promise a fine crop of choice flowers in the early fall.

Edward Reid is handling quantities of Kaiserin roses; these and American Beauty are his summer specialties and even though trade is dull he says he sells them all.

K.

Boston.

FLOWERS SCARCE AND POOR.

The flower market is very quiet. Flowers are scarce and poor in quality. Gladioli are scarce on account of the continued drought and are bringing $6 to $8 per 100. Sweet peas are very poor and are worth $2.50 per 1,000. Roses on the whole are only fair. Killarney, Kaiserin and Mme. Chatenay bring $8 to $10 per 100. Retailers find business in accordance with the market there being nothing doing except the funeral work.

NOTES.

We regret that Chas. E. Richardson, for many years treasurer of the Massachusetts Horticultural Society, is seriously ill at the home of his son-in-law, Geo. W. Mitton, Salisbury road, Brookline.

W. F. Kenny of Galvin's Back Bay store has taken a summer position as decorator at the Mt. Desert nurseries, Bar Harbor, Maine.

Geo. Dunn, of Galvin's, has taken a trip through Maine and Wm. Henderson, of the same store, has gone to New York for two weeks.

Frank Reynolds of N. F. McCarthy & Co., was married July 8 to Miss Barthelmas, of Brookline.

Visitor: W. Gibson, of Gibson Bros., Newport, R. I. B.

Notes from Boston and Vicinity.

The gypsy moth is now a nightmare to gardeners and assistants. The thousands of trees with a strip of gunny sacking around their trunks provokes a reminder of some of the bathing suits worn at the beaches. The moths hide, or try to, under the sacking, and are picked off in the morning. I note that the operators use a small instrument much like sugar tongs.

A well known grower near Boston recently told the writer that Winsor carnation was the best of its kind ever put on the market. He says that notwithstanding the very hot weather he is still cutting Winsor of good quality and color.

The Welde & Brookline gardens on the Lars Anderson estate, are now very beautiful and new features are being constantly added. Under glass may be seen a splendid crop of grapes and other fruit.

A Fourth of July feature on Boston common was the many small plants and flowers given to the children. The presentations were managed by a committee of ladies and the florists helped out.

Whittet & Co., of Lowell, have a new and beautiful variety of candytuft of a handsome mauve color, and it promises to become popular.

Arthur Mellor, formerly a well known designer of Lowell, is now in Arizona.

Worcester, Mass.

The regular summer dullness has set in and "nothing doing" is the general report. We are experiencing one of the worst droughts that we have ever had. Crops are wilting in the fields and pastures are drying up, keeping down the milk supply.

On July 8 Adin A. Hixon and wife entertained about 200 members of the Worcester County Horticultural Society and acquaintances at their home Maple Shades. It was a reunion that formerly took place at Magnolia, the home of O. B. Hadwen. Secretary and Mrs. Hixon received the guests and they were assisted in receiving by Mrs. Allyne W. Hixon and wife. The guests were invited to inspect the house, greenhouses and grounds of Maple Shades, and everybody wandered around to their heart's content. The veranda of the house was decorated with flags and red, white and blue bunting. Refreshments were served.

The guests found many things of interest in their tour of inspection. One of the most interesting places visited was the old Gates homestead where Mrs. Hixon was born and which was built by her great-grandfather, Simon Gates, in 1749. The property now belongs to Harvlin T. Gates, Mrs. Hixon's brother, who lives in Southern Pines, N. C., and has been in the Gates family for five generations. A visit was also made to the Hixon orchard and gardens. Then the party climbed the hill to get a view of the city, crossed over to the Shearer place to get a drink of spring water, and ended their tour of inspection by visiting the Hixon greenhouses.

COUNTY SOCIETY'S SHOW.

There was a good showing of flowers, fruit and vegetables at the show of the Worcester County Horticultural Society July 9, and the show was well attended. The women of the society did very well with their baskets and there were several pretty ones shown. Fuchsias were called for but there was but one exhibitor, E. W. Breed. James E. Draper had an unusual exhibition, a display of evergreens, which occupied a whole table and contained 32 specimens.

AWARDS.

Cut flowers.—E. W. Breed, first; Mrs. E. Warren, second; Mrs. S. E. Fisher, third; Ida J. Henderson, fourth.

Baskets.—Mrs. Percy G. Forbes, first; Charles R. Fish, second; Mrs. A. E. Underwood, third; Ida J. Henderson, fourth.

Fuchsia.—E. W. Breed, first.

Petunia.—Mrs. A. E. Hartshorn, first; Mrs. P. G. Forbes, second; Roger Perry, third; Mrs. Edward Warren, fourth.

Hydrangea.—Mrs. S. E. Fisher, first; Mrs. A. E. Underwood, second.

Evergreens.—James E. Draper, first.

Silver Sword Fern.—Mrs. J. E. Sinclair, first.

Physostegia.—A. L. Bemis, first. R.

Baltimore.

CHRYSANTHEMUM PLANTS SCARCE.

The vintage of weather given us is not a determinate grade—rather mixed. Days hot, reaching 97°, and nights running down into the 50's, but with very inequitable distribution of heavy showers and tremendous electric disturbances. These factors do not make for the well-being of outdoor stock, and the supplies, which are usually so abundant, are thus far paltry and few. Maman Cochet roses, which began to be considered the main reliance for summer work, have not done well now for two years. Last season was too wet and this one seems too dry to meet the requirements of this variety. The roses from under glass are far more abundant than is usual at this time of the year, due to the carrying over, probably, of so many houses. Carnations are very poor, and ditto is the word for sweet peas. The earlier part of last week's trade showed some little spurts of activity, due to funerals, where the demand created a stir in the market; but towards its end everything fell off as to demand, and great quantities of stock could not be moved at all. Of the funerals mentioned, one was that of James E. Hooper, one of the members of the park board, a useful citizen, a high-minded, honorable man in every relation of life, and one much devoted to the improvement and maintenance of the public parks and gardens. When his obsequies took place, the regard in which he was held was evidenced by the great number of floral tributes which were sent by his friends and admirers. Mr. Hooper's father, the late William E. Hooper, was one of the original members of the commission which established the system of parks of this city. The vacancy in the park board has been filled by the appointment of Milton B. Williams. This gentleman is an officer in one of the city banks and has long taken a lively interest in the public playgrounds of the city.

There seems a lack of chrysanthemums in this section, and supplies are pretty well sold out. James Hamilton, of Mt. Washington, has had a great trade this year, and sold plants by the hundred thousand. S. B.

SUMMER BEAUTIES
Fancy Kaiserins,
Choice Valley,
——SOME OF OUR SUMMER SPECIALS.——

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Everything Seasonable.
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AMERICAN BEAUTIES
Lily of the Valley, Carnations and all Tea Roses,
In lots of one hundred to one thousand. Phone or wire us.
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ALL KINDS OF
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and Blossoms in Season.
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CARNATIONS in quantity. Special prices on large orders.
ABSOLUTELY THE BEST POSSIBLE SERVICE.
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Montreal.

OUTDOOR ROSES GOOD.

By far the largest item of trade done these hot days is funeral work; all are about equally busy along the same line. Wedding decorations help to dispose of the colored flowers such as outdoor roses which are very beautiful this year. Outside of this very little is doing. The schools are all closed and most of the regular flower using people in the country are at the seaside. A fairly good trade is done by the street vendors with buttonholes. Asters are coming in, such as Early Wonder and Queen of the market, both pink and white. Sweet peas are also making their appearance; a lot of the novelties like the English 10 seeds for a shilling are grown this year. Some promise to be an improvement over the older varieties but one gets few plants from 10 seeds and the flowers of these are hard to judge against a row of 50 feet of the older varieties.

FLORISTS' CLUB MEETING.

At the meeting of the Gardeners' and Florists' Club last Monday night J. Pewtress brought down a collection of sweet peas, all the newer varieties. The method of growing Mr. Pewtress follows to have them in bloom by the middle of June is: He sows the seeds early in the spring in the greenhouse in pots, keeps them dwarf by frequent pinching, gradually hardens them off and plants them out as soon as weather conditions allow. This way Mr. Pewtress claims to have all varieties in full bloom by the middle of June. J. Luck showed a nice lot of outdoor roses. A bunch of Frau Karl Druschki called forth general admiration also Killarney somewhat full blown but grand. Among the collection shown besides those mentioned were Mrs. John Laing, Ulrich Brunner, Mrs. Sharman Crawford, Charles Lefebvre, Kaiserin, Tom Wood, Jacqueminot, Caroline Testout, Alfred Colomb, Eugene Verdier and others. Baby Rambler, Crimson Rambler and Dorothy Perkins were shown at their best. The exhibitor claims these to be all hardy having stood the test of two winters. Geo. Trussel showed a large collection of hardy perennials. We noticed two double delphiniums from Japan which were considered quite a novelty. The judges were A. C. Wilsaire, John Eddy and W. C. Hall, but their awards were not given out.

The Canadian Horticultural Association contingent is discussing the programme, also the mode of travel and the entertainment thereon, prizes for the all night euchre and so on.

J. Piddack of Mount Royal park closely guards some fringed tuberous rooted begonias with which he expects to spring a big surprise in the near future.

S. S. Bain is attending to his business again after a long illness. He will do no building this year but attend to his retail store. LUCK.

Wholesale Flower Markets

PHILADELPHIA, July 15.

Roses, Beauty, extra	20 00@25 00
" " first	10 00@15 00
" Tea	4 00@ 6 00
" extra	8 00@10 00
" Liberty	6 00@25 00
Carnations	1 50@ 3 00
Lily of the Valley	2 00@ 3 00
Asparagus, bunch	50 00
Smilax	15 00@20 00
Adiantum	1 00@ 1 50
Cattleyas	50 00@60 00
Lilium Harrisii	6 00@ 8 00
Mignonette	2 00@ 3 00
Sweet Peas	50@ 75
Gardenias	15@ 25

PITTSBURG, July 15.

Roses, Beauty, specials	20 00@25 00
" " extras	12 00@15 00
" " No. 1	8 00@10 00
" " ordinary	4 00@ 6 00
" Bride, Bridesmaid	2 00@ 6 00
" Chatenay	2 00@ 6 00
" Richmond	2 00@ 6 00
" Perle	4 00
" Killarney	2 00@ 6 00
Carnations	1 00@ 1 50
Lily of the Valley	3 00@ 4 00
Smilax	8 00@12 00
Asparagus, strings	50 00
" Sprengeri	3 00@ 4 00
Lilies	12 50
Adiantum	1 00
Cattleyas	75 00
Sweet Peas	25 50
Gladiolus	3 00@ 4 00
Daisies	50
Coreopsis	50

BOSTON, July 15.

Roses, Beauty, best	15 00@25 00
" " medium	10 00@12 00
" " culls	2 00@ 4 00
" Bride, Bridesmaid	1 00@ 2 00
" Extra	4 00@ 8 00
" Liberty	8 00@12 00
Carnations	75@ 1 00
" fancy	1 00@ 2 00
Smilax	8 00@12 00
Adiantum	75@ 1 00
Lilies	6 00@ 8 00
Asparagus	35 00@50 00
Harrissi	6 00@ 8 00
Callas	4 00@ 8 00
Narcissus	1 00@ 2 00
Sweet Peas	35@ 50

J. B. Murdoch & Co.
714 Penn Avenue,
PITTSBURG, PA.
All Seasonable Flowers.

Pittsburg Cut Flower Co.
(Limited)
WHOLESALE FLORISTS
222 Oliver Ave. PITTSBURG, PA.

BALTIMORE, MD.—Chas. Siegwart is making an addition of concrete, iron and wood to his greenhouse.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

St. Louis.

TRADE HOLDING UP WELL.

Warm summer weather with cooling breezes have prevailed all week and the market has kept up well. Funeral work has kept the retailers busy. There has been a good steady demand for all kinds of stock and where good quality has shown itself there has been no trouble to get fair prices. Sweet peas have improved a little though they are still very short stemmed. Some good Harrissi lilies are coming in which find a ready sale. Fancy ferns from the east are now coming in of good quality.

THE FLORISTS' CLUB.

The Florists' Club met Thursday afternoon. Will Young was in the chair, 25 members being present. The nomination of officers was the principal business of the club; also the final arrangements of the picnic at Normandy Grove. The trustee committee had met Wednesday at W. C. Smith & Co.'s store perfecting arrangements for the distribution of prizes and other matters.

The following gentlemen were nominated for officers at the club meeting July 9: For president, W. C. Young and W. Retzer, of the St. Louis Seed Co.; for vice-president, H. Emmans, of Belleville, Ill.; Geo. Angermueller, E. Denker, St. Charles; for secretary, Bentzen; for treasurer, F. H. Weber; J. J. Beneke; for trustees, G. Frow, J. F. Ammann, C. Fulgraf, C. Beyer.

NOTES.

Fred W. Breunig is now the proud father of a fine baby boy. Fred has been very busy and his store is ably managed by Miss Eugenia Stamn, assisted by Miss Rosie Steidl. Fred himself, with assistants, take care of the greenhouses adjoining in which he raises ferns and smilax. His three houses now building at his farm at Columbia, Ill., will soon be finished and will be filled with carnations and miscellaneous stock in time for this winter's use. He is at present cutting from the outside some fine gladioli. Up to now he has had no surplus; when he has he consigns to the wholesale market.

The Big Four has given a rate of $21.40 to Niagara Falls and $4 for berths for any one attending S. A. F. convention. For further particulars apply to John Steidle, state vice-president for S. A. F. at Central, Mo. The train will be the Knickerbocker express leaving this city 1 p. m. and arriving next morning early.

F. C. Weber and wife and daughter, together with the Misses Meinhardt, are having a splendid time in California and they are expected home the latter part of July. F. C. Weber, Jr., is in charge during his father's absence.

Adolph Brix while making a wreath, suddenly became overheated. He is a hard worker and had done more than he should that day. He took a rest and was about again the next day as fresh and spry as ever.

Mrs. Schlueter, a prominent florist in North St. Louis, is doing a very nice trade. She has a greenhouse adjoining the store filled with ferns and other plants.

The council met and passed a bill ordering the park commissioners to issue permits to responsible parties who desire to give picnics at the parks.

J. M. Kalisch has returned from his wedding tour. He has been in Colorado and has gained in weight considerably. He had a splendid time.

John Burke and Geo. Angermueller are going on a fishing excursion. John is very lucky and known as a first class angler.

Geo. and Aug. Hartman, and Mrs. Theo. Richter, Kirkwood, are cutting some choice gladioli.

London, Eng.
COMMISSIONS CARRIED OUT IN LONDON
or any part of Great Britain.
Messrs. WILLS & SEGAR will attend to any commissions from American florists for the supply of Cut Flowers, Birthday flowers, Bouquets, High Class Floral Designs, etc. to their clients who may be traveling in England.
WILLS & SEGAR, Court Florists to His Majesty, The King.
ROYAL EXOTIC NURSERY.
TELEGRAMS, FLOSCULO, LONDON. Onslow Crescent, South Kensington. LONDON, ENGLAND.

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Telegraph Orders a Specialty. 218 W. 4th St.

Boston, Mass.
HOUGHTON & CLARK,
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Seattle, Wash.
Woodland Seed & Floral Co.,
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Will fill all orders for Cut Flowers, etc. for steamers for Japan and Alaska or any part of the Pacific coast. A. L. AABLING, Gen. Mgr.

Buffalo, N. Y.
Palmer's
W. J. Palmer & Son, 304 Main St.

St. Louis, Mo.
Fred C. Weber,
FLORIST,
Established 1873. Bell, Lindell 676. 4320-4328 Olive St.

Jim Arado, manager at Young's cut flower department, is away on a two weeks' vacation.

Smith & Young, Cumberland, Ind., are shipping some fine roses to this market.

All the wholesale houses closed promptly at 5 o'clock Saturday and Sunday at noon.

Joseph Witck formerly with Adolph Brix, is now with the M. M. Ayres Floral Co.

Robt. Greeb, Kirkwood, is building two houses for carnations and violets.

A. Ahner and G. Ahner, Kirkwood, are building this summer.

A. W. Murray and wife will shortly take a vacation.

Alex. Siegel will go fishing soon.

Visitors: A. Brown, Springfield, Ill.; L. Baumann, Chicago.

W. F.

Brooklyn, N. Y.
Robert G. Wilson
Fulton St. and Greene Ave.
Greenhouses: Short Hills, N. J.
— Deliveries in —
Greater New York, Long Island and New Jersey.
Trade orders from all parts of the country filled for delivery at residence, steamer, hotel, or theater on wholesale basis. Satisfaction guaranteed. Wire or telephone.

Evansville, Ind.
THE
Wm. Blackman Floral Co.
402 MAIN STREET.
Prompt attention given to all mail, telephone and telegraph orders.

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Mrs. M. A. Hansen
—FLORIST—
Special attention to Telegraph or Telephone orders. 'Phone 1912.

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HOLM & OLSON,
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THE LEADING FLORISTS OF THE NORTHWEST
Orders will be well cared for anywhere in MINNESOTA AND THE DAKOTAS.

Rochester, N. Y.
J. B. KELLER SONS,
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14th and H Streets.

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CUT FLOWERS
For Tourists and General Trade.
Wire or mail. Highest Grade Stock Only.
URIAH J. VIRGIN, 838 CANAL ST.

Denver, Colo.
FLORAL DESIGNS AND FLOWERS
Best Quality on Shortest Notice
DANIELS & FISHER
Order by mail, telephone, telegraph or cable. Cable address: "Daniels, Denver."

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

Chicago.
Established in 1857.
Wittbold FLORIST
1657-1659 Buckingham Place,
L. D. Phone 558 Lake View.
Send us your retail orders.
WE HAVE THE BEST FACILITIES IN THE CITY

San Francisco, Calif.
J. B. BOLAND
Successor to Sievers & Boland,
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60 KEARNEY STREET.

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THE HONOLULU FLORIST,
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1071 Bishop Street,
Cable address, "Florist." Telephone 339.

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The Cleveland Cut Flower Co.
Will fill your orders for designs and cut flowers in
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MYER, FLORIST,
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WRITE, WIRE OR PHONE YOUR ORDERS TO
YOUNGS,
1406 Olive Street.
Regular discount allowed on all orders, either Plants or Cut Flowers.
Phones Bell, Main 2306. Kinloch, Central 4981.

Dayton, O.
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—FLORIST—
16 W. 3rd Street.
Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones

Detroit, Mich.
John Breitmeyer's Sons
Cor. Miami and Gratiot Aves.
Artistic Designs.
High Grade Cut Blooms.
We cover all Michigan points and good sections of Ohio. Indiana and Canada.

Kansas City, Mo.
WILLIAM L. ROCK Flower Co.,
Will carefully execute orders for Kansas City and any town in
Missouri, Kansas or Oklahoma.

Atlanta, Ga.
ATLANTA FLORAL CO.
41 PEACHTREE STREET.

A Good Window Sign.

WEEK ENDING JULY 25.

July 21, Kronprinzessin Cecilie, Bremen-N. Y.
July 21, Kaiser Wilhelm II, New York-Bremen.
July 22, Teutonic, Southampton-New York.
July 22, Potsdam, New York-Rotterdam.
July 23, Altonia, New York-Trieste.
July 23, La Provence, New York-Havre.
July 23, Southwark, Liverpool-Montreal.
July 23, Arabic, New York-Liverpool.
July 23, Baltic, Liverpool-New York.
July 23, Tunisian, Liverpool-Montreal.
July 23, Deutschland, New York-Hamburg.
July 23, Koenigin Luise, Genoa-New York.
July 23, Prinzess Alice, New York-Bremen.
July 23, Frankfurt, Bremen-Baltimore.
July 24, Corsican, Montreal-Liverpool.
July 25, St. Paul, Southampton-New York.
July 25, La Savoie, Havre-New York.
July 25, Kensington, Montreal-Liverpool.
July 25, Majestic, New York-Southampton.
July 25, Caledonia, New York-Glasgow.
July 25, Pretoria, Hamburg-New York.
July 25, Rotterdam, Rotterdam-New York.
July 25, Friedrich der Grosse, Bremen-N. Y.
July 25, Gothland, New York-Antwerp.
July 25, Vaderland, Antwerp-New York.

Omaha, Neb.
Hess & Swoboda,
FLORISTS,
1415 Farnum St. TELEPHONES 1501 and L 1582

Milwaukee, Wis.
C. C. Pollworth Co.
Will take proper care of your orders in WISCONSIN.

Indianapolis, Ind.
Bertermann Bros. Co.
FLORISTS
.....241 Massachusetts Ave

Albany, N. Y.
EYRES
Flowers or Design Work.
DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.
11 NORTH PEARL STREET,

Denver, Colo.
The Park ...Floral Co.
J. A. VALENTINE, President.

Philadelphia, Pa.
Robert Kift,
1725 Chestnut Street.
Prompt and Careful Attention given to all Mail and Telegraph orders.

Kansas City, Mo.
GEO. M. KELLOGG,
906 Grand Avenue.
KANSAS CITY and PLEASANT HILL, MO.
Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

Chicago.
HAUSWIRTH FLORIST
M. C. and J. E. Hauswirth.
Auditorium Annex.
Mail, telegraph or telephone orders filled promptly in best style.

Louisville, Ky.
JACOB SCHULZ,
644 FOURTH AVENUE.
Cut Flowers of BEST QUALITY in season, delivered promptly to any address.
Write, Telegraph or Telephone
Cumberland and Home Phones 223 and 984

The Seed Trade.

American Seed Trade Association.

Watson S. Woodruff, Orange, Conn., Pres.; J. C. Robinson, Waterloo, Neb., First Vice-Pres,; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-seventh annual convention, June, 1909.

HARRISII LILY BULBS, owing to the dry season, will be a short crop in the large sizes.

NASHVILLE, TENN.—The Cumberland Seed Co. was incorporated recently with capital stock $30,000.

A BULLETIN on "Clover Seed in the Connecticut Market" has just been issued by the Connecticut Experiment Station.

RETAIL seedsmen report a very poor demand for garden beans this year. A short bean crop would help unload large surpluses.

LAWRENCE, KANS.—Rudolph Kruhm, for the last two years with the Barteldes Seed Co., of this city, is now with the J. Horace McFarland Co., Harrisburg, Pa., in the catalogue department.

MILWAUKEE, WIS.— Henry F. Cochems, Congressman Stafford's opponent for the republican nomination for congress in the fifth district, assails seed and book distribution by the government on the request of congressmen. He says the system has been so abused that the annual cost per congressional district is nearly $10,000.

NEW YORK, July 13.—According to the weather bureau, there has never been such a drought in the country adjacent to this city so early in the season since the work of keeping records was begun. From New Jersey, Long Island and Staten Island reports are coming in of vegetable and flower crops literally burning up in the fields. "The asters must have rain soon," said a well-known grower this morning; "they are so dry that they cannot last much longer."

CHICAGO. — Kentucky bluegrass is quoted this week at $1.20 per 19 to 20-pound bushel in 36,000-pound car lots. On the board of trade July 14 contract prices for grass seed were noted as follows: Prime timothy, $4.20; choice white clover, $15.—Continued drought is now the chief cause of anxiety to local onion set growers.—L. H. Vaughan returned Monday from an inspection visit to his Michigan bean farm. He reports the present prospects entirely satisfactory.—Visitors: W. H. Small, Evansville, Ind.; R. A. Anderson and J. C. Spedding, New Zealand.

RICHMOND, VA.—T. W. Wood & Sons, have engaged the services of Frank Brunton, an expert seed grower, horticulturist, landscape gardener and florist, to take charge of their new model seed farm being established at Milford, on the Richmond, Fredericksburg and Potomac railway in Caroline county. Mr. Brunton served five years' apprenticeship on one of the leading seed and nursery farms in England. He is a graduate of the Royal Horticultural Society gardens in London in argricultural chemistry and plant breeding. He was superintendent of the Shady Hills nursery in Newport, R. I., and has laid out as well as planned some of the finest estates in the north. For the last two or three years he has been in Texas. Unfavorable seasons and a cyclone which carried away his home and came near killing his wife and children caused Mr. Brunton to leave that state, and he has always desired to locate in Virginia.

Braslan Seed Growers' Co.

Growers for the Wholesale Trade Only.

SAN JOSE, CAL.

Wholesale Seedsmen's League,

The ninth annual meeting of the Wholesale Seedsmen's League was held June 22. Those members of the board whose 3-year terms expired by limitation, viz., F. W. Bruggerhof, J. B. Rice and Albert McCullough, were re-elected. The treasurer announced a substantial balance in the bank.

President Bruggerhoff announced that a meeting of the board of directors would be called in the early autumn to elect officers and to consider a very important proposition, upon which the meeting adjourned. The past officers of the board were directed to hold over until their successors are elected.

W. E. Dallwig, Milwaukee, Wis.

Dallwig Twenty-five Years in Business.

Wm. E. Dallwig, as already stated in these columns, celebrated his twenty-fifth business anniversary this year, having started his seed business in 1883. Mr. Dallwig was born at Branch, Manitowoc county, Wis., February 15, 1854. He located at Milwaukee in 1875 and entered the shoe business. In March, 1883, he engaged in the seed business at 34 Juneau avenue in a small way, still retaining his interest in the shoe store. In January, 1886, he disposed of the latter and expanded the seed business, adding bulbs and florists' supplies. The stock has been gradually increased until now it embraces a complete line of vegetable and flower seeds, bulbs, nursery stock, insecticides, tools, poultry supplies, etc.

In 1899 a new building was erected, affording five times the floor space of the old one. The first catalogue, a 4-page folder, was issued in 1886. Five catalogues are now issued, as follows: Retail general catalogue in English, 96 pages; retail general catalogue in German, 84 pages; florists' wholesale catalogue, 48 pages; market gardeners' catalogue, 40 pages; bulb catalogue (fall), 32 pages.

Canadian Seed Crops.

June 24.—"It is rather early to forecast the final outcome of crops," writes the Steele-Briggs Seed Co., "but from general reports conditions throughout all parts of the dominion of Canada from the Atlantic to the Pacific for cereal, clover and grass crops could scarcely be more favorable. As usual, climatic causes may materially reduce the present brilliant prospects in many sections, but unless something very unusual takes place the present outlook warrants us in expecting full average crops of all kinds."

Canary Islands Crops.

From the latter part of November to the middle of April the weather was unprecedented for this latitude. Heavy and continuous rains prevailed to such an extent that all crops have been affected. The tomato crop, which is one of the most important, was a total failure. Persistent damp brought on disease and miles of these plantations were soon destroyed. The crop of wheat, now in full harvest, has been attacked by black rot. The onion seed crop has suffered considerably and a prominent grower estimates (June 9) that the yield will not be more than one-half of that expected.

The Louisville Onion Set Crop.

Louisville, Ky., July 10.—The harvesting of onion sets in this district commenced this week. Recent rains have helped the late planting. H. R. Whiteside, the big set operator and shipper, who last year carried through such a successful deal, will no doubt be equally as active this season, according to a produce publication. The concern has increased its storage facilities at Fourteenth and Maple streets, where the main office is located, and will operate the storage house near Buechel, also the big warehouse at New Albany, Ind. Mr. Whiteside says that from reports furnished by his buyers he estimates the increase in the onion set acreage to be 20 per cent over last season, but owing to dry weather, which has cut the crop somewhat, the total yield will hardly be over 10 per cent greater than in 1907. He approximately fixes 200,000 bushels as a full estimate for the entire Louisville onion set crop, of which 75 per cent is yellow stock, 22 per cent white and 3 per cent red. It is noted that there is some decrease in whites. The sets will run about the same in size as last season.

A grower on the Jeffersontown road who harvested his crop early this week, gathered 450 bushels of sets from 40 pounds of seed planted.

Pea and Bean Crops.

July 11.—N. B. Keeney & Son say that nearly all peas in the northern part of the southern peninsula of Michigan were planted about two or more weeks later than usual, the bulk of the crop being sown three or four weeks later than usual. During May this year the Michigan rainfall was the heaviest on record by the weather bureau for the month of May. Pea crops on low land were injured, but most pea crops made a fine start. However, by June 10 dry weather and hot winds set in and continued for three weeks, with very little, if any, relief. Such of the early varieties as were sown

early, suffered severely and these crops are not likely to recover from the ill effects of the drought, no matter what the weather is later. The drought was broken by a heavy rain July 3, and this has been followed by frequent showers. The later varieties and the later sown crops of the early varieties are being benefited by these rains, but it is too early to tell what these later crops will do, because so much depends upon the weather of the next two to four weeks.

The weather for planting beans was not altogether favorable when the crop was put in, and a good many fields have rather a lighter stand than could be wished for. The weather during the greater part of the past two weeks, with the thermometer today at 90° in the shade, has been too hot for beans and the crop is not very promising just now, but it is too early to make any estimate as to the final outcome.

Dutch Bulb Trade.

Consul-General S. Listoe, of Rotterdam, makes the following interesting statements in regard to the rapidly growing Dutch bulb trade:

An industry characteristic of the Netherlands is the raising of tulip and hyacinth bulbs. Attempts have been made in several parts of the world to grow these, but nowhere can the experiment be said to have been successful, as the proper kind of soil for the propagation of perfect bulbs seems only to exist in the small space of territory between the cities of Leyden and Haarlem. This stretch of country is in reality the bottom of the old Haarlem sea (Haarlemmer meer), which was laid dry about the year 1852, and this sea-bottom dirt, a combination of sand and decomposed vegetables and plants, appears to be the only soil capable of producing the flower bulbs mentioned.

These bulbs are therefore exported to all parts of the world, the United States taking its full share; the demand is constantly increasing, and, in consequence of this fact, an increased area is from year to year set apart and devoted solely to the cultivation of bulbs. The statistics for 1906, the latest available, give this area as 4,058 hectares, equal to 10.027 acres. The exports of bulbs and bulbous roots from the Netherlands in 1907 amounted to 33,610,280 pounds, of which 6,214,120 pounds, valued at $531,098, went to the United States. In 1906 the total exports were 26,180,000 pounds, the shipments to the United States being 5,098,940 pounds of a declared value of $536,242; the relative figures in 1905 were 25,640,340 pounds total, and 4,413,640 pounds, worth $417,611, to the United States.

The best customer for the tulip and hyacinth bulbs of the Netherlands is the United Kingdom, which purchased 13,950,200 pounds in 1907. Germany and Austria together bought 8,728,720 pounds, Norway, Sweden and Denmark 2,307,360 pounds, and Russia 793,100 pounds. As an indication of the growth of this branch of Dutch agriculture, and as a demonstration of the regular increase in the demand for Dutch bulbs, it may be stated that the exports in 1897 were only 12,543,955 pounds. The advance since that time has averaged over 2,000,000 pounds a year.

Premium American PANSY SEED

1908 Grown and Now Ready.

Extra Choice Mixed, 1 pkt., 10c; trade pkt., 20c; 1/8 oz., 50c; 1/4 oz., 75c; 1 oz., $2.75.
Selected Mixed, pkt., 15c; trade pkt., 30c; 1/8 oz., 70c; 1/4 oz., $1.20; 1 oz., $4.00.
Hesperian Mixture, pkt., 25c; trade pkt., 50c; 1/8 oz., $1.25; 1/4 oz., $2.25.

"How to Grow Pansies" free to any address.

WILLIAM TOOLE, Pansy Specialist,
Pansy Heights, BARABOO, WISCONSIN.

Stokes' Standard Pansy Seed.

Stokes' Standard Mixed Pansy

Is the finest strain of Giant Pansies it is possible to produce. It is a blend of all that is finest in Pansies from France, England and Germany. It is absolutely unrivaled in range of magnificent colors, size and substance.
Trade pkt. (2000 seeds) 50c. 1/8-oz. 85c; 1/2-oz. $3 25; 1-oz. $6 00; 1/4-lb. $20 00.

Kingly Collection of Giant Pansies Mixed

A most excellent strain, the same as has been sold for years by the late firm of Johnson & Stokes and has given great satisfaction.
Price. 1/2 trade pkt. 30c; trade pkt. (2000 seeds) 50c; 5000 seeds $1.00; per oz. $5.00; per 1/4-lb. $14.00.

SEND FOR SPECIAL PANSY CIRCULAR.

FRENCH and DUTCH BULBS in Season. **GET PRICES.**

STOKES' SEED STORE,
219 Market Street, PHILADELPHIA, PA.

GIANT PANSY SEED
THE KENILWORTH STRAIN

is unsurpassed; the immense flowers of 3½ to 4-in. are of the most beautiful, varied, velvety colors and good substance; it is the result of years of selection. It also embraces the largest and best of the English, French, German and American strains. The stock plants are selected from many thousands of blooming plants grown for market.
New seed ready.
1000 seeds, 25c., 2000, 40c., 1/8-oz. 75c., 1/4-oz. $1.40. 1-ounce $5.00.

Chas. Frost
Kenilworth, N. J.

H. WREDE,
LUNEBURG, GERMANY.
PANSY SEED
175 First Prizes, the highest awards Chicago, Paris, London, Dusseldorf.
1000 Seeds, finest mixed....25c
1 oz. " " " ..$2.25
Price list on application. Cash with order.

PANSY SEED
THE JENNINGS STRAIN

New crop now ready. Large flowering, in great variety of fancy colors, finest mixed, one packet of 4000 seeds, $1.00; 1/2 oz., $2 00; 1 oz., $4.00. Cash with order.

E. B. JENNINGS, SOUTHPORT, CONN. Lock Box 254
Grower of the Finest Pansies

PANSY SEED

In separate colors and the finest mixture, embracing every conceivable shade and marking and largest flowers.
Mail card for descriptive price list.

FRANCIS BRILL,
HEMPSTEAD, NEW YORK.

CAULIFLOWER CABBAGE SEED

HJALMAR HARTMANN & CO.
31 Barclay St. NEW YORK. **12 Stormgade, COPENHAGEN, DENMARK**

S. M. ISBELL & CO.
JACKSON, MICH.
Contract Seed Growers,
Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.
Correspondence Solicited.
Write for Prices on Surplus Stocks for Immediate Shipment.

To the Seed Trade

A rare opportunity to get our now famous
California Pearl Cauliflower
This is the first season we have had a surplus to offer. The same can now be said of our locally popular
Oregon Evergreen Sweet Corn
Write at once for our special circulars.

Johnson & Musser Seed Co.
113 N. Main St., LOS ANGELES, CAL.

Seed Beans
F. L. HOGUE,
CARPINTERIA, CAL.,
Grower for the Wholesale Trade only.

Waldo Rohnert
GILROY, CAL.
Wholesale Seed Grower
Specialties: Lettuce, Onion, Sweet Peas, Aster Cosmos, Mignonette, Verbena, in variety.
Correspondence solicited.

Rogers Brothers,
SPECIALTY GROWERS.
Purest Strains GARDEN PEA and BEAN SEED.
For the Wholesale Trade. **ALPENA, MICH.**

The Chas. H. Lilly Co.
SEATTLE, WASH.
Growers of
Puget Sound Cabbage Seed.

MICE PROOF SEED CASES
SEND FOR BOOKLET.
HELLER & CO., Montpelier, O.

MARKET GARDENS.

PENNSYLVANIA, it is said, produces over $15,000,000 worth of vegetables annually.

GROWERS are said to be holding back potatoes owing to the light crop and prices at Chicago having advanced.

Marketing Cucumbers and Tomatoes.

When a man has produced a good crop he is half way to success. The selling end is easily another half and sometimes more. In other words, as great pains should be taken in selling as in growing, so as to get the most for the crop. It will not do to dump greenhouse tomatoes and cucumbers into a bushel basket and try to dispose of them that way. Much better, get some nice, small packages, say peach baskets and crates, and offer the product in these, carefully graded. A five-pound tomato basket and one-dozen cucumber basket are good sizes. Grading is most important; have each basket hold fruit as near alike in color and size as possible.

To pick tomatoes unripe and lay in the sun is a great mistake. Fruit exposed to the strong sun sours and is unpalatable. Tomatoes should be allowed to ripen on the plant until fairly colored, but no further, and then picked in the morning before they are heated and removed to a cool room for packing. A cucumber should be cut, not torn, from the vines, leaving a half inch of stem to each fruit. They should be cut daily, so as to get as near one size as possible. In warm weather they will grow wonderfully fast and daily attention is needed. Both tomatoes and cucumbers will be benefited by a little shade on the glass during July; and often in July they pay handsomely. We have in an emergency sprayed the glass with Bordeaux mixture, which makes a nice shade. MARKETMAN.

Trouble With Cucumbers.

ED. AMERICAN FLORIST:—

What is the matter with my cucumbers? I never saw more thrifty vines and there are plenty of blossoms but no fruit. They are under glass; part of them are trained up to the roof, part laying on the ground but there probably has been only about a dozen fruits on vines in the last month. These have been large and matured in a very short time. Is there anything that I can do to keep them from falling off? I have had trouble in getting young plants started. When once started they grow to perfection very quickly; even lettuce plants this last winter would stand fully 30 days without showing any signs of starting to grow; quite a number would have to be transplanted and then the bed would be very uneven and unsatisfactory. I find that in all young plants and particularly cuttings that come out of the sand I lose nearly three-fourths of them but after they are once started they do very well. Everything does exceedingly well after it is once started. E. G. P.

Ohio.

In answer to "E. G. P." in regard to the non-fruiting of his cucumbers the trouble appears to be improper fertilization. Plants like cucumbers, muskmelons and tomatoes, grown under glass all require to be artificially pollinated either through the agency of bees or by hand. The natural means of carrying pollen from one part of the flower to another, or in the case of cucumbers from one flower to another are lacking under artificial conditions of the greenhouse, and particularly during the winter and early spring months. As soon as the greenhouses are left wide open then there should be no trouble of this sort. Bees gain an entrance and there should be a good set of fruit. In the case of muskmelons and cucumbers the two types of flowers borne are easily distinguished. The pistillate flowers have the young embryo fruit at the base of the flower, while the staminate flower has no such development. A good way of pollenizing the flowers is to pick off the staminate flower, turn back the petals and dip the pencil of stamens, which will thus be exposed, into the cap of the pistillate flower covering the stigma with pollen. By carefully hand pollinating there should be no difficulty at all in getting a satisfactory set of fruits provided of course the pistillate flowers develop as they ordinarily do.

From what has been said of the dying of the young plants I am inclined to believe this is in the method of handling, or the soil needs to be modified in some particular. I believe that in many cases if careful sterilization were practiced in soils to be used in greenhouses, particularly for potting young plants from the seed bed, that much better results would be obtained than is the case at the present time. C.

Prices of Indoor Vegetables.

The prices of indoor vegetables at leading points July 11, were as follows: Cincinnati, mushrooms, 50 cents to 60 cents per pound. Chicago, mushrooms, 25 cents to 45 cents per pound. New York, cucumbers, $1.25 to $2.50 per basket.

Apples for Export.

"Canned apples are being imported in increased quantities from Canada and are sold at successfully competitive prices with American apples. California apples packed in cases seem to improve each year, and the English demand for them is increasing, owing to the fine condition of the fruit and the excellent manner of packing. Last year the sale of California apples in this country exceeded the sales of any previous year, and the testimony of all the fruit importers in Liverpool is that these apples are almost invariably fairly and properly graded; that the smaller apples are packed separately, and that the cases are so branded that the markings indicate the quality of the fruit. There is no doubt that if greater care were shown in the selection, grading and packing of American fruits there would be a gratifying increase in the English demand."

DOVER, N. H.—Jesse Arlin has returned home from York Beach, where he has been doing a successful business for C. L. Howe, of Garrison Hill.

TO THE TRADE

HENRY METTE QUEDLINBURG, GERMANY.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspurs, Nasturtiums, Pansies, Petunias Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, mixed), the most perfect and most beautiful in the world, $5.00 per oz.; $1.50 per ¼ oz.; 75c per 1-16 oz. Postage paid, Cash with order.

All seeds offered are grown under my personal supervision on my own grounds of more than 3,000 acres, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

List of my novelties in flower seeds for 1908 sent on application.

FLORISTS have a splendid opportunity of raising Mushrooms by utilizing the waste space under the benches, and then utilizing the waste material of expended mushroom beds in growing flowers. Lambert's Pure Culture MUSHROOM SPAWN, the best spawn in the market, is sold by all leading seedsmen. A fresh sample brick, enough for a trial bed, together with illustrated book on "Mushroom Culture" will be mailed postpaid upon receipt of 40c in postage stamps. Address American Spawn Company, St. Paul, Minn

If You Want a Really Successful Crop of Mushrooms use only

JOHNSON'S

MUSHROOM SPAWN

NOTE THE ADDRESS

JOHNSON'S LTD.,

44 Bedford Row, LONDON, ENGLAND.

Tobacco Growing in Ireland.

With reference to the production of tobacco in the United Kingdom, Consul-General Robert J. Wynne, of London, says that, with the exception of Ireland, no tobacco is grown or produced in that country. He transmits a copy of the Irish tobacco act of 1907, which repealed the law prohibiting the growing of tobacco in Ireland, and writes:

In the general report of the Department of Agriculture for Ireland, issued 1907, it is stated that the experiments in the growing and curing of the tobacco crop were continued in 1906. These experiments were conducted under the special sanction of the board of inland revenue, with the object of determining the commercial possibilities of tobacco cultivation in Ireland. In order to facilitate the experiments, which involved a somewhat large expenditure, a rebate of one-third the duty levied on tobacco was allowed to the growers. The experiment at Tagoat, County Wexford, was worked on co-operative lines, 11 farmers cropping about one acre each, the tobacco being cured in one barn.

Curing barns were provided by the department at three centers, viz: Navan, Tullamore, and Tagoat. Experiments were continued at these centers, the area under crop being about 44 acres. In addition to these centers sanction was also granted in five cases where the growers undertook to provide at their own expense suitable accommodation for the curing of the leaf. Thirty-three acres were cropped by these growers. The season on the whole was reported to be favorable to the growth of tobacco, and the crop was successfully harvested at all the centers. The cured leaf will not, however, be marketed for some time, so that the financial results cannot be stated. In order to allow experiments to be carried to a conclusion, the chancellor of the exchequer consented to extend to 10 years the period of five years originally granted, during which the rebate of duty will be allowed on tobacco grown for experimental purposes.

SEATTLE, WASH.—H. C. Pettit, a real estate man, has gone into the flower business in the southeast of the city.

Lilium Harrisii

We offer a selected stock of the original true Harrisii for early forcing. These bulbs have been grown from the original pure Harrisii, and will be found to be splendid stock for early forcing, for which purpose Harrisii is so valuable. We have had the stock inspected, and are assured that it is almost absolutely pure and almost entirely free from disease. This is not stock picked up indiscriminately from different sources, but is grown from one stock, and will be found very superior to the ordinary Harrisii usually offered, both in regard to freedom from disease and purity, and not the late type now so often furnished.

Lilium Harrisii has been deteriorating slowly for years, and in order to get back to the true type of the original Harrisii, we have had our stock grown from the original pure stock, and it will be found very superior to the Lilium Harrisii usually offered. While the stock is A No. 1, our prices are as low as, or lower than, the prices asked for indifferent stock. We have only a limited quantity of this stock to offer, so it will be advisable to place order without delay in order to ensure securing this stock. Bulbs ready for delivery middle to last of July:

6-7 in. bulbs, 350 to the case, $6.00 per 100; $ 50.00 per 1000
7-9 in. bulbs, 200 to the case, 9.00 per 100: 80.00 per 1000
9-11 in. bulbs, 100 to the case, 18.00 per 100; 170.00 per 1000

Full case lots at thousand rates.

Freesia Refracta Alba Bermuda grown, finest selected bulbs ½-in. up, $1.00 per 100; $ 7.50 per 1000
French grown, mammoth size, ¾-in. up, $1.50 per 100; $12.00 per 1000

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

Pittsburg.

TRADE VARIABLE.

There was but one day during the week on which there was any activity in the cut flower business, and the balance of the week saw very little doing. Roses are still plentiful, but of poor quality, with the exception of Kaiserin, which still continues very good. Carnations were somewhat scarce, with but few good ones in the market. Lilies are of the best. A few asters have made their appearance, but not in any quantity. Gladioli are showing up better, with a good demand for the lighter colors. American Beauty roses are not very plentiful; there is a good demand for the shorter grades, with but few to be had.

NOTES.

Pittsburg Florists' Exchange is handling some very fine lilies. E. J. McCallum of this exchange is remembering his friends by sending them post cards showing points of interest on his eastern trip.

Geo. Marshall of the Pittsburg Cut Flower Co. leaves July 18 for a trip to Atlantic City.

Visitor: J. E. Bonsall, Salem, O.

J.

Glen Cove, N. Y.

The Nassau County Horticultural Society held its monthly meeting in Pembroke hall July 8. President Jaenicke occupied the chair. The minutes of the previous meeting were read and approved of. Acceptances were read from several gentlemen invited to act as judges at the fall show. Two new members were proposed and three elected; also three honorary members. Mrs. H. J. Bucknall, Mrs. J. N. Stern and Mrs. Benjamin Stern Roslyn. A. Mackenzie, chairman of the executive committee, presented a schedule for the fall show, which was approved of. Contributions of special prizes were offered by Stumpp & Walter Co., Peter Henderson & Co., W. E. Marshall Co., New York and W. H. Weeks Sea Cliff, also from several members. It was voted and carried that no member could compete for his own prize, and the committee were asked to have a preliminary schedule ready by next meeting. It was also voted to have a dahlia show in October. A proposal that essays be read and discussed was received favorably and J. F. Johnston consented to have one on "Evergreens" for next meeting. President Jaenicke announced that members were invited to exhibit at Queens agricultural exhibition. The awards of the exhibits for points were: H. F. Meyer, corn, 81. Valentine Cleres, 71. Oscar Adder, rhubarb, certificate of culture; yuccas, honorable mention. An exhibition of evergreens by J. F. Johnston received a vote of thanks. Mr. Johnston made some interesting remarks, especially as to the difference between the hickory and walnut in winter. Mr. Adder told how he grew his rhubarb. The meeting then adjourned.

J. K.

Primroses

	Per 100
Chinese, single fringed, Aug. 1	$ 2.00
Obconica Alba Rosea, Aug. 1	2.00
Gigantea and **Kermesina,** Aug. 1	3.00
Forbesi "Baby," ready	2.00

Pansy Seed

	Per 100
Giant-flowering, ready, oz., $4.00	
Asp. Plumosus, 2¼-in. pots	$ 2.00
Asp. Sprengeri, 2¼-in. pots, Aug. 1	1.50
Smilax, 2¼-in. pots	1.25

Cash. **JOS. H. CUNNINGHAM, Delaware, O.**

ASPARAGUS PLUMOSUS NANUS SEED

Fresh, 95% Germination.

Reduced on account extra large crop, ...$1.50 per 1000. Large lots less.

DRAKE POINT GREENHOUSES, Valaha Florida.

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,

Successors to L. K. Peacock, Inc. **ATCO, N. J.**

Lilium Philippensis

$2 75 per 100; $25.00 per 1000

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Proceedings

Of the Congress of Horticulture held at the Jamestown Exposition, September 23, 1907.

Linen Bound. 108 pages. Price 25c.

This publication includes the formal adddresses and discussions of the papers read at the meeting which covered the various phases of Horticulture This meeting was pronounced by Horticultural authorities as one of the greatest Horticultural meetings ever held in a single day. For copies address

H. C. IRISH, Secretary

National Council of Horticulture, Missouri Botanical Garden, **St. Louis, Mo.**

FISCHER'S GRAND FREESIA

PURITY.

The magnificent giant, white Freesia. When once tried, will always be grown. Write for prices. Delivery in July.

RUDOLPH FISCHER,
SANTA ANITA, CALIF.

Western Headquarters For

Finest Cold Storage Valley Pips.

$14.00 per 1000; $1.75 per 100.
Every case guaranteed.

Fancy Cut Valley Always on Hand.

H. N. BRUNS,

1407-1411 W Madison St. **CHICAGO**

OIL CITY, PA.—R. C. Reynders, while returning home from a visit to a sick friend July 5 was struck by a train and so badly mangled that he died before reaching the hospital.—J.

LA CROSSE, WIS.—Theo. F. Kienahs is rebuilding two of his houses, 25x125 feet each. When completed he will have 30,000 feet of glass.

The Nursery Trade

American Association of Nurserymen.
J. W. Hill, Des Moines, Ia., President; C. M. Hobbs, Bridgeport, Ind., Vice-Presdent; George C. Seager, Rochester, N. Y., Sec'y.
Thirty-fourth annual convention to be held at Rochester, N. Y., June, 1909.

THE plume poppy (Bocconia cordata) is at its best now.

NEOGA, ILL.—Houston Clawson, of Clawson Bros., has announced his candidacy for county surveyor.

ASCLEPIAS TUBEROSA, though a native plant, is one of the brightest and best on the herbaceous border now.

THE tamarisk is very beautiful in Jackson park, Chicago, and, now so few good shrubs are in flower, it is doubly welcome.

PROVIDENCE, R. I.—Alexander Johnson, son of Geo. Johnson, of the Elmwood avenue greenhouses, has been appointed city forester.

CORNUS FLORIDA does not thrive well in Illinois, but we know of noteworthy exceptions where the plant is treated to partial shade with a little lime in the soil.

LESS than half the normal crop is the report on the Kansas large fruit made public by Walter Willhouse, secretary of the State Horticultural Society, Topeka.

SPOKANE, WASH.—The Van Holderbeke Nursery Co. has been incorporated, with capital stock $60,000. A. and E. Van Holderbeke and A. Elm are the incorporators.

SYMPHORICARPUS RACEMOSUS, the common snowberry, is a good plant for partially shaded locations and the large pure white fruits make it very attractive in the fall.

MANY of the fine elms in Central park, New York, are said to be in a very bad condition owing to lack of nourishment, the soil being very poor and unable to carry them properly.

CANNAS in good soil and even when well supplied with stable manure do not always thrive. In such cases it would be well to try phosphoric acid, giving the plants plenty of water in dry weather.

CHARLES CITY, IA.—During a heavy thunderstorm here June 27, the large barn at the Sherman Nursery Co. was fired by a bolt of lightning. The loss on the barn is $4,000, but the total loss is $8,000, including horses, etc. The building is to be replaced immediately.

WILLIAMSBURG, IA.—The Williamsburg Nursery Co. has purchased 10 acres of land adjoining Cedar Rapids which it will at once begin to develop. The business will be held here until the new location is fully prepared to handle all trade, which will be about three years from the present time.

MILTON, ORE.—Aaron Miller & Sons, who have been in the nursery business here for some time in partnership, have just incorporated and the name of the new company will be the Milton Nursery Co. All the private lands of the Miller sons and the lands of Aaron Miller in this vicinity have been sold to the company, the sales under private ownership amounting to about $15,000.

Propagating Euonymus Alatus.

In answering this question, presented at the recent Milwaukee meeting of the American Association of Nurserymen, one grower recommended the use of soft-wooded cuttings in summer.

Cornus Brachypoda.

There are several of the Japanese dogwoods that are well adapted for shrubbery planting and probably hardy in most parts of the United States. John Dunbar, of Rochester, N. Y., who sent the photograph from which the accompanying illustration was prepared, says that this and C. macrophylla are hardy with him as far as his experience goes. The habit of the tree and form of foliage are well shown in the picture.

Western Association of Nurserymen.

The semi-annual meeting of the Western Association of Nurserymen was held at the Coates House, Kansas City, Mo., July 8 and 9, the meeting being called to order by President Bernardin at 11 a. m. on the opening day. The attendance, owing to various causes, was comparatively small and in consequence the programme was considerably modified. A committee was appointed with F. H. Stannard, Ottawa, Kans., chairman, to formulate resolutions on nursery tariffs on imported stock. This matter will be brought up again at the winter meeting of the association and later before the American Association of Nurserymen with a view to tariff readjustment. The next meeting will be held in January.

K. C.

Georgia State Horticultural Society.

The thirty-second annual session and exhibition of fruits, plants and vegetables will be held at the high school, Cornelia, August 12-13, beginning each day at 10 a. m. The past work of this society has caused a great development of the fruit growing industry in the state and it is hoped that a large and representative attendance will be secured. Valuable papers will be read by scientists and practical growers of national repute thus affording an excellent opportunity for those who attend to become acquainted with the most modern methods of culture and the results of modern research into all subjects relevant to fruit growing.

As is usual in such cases free discussion will follow the reading of the papers and much useful knowledge is always imparted when growers give their varied experience for the benefit of others. The question box will be another important feature and questions will be received (in writing) by Secretary J. B. Wight at any time during the meeting. The hotel rates are from $1 to $2 per day. The citizens are going to do all they can to give delegates a good time and the chamber of commerce gives a barbecue the last evening of the session. A special train leaves for Talulah Falls every evening at 5:32 returning the next morning, thus affording an excellent oppor-

CORNUS BRACHYPODA.
Growing at Highland Park, Rochester, N. Y.

tunity of visiting some of the grandest mountain scenery in the state.

All fruits and vegetables intended for exhibition should be sent care of I. C. Wade, Cornelia, Ga., the name of sender plainly marked on each package and a list of varieties handed to the secretary. Tourist rates are in force from all over the state or mileage books at two cents per mile may be purchased. Persons who attend the meeting are requested to communicate with the secretary as it is desired to advise the citizens of Cordelia as to the probable number of visitors in advance. The following are the officers of the society: J. B. Wight, Cairo, secretary; L. A. Berckmans, Augusta, treasurer; P. J. Berckmans, Augusta, president.

Andorra Nurseries, Chestnut Hill, Pa.

At the end of the famed Wissahicken drive, Chestnut hill, Pa., the conditions presented by the Andorra Nurseries do no violence to the portion of Fairmount park which is adjoining, says the Philadelphia Bulletin. Indeed, the last half-mile of the most lovely park drive in America is bounded by a part of the Andorra Nurseries, and a sharp turn to the left as one emerges from the shade by the Wissahicken leads into a beautiful tree-bordered nursery road.

At present this road has a special attraction, as it leads to a beautiful Japanese garden, filled with many plants from Japan, including the iris in full bloom. The iris has very large, showy flowers on stems three feet high. The colors are very brilliant and striking, in shades of azure blue, royal purple, pale violet, yellow and white, and many of them closely resemble immense orchids. One could not help feeing repaid for a trip to the nurseries at this time.

Canadian Fig Growing.

Consul A. G. Seyfert, of Collingwood, reports that the culture of figs has proved successful in the Canadian province of Ontario. He says:

"The Niagara peninsula, that part of Ontario west of the Niagara river to the western end of Lake Ontario, is well known as one of the finest fruit-growing sections in the province, if not in Canada, but it may surprise many to learn that fig culture has been successfully conducted near Niagara on the lake for the last 40 years. The climate of this section of the peninsula appears peculiarly suited for the culture of figs. The open waters of Lake Ontario and the Niagara river modify the temperature greatly, and the usually comparatively mild winter, as compared with the same latitude elsewhere, followed by a backward spring—caused by the ice coming down the river from the upper lake—and the dry and warm summer, produce an ideal climate for all kinds of fruit, especially figs.

"The fig is a native of subtropical countries, and is almost unknown in central North America in its fresh state. The theory is that figs will succeed in any country where peaches and apricots do well without protection, if the plants receive proper winter protection. The fig growers of the Niagara district protect their plants in the following manner during the winter:

"As soon as the leaves have fallen and sharp frosts set in, two or three of the branches are bent to the ground in their natural direction and tied loosely with strips of cotton or other soft material and held in place by crotched pegs, care being taken not to injure the bark. When all branches are down the whole is covered with a mound of earth three to four feet in depth. In the writer's experience fine sand is preferable to earth, as it keeps away mice and cut worms, which are injurious to the young wood. In the spring, when danger from severe frost is over, air is let into the mound by holes made with a small pole or the handle of a rake, and during the following 10 days the earth is removed by installments. Care must be taken that the bark is not injured in the process. When the bush is fully exposed it is generally found that bearing wood is covered with small fruit, about the size of a large pea, while the buds show, but are not open. Varieties that have proved most successful at Niagara are White Ischia, Purple Ischia, Brown Turkey and White Genoa."

Helenium Bolanderi.

From the enormous quantity of yellow-flowered composites that have reached us from northwestern America it is possible to select a few that bear the hall-mark of refinement in habit and flower, says the Gardeners' Magazine, and recommend them for more extensive planting than is desirable for the many.

Noteworthy among the heleniums is a very fine species named H. Bolanderi, which is not new or very rare, but which every good judge of attractive border flowers invariably wants once it is seen in good condition. It is, however, wholly neglected by many, who, we feel sure, would appreciate its many desirable features. It makes a sheaf-like bush, a yard high and through, and for many weeks after midsummer it is the richest color note in yellows the border can afford at that season. The flowers range from 1½ to 2½ inches in diameter, and are apparently, but not actually, twice the size of the older Helenium autumnale, of which everyone who had one plant two years ago has now more than enough. The ray florets are pure yellow throughout, and their crimped and undulating margins, often delicately frilled in addition, give an impression of double and treble rows of petals. The cone is a flat-topped sphere of rich mahogany-brown, bespangled with myriads of anthers, the rich velvety sheen recalling some of the darker forms of annual scabious, but is even more beautiful in the perfect foil of the yellow ruff-like petal arrangement. Such a fine plant of easy culture should be grown in quantity for its yield of cut flowers, and particularly in goodly breaks in the flower border, where its color note is distinctly pleasing. It likes a good loam, failing this, hollow-stemmed flowers of short life, cut or uncut, are an inevitable result.

BOX TREES.

PYRAMID BOX TREES.

Height	Base	Each	Pair	Height	Base	Each	Pair
3- ft.	30-in.	$ 3 50	$ 6 00	5- ft.	22-24-in.	4 50	$ 8 00
3½-ft.	22-in.	3 50	6 00	5- ft.	24-in.	5 50	10 00
4- ft.	24-in.	4 00	7 00	5- ft.	26-in.	7 00	13 00
4- ft.	26-in	4 50	8 00	5- ft.	30-in.	7 00	13 00
6½-ft.	22-24-in.	4 50	8 00	6- ft.	34-in.	8 00	15 00
4½-ft.	24-in.	5 50	10 00	5½-ft.	20-24-in.	5 50	10 00
4½ ft.	26-in.	7 00	13 00	6- ft.	34-in.	8 00	15 00

STANDARD BOX TREES.

Stem	Head	Each	Pair	Stem	Head	Each	Pair
18-20-in.	34-36-in.		$15 00	18-24-in.	24-26-in.	$ 4 50	$ 8 00
24-26-in.	34-36-in.	$ 8 00	15 00	18 24-in.	22-24-in.	4 00	7 00
18-24-in.	32-34-in.	7 00	12 50	18-24-in.	24-in.	3 00	5 00
18-24-in.	30-32-in.	5 50	10 00				

Vaughan's Seed Store, 84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

Greenhouses and Nurseries: Western Springs, Ill.

Peony Surplus List
NOW OUT.

Send for one. Low prices. Fine stock.

PETERSON NURSERY,

Lincoln and Peterson Avenues, CHICAGO

ARBOR VITÆ
(Thuya Occidentalis.)

A splendid stock of 3 to 4 ft. and 4 to 5 ft. trees.

Write for descriptions and prices.

THE WM. H. MOON CO.,

Morrisville, Pa.

THE
Storrs & Harrison Co.
PAINESVILLE NURSERIES.

CATALOGUES AND PRICE LISTS FREE ON APPLICATION.....

PAINESVILLE, OHIO.

LARGE TREES.
OAKS and MAPLES.
PINES and HEMLOCKS.

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.

Chestnut Hill, PHILA., PA

AZALEAS (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Jacs Smits, Ltd. NAARDEN, (Holland.)

Price list free on demand.

VIBURNUM PLICATUM
All sizes up to 4 ft., AT A BARGAIN.

—Write for prices.—

THE CONARD & JONES CO.,

WEST GROVE, PA.

BOBBINK & ATKINS,
Rutherford, N. J.,

Bay Trees, Palms, Buxus, Azalea indica, Rhododendrons, Evergreens, Herbaceous Plants, Roses, Trained Fruit Trees, Greenhouse Grape Vines. Ask for catalogue.

PEONIES. (12 ACRES.)
Buy such varieties as will keep if glut is on. For years I have furnished a big portion of the Decoration Day supply. For prices for fall delivery write

GILBERT H. WILD,

SARCOXIE, - MISSOURI.

AMERICAN BEAUTIES

3-inch pots, 8,000 especially fine strong stock at **$50.00** per 1000.

KILLARNEY

3-inch Grafted on manetti, big strong plants **$12.00** per 100.

KAISERIN

2 1-2-inch very large, ready to plant direct in the benches, per 100, **$4.50;** per 1000, **$40.00.**

BASSETT & WASHBURN,

Office: 76 Wabash Ave., CHICACO. **Greenhouses; Hinsdale, Ill.**

ROSES

	Per 100	Per 1000
Grafted Killarney, 3½-in	$12.00	$100.00
Brides and **Maids,** 3-in., own roots, propagated from grafted stock, strong plants	4.00	35.00
Wellesley and **Mme. de Watteville,** 4-in	5.00	

CHRYSANTHEMUMS.

Touset, Maud Dean, Balfour, Pink Ivory, Oct. Frost, Enguehard, 2½-in. pots..$3.00 per 100 Strong plants, not pot bound,

S J. REUTER & SON, Inc., WESTERLY, R. I.

1-yr.-old Bench Plants

Beauties, $5.00 per 100; $40.00 per 1000.

From 3-in. Pots.

Beauties, $5.00 per 100; $40.00 per 1000.
Smilax, $3.00 per 100; $25.00 per 1000.

No order for less than 100 accepted.

GEORGE REINBERG,

35 Randolph St. CHICAGO.

ROSE PLANTS

On own roots. Send for list.

C. M. NIUFFER, Springfield, Ohio

ROSES. STRONG, CLEAN STOCK.

Grafted Killarney, Richmond, Brides, and Maids $12.00 per 100; $110.00 per 1000. Own-root Brides, Maids, Gates, Ivory, Perle, Killarney and Richmond $6.00 per 100; $55.00 per 1000.
All from 3½-in pots.

P. R. QUINLAN, SYRACUSE, N. Y.

ROSES. ROSES.

Mrs. Potter Palmer 2½- in. strong, $15.00 per 100; $125.00 per 1000; 2000 or more $115.00 per 1000. 3½-in, $18.00 per 100; $150.00 per 1000.

Cardinal 2½-inch $6.00 per 100; $55.00 per 1000. 3½-inch $8.00 per 100; $75.00 per 1000.

AMERICAN BEAUTIES.

2-in.....$5.00 per 100; $45.00 per 1000
2½-in..... 5.50 per 100; 50.00 per 1000
3-in.....$7.00 per 100; $65.00 per 1000
3½-in..... 8.00 per 100; 75.00 per 1000
4-in.....$12.00 per 100; $110.00 per 1000

Maids, Uncle John, 2½-in. strong stuff, $4.50 per 100; $40.00 per 1000.
3½-in. Maids, $6.50 per 100; $60.00 per 1000.
Benched Beauties, cut back, $6.50 per 100; $55.00 per 1000.

ASPARAGUS. Comorensis, 3-in., $6.00 per 100; $50.00 per 1000. **Plumosus,** 4-in., $10.00 per 100; 6-in., 20.00 per 100. **Sprengeri,** 2-in., $25.00 per 1000, ready now.

SMILAX, 2-in.....$25.00 per 1000, ready now.

SNAPDRAGON, pink, clear colors, 2½-in., $3.00 per 100.

POEHLMANN BROS. CO., Morton Grove, Ill.

60,000 Grafted Roses

	Per 100
Chatenay, Killarney, Richmond, Liberty, La France, 3½-in. pots	$18.00
Bride, Bridesmaid, Golden Gate, Kaiserin, 3½-in. pots	15.00

OWN ROOT ROSES.

Bride, Bridesmaid, Killarney, Richmond, Chatenay, 3-inch pots, $7.00 and $9.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

ANDREW CARNEGIE

(SCARLET HARLOWARDEN)

Field-grown plants for Fall delivery, $12.00 per 100; $100.00 per 1000.

Send for list of other varieties we will have ready for August 15th delivery.

Chicago Carnation Co., A. T. PYFER, Mgr., Joliet, Ill.

BOSTON, MASS.—Wm. R. Finlay and Miss Alice M. Moring were married at the groom's home at Dorchester, July 1.

FREEPORT, ME.—John W. Minot died at his home at Pleasantdale June 23 from heart trouble, from which he had suffered for a year. He was 74 years of age.

FINDLAY, O.—E. R. Barnd, who returned from Texas recently, has been employed by Waaland & Co., and will be stationed at the greenhouse on East Front street. He was in the business here for many years.

SCHENECTADY, N. Y.—Julius W. Eger has opened a new retail store at 511 Union street. The store is nicely located and admirably adapted for the work.

WANTED.

600 Victory field plants, good stock, about August 1.

FURROW & COMPANY, Guthrie, Okla.

A. N. PIERSON, Inc., Cromwell, Conn.

SPECIAL SALE OF SURPLUS STOCK. Extra large, first-class grafted Roses, 3-in. pots of the following varieties:

GRAFTED ROSES.

STANDARD VARIETIES.

Killarney, Maids, Brides, Wellesley, Wootton, La Detroit, McArthur, Richmond, Enchanter, Bon Silene, Papa Gontier, Etoile de France, Kate Moulton, Franz Deegan, Tom Field, Hermosa, Marechal Neil, Maman Cochet. The above grafted 3-in. pots, $12.00 per 100; $100.00 per 1000.

NOVELTIES.

Mrs. Jardine, Rhea Reid, Queen Beatrice, My Maryland, $3.00 per doz., $20.00 per 100.

OWN ROOT ROSES.

Brides, Maids, Chatenay, Golden Gate, Ivory, 3-in. pots, $6.00 per 100; $50.00 per 1000.

MISCELLANEOUS PLANTS.

Asparagus Plumosus Nanus Seedlings.
From flats, $10.00 per 1000

Begonia Gloire de Lorraine
Strong, young plants, 2¼-in. pots, $15.00 per 100.

Bouvardia
Large white, 2¼-in. pots, $4.00 per 100; $35.00 per 1000.

ROSES Strong, Healthy Stock.

	Per 100
400 Bon Silene, 3-in	$ 4.00
600 Bon Silene, 2½-in	2.00
700 Mme. Chatenay, 2½-in	2.00
200 Richmond, 2½-in	2.00
1000 American Beauty, 3-in	5.00
1000 American Beauty, 2-in	3.00

Field Grown Carnations
Strong plants now ready. Orders booked for later delivery.

Enchantress, Rose Pink Enchantress, Robt. Craig, White and Pink Lawson, $6.00 per 100. $50.00 per 1000.

White Perfection, Lady Bountiful and Victory, $7.00 per 100.

	Per 100
Smilax, 2½-in	$ 2.00
White Dahlia (Pot or bench culture), 4-in	8.00

HARRY HEINL, West Toledo, O.

KAISERIN 2 1-2 inch. $3.00 per 100.

Fine one-year-olds on own roots.
100 other sorts choice young plants.

Strong 2-year ROSES in 4-inch at 5c

Vinca Var. 2-in. 1.50; 2½-in. $2.00 per 100.

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO

Grafted Roses.

BRIDES, MAIDS, KILLARNEY
4-inch $20.00 per 100.
Own Root Brides, Maids, Richmonds,
4-inch $7.00 per 100.
CHAS. H. TOTTY, Madison, N. J.

ROSES

A SPECIALTY.
The Dingee & Conard Co.,
WEST GROVE, PA.

SOMERVILLE, MASS.—Mrs. Marston B. Bunker has taken the full and active control of her late husband's business and is the only lady florist in the town.

BOSTON, MASS.—The store of F. Howard, 21 Boylston street, was completely gutted by fire July 7. The cause of the fire is unknown and the damage to the building is put at $1,000.

BROOKLYN, N. Y.—Isabella Donaldson Poynter, wife of Thomas Poynter, who was in business here for nearly half a century, died July 6 at her home, 40 South Elliott place, of complications, after an illness of two months.

Rose Plants

From 2½-inch Pots.

	Per 100	1000		Per 100	1000
Bride	$2.50	$22.50	Ivory	$2.50	$22.50
Bridesmaid	2.50	22.50	Sunrise	4.00	35.00
Uncle John	2.50	22.50	Kate Moulton	4.00	35.00

Bench Plants	Per 100	1000
Richmond	$4.00	$35.00
American Beauty	6.00	50.00

CHRYSANTHEMUMS
From 2½-in. pots. $2.50 per 100.
White—Estelle. **Pink**—Dr. Enguehard. **Yellow**—Bonnaffon, Col. Appleton, **Bronze**—Black Hawk.

PETER REINBERG
51 Wabash Ave., CHICAGO.

Grafted Roses for Forcing

BRIDE, KAISERIN, RICHMOND, BRIDESMAID, KILLARNEY, WELLESLEY { $10.00 per 100 / $100.00 per 1000

JACKSON & PERKINS CO.
Wholesale Florists and Nurserymen. Newark, Wayne Co., N. Y.

FIELD CARNATIONS.

High Land Grown.	Per 100	**Splendid Plants.**	Per 100
Rose Pink Enchantress	$6.00	White Lawson	$6.00
Enchantress	6.00	Pink Lawson	6.00
Lady Bountiful	6.00	Red Lawson	6.00
Harlowarden	5.00	Robert Craig	6.00

Stock Now Ready for Shipment.

UNITED STATES CUT FLOWER CO., Elmira, N. Y.

Now is the time to place your orders for

Begonia Gloire de Lorraine, Cyclamen and Poinsettias.

I am well equipped to supply the above in any quantity at the following prices:

Begonia Gloire de Lorraine, 2½ in. pots (leaf cuttings), **$15** per 100; **$140** per 1000; 4-in., **$35** per 100.

Cyclamen, per 100, 3-in., **$7**; 4-in., **$15**; 5-in., **$20.**

Poinsettias, 2½ in., **$5** per 100; **$45** per 1000.

Satisfaction guaranteed.

S. S. SKIDELSKY

1741 N. 18th St., Philadelphia, Pa.

100,000 Smilax

Extra fine well hardened stock a bargain at $1.50 per 100; $15.00 per 1000.

25,000 Sprengeri from rose pots at $1.50 per 100; $15.00 per 1000.

Deflexus, small $3.50 per 100; 4-inch at $7.00 per 100.

GERANIUMS, orders booked for rooted cuttings fall delivery Nutt, Buchner and Perkins at $10.00 per 1000; Ricard, Poitevine, Castellane and Viaud at $12.50 per 1000.

ALBERT M. HERR,
LANCASTER, - PA.

Ardisia Crenulata

Beautiful plants berried for Fall delivery at exceptionally low prices.

IMPORT ONLY.

For description and prices please address

H. FRANK DARROW,
26 Barclay St., P. O. Box 1250, NEW YORK.

Commercial Asters

20,000 Red, Large Branching, $1.50 per 100; $7.00 per 1000; 2,000, $12.00; 5,000, $25.00. Cash with order

200 S. A. Nutt, 3-in. pots, 5 cents each.

PERTH FLORIST, Mason City, Iowa.

Peoria, Ill.

Local florists are taking advantage of the slight lull in business to carry on a great deal of improving and repairing.

D. W. Augspurger & Sons have purchased an acre of ground adjoining their property. They will begin at once to erect four new houses, one of these to be used exclusively for propagating purposes. They are also improving their houses—tearing out old benches and replacing with new ones. Superintendent M. D. Augspurger stated that they would probably add palms as a specialty. As they have achieved a huge success by specializing ferns of all kinds we may look for something doing by these people in palms in the near future.

James Cole, of Cole Bros., reports business good on the whole but not much indoor business, picnics, excursions, etc., taking up most of the flower lovers' time.

Two new houses are being constructed by Chas. Loveridge. Foreman J. Salmons reported good business.

H. O. R.

GODFREY ASCHMANN

Of Philadelphia, the well known Araucaria Specialist, is not dead, but still alive and more active than ever.

1907 Was the 12th Anniversary since he began the importing and shipping of **Araucarias** He never had such a record-breaking year. **7,000** were imported sold or shipped This, in spite of panic times, has given him new strength in his **Importing Araucaria Business.** His business is now so well established that every person in the trade, from ocean to ocean, has heard of his **Araucarias. This year, 1908, is our 13th anniversary.** What do you think? Will we be behind last year? Oh, no! Don't look like it.

WATCH US GROW.

8,000 were imported this spring and can be seen and inspected growing in our greenhouses, in all sizes and prices, potted up into 5, 5½ and 6 inch pots. They have now sufficiently recovered from their voyage to be shipped safely into every state and territory of the United States, Canada or elsewhere. Now is the time to order. Fill your empty houses now and put something in them that will grow into money for you.

Look! Plants worth 75c now are worth by Sept. or Oct., $1.50 to $1.75 up to $2.00 each.

Araucaria Excelsa, 5-in. pots, 2 years old 3 tiers, 8 10 in. high, 40c; 5¼-in. pots, 2 years old, 3 to 4 tiers, 10-12-13 in. high, 50c; 5½ to 6-in. pots, 3 to 4 years old, 4, 5 and 6 tiers, 14-15-16-20 in. high, 60c, 75c to $1.00 each.

Araucaria Robusta Compacta, 6-in. pots, 3 years old, 3 tiers, very beautiful plants, $1.25 to $1.50 each.

Araucaria Excelsa Glauca, 6-in. pots, 3 years old, 3 tiers, very handsome plants. $1.00, $1.25 to $1.50 each.

Araucaria Excelsa Glauca, specimen plants (something extra), spring of 1907 importation, suitable for lawns and porches, 5 to 6 years old, 7-in. pots, 5 tiers 25 to 30, 35 to 40 in. high same in width, $1.50, $1.75, $2.00, $2.50, $3.00 to $4.00 each.

Kentia Forsteriana, 6 to 7 in. pots, 36 in. high, $2.00 each; 40 to 50 in. high, $2.50 to $3.00 each; 6-in. pots, 30 in. high, $1.50; 6-in. pots, 25 in. high, $1.00; 6-in. pots, 20 to 25 in. high, 75c; 5 to 5½ in. pots 50c.

Kentia Belmoreana, 5¼ to 5½ in. pots, 22 to 25 in. high, 50c, 60c to 75c; 4-in. pots, 20 to 22 in., 35c.

Clematis, the true Jackmani, 6-in. pots, 3 feet, 35c to 40c.

Begonia Gloire de Lorraine, 3-in. pots raised from leaf cuttings, ready to shift into 4-5 in. pots, 25c.

Cannas, 4-in.....5c **S. Sage,** 4-in.....5c
Geraniums, 4 in.....5c

Asparagus Plumosus Nanus, 2½-in., $3.00 per 100.

Whitmani Ferns, 4 in., 20c; 5½ to 6 in., 40c to 50c.

Boston Ferns, 4-in., 20c; 6-in., 40c to 50c.

Scottii Ferns, 4 in., 20c; 5½-in., 40c.

Cycas Revoluta (Sago Palm), 5 up to 20 leaves to a plant, 6 to 7 in. pots, 10c per leaf.

Bay Trees, just received, per steamer Manitou, 6 ft. high from top of tub, 30-in. crowns, $12.00 per pair.

Victoria Asters, 2½-in. pots, separate colors, $2.00 per 100.

Solanum, or Jerusalem Cherries. We carry the best improved strain called the Multiflorum, always laden with big berries. Price: 2½-in. pots, $4.00 per 100.

All goods must travel at purchaser's risk only. Cash with order, please.

GODFREY ASCHMANN, 1012 W. Ontario St., Philadelphia

Importer, Wholesale Grower and Shipper of Pot Plants.

Surplus List.

	Per 100
Asparagus Plumosus, 2-in	$3 00
" " 2½-in	4 00
Achyranthes, 2 kinds, 2½-in	3 00
Begonia Gloire de Sceaux, 2½-in	10 00
" Fairy Queen, 2½-in	4 00
" Vernon, 2½-in	4 00
Chrysanthemums, large stock; send for list.	
Coleus, John and Anna Pfister, 2-in	3 00
Cyclamen, Vaughan's Giant-Flowering, 3-in	6 00
4-in	8 00
Cannas, strong pot plants; send for list.	
Dahlias, strong pot plants, named, in all the best sorts, both cactus and large flowering	6 00
English Ivy, 4-in., long vines	10 00
German Ivy, 2½-in., long vines	3 00

	Per 100
Geraniums, ivy-leaved, asst. kinds, 2½-in.	$3 00
" Little Pink, Sycamore, Beaute Poitevine, Single and Dbl. White, 2½-in.	3 00
4-in	6 00
Lobelia New Dbl. Kathleen Mallard, 3-in.	6 00
Latania Borbonica, 2½-in	4 00
" " 3-in	7 00
Primula Obconica, 2-in	3 00
Solanum Capsicastrum, 2½-in	4 00
Smilax, myrtle leaf, 3-in	5 00
" large leaf, 2-in	2 00
Sage, Holt's Mammoth, 2-in	2 50
Santolina, 2-in	3 00
Thunbergia, 2½-in.	3 00
Petunias, finest double sorts, 2½-in	3 00
Pelargoniums, named kinds, 4-in. pots	15 00
Poinsettias, Fine young plants in 2½-in. pots, made from cuttings, per doz. $1.00;	7 00

SURPLUS ROSES.

	Per 100
Richmond, 2½-in	$ 3 00
Uncle John, 2½-in	3 00
3½-in	10 00
Magnafrano, 3½-in	20 00
4-in	25 00
Cardinal, 3-in	10 00
4-in	15 00
Red Kaiserin, 3-in	12 00
4-in	20 00
Bridesmaid, 2½-in	3 00

	Per 100
Bridesmaid, 3-in	5 00
3½-in	7 00
Brides, 2½-in	3 00
3-in	5 00
3½-in	7 00
Alice Roosevelt, 3½-in	15 00
4-in	20 00
Annie Mueller, 3-in	5 00
Sunrise, 3-in	10 00
3½-in	12 00

Vaughan's Seed Store, 84-86 Randolph St., CHICAGO 14 Barclay St., NEW YORK.

Greenhouses and Nurseries: Western Springs, Ill.

RENSSELAER, IND.—We regret to learn of the death of Mrs. A. W. Cleveland of this place, which occurred July 11. Funeral services were held at the late residence of the deceased Sunday afternoon.

ROCKFORD, ILL.—C. H. Woolsey is about to build another greenhouse, 27x 63 feet, at his plant on Charles street. J. C. Moninger Co., Chicago, will furnish the material and plans.

Cycas Stems

NEW STOCK
ALL SIZES
Prices:

VAUGHAN'S SEED STORE,

CHICAGO, 84-86 Randolph St. **NEW YORK,** 14 Barclay St.

LARGEST STOCK OF ALL

Belgian Plants

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

LOUIS VAN HOUTTE, PERE,
GHENT, BELGIUM.

SPECIAL.

If you are interested in **Ferns** of any kind or size, **Primroses,** three kinds, **Celestial Peppers, Cinerarias, Cyclamen,** etc., etc., write

GEO. A. KUHL, Pekin, Ill.,
Wholesale Grower to the Trade.

PLANTS, 1½c. All from 2-inch pots.

Swainsona alba, Coleus, Feverfew (dbl, white), Shasta Daisy (two kinds), Dbl. Petunia, Sweet Alyssum (single), Smilax, Celestial Peppers Geraniums (Ivy, Nutt, Dbl. Grant, Gen. Grant,, Buchner, Viaud, etc.), all above, 2 and 2½-in. stock, at 1½c. Chinese Primroses, 2-in. 2c.

Asters, separate colors, Semple's, $2.50 per 1000. Cash or C. O. D.

BYER BROS, Chambersburg, Pa

PLANTS PLANTS

500,000 Celery Plants.

White Plume, Winter Green, Giant Pascal, Perle le Grand, Many Heart, $2.00 per 1000.

JESSE HILLBORN, Newtown, Pa.

Neph. Whitmani

2¼-inch......................$ 5.00 per 100
3½-inch...................... 25,00 per 100

Boston Ferns 2¼-inch, $3.00 per 100.

Henry H. Barrows & Son, WHITMAN, MASS.

'Nother Luther Burkank.

Pontiac, Mich., March 25.—Henry M. Linabury, retired druggist, has evolved a fruit tree tonic. Applying principles of chemistry he concocted a solution in which he soaked iron nails about an inch and a quarter in length. When the nails had taken up sufficient of the liquid he drove them into his fruit trees. He declares that last season his trees bore plentifully, while those of his neighbors were fruitless. He has soaked a quantity of nails in the tonic and is now offering them to fruit growers for experimental purposes. He maintains that fruit trees need nourishing as much as the soil, and that the quickest way to get results in the trees is to apply the tonic direct to the trees.

FICUS LASTICA.

4-inch.............................. $3.00 per dozen
5-incn.............................. 4,20 per dozen
6-inch.............................. 6.00 per dozen

KENTIAS

	Pots	Leaves	Hght.	Each.	Doz.
Kentia Forst.	5-in.	4-5	20 24-in.	$ .75	$ 9.00
"	6-in.	4-5	24-28-in.	1 00	12 00
"	6-in.	4-5	24-30-in.	1 25	15 00
"	7-in.	5-6	24-36-in.	2,50	30 00
"	8-in	5-6	36-40-in	3.50	42.00
"	9-in.	6-7	48-54-in.	5.00	60.00
Made-up Kentia 3 in a pot				5.00	60 00
Kentia Bel.	5-in.	5-6	18-20-in.	.75	9.00
"	6-in.	4-5	20-22-in.	1.00	12.00
"	6-in.	5-6	20-24-in.	1 50	18 00
"	7-in.	5-6	24-26-in.	1 75	21.00
"	7-in.	6-7	24-28-in.	2 50	30.00
"	8-in.	6-7	30-36-in.	4 00	48.00
	9-in.	6-8	36-48-in-	6.00	

Phoenix Canariensis

Fine for vases or out-door decoration, in small tubs, $2.50 each

Cycas Revoluta.

4-inch..............................25 cents each
5-inch..............................35 cents each
6-inch.............................. 50 cents each
7-inch.............................. 75c to $1.00 each
8-inch ....$1.25 to $1.50 each

If we do not confine ourselves to the exact size of pot specified, we shall see that stock of good value for the money is sent on every order.

ARAUCARIAS.

We have a special fine lot of Araucarias—the plants at $1.00 each are extra value for the money.

4-inch..............................35 cents each
5-inch..............................75 cents each
6-inch.............................. $1.00 each

Assorted Ferns for Fern Dishes

$3 00 per 100.

Adiantum Cuneatum, 4-in......... 1 50 per doz

THE GEO. WITTBOLD CO., 1657 Buckingham Place, CHICAGO.

PALMS Home Grown.

COCOS WEDDELLIANA.

	Each	Doz.
2½-in. pot, 8 to 10 in. high........	.10	
2½-in. pot, 10 to 12 in. high........	.15	

KENTIA BELMOREANA

	Each	Doz.
6-in- pot, 6 to 7 leaves, 22 to 24 in..	$1.00	$12.00
6-in. pot, 6 to 7 leaves, 24 to 26 in..	1.25	15.00
6 in. pot, 6 to 7 leaves, 26 to 28 in..	1.50	18.00
7 in. pot, 6 to 7 leaves, 30 to 36 in..	2.00	24.00
7-in. pot, 6 to 7 leaves, 32 to 34 in..	2.50	30.00
9-in. tub, 6 to 7 leaves, 42 to 48 in..	5.00	

KENTIA FORSTERIANA.

	Each	Doz.
6-in. pot, 5 to 6 leaves, 28 to 30 in..	$1.00	$12.00
6-in. pot, 6 leaves, 30 to 34 in......	1.25	15.00
6-in. pot, 6 leaves, 34 to 35 in......	1.50	18.00

MADE-UP PLANTS.

	Each	Doz.
7-in. pot, 4 plants in pot 34 to 36 in.	$2.50	$30 00
9-in. tub, 4 plants in tub 42 in.....	4.00	48.00

JOSEPH HEACOCK COMPANY, Wyncote, Pa.

FERNS and ASPARAGUS.

	Per 100
2¼-in. Boston and Piersoni, extra strong.......	$3.50
3 -in. " " " "	7.00
4 -in. " " " "	12.50
5 -in. " " " "	25.00
6 -in. " " " "	50.00
2¼-in. Scottii and Elegantissima, extra strong....	4.00
3-in. Scottii and Elegantissima, extra strong....	$ 8.00
2¼-in. Asparagus Plumosus extra strong......	3.00
2¼-In. " Sprengeri, " "	2.25
3 -in. " " " "	5.00
4 -in. " " " "	8.00
3 -in. Whitmani..............	12.50

THE MOSBAEK GREENHOUSE CO., Onarga, Ill.

Riverside Floral Co.,

Riverside, Ill.

R. Mayer has sold the entire stock to

MRS. MARY E. REISSIG.

FERNS FOR DISHES

Assorted Varieties.

From 2-in pots, $3.00 per 100; $25.00 per 1000. Cash with order.

FRANK OECHSLIN
2570-2606 W. Adams St., Chicago.
Formerly Garfield Park Flower Co.

ROBERT CRAIG CO.
HIGH CLASS **PALMS**
and Novelties in Decorative Plants.
Market and 49th Sts., Philadelphia, Pa.

A FEW GOOD THINGS YOU WANT.

Asparagus Sprengeri, 2-in., $2.50 per 100; 3-in. $5.00 per 100. Seedlings, $1.00 per 100.
Geraniums, Nutt, Doyle, Perkins, Ricard, Grant La Favorite, R. C., $1.25; 2-in. pots, $2.00; 3-in., $4.00 per 100; Trego, Viaud, Castellane, Poitevine, Jaulin, R. C., $1.50; 2-in. pots, $2.50; 3-in., $5.00 per 100. Mme. Salleroi, 2-in. $3.00 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100; 3-in., $5.00 per 100.
Boston Ferns, 5-in., 30c each.
Vinca Var., 2-inch, $2.00 per 100.
Dracena Indivisa, 3 in., $5.00 per 100.
Rex Begonia, $5.00 per 100.
Cash with order. No C. O. D. All shipments at risk of purchasers, after being delivered to the express companies properly packed in good order.
GEO. M. EMMANS, NEWTON, N. J.

Chrysanthemums
FOR EVERY PURPOSE.
A partial list with prices appeared in previous issue.
ELMER D. SMITH & CO.,
Successors to Nathan Smith & Son,
ADRIAN, MICH.

JOHN E. HAINES,
BETHLEHEM, PA.,
is the place to order field plants of the following varieties; will be ready by Aug. 1:

	Per 100	1000
John E. Haines, red	$6.00	$50.00
Imperial, variegated	6.00	50.00
Pink Imperial	6.00	50.00
Enchantress, light pink	6.00	50.00

A. F. LONGREN
Rooted cuttings and plants of
CARNATIONS and CHRYSANTHEMUMS
—MY SPECIALTY—
Des Plaines, - Illinois.

AFTERGLOW
Orders now booked for field-grown plants, to be delivered in August and September.
First size.....$14.00 per 100
Second size..... 12.00 per 100
R. WITTERSTAETTER,
(Originator) Station F, CINCINNATI, O

SPECIALTIES.
ROSES, from 3-inch pots. **CHRYSANTHEMUMS.**
CARNATIONS, for fall delivery. **SMILAX. VIOLETS.**
IN BEST VARIETIES.
Prices low. Send for list.
WOOD BROTHERS, Fishkill, N. Y.

ORCHIDS.
Arrived in Fine Condition: C. Mossiæ, C. Gaskelliana, C. Speciosissima and C. gigas Sanderiana.
Also others in a few days.
ORDONEZ BROS., Madison, N. J.

READING, PA.—In the evening of July 4 some miscreant deliberately shot through the large plate glass window of E. H. Beears' store on Ninth street. No one was injured, but the bullet imbedded itself in the opposite wall.

GERANIUMS.
OUR SPECIALTY
We are preparing to grow Geraniums on quite an extensive scale next season, and are making very interesting prices on orders booked now for delivery during the fall and winter; send us a list of what you can use and when you will be ready for them and see what we can do for you. Only plants from 2-in. pots; we do not send out rooted cuttings.
We have a Splendid lot ready for immediate shipment from 2-in. pots, in fine shape.
Standard Sorts, at $2.00 per 100 and up. We will send 1000, 50 each of 20 varieties, our selection for $18.50; single or double, all good sorts; a splendid collection to stock up on.
Newer Varieties, selected from the finest introductions of 1905-6, at $6.00 to $8.00 per 100.
Novelties, one each of 50 varieties, for $5.00. 1907 introductions of Bruant, Lemoine, Rozain-Boucharlat, Cannell and other specialists.

	Per 100
Smilax, strong plants	$2.00
Coleus, Golden Bedder and Verschaffeltii, 2-in., $2.00; 3-in.	3.00
Begonia, Vernon and Gracillis, 2-in.	2.00

Hardy Chrysanthemums, $2.00 per 100; 500 in 20 varieties, our selection, for $9.00; 1000 in 20 varieties, our selection, for $17.50. Strong plants from 2-in. pots.
Visitors always welcome. Cash with order.
R. Vincent, Jr. & Sons Co., White Marsh, Md.

ORCHIDS
The following freshly imported **ORCHIDS** to hand in superior condition:
CATTLEYA DOWIANA. Of this scarce and beautiful Orchid, we have a fine shipment to hand.
CATTLEYA TRIANAE. This is the second consignment this spring; a third one due shortly. Type superior to anything on the market.
CATTLEYA LABIATA. A second lot just in, in fine shape.
CATTLEYA GASKELLIANA and CATTLEYA MOSSIAE, Etc., Etc.
Also **LAELIA DIGBYANA**, in fine shape.
Write for prices and we assure you we can suit you.
LAGER & HURRELL, Summit, N. J.

NOTICE.

	Per 100	1000
Geraniums, 3-in. pots	$3.00	$25.00
" 3½-in. pots	3.50	28.00
" 4-in. pots	4.00	33.00
Coleus, 2½-in. pots	2.00	17.00
Double Petunias, 3-in. pots	$3.00	$25.00
Asparagus Plumosus, 3-in pots	5.00	
Asparagus Sprengeri, 2½-in. pots	2.50	22.00
Salvia Zurich, 3-in. pots	3.00	

PERENNIAL GARDENS CO., Toledo, Ohio.

ORCHIDS
Largest Importers, Exporters, Growers and Hybridists in the World.
SANDER, St. Albans, England.
NEW YORK OFFICE: Room 1, 235 Broadway. **T. MELLSTROM,** Agent.

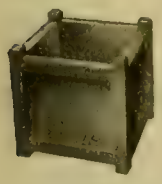
ORCHIDS.
ARRIVED in fine condition, a fine importation of C. Trianæ, C. Labiata, C. Schroederæ, C. Gigas Sanderiana, C. Harrisoniæ, C. Citrina, Lælia Anceps, Oncidium Varicosum Rogersii, Onc. Ornithorhynchum, Onc. Tigrinum, Odontoglossum, Insleayi, O. Rossii Majus.
We carry Orchid Peat, Sphagnum Moss, Baskets, etc.
CARRILLO & BALDWIN, Secaucus, N. J.

SARATOGA SPRINGS, N. Y.—Christian Dehn reports good business and is building a new King construction greenhouse 50x150 feet.

Plants from 3-in. Pots at $3.00 per 100
Dwarf Alyssum, Gazania Splendens, Cupheas, Moschosma riparium, Swainsona alba, Euonymus radicans, Geraniums, best commercial varieties, Rose and Peppermint Geraniums, Moonvine, the true white large flowering.
Clematis, large flowering varieties, 2-year-old plants, red, purple and white, $3.00 per dozen. Clematis paniculata, 3-in. pots, $5.00 per 100.
Honeysuckle, Halleana and Red Trumpet, strong plants, $1.50 per dozen, $10.00 per 100.
Ampelopsis Veitchii, 4-in. pots, 2-year-old plants, $1.50 per dozen, $10.00 per 100; 3-in. pots, $5.00 per 100.
Ivy, hardy English, 4-in. pots, $1.50 per dozen $10.00 per 100.
Salvia Bonfire, 4-in. pots, $5.00 per 100.
Asparagus Plumosus, 3-in. pots, $5.00 per 100.
Asparagus Sprengeri, 2½-in. pots, $3.00 per 100.
Cash with order please.
C. EISELE, 11th and Westmoreland Sts. **PHILADELPHIA, PA.**

THE WHILLDIN POTTERY COMPANY
THE LARGEST MANUFACTURERS OF
STANDARD FLOWER POTS
PHILADELPHIA, PA. LONG ISLAND CITY, N. Y. JERSEY CITY, N. J.

MISSION PLANT BOXES.



Are the best and cheapest plant boxes in the market for large plants, boxwoods, bay trees, etc. They are attractive in design, strong and durable. Suitable for either outdoor and indoor use. Write for prices.
WAGNER PARK CONSERVATORIES
Sidney, Ohio.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

J. SCHROEDER,
— MAKER OF —
Artificial Flowers,
344 Ontario St., CLEVELAND, O.

A. HERRMANN,
Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florists' Supplies.
SEND FOR PRICES.
404-412 East 34th St., NEW YORK.

Wired Toothpicks
10,000, $1.75: 50,000, $7.50. Manufactured by
W. J. COWEE, BERLIN, N. Y.
Sample free. For sale by dealers.

Indianapolis.

OUTDOOR FLOWERS POOR.

July business to date has been good, funeral work being especially plentiful. The extremely hot and dry weather is very unfavorable to outdoor flowers and carnations and tea roses, although of poor quality, are still in fair demand. Kaiserin, Killarney and American Beauty are good and find a ready sale at good prices.

Mrs. A. Pahud died July 8 at her home on N. Senate avenue, after an illness of three months. Mrs. Pahud was 53 years old and until recently took active part in her husband's business. Mr. Pahud has the heartfelt sympathy of his friends.

The June meeting of the State Florists' Association was well attended. The finance committee for the carnation meeting reported great progress. S. Hitz and Fred Heinz were elected members.

M. Brandlein is planning a number of improvements for this summer, which will place his establishment among the best equipped in this vicinity.

John Bertermann and family will leave for Clark's Lake, Mich., next week. Ed. Bertermann and family will spend their vacation at Elkhardt Lake. J.

THE KELLER POTTERY COMPANY,
Manufacturers of FLORISTS' RED STANDARD POTS.
Azalea Pots, Bulb and Fern Pans, Etc.
Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

The Ionia Pot is the Best Pot.
That's the reason why it was necessary to double our capacity in 1907 to take care of the trade of 1908. Our factory equipment is the best. Our output is the largest.
Hand your next season's order to Uncle Sam today. Our invoice will be in your hands on his return trip.
IONIA POTTERY COMPANY, Ionia, Mich.

Standard Flower Pots!
Packed in small crates, easy to handle.

Price per crate			Price per crate		
1500 2-in., in crate,		$4.88	120 7-in., in crate,		$4.20
1500 2¼	"	5.25	60-8	"	3.00
			HAND MADE.		
1500 2½	"	6.00	48 9-in., in crate,		$3.60
1000 3	"	5.00	48 10	"	4.80
800 3½	"	5.80	24 11	"	3.60
500 4	"	4.50	24 12	"	4.80
320 5	"	4.51	12 14	"	4.80
144 6	"	3.16	6 16	"	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address
HILFINGER BROS. POTTERY, Fort Edward, N.Y.
or AUGUST ROLKER & SONS, New York Agents
31 Barclay Street, New York City.

GEO. KELLER & SON,
Manufacturers of
FLOWER POTS
Before buying write for prices.
361-363 Herndon Street
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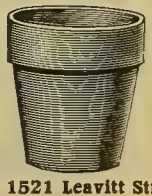

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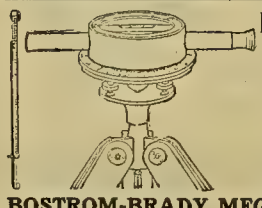

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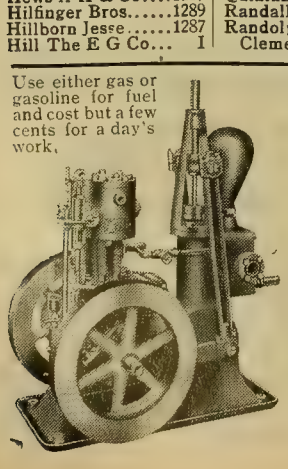

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Chrysanthemums, 2½-in., $2.50 per 100; Chadwick, Eaton, Yanoma, Touset, Estelle, White Bonnaffon, Dr. Enguehard, Bonnaffon, Col. Appleton, Yellow Eaton, Black Hawk. Peter Reinberg, 51 Wabash Ave., Chicago.

Chrysanthemums, Touset, Maud Dean, Balfour, Pink Ivory, Oct. Frost, Enguehard, 2½-in., $3 per 100. S. J. Reuter & Son, Inc., Westerly, R. I.

Chrysanthemums, Oct. Frost, Rosiere, 2-in., $2 per 100. Pres. Roosevelt, 2-in., $3 per 100. Krueger Bros. Co., Toledo, O.

Chrysanthemums, hardy, $2 per 100; 500 in 20 vars., our selection, $9; 1,000, $17.50, 2-in. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Chrysanthemums, R. C. and plants. A. F. Longren, Des Plaines, Ill.

Chrysanthemums for every purpose. Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, leading varieties. Vaughan's Seed Store, Chicago and New York.

Chrysanthemums, leading vars. Wood Bros., Fishkill, N. Y.

CLEMATIS.

Clematis, Jackmani, 6-in., 3 ft., 35c and 40c. G. Aschmann, 1012 W. Ontario St., Phila.

COBEAS.

Cobea scandens, 4-in., $8 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

COLEUS.

Coleus, Versch., and fine assorted, 2-in., strong, 2½c. Cash. L. E. Marquisee, Syracuse, N. Y.

Coleus, Golden Bedder and Verschaffeltii, 2-in., $2; 3-in., $3 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Coleus, 2½-in., $2 per 100; $17 per 1,000. Perennial Gardens Co., Toledo, O.

Coleus, 10 varieties, 2¼-in., $2 per 100. Jos. H. Cunningham, Delaware, O.

Coleus, John and Anna Pfister, 2-in., $3 per 100. Vaughan's Seed Store, Chicago and N. Y.

Coleus, 2-in., 1½c. Byer Bros., Chambersburg, Pa.

CYCLAMENS.

Cyclamen, best giant strain in 5 colors, strong plants from 2-in. pots, 4c. J. L. Schiller, 929 Prouty Ave., Toledo, O.

Cyclamen, giant flowering, 3-in., $6 per 100. Vaughan's Seed Store, Chicago and New York.

Cyclamen, 3-in., $7; 4-in., $15; 5-in., $20. S. S. Skidelsky, 1741 N. 18th St., Philadelphia.

Cyclamens. Geo. A. Kuhl, Pekin, Ill.

DAHLIAS.

Dahlias, pot plants, named, cactus and large flowering, $6 per 100. Vaughan's Seed Store, Chicago and New York.

Dahlias, leading varieties. David Herbert & Sons, Atco, N. J.

Dahlias, all leading sorts. James Vick's Sons, Rochester, N. Y.

Dahlias, white, 4-in., $8 per 100. Harry Heinl, West Toledo, O.

DAISIES.

Daisy Queen Alexandra, well flowered, 6 and 7-in., $6 to $9 per doz. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Daisies, Shasta, 2 kinds, 2-in., 1½c. Byer Bros., Chambersburg, Pa.

Daisies, English, $3 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

DRACENAS.

Dracæna indivisa, 3-in., $5; 4-in., $9; 5-in., $20 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Dracæna indivisa, 3-in., $5 per 100. G. M. Emmans, Newton, N. J.

FERNS.

Ferns, Boston and Piersoni, 2½-in., $3 per 100; 3-in., $6; 4-in., $10; 6-in., 40c each. Thos. Salveson, Petersburg, Ill.

Ferns, Boston and Scottii, 4-in., 20c; Boston, 6-in., 40c to 50c; Scottii, 5½-in., 40c; Whitmani, 4-in., 20c; 5½ to 6-in., 40c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns, Whitmani, 2¼-in., $5 per 100; 3½-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Son, Whitman, Mass.

Ferns, assorted for dishes, $3 per 100. Adiantum cuneatum, 4-in., $1.50 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Ferns for dishes, assorted vars., 2-in., $3 per 100; $25 per 1,000. Frank Oechslin, 2570 W. Adams St., Chicago.

Ferns. See our display advertisement for varieties and prices. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns, Adiantum Farleyense, 50c to $1 each. J. A. Peterson, McHenry Ave., Westwood, Cincinnati, O.

Ferns, Boston, 5-in., 30c each. Geo. M. Emmans, Newton, N. J.

Ferns, all kinds. Geo. A. Kuhl, Pekin, Ill.

FICUS.

Ficus elastica, 4-in., $3 per doz.; 5-in., $4.20 per doz.; 6-in., $6 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

FUCHSIAS.

Fuchsias, in bud and bloom, 3-in., $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

GERANIUMS.

Geraniums, standard sorts, $2 per 100 up. Will send 1,000; 50 each of 20 varieties, our selection, $18.50, single or double. Newer vars., 1905-6 introduction, $6 to $8 per 100. Novelties, 1 each of 50 vars., $5, from 1907 introductions. R. Vincent, Jr. & Sons Co., White Marsh, Md.

GERANIUMS. We are headquarters, 12 months in the year. We have an exceptionally fine lot of 2½-in. stock on hand for immediate delivery. Write. THE W. T. BUCKLEY CO., Springfield, Ill.

Geraniums, Nutt, Doyle, Perkins, Ricard, Grant, La Favorite, R. C., $1.25; 2-in., $2; 3-in., $4 per 100. Trego, Viaud, Castellane, Poitevine, Jaulin, R. C., $1.50; 2-in., $2.50; 3-in., $5 per 100. Geo. Emmans, Newton, N. J.

Geraniums, 3-in., $3 per 100; $25 per 1,000; 3½-in., $3.50 per 100; $28 per 1,000; 4-in., $4 per 100; $33 per 1,000. Perennial Gardens Co., Toledo, O.

Geraniums, ivy leaved, asst., 2½-in., $3; Little Pink, Sycamore, Beaute Poitevine, single and dbl. white, 2½-in., $3; 4-in., $6 per 100. Vaughan's Seed Store, Chicago and New York.

Geraniums, R. C., fall delivery, Nutt, Buchner and Perkins, $10 per 1,000. Ricard, Poitevine, Castellane and Viaud, $12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, standard varieties mixed, 2¼-in., $2.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Geraniums, ivy, rose, Nutt, dbl. Grant, Gen. Grant, Buchner, Viaud, etc., 2 and 2½-in., 1½c. Byer Bros., Chambersburg, Pa.

Geraniums, 4-in., 5c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Geraniums, S. A. Nutt, 3-in., 5c. Perth, Florist, Mason City, Iowa.

Geraniums. James Vick's Sons, Rochester, N. Y.

GLADIOLI.

Gladiolus America, $6.50 per 100; $60 per 1,000. Write for prices on other stock. Cushman Gladiolus Co., Sylvania, O.

Gladiolus bulbs, $1 per 100. Geo. M. Emmans, Newton, N. J.

GLOXINIAS.

Gloxinias. L. Van Houtte, Pere, Ghent, Belgium.

GREENS.

Greens, bronze galax, $8.50 per case of 10,000; green, $7.50 case of 10,000. Dagger and fancy ferns, $1 per 1,000. Laurel festooning, boxwood, southern wild smilax, sphagnum and green moss, leucothoe sprays, etc. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, dagger and fancy ferns, $1.75 per 1,000. Bronze and green galax, $1.25 per 1,000. Leucothoe sprays, $1 per 100; $7.50 per 1,000. Sphagnum moss, per bale, $1.25. Boxwood bunches, 35c; 50 lbs., $7.50. Michigan Cut Fower Exchange, 38-40 Broadway, Detroit.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 53 W. 28th St., New York.

Greens, cut palmetto and cycas leaves, galax leucothoe, ferns, mosses, etc. Kervan Co., 113 W. 28th St., New York.

Greens, smilax, ferns, palm leaves, etc. John P. Scherer, Union Hill, N. J.

Greens, southern wild smilax. E. A. Beaven, Evergreen, Ala.

The American Florist invites attention to the class of business firms in its adv. columns.

HARDY PERENNIALS.

Hardy pinks, asst. colors in bud and bloom, $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

HONEYSUCKLES.

Honeysuckles, Halliana and Red Trumpet, $1.50 per doz.; $10 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

HYDRANGEAS.

American Everblooming Hydrangeas, strong nursery-grown plants, $15 per 100; $140 per 1000; strong nursery-grown, 8 to 12 inches, $10 per 100; $90 per 1000; 5000 for $400. Lists free. The E. Y. Teas Co., Centerville, Ind.

Hydrangea Otaksa, in half barrels, $5, $7 and $10 each; in tubs, $2 each. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Hydrangeas, 3-in., $10 per 100; 6 and 7-in., 50c, 75c and $1 each. Geo. A. Kuhl, Pekin, Ill.

Hydrangea Snowball, 3-yr., $5 per doz. Vaughan's Seed Store, Chicago and New York.

Hydrangeas. W. & T. Smith Co., Geneva, N. Y.

IVIES.

Ivy, English, 4-in., $1.50 per doz.; $10 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Ivy, English, 4-in., $10 per 100; German, 2½-in., $3. Vaughan's Seed Store, Chicago and New York.

LILACS.

Lilacs. Jacs Smits, Ltd., Naarden, Holland.

LILY OF THE VALLEY.

To Import.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley. Otto Mann, Leipzig, Saxony, Germany.

From Storage.

Lily of the valley, pips, cold storage. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley cold storage pips, $14 per 1,000; $1.75 per 100. H. N. Bruns, 1407-11 W. Madison St., Chicago.

LOBELIAS.

Lobelia, new dbl. Kathleen Mallard, 3-in., $6 per 100. Vaughan's Seed Store, Chicago and New York.

MOSS.

Sphagnum moss, 5 barrel bale, $1.25; 2 bales, $2.25; 5 bales, $5; 10 bales, $9.50. H. R. Akers, Chatsworth, N. J.

Sphagnum moss in burlap, or wired bales. Write for prices. Vaughan's Seed Store, Chicago and New York.

MUSHROOM SPAWN.

Swanson's new varieties of Mushroom Spawn is the best spawn on the market. Write for price list and book about mushrooms. Paul Swanson, 2743 W. 47th St., Chicago.

Mushroom spawn. Johnson's improved. Johnson's, Ltd., 44 Bedford Row, London, W. C., Eng.

Mushroom spawn, Sure Crop, $8 per 100 lbs. Weeber & Don, 114 Chambers St., New York.

Mushroom spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, trees and shrubs, price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Nursery stock, arbor vitæ (Thuya occidentalis) 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, large trees, oaks, maples, pines and hemlock. Andorra Nurseries, Chestnut Hill, Philadelphia.

Viburnum plicatum, all sizes up to 4 ft. The Conard & Jones Co., West Grove, Pa.

Nursery stock, fruit and shade trees, shrubs, evergreens. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. Storrs & Harrison, Painesville, O.

ORANGES.

Oranges, Kinkan. P. J. Berckmans Co., Augusta, Ga.

ORCHIDS.

Orchids, arrived in fine condition, C. Mossiæ, C. Gaskelliana, C. speciosissima and C. gigas Sanderiana. Ordonez Bros., Madison, N. J.

If you do not find what you need in our Ready Reference Department, write us about it.

Orchids. C. Trianæ, C. labiata, C. Schroederæ, C. gigas Sanderiana, C. Harrisoniæ, C. citrina, Lælia anceps. Oncidium varicosum Rogersii, O. ornithorhynchum, O. tigrinum, Odontoglossum Insleayi, O. Rossii majus, also orchid peat, sphagnum moss, baskets, etc. Carrillo & Baldwin, Secaucus, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England. New York office, room 1, 235 Broadway.

Orchids. Cattleya Dowiana, C. Trianæ, C. labiata., C. Gaskelliana, C. Mossiæ, Lælia Digbyana. Lager & Hurrell, Summit, N. J.

Orchids. Largest stock in the country. Ask for prices. Julius Roehrs Co., Rutherford, N. J.

PALMS.

Palms, Kentia Forsteriana, 5-in., 4 to 5 leaves, 20 to 24 ins., 75c each; $9 per doz.; 6-in., 4 to 5 lvs., 24 to 28 ins., $1 each; $12 per doz.; 6-in., 4 to 5 lvs., 24 to 30 ins., $1.25 each; $15 per doz.; 7-in., 5 to 6 lvs., 24 to 36 ins., $2.50 each; $30 per doz.; 8-in., 5 to 6 lvs., 36 to 40 ins., $3.50 each; $42 per doz.; 9-in., 6 to 7 lvs., 48 to 54 ins., $5 each; $60 per doz. Made up kentias, 3 in a pot, $5 each; $60 per doz. Belmoreana, 5-in., 5 to 6 lvs., 18 to 20 ins., 75c each; $9 per doz.; 6-in., 4 to 5 lvs., 20 to 22 ins., $1 each; $12 per doz.; 6 in., 5 to 6 lvs., 20 to 24 ins., $1.50 each; $18 per doz.; 7-in., 5 to 6 lvs., 24 to 26 ins., $1.75 each; $21 per doz.; 7-in., 6 to 7 lvs., 24 to 28 ins., $2.50 each; $30 per doz.; 8-in., 6 to 7 lvs., 30 to 36 ins., $4 each; $48 per doz.; 9-in., 6 to 8 lvs., 36 to 48 ins., $6 each. Phœnix Canariensis, in small tubs, $2.50 each. Cycas revoluta, 4-in., 25c each; 5-in., 35c; 6-in., 50c; 7-in., 75c and $1; 8-in., $1.25 to $1.50. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Palms, home grown, Cocos Wed., 2½-in., 8 to 12 ins., 10c; 2½-in., 10 to 12 ins., 15c. Kentia Bel., 6-in., 6 to 7 lvs., 22 to 24 ins., $1 each; $12 per doz.; 6-in., 6 to 7 lvs., 24 to 26 ins., $1.25 each; $15 per doz.; 6-in., 6 to 7 lvs., 26 to 28 ins., $1.50 each; $18 per doz.; 7-in., 6 to 7 lvs., 30 to 36 ins., $2 each; $24 per doz.; 7-in., 6 to 7 lvs., 32 to 34 ins., $2.50 each; $30 per doz.; 9-in. tub, 6 to 7 lvs., 42 to 48 ins., $5 each. Kentia Fors., 6-in., 5 to 6 lvs., 28 to 30 ins., $1 each; $12 per doz.; 6-in., 6 lvs., 30 to 34 ins., $1.25 each; $15 per doz.; 6-in., 6 lvs., 34 to 36 ins., $1.50 each; $18 per doz. Made-up plants, 7-in., 4 plts. to pot, 34 to 36 ins., $2.50 each; $30 per doz.; 9-in. tub, 4 to tub, 42 ins., $4 each; $48 per doz. Joseph Heacock Co., Wyncote, Pa.

Palms, Kentia Fors., 6 to 7-in., 36 ins., $2 each; 40 to 50 ins., $2.50 to $3; 6-in., 30 ins., $1.50; 6-in., 25 ins., $1; 6-in., 20 to 25 ins., 75c; 5 and 5½-in., 50c. Kentia Bel., 5¼ to 5½-in., 22 to 25 ins., 50c, 60c, 75c; 4-in., 20 to 22 ins., 35c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Latania Borb., 2½-in., $4; 3-in., $7. Vaughan's Seed Store, Chicago and New York.

Palms, high class. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Palms. P. J. Berckmans Co., Augusta, Ga.

Palms. L. Van Houtte, Pere, Ghent, Belgium.

PANDANUS.

Pandanus Veitchii, specimens, $1.50 to $4 each. J. A. Peterson, McHenry Ave., Westwood, Cincinnati, O.

PELARGONIUMS.

Pelargoniums, named kinds, 4-in., $15 per 100. Vaughan's Seed Store, Chicago and N. Y.

PEONIES.

Peonies, Felix Crousse, De Candolle, Rubra Grand, Rubra Triumphans, M. Crousse or Am. Beauty, in red. Festiva Maxima, $15 per 100; Mme. Calot, Mme. Crousse, Queen Victoria, $8 per 100, whites. Livingston, Floral Treasure, Model of Perfection, M. Boucharlat Aine, E. G. Hill Co., Richmond, Ind.

Peonies, a very choice collection, including the very best sorts. Festiva Maxima, strong divisons, $18 per 100. Queen Victoria, strong divisons, $7 per 100. Lists free. Other varieties in proportion. The E. Y. Teas Co., Centerville, Ind.

Peonies, the largest stock of best French varieties. Strong plants. Low prices. Catalogues free. Dessert, Peony Specialist, Chenonceaux, France.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Wholesale peony list for fall 1908 is now ready. J. F. Rosenfield, West Point, Neb.

Peonies, leading varieties. Gilbert H. Wild, Sarcoxie, Mo.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies, leading vars. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Primroses, 3 kinds. Geo. A. Kuhl, Pekin, Ill. 800 strong, healthy American Beauties, in 4-in. pots, $8 per 100. A. C. Canfield, Springfield, Ill.

Petunias, double sorts, 2½-in., $4 per 100. Vaughan's Seed Store, Chicago and New York.

Petunias, dbl., 2-in., 1½c. Byer Bros., Chambersburg, Pa.

Petunias, dbl., 3-in., $3 per 100; $25 per 1,000. Perennial Gardens Co., Toledo, O.

POINSETTIAS.

Poinsettias, hard and soft wood, 2½-in. pots, $4 per 100. McIntyre Bros., Florists, Nashville, Tenn.

Poinsettias, 2½-in., $5 per 100; $45 per 1,000. S. S. Skidelsky, 1741 N. 18th St., Philadelphia.

Poinsettias, 2½-in., $1 per doz.; $7 per 100. Vaughan's Seed Store, Chicago and New York.

PRIMULAS.

Primulas, Chinese giant fringed in 6 different colors from 2-in. pots, 2c. Obconica, Lattman and Ronsdorf, large flowering hybrids, 8 colors, fringed, 2 colors, transplanted from flats, ready now, 1c; from 2-in. pots in August, 2c. J. L. Schiller, 929 Prouty Ave., Toledo, O.

Primroses, Chinese single fringed, $2 per 100. Obconica, alba, rosea, $2. Gigantea and Kermesina, $3. Forbesi, "Baby," $2. Jos. H. Cunningham, Delaware, O.

Primula obconica, 2-in., $3 per 100. Vaughan's Seed Store, Chicago and New York.

Primroses, Chinese, 2-in., 2c. Byer Bros., Chambersburg, Pa.

RHODODENDRONS.

Rhododendrons. Jacs Smits, Naarden, Holland.

ROSES.

Roses, Mrs. Potter Palmer, 2½-in., $15 per 100; $125 per 1,000; 2,000 or more, $115 per 1,000; 3½-in., $18 per 100; $150 per 1,000. Cardinal, 2½-in., $6 per 100; $55 per 1,000; 3½-in., $8 per 100; $75 per 1,000. Maid, Uncle John, 2½-in., $4.50 per 100; $40 per 1,000; 3½-in., Maid, ready now, $6.50 per 100; $60 per 1,000. Benched Beauties, cut back, $6.50 per 100; $55 per 1,000. Am. Beauties, 2-in., $5 per 100; $45 per 1,000; 2½-in., $5.50 per 100; $50 per 1,000; 3-in., $7 per 100; $65 per 1,000; 3½-in., $8 per 100; $75 per 1,000; 4-in., $12 per 100; $110 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, Mrs. Jardine, Rhea Reid, Queen Beatrice, My Maryland, $3 per doz.; $20 per 100. Killarney, Maid, Bride, Wellesley, Wootton, La Detroit, MacArthur, Richmond, Enchantress, Bon Silene, Papa Gontier, Etoile de France, Kate Moulton, Franz Deegan, Tom Field, Hermosa, M. Niel, Maman Cochet, grafted 3-in., $12 per 100; $100 per 1,000. Own root roses: Bride, Maid, Chatenay, Golden Gate, Ivory, 3-in., $6 per 100; $50 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

Roses, Richmond, 2½-in., $3 per 100. Uncle John, 2½-in., $3; 3½-in., $10. Magnafrano, 3½-in., $20; 4-in., $25. Cardinal, 3-in., $10; 4-in., $15. Red Kaiserin, 3-in., $12; 4-in., $20. Bridesmaid, 2½-in., $3; 3-in., $5; 3½-in., $7. Bride, 2½-in., $3; 3-in., $5; 3½-in., $7. Alice Roosevelt, 3½-in., $15; 4-in., $20. Anny Mueller, 3-in., $5. Sunrise, 3-in., $10; 3½-in., $12. Vaughan's Seed Store, Chicago and New York.

ROSES—SURPLUS STOCK.

Maid, 2½-in.	$3.00	per 100
Maid, 3-in.	5.00	per 100
Chatenay, 3-in.	4.00	per 100
Ivory, 3-in.	4.00	per 100

G. VAN BOCHOVE & BRO.,
Kalamazoo, Mich.

Roses, grafted, Chatenay, Killarney, Richmond, Liberty, La France, 3½-in., $18 per 100; Bride, Maid, Golden Gate, Kaiserin, 3½-in., $15 per 100; own root roses: Bride, Maid, Killarney, Richmond, Chatenay, 3-in., $7 and $9 per 100. J. L. Dillon, Bloomsburg, Pa.

ROSE PLANTS—Fine Stock.

	Per 100.	Per 1,000
Brides, 2½-in. pots	$3.00	$25.00
Maids, 2½-in. pots	3.00	25.00

SINNER BROS., 60 Wabash Ave., Chicago.

Roses, 2½-in., Bride, Maid, Uncle John, Ivory, Sunrise, Kate Moulton, $4 per 100; $35 per 1,000. Bench plants: Am. Beauty, $6 per 100; $50 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Roses, Am. Beauties, 3-in., $50 per 1,000. Killarney, 3-in., $12 per 100. Kaiserin, 2½-in., $4.50 per 100; $40 per 1,000. Bassett & Washburn, 76 Wabash Ave., Chicago.

Roses, grafted Killarney, Richmond, Bride and Maid, $12 per 100; $110 per 1,000. Own roots: Bride, Maid, G. Gate, Ivory, Perle, Killarney, Richmond, $6 per 100; $55 per 1,000; all from 3½-in. P. R. Quinlan, Syracuse, N. Y.

Roses, Killarney, grafted, 3½-in., $12 per 100; $100 per 1,000. Bride and Maid, own root, 3-in., $4 per 100; $35 per 1,000. Wellesley and Mme. de Watteville, 4-in., $5 per 100. S. J. Reuter & Son, Inc., Westerly, R. I.

Roses, Beauties, bench plants, $5 per 100; $40 per 1,000; 3-in. pots, $5 per 100; $40 per 1,000. Geo. Reinberg, 35 Randolph, Chicago.

Roses, 400 Bon Silene, 3-in., $4 per 100; 600 Bon Silene, 700 Chatenay, 200 Richmond, 2½-in., $2 per 100; 1000 Am. Beauty, 3-in., $5 per 100; 1000 2-in., $3 per 100. Harry Heinl, West Toledo, O.

Roses for forcing, grafted, Bride, Maid, Kaiserin, Killarney, Richmond, Wellesley, $10 per 100; $100 per 1,000. Jackson & Perkins, Newark, N. Y.

Roses, 400 Maid, 650 Bride, 275 Chatenay, 300 Richmond, 3½-in., $5 per 100; 125 Beauties, 3½-in., for $8. Good stock. The Lamborn Floral Co., Alliance, O.

Roses, 500 Richmond, from 3-in. pots, strong, healthy plants; 300 Bride, 300 Bridesmaid, at $3 per 100. None better. Daniel E. Gorman, Williamsport, Pa.

Rose plants, Richmond, fine 4-in., $6 per 100. Maid, Bride, Chatenay, Uncle John, in 2½-in., ready for 4-in., $3.50 per 100. William L. Rock Flower Co., Kansas City, Mo.

Roses, Bride, Maid, Gate, 2½-in., $2.50 per 100. Wm. B. Sands & Sons Co., Lake Roland, Md.

Roses, grafted, Bride, Maid, Killarney, 4-in., $20 per 100. Own root, Bride, Maid, Richmond, 4-in., $7 per 100. C. H. Totty, Madison, N. J.

Roses, leading varieties. Leedle Floral Co., Springfield, O.

Roses, own root. C. M. Niuffer, Springfield, O.

Roses for forcing. W. & T. Smith Co., Geneva, N. Y.

Roses a specialty. The Dingee & Conard Co., West Grove, Pa.

Roses, Bridesmaid, Meteor, 3-in., $3.50 per 100. Krueger Bros. Co., Toledo, O.

Roses, 3-in., Wood Bros., Fishkill, N. Y.

Roses. James Vick's Sons, Rochester, N. Y.

SALVIAS.

Salvias, Bonfire, 2½-in., $3; 3-in., $4 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Salvia Zurich, 3-in., $3 per 100. Perennial Gardens Co., Toledo, O.

Salvias, 4-in., 5c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

SEEDS.

Seeds. Dracæna australis, $2 per oz.; tr. pkt., 25c; Draco, 50c per oz.; tr. pkt., 25c; indivisa, $1.50 per oz.; tr. pkt., 25c. Incarvillea grandiflora, new, $4.50 per oz.; tr. pkt., 50c. Lobelia Hamburgi, tr. pkt., 30c. Primula veris Elatior, improved mixed, $2.50 per oz.; tr. pkt., 35c. Tritoma Express, $2 per oz.; tr. pkt., 30c. O. V. Zangen, Hoboken, N. J.

Seeds, bean, beet, cabbage, carrot, kohl rabi, leek, lettuce, onion, pea, radish, spinach, turnip, swede, aster, balsam, begonia, carnation, cineraria, gloxinia, larkspur, nasturtium, pansy, petunia, phlox, primula, scabious, stock, verbena zinnia, etc. Giant pansy, $5 per oz.; $1.50 per ¼ oz.; 75c per 1-16 oz. Henry Mette, Quedlinburg, Germany.

Seeds, Asparagus plumosus nanus, northern greenhouse grown, per 100 seeds, 60c; 250 seeds, $1; 1,000 seeds, $3. Vaughan's Seed Store, Chicago and New York.

Seeds, Asparagus plumosus nanus, 50c per 100; $1.75 per 500; $3 per 1,000. Sprengeri, 15c per 100; 40c per 500; 75c per 1,000. H. H. Berger & Co., 70 Warren St., N. Y.

Seed, pansy, 3,000 seeds, $1; ¼ oz., $1.50; ½ oz., $2.50; oz., $5; ¼ lb., $14; ½ lb., $25; 1 lb., $50. Peter Brown, 124 Ruby St., Lancaster, Pa.

Seeds, pansy, Jennings strain, mixed, 1 pkt., 4,000 seeds, $1; ½ oz., $2; oz., $4. E. B. Jennings, Southport, Conn.

Seeds, Asparagus plumosus nanus, per 1,000 seeds, $2. Sprengeri, per 1,000 seeds, 75c. W. C. Beckert, North Side, Pittsburg, Pa.

Seeds, Asparagus robustus, $2 per 1,000 seeds. Pansy, carnation, daisy and other seeds. J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds, pansy, 1,000 seeds, mixed, 25c; oz., $2.25. H. Wrede, Luneburg, Germany.

Seed, California Pearl cauliflower. Oregon Evergreen sweet corn. Johnson & Musser Seed Co., 113 N. Main St., Los Angeles, Calif.

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Lenox, Mass.

It must be acknowledged that this city has natural advantages for horticultural work that are not possessed by every town, noteworthy being its many noble native trees, which add grandeur and dignity to the work of the landscape architect and gardener. It is impossible in this article to more than sketch the splendid horticultural features of the locality and the most vivid description would fall far short of an adequate portrayal of what these men have wrought. It by no means follows that the work on the estates not here mentioned is of inferior grade, but it being impossible to see them all at their best in one brief visit, I shall give a few notes of what I recently have seen that impressed me very forcibly.

At the W. D. Sloane estate, where F. Heeremans is head gardener, there is always a fine show of the best in flowering plants. Mr. Heeremans is a noted grower of orchids and those who in recent years have attended the exhibitions of the Lenox Horticultural Society know something of his achievements along that line. His good work is not, however, confined to orchids, as he seems to be a specialist in all he undertakes.

A. J. Loveless, who is in charge of the horticultural features on Mrs. John Sloane's place, is another grower who has achieved a national reputation and whose best efforts are not confined to any one branch of growing. A noteworthy feature of his work at present is a fine crop of fruit that is ripening under glass.

On the Geo. H. Morgan place, Thomas Page, gardener, there is abundant evidence of excellent taste and a thorough knowledge of the principles of the noble art.

The estate of the late M. K. Jessup, J. J. Donoho, gardener, is unique in its beauty. With a natural situation that must have been selected by one who loved nature in both its grandeur and solitude, landscape features have been added that make it a place that has a charm peculiar to itself. The wide expanse of sloping lawn with its splendid background of trees is an impressive sight for those who can appreciate the work of the gardener who makes the most of what nature provides.

On the E. R. Wharton place Thomas Reynolds is head gardener, and the many attractive features speak eloquently of his skilful work.

The George Westinghouse place shows much evidence of the landscape gardening ability of E. J. Norman. With a very fine natural situation, many features have been added that place it among the notable estates, not only of this locality but of the whole country.

The summer residents are now arriving and for the remainder of the summer, not only the gardeners but practically the whole working population will be engaged in ministering to their wants. Before closing I must warn the chrysanthemum experts that if they are going to get the prizes away from Thomas Proctor, of the Patterson place, this fall, they must get busy.

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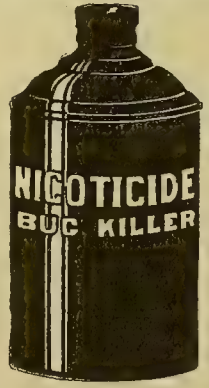

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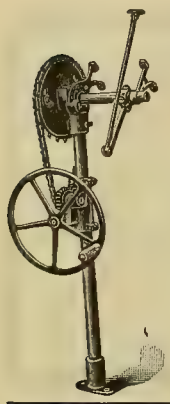

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Kansas City.

TRADE QUIET.

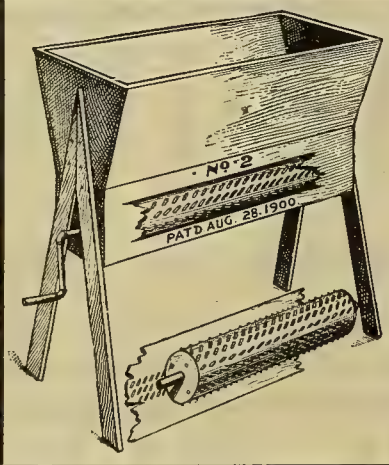
The summer conditions are about all there is to talk about at this time. To say that stock is poor does not describe the situation. And there is a more pronounced scarcity in all lines than ever before. All the tea roses are small with prices in proportion. About the only available flowers one could refer to as being choice are orchids, thanks to nature for giving them the power to ignore the different weather conditions. Carnations are completely off and only shipped-in stock is available, of which very little can be said of the quality. It is a regrettable fact that more of the craft do not realize the value of the summer garden flowers. If no more could be realized from them than a showing it would be profitable to have a good variety. And the wise craftsmen who do specialize them at this time of the year all report remarkably good sales. It is a rare occurrence that the shop windows have a display at this time that could be termed unusual, but one of the local windows held a display last week that even caused comment and admiration. Garden flowers here asserted their importance. The makeup consisted of quite a number of simple vase arrangements of tritomas and the long slender sprays of Eulalia Japonica, with green matting for a background. At last we are experiencing a period of genuine summer weather which comes just about the time we have made up our minds that we have cool resort weather at home and will enjoy the homemade article.

NOTES.

It was decided that a summer at Battle Creek, Mich., would be of benefit to Geo. M. Kellogg but after a brief stay there his condition became worse and Mrs. Lamb accompanied him to his home again where he seems to be making some improvement.

Wm. L. Rock and wife have started on a business and pleasure trip combined, which will take them through the east and also to the lake regions and Canada.

M. E. Chandler has begun cutting on a large field of gladioli among which are many new varieties that Mr. Chandler thinks quite well of.



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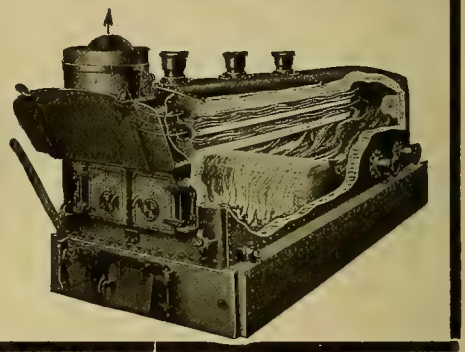

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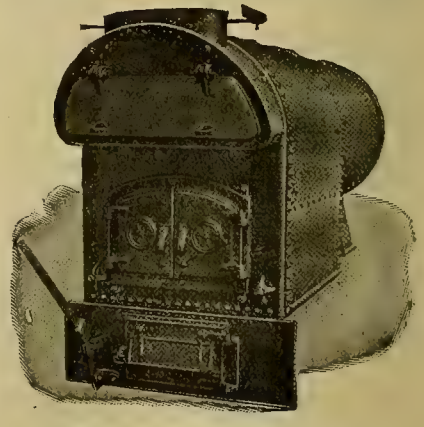

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Write for catalogue and prices.

Mrs. H. Lamb is planning a vacation with relatives in Denver, Colo., and a journey to Salt Lake City, Utah, and other western points.

Fred Fromhold is making life worth living fishing, hunting and enjoying the pleasant climate of the Ozarks.

The Wm. L. Rock Flower Co. was busy the latter part of the week with a big funeral out of town.

D. Freudenthal has decided to abandon his store at Eleventh street and Grand avenue.

Ed. A. Humfeld is fussing with the finny tribe in the lake regions of Wisconsin.

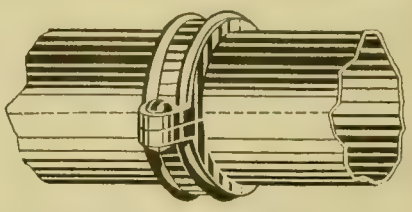
Mrs. Geo. Bastin has just returned from a pleasant vacation in western Kansas.

M. E Carter is thinking of the pine-clad hills of northern Arkansas.

W. A. Bastin has returned from a winter's stay in Chicago.

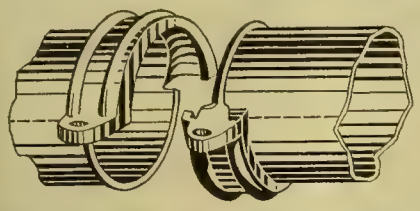
K. C.

Stuttle's Patent Pipe Clamp



Especially adapted for joining old boiler tubes now so generally used in hot-water heating of greenhouses. Also it is invaluable for utilizing old cast-iron pipes which otherwise would be consigned to junk pile.

Easy to put on in any position and even more easily removed. Cheap as the cheapest joint in use and 100 per cent superior.



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Inventor and Patentee.

BATAVIA, - ILL.

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MONTPELIER, VT.—The secretary of the State Horticultural Society has written Mayor F. R. Dawley that the society desires to hold its annual meeting here in November and asking if the city will bear half the expense of the hall for a three days' convention. The society is anxious to hold its annual meeting while the legislature is in session, and there is no doubt that the city council will provide a place of meeting.

Tis True--We Told Meyer and Meyer Told You!

F. W. MEYER,
Riverside Greenhouses,
Box 1, R. F. D. 1.

KALAMAZOO, MICH., July 7, 1908

MOREHEAD MFG. CO., Detroit, Mich.

Dear Sirs:—If the Morehead Return Trap cost ten times what you ask for it, it would be cheap when **Time, Labor** and **Cost of Repairs** are considered, in comparison with the steam pump I had installed before getting your Trap.

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Yours, F. W. MEYER.

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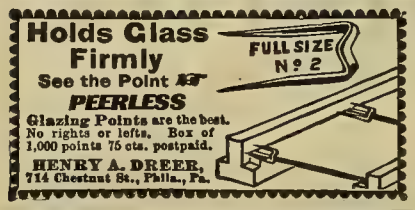
ADMINISTRATION DU **JOURNAL DES ROSES**

a SUISNES, Brie

Par Grisy-Suisnes. (Seineet Marne), FRC

BOSTON, MASS.—Carl R. Pfennig, florist and landscape gardener, died at Jamaica Plain of pneumonia, June 27.

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with and putty, Lasts longer than putty. Easy to apply.



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RANDOLPH & McCLEMENTS, Successors to Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.

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For particulars concerning Hail Insurance, address
JOHN G. ESLER, Secretary,
SADDLE RIVER, N. J.

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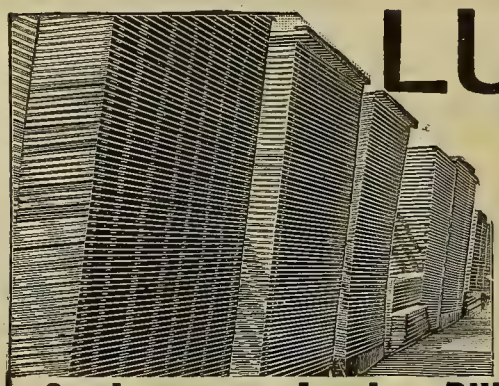
European Horticulture.

FROM THE BRITISH TRADE PAPERS.

CATALPA SYRINGAEFOLIA PULVERULENTA.—A quantity of well-grown, single-stemmed young plants of a very pretty mottled variety of Catalpa syringæfolia, all in 5-inch pots, were staged in Paul & Son's group (from Cheshunt, Herts.) at the Temple show. In reference to this subject, Paul & Son have written as follows respecting this new form: "This is a fixed sport from C. syringæfolia, which originated here. It appears perfectly constant and does not seem to burn. The older leaves are silver spotted; the younger, towards the top, more gold. It should make a fine ornamental tree or a pot plant in the young stage. It is not yet in commerce."

THE SHOWY-FLOWERING CRAB (Pyrus spectabilis).—Our gardens have been enriched of recent years with a variety of beautiful flowering crabs—some wild species, others crosses with the old Siberian crab. Some of these trees are very pretty gains. But, looking over all, and with some experience of them, we doubt if there is a finer thing among them (if as fine) than the tree here named, and the name is quite justified by its handsome effect in flower. It is as hardy and free as the wild crab, and grows in any soil, even in London. It has been very beautiful at Kew lately.



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Send us your Lumber Bill for Our Estimate.
We bought at Manufacturers' Sale over 50,000,000 Feet of all kinds of Lumber and Finishing Material. We are making special concessions, to those who buy at once. Even if you have no use for this lumber at once, it will pay you to buy now. Our prices will save you 30 to 50 per cent.
We cheerfully invite inspection of our Lumber stock and will be glad to have you come to our warehouse and yards at Chicago, see the lumber we are offering, and you will recognize that it is all what we say of it; make your own selection and see it loaded. It is not necessary to come to Chicago; we can easily sell you by mail. We can quickly convince you of the wisdom of placing an order with us. Just send us your lumber bill, and we will easily *"Show You."* On application we will send copies of letters from customers who have bought. They saved money why can't you? Write us to-day. *WE PURCHASED EVERY EXPOSITION, INCLUDING THE $90,000,000 ST. LOUIS WORLDS' FAIR* ASK FOR OUR FREE 500 PAGE CATALOG, No. C. H. 47. IT QUOTES LOW PRICES ON BUILDING MATERIAL, MACHINERY AND FURNITURE.
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Greenhouse Glass
If you want "Best Quality," "Prompt Shipments" at "Lowest Prices" give Hooker a trial.
HOOKER'S
Pure Greenhouse White Paint
White as Snow. Ready for Use.
Tough as Leather
Half Barrels (25 Gals.) per gal., $1.32. 5 Gal. Buckets, per gal., $1.35,
HOOKER'S
Superfine Greenhouse Putty
Absolutely Pure Linseed Oil and Imported Whiting with no adulteration whatever.
In 100-lb. tin lined tubs..... $2.75 per 100 lbs.
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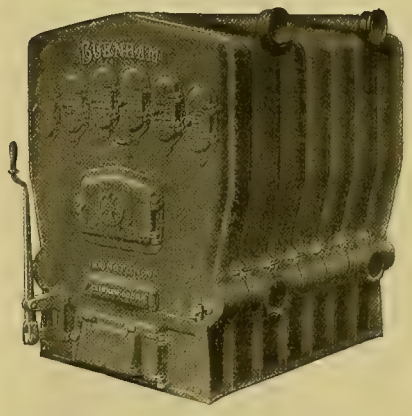
Des Moines, Iowa.
May 19, 1908.

I have been using your **"Burnham"** boiler since 1905, and find it is the best I have used in my ten years experience.

I use Iowa soft coal, and find the heating capacity is greater than you represented.

Yours truly,
(Signed) J. A. LORENZ.

Send for the **New Burnham** Boiler Catalog.



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Des Moines, Ia.

J. S. Wilson, formerly of Vaughan's greenhouses, Western Springs, Ill., arrived here July 4 to assume charge of the greenhouses which he recently purchased. He is now building a new house, 35x235 feet, which is to be planted to carnations.

Wm. Trillow is busy planting his roses and chrysanthemums, besides doing lots of repair work. He reports business as good for the time of year.

Chas. McAniff, formerly manager of Vaughan's greenhouses here, is now foreman at Lozier's greenhouses. T. L.

CORNING, N. Y.—The Corning Floral Co. is the name of a new firm just organized for carrying on a general floral business. Dr. F. H. Starr and Eugene M. Dusinberre, of Geneva, are the two interested partners in the business. They have purchased of W. J. Cheney the greenhouse building on West Pulteney street and removed it to the Reynold's lot near the old location. A new addition will be constructed along modern lines. Mr. Dusinberre has had several years' experience as a nurseryman at Geneva.

Sketches and Estimates on Material for

UP-TO-DATE GREENHOUSES.

Durable, Efficient, Light, Convenient, Inexpensive,

Wood and Iron parts, each in the place where they will best answer the purpose.

HOT BED SASH

Louisiana Cypress. Washington Red Cedar.

A. DIETSCH CO., 617 Sheffield Ave., **Chicago**

Louisiana Red Cypress

As described by Wagner Park Conservatories, Sidney, Ohio.

SIDNEY, OHIO, Feb. 9, 1907.

Gentlemen:—"Replying to your favor of 6th will say we **use nothing but Cypress** in the construction of our greenhouses as we **find it the most economical on account of it outlasting other kinds of wood.**"

IT IS THE MOST DURABLE WOOD KNOWN. Ask about it at your local lumber yard or write

LOUISIANA RED CYPRESS CO. HIBERNIA BUILDING, **New Orleans, La.**

Washington.

A meeting of the Florists' Club was held at the greenhouses of F. H. Kramer, in Anacostia, July 7, at which it was decided to hold a picnic to Great Falls, a 4-day chrysanthemum show, beginning November 9 and a trip to Niagara Falls over the Black Diamond route August 17. Dinner was served and the evening was enlivened by musical renditions. The feature of the dinner was the serving of the wines from small flower pots. Banjo solos and music by a local quartet were enjoyed by those present.

Mr. Kramer presided at the dinner and delivered an address of welcome to those present, in which he spoke of the future of the club and of the prospects for the next show. The following committee was selected to arrange for the flower show: George Cooke, W. F. Gude, Geo. Shaffer, Chas. McCauley. Z. D. Blackistone and Chas. McCauley were selected to make the plans for the picnic to Great Falls.

Cincinnati.

FUNERAL WORK ONLY.

People will send flowers to funerals and as long as this custom prevails there will always be something doing no matter if the thermometer does register 90° in the shade. This remark was made by our old friend Bob Kelly last week and is as true as gospel. Outside of funeral work there is very little doing at present and probably it is just as well for stock is showing the effects of the hot weather. Carnations will be within a week or 10 days a thing of the past and the less said about them the better. Gus Meier has been sending some exceptionally good roses to the market which have met with a ready sale. The Ohio Cut Flower Co. is in with a nice cut of Lilium auratum and L. longiflorum which are sold in advance. P. O. Coblentz of New Madison is sending his famous gladioli to Charley Critchell. The quality of these flowers is simply superb and the writer doubts very much if they can be excelled anywhere. These are about all the flowers received at the present writing that are worth mentioning. Sweet peas are about over and the hot dry weather has retarded the growth of all other outdoor stock. Green goods of all kinds are over plentiful with not much demand.

NOTES.

At the monthly meeting of the Florists' Society Saturday night it was unanimously decided to invite the Society of American Florists to hold the next convention in our city. E. G. Gillette was appointed to deliver the speech inviting the members and was also indorsed by the Florists' Society for the next vice-president of the S. A. F. The outing committee reported progress and Ben George, as chairman of this committee, addressed the members stating that people are asking for tickets who never did so before, and impressed all present to buy their tickets from the committee as the society does not get any benefit from the tickets sold by the Coney Island Co. J. W. Rodgers presented the name of J. Chas. McCullough for membership. The rules were suspended and Mr. McCullough was unanimously elected. Keep up the good work. There being no further business the meeting adjourned.

B. Eschner, representing M. Rice & Co., Philadelphia, Pa., was present and he gave us a nice line of talk stating among other things that in his travels he came in contact with a great number of florists who would be delighted to come to this city for the twenty-fifth annual convention and he was quite sure that we would not have any trouble in securing the next meeting. Florists hereabouts, or to be more specific those wishing to attend the convention at Niagara Falls, are very fortunate, being able to obtain a round trip ticket for $7. There will be an excursion leave here about August 15, and those wishing to go can take advantage of the cheap rate, if so inclined.

J. F. Pogur has purchased the store of the Huntsman Floral Co. at 609 Walnut street. Mr. Pogur has been manager of this store for some time, is a good hustler and no doubt will be successful as this is one of the best locations to be had in this city. S.

VAILGATE, N. Y.—Joseph Dunn was the victim of a robbery July 7. The robbers opened a trunk and stole $22 in cash. Two men who had recently been employed by him, are suspected. Besides the cash stolen, which was in silver, the thieves secured two coats and two pairs of trousers.

They Have Extremely Light Framing

and the lighter the framing, the lighter the house, and that means less care and more blooms.

They are the strongest, simplest, most durable and attractive houses built, and cost less to maintain.

The ideal construction for private estates, parks, public institutions and florists' showrooms

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Vol. XXX **CHICAGO AND NEW YORK, JULY 25, 1908.** **No. 1051**

THE AMERICAN FLORIST

TWENTY-THIRD YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—FRANK H. TRAENDLY, New York, Pres.; W. N. RUDD, Morgan Park, Ill., Secy.; H. B. BEATTY, Pittsburg, Pa., Treas. Next meeting at Niagara Falls, N. Y., August 18-21, 1908.

TRADE EXHIBITION MANAGER—Chas. H. Keitsch 210 Main St., Buffalo, N. Y.

THE NATIONAL FLOWER SHOW.

CHICAGO, November 6-14, 1908.

Wm. F. Kasting, Buffalo, N. Y., is chairman of the general committee in charge. Chairmen of sub-committees follow:

EXECUTIVE AND FINANCE—Wm. F. Kasting, Buffalo, N. Y.

AMERICAN EXHIBITS—Ph. Breitmeyer, Detroit.

FOREIGN EXHIBITS—E. G. Hill, Richmond, Ind.

PREMIUM LIST—W. N. Rudd, Morgan Park, Ill.

ADVERTISING AND PUBLICITY— Geo. Asmus, Chicago.

LOCAL MANAGEMENT, PRIVILEGES AND CONSESSIONS—J. C. Vaughan, Chicago.

SPECIAL FEATURES—Otto G. Koenig, 6471 Florisant Ave., St. Louis, Mo.

RECEPTION—Aug. Poehlmann, Morton Grove, Ill.

AUDITING—J. A. Valentine, Denver, Colo.

TREASURER—I. C. Bertermann, Indianapolis, Ind.

The above chairmen have power to select their Various committees from the general committee of 50 or the members of the S. A. F. at large.

THE AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Annual convention at the twin cities, St Paul and Minneapolis, Minn , August 11-14, 1908. JOHN F. COWELL, Buffalo, N. Y., president; F. L. MULFORD, Harrisburg, Pa., secretary-treasurer.

Crocus Gathering.

Come, gather the crocus-cups with me,
And dream of the summer coming;
Saffron and purple and snowy white,
All awake to the first bee's humming.

The white is there for the maiden-heart,
And the purple is there for sorrow;
The saffron is there for the true, true love
And they'll all be dead to-morrow.

—SEBASTIAN EVANS.

SUGGESTIONS FOR CUT FLOWER GROWERS.

Forget-Me-Nots.

It is not too late to make a sowing of forget-me-nots if this has been neglected so far, but no more time must be lost. Get seed of a good strain and sow in a cool frame or outside, covering the seed lightly. Prick the young seedlings out, as soon as they are large enough to handle, in a cool frame two inches apart. Give them the full air right along to keep the plants dwarf and stocky. All this class of stock transplants best if pricked into a frame or protector with a hard, concreted bottom, as they lift with good balls. Plants of this description may be kept in the frames until the early chrysanthemums are over, when they may be benched and treated to a similar temperature to violets and pansies.

Lilies.

The cultural treatment for one batch of lilies is to a great extent the same as for another, but just now and for the next few months is a busy time if flowers are wanted from Christmas on. It is unnecessary to use deep flats or pots when growing for cut flowers. Flats three inches deep will do, and the bulbs may be planted from five to six inches from center to center. Sandy, fibrous loam with a little well-decayed manure will do for compost, and the bulbs should be planted with the points just out of the soil. Give one good soaking of water to settle the soil around the bulbs and place the flats in a cool house, under the benches or anywhere away from the light. If placed outside, a little ashes or some other covering should be used. The bulbs may remain for about six weeks, when probably some signs of growth will appear, and they must be taken to the greenhouses and stood on a light bench to grow on.

Cattleyas

Many of the summer flowering cattleyas will make a second growth now, and whether they flower on this or not, it is important that the growth is made in a good light, only sufficiently shaded to prevent injury to the leaves. Where the plants are attached to shelves or stages they cannot, of course, be moved, but if grown in pots, give C. Mossiæ the benefit of the best position in the house, in company with C. aurea, C. gigas and any others that may be growing. The growth on C. Trianæ will by now be finished, and the plants must be kept as quiet as possible. They must not be over-dried at the root, as this often defeats the end in view and causes them to push into growth as soon as water is again supplied. The embryo flowers are forming in the sheaths and just enough moisture to prevent any check to these is all that is needed. When spraying see that no water lays around the base of the sheath, especially on any plants of which the growth is not quite finished.

Notes on Planting.

The operation of planting is so simple that, on the surface, there would appear to be little that need be said about it, but there are right and wrong methods of planting as there are of most other cultural details. Say a bench of chrysanthemums or roses is to be planted. It is wrong to lay out a lot of plants to dry up on a hot day before the planters get to them. The help should be so arranged that the planters about keep up with the men who are carrying the plants, and, as soon as planted, the bench should be watered or sprayed to keep the plants from wilting. The condition of the stock as to root moisture when planting out is easily known, though not so easily described. A very dry state of the compost tends to wilting and is dangerous, while if the soil is very wet in the pots the balls slide about and it is difficult to firm them properly. We have frequently called attention to the necessity for firm planting. Plants that are very loosely set may make a quick growth at the start, but it is not the class of growth wanted for continued health and free flowering. Plants in a firm soil make a comparatively slow but solid, vigorous growth, and this is the kind wanted. As to the distance for planting various crops, there is certainly a disposition among experienced growers to plant farther apart, especially in the case of roses and other plants that are a long time on the benches. In this connection we may say that growers who have found their plants too close owing to good culture will be wise to give them more room. But we have been in houses

where, even when planted at the ordinary distance, the plants barely covered the benches. It amounts to this, that the better the culture, the wider the plants may be kept apart, and a rose like American Beauty, where it is necessary to get good stems, must have plenty of room. Carnations of some varieties make much more grass than others, and therefore need more room, and are, incidentally, less profitable. It is entirely a matter of circumstances, but in all cases avoid overcrowding.

Pansies.

New pansy seed is now offered, and where there is a demand for cut pansies in winter seed may be sown as soon as procurable. Clear a sufficient space on a bench in a cool house or sow in flats, according to how many are needed. The soil in bench or flats should be well soaked with water and allowed to drip a little. Then sow the seed thinly and cover with only a very thin sprinkling of light, sandy soil. Cover with a mat or board until the seed germinates, but be careful to remove this at once when the plants appear. Treated this way, pansy seed germinates very rapidly, and the resulting plants may be pricked out in frames, where they will be ready for transplanting to the benches as needed. This sowing will give plants for winter flowering, and others for succession may be raised by sowing at intervals during the next two months. The best position for pansies to flower in winter and early spring is on a bench in a light, sunny house as close to the roof as possible, and where ample ventilation can be secured to keep the temperature low.

Violets.

The field plants are making a very vigorous growth this season, and the aim of the grower now should be to secure fine individual crowns rather than a big, sprawling plant. The runners should not be allowed to root all around the plant, but kept cut off frequently with a sharp knife, not pulled out by hand. The single varieties are more difficult to keep in track than the doubles, but all need attention. Marie Louise and kindred varieties are absolutely useless if the runners are allowed to take charge and starve the center crowns. The singles are more free-flowering in the younger growth. The former have only about another month's growth to make in the field, as they should be in the benches at least by the first week in September, so attend to them well for cultivation now. Plants that have been grown on inside, as advised recently, should be kept as cool as possible, and the soil frequently stirred. Avoid over-watering and do not feed the plants yet, unless the soil is very poor. The buds will soon be forming and every endeavor must be made to have the benches absolutely free of insects of all kinds before the flowers open. Spray carefully underneath the foliage, using cold water freely and often, rather than relying on insecticides. Avoid a very moist atmosphere at night even now, though, of course, this is not so harmful as later in the season.

WASHINGTON, D. C.—Mrs. Anna Cammack-Hardesty, daughter of the late John Cammack, one of the few florists who have died worth a million, refuses to contest her father's will, on the grounds of not wanting the notoriety, though it would, if her plea was successful, net her $1,000,000.

THE CARNATION.

KEEP the weeds down, not only on but under the benches.

WHITE PERFECTION is more than holding its own as a summer carnation.

GROWERS have been looking for just such a carnation as Lawson-Enchantress. The name is descriptive, though rather clumsy, as it is an Enchantress flower and habit with the color of Lawson.

Plants in the Field.

The field plants require particular attention just now. First the work of topping or pinching back the shoots must be regularly attended to so as to insure for planting time a symmetrical, well balanced plant. All varieties will not stand the same treatment as regards topping and do their best. Some can be topped closer, later and more often than others. The difference in the growth and habit of the variety under consideration should be studied. Take as examples the scarlet variety, Cardinal, and the white Lady Bountiful. All varieties possessing a character of growth similar to these should be very little pinched. All that is necessary is to keep any shoots that are starting to lengthen out to flower topped back and then not too close back to the body of the plant. Varieties of the Lawson type will stand being pinched closer but even with this style it ought not to be practiced too heavily. The Lawson varieties are among the easiest to keep in trim owing to their tendency to make a short growth which generally carries a bud. By removing these buds the plants can usually be kept in right condition. Next we have the quick growing varieties of the Enchantress style of growth which, if not kept regularly attended to, will very quickly get out of shape. Enchantress and its sports will stand much closer and later topping and be the better for it than any other varieties we know.

Regarding the question of how late such and such a variety may be topped we find that when the plant has attained a fair size and will be planted inside by September 1, it is best if very little topping is done after the first week in August on any varieties with the short stocky habit of growth. When these are subjected to close pinching after this it throws the crop of blooms very late. Enchantress can be topped much later if needed to keep them back but with us we always find flowers from this variety welcome as early as they will come in good shape and, as this variety has them all beaten as to quality on early blooms, we usually stop topping about August 15. Other necessary work connected with field culture is to keep the land regularly cultivated and free of weeds. A crop of weeds allowed to get beyond control will be double trouble to remove, not taking into account the dam-

DESIGN BY J. H. SMALL & SONS, NEW YORK, FOR GROVER CLEVELAND'S FUNERAL.

From the Brazilian Minister: Orchids and Cycas Leaves.

age to the plants. These hot, dry days we are tempted to start watering on the field grown carnations but wherever it is possible to keep the ground in any kind of shape by cultivating our past experience tells us that it is best for the plants if no water is applied other than the rains. Larger plants will result through outside waterings but we have always found that they lack that hardy constitution noticeable in those that have been kept in condition by frequent cultivation and not any artificial watering.

C. W. JOHNSON.

Carnations Going Sleepy.

ED. AMERICAN FLORIST:—

We are having some trouble with our carnations going to sleep and not keeping well. This is unusual at this time of the year with us and we can hardly account for it. During the winter season we lost a few and we thought they would be all right again when the bright weather came, but they are still going to sleep. The plants are looking healthy and have done well all the season. We have picked more flowers than ever before and they have stood up on good stiff stems and have apparently been better than usual, except that some of them will go to sleep. We have been very careful with the watering and the ventilators have been open all the time it was possible to have them open. Do you think the trouble would be in the soil? We have been using half of the old soil, just taking the top half out and filling up with new, mixed with a small amount of manure and a very thin sprinkling of bonemeal. This has been repeated on some benches for four or five years but the stock has apparently done as well on these benches as where all new soil was used and last year all but three or four benches were done in this way. L.

"L" does not state whether any extra manure or sprinklings of bonemeal have been applied since planting time. Any fertilizer put into the soil at planting will have become exhausted before this and would not be the cause of sleepy flowers. If the weather in "L's" locality is anything like it is here it will be well nigh impossible to prevent carnation flowers from becoming sleepy owing to the heat. Poor keeping qualities of carnation flowers can be traced to an excess of nitrogen as one of the primary causes. In the fall of the year, when the plants are growing rapidly, drawing nourishment from the soil at a rapid pace during the clear ideal growing days, it is very difficult to ship carnation blooms any distance without them going to sleep. But after being in the soil for a whole season we should judge the cause of sleepy flowers to be from exhaustion through heat.

C. W. JOHNSON.

Fleas in Smilax House.

ED. AMERICAN FLORIST:—

We are troubled with fleas in our smilax house which appear to feed on the young plants, destroying them. The fleas appear with the hot weather, and this is the second year we have been troubled with them.

Iowa. J. B.

The presence of fleas in the smilax house may be due to allowing animals access at some time or possibly by the introduction of manure in which dead animals have been thrown, or parts of them. The best method of destroying these insects is by fumigating with hydrocyanic acid gas, as fully described in our issue of May 23, 1908, page 877.

THE RETAIL TRADE

Designs by J. H. Small & Sons, New York.

The accompanying illustrations are of designs executed at the New York store of J. H. Small & Sons for the funeral of ex-President Grover Cleveland. They were the tributes of high officials and the people of Brazil. Though the photographs were of the most perfect specimens of the art, they fall short of conveying an adequate conception of the beauty of these designs.

DESIGN BY J. H. SMALL & SONS, NEW YORK, FOR GROVER CLEVELAND'S FUNERAL

Tribute of Respect from the Brazilian Nation: Orchids, Lily of the Valley and White Lilies.

The wreath of cycas and cattleyas over a foundation of leucothoe is a simple but very effective piece of work. It bore on the ribbon the words: "Homage of Baron de Rio Broxico, Brazilian minister for foreign affairs." That of lily of the valley, roses and Lilium longiflorum was from the Brazilian people and the ribbon inscription read: "Tribute of respect from the Brazilian nation."

Wreath of Mrs. Marshall Field Roses.

The illustration on page 1304 shows a beautiful wreath of Mrs. Marshall Field roses over bronze galax, with maidenhair fern used as green. It is the work of that clever decorator, C. A. Schnell, who had charge of this work for John Mangel, Chicago. Incidentally, it also shows what a fine rose this is for make-up work when handled properly by an experienced decorator.

Pond Lilies.

What more refreshing in floral decoration for the table than the pink pond lilies which a noted florist has brought to such perfection that the lily of the woods, so purely white, might well be jealous of these blushing beauties. From palest rose to the deepest carmine are these exquisite blooms, resting among fronds of maidenhair fern. No flowers of the season may compete with the pond lily, for it embodies repose, fragrance, purity, coolness, as well as color.—Boston Herald.

Bouvardia Culture.

ED. AMERICAN FLORIST:—

Please inform me how to grow bouvardias. A. V. B.

We can hardly give the culture of a plant of this kind in answer to a query, especially as it has had a good deal of space devoted to it in our "Suggestions for Cut Flower Growers" that appear biweekly. We refer you to these in back issues but may say briefly that bouvardias are grown from cuttings rooted early in the year and the plants grown on until May or June, according to the locality, when they are planted outside to make a good summer growth, lifted in fall and placed on benches in a cool house. Cool treatment all through and constant picking off of the flowers as they appear is the summer culture. If you have no stock you should purchase some at once but as it is so late in the season you would be well advised to plant on benches in a cool house rather than outside.

G.

THE ROSE.

LOOK out for manetti suckers on the young grafted rose stock and remove them at once.

CUT out any mildew-infested plants at once, as such benches as these are on are seldom profitable now.

GRAFTED stock of Bride and Bridesmaid is more affected by mildew than own-root plants, according to a very well known grower.

MY MARYLAND is evidently a very fine grower. Notwithstanding the hot weather, it has been making splendid new canes wherever noted this season.

CAREFUL cultivators do not wait for signs of injury in the foliage of their plants before altering unsuitable treatment. They watch them too closely for that to occur.

Mrs. Marshall Field.

This fine rose is well maintaining its character as an excellent summer variety. The color is a beautiful rosy pink on the inside of the petals, and it improves as it opens, like the well-known Killarney. At Peter Reinberg's plant it is flowering freely and well, yet notwithstanding the number sent into the wholesale store in Chicago and the dull state of trade generally the flowers are all cleared out by 9 a. m. It is deliciously fragrant and, even in the shortest grades, is splendid for make-up work. It is grown both on its own roots and grafted, but the grafted stock is preferred. It has evidently come to stay as a good summer rose.

Notes in Season.

By the middle of July the young rose stock should be making considerable growth and should receive careful attention daily, as to watering. The soil should be kept in a moist condition using just what water the soil will absorb from day to day, that is, the soil should be in a condition to take water every bright day. Never allow the soil to become soggy or to get extremely dry. We have seen a very promising lot of plants devoured at the roots by eel worms or, in other words, an incurable case of club root brought on by allowing the soil to become too dry. Own root stock is very susceptible to club root and will require more care in watering than the stock grafted on manetti.

Cultivating must be attended to every week and now that the plants are sending up many buds, a great deal of time will be consumed in disbudding. We usually remove the buds when about the size of the tip of the little finger or when the foliage is nearly ripened below the bud, cutting back to a firm eye. To do this very often three or four joints must be removed, but to insure a clean, vigorous growth, this method of disbudding must be strictly adhered to. In order to properly look after the disbudding it is a good plan to go over the plants twice a week. Where grafted stock has been planted, very often a shoot will spring from the manetti and the plants should be gone over carefully, removing these shoots before disbudding. In these separate operations none will be missed and as these suckers retard the growth of the young plants very much they should be removed as soon as they make their appearance, removing them cleanly as close to the bark as possible. Snapping them off even with the soil will only check the growth for a short time. Should a novice be given the job of removing the manetti shoots in a house planted to Richmond he would probably remove some of the strong canes from flowering wood as they have the same appearance as the manetti at a certain stage of growth. Of course there is a great difference to the trained eye, so it would be advisable to have one man familiar with this work attend to it.

In disbudding American Beauty do not remove the buds until they begin to show some color then the bud can be removed taking two or three eyes away with the buds. Keep the plants clean removing decaying or spotted foliage as soon as it makes its appearance. Keep the walks clean and a frequent sprinkling of air slacked lime under the tables and on the walks is a great help in warding off black spot during a cloudy or rainy spell of weather. The watering can be reduced somewhat, the foliage kept dry and a dusting of grape dust over the foliage with the powder gun will be in order, to prevent mildew. This is also a good time to get the roof in good shape, as a little later more time will have to be devoted to the stock. Look over the heating apparatus and the piping. Perhaps there was a house that could not be kept up to the mark during severe weather last winter, or there may have been a bench that could have been benefited by a little bottom heat. Don't let these little things go by until the last minute. Did any of the growers have to replace grate bars when there was a risk in having the houses run cold before the necessary repairs were made? It pays to look after these things in the good old summer time. Don't forget to attend to the fumigating when a cool night rolls around. E.

WREATH OF MRS MARSHALL FIELD ROSES.
By John Mangel, Chicago.

Black Spot on Richmond.

ED. AMERICAN FLORIST:—

I have a house planted to American Beauty and Richmond roses, bought stock, and they have quite a lot of black spot. What is the cause and remedy? The temperature on the average days is 100°, nights, 70°. The floor is entirely cemented, with depressions to hold water. Is standing water at this season of the year bad for the roses at night and would it be best to drain off every afternoon?

G. T.

Possibly the plants had some spot in them when you received them and the amount of moisture given has doubtless increased this. Try running them a little dryer and remove all spotted leaves. Have no water standing about in the house at night and only spray sufficiently to keep the plants plump and prevent burning. Many growers are spraying much less than they were formerly in the habit of doing, considering that when overdone it robs the foliage of a natural protection against insects and fungus. Probably it is impossible to keep them cooler now but later on 70° by night is much too high for roses. G.

Mixing Rose Soil.

ED. AMERICAN FLORIST:—

What is the proper way to mix rose soil? W. H. N.

This subject was discussed in our issue of April 25, page 662, which see.

Lifting and Replanting Roses.

ED. AMERICAN FLORIST:—

In lifting and replanting old rose plants should they be watered before or after planting? S. B. J.

If the plants are really dry they should be watered the day before lifting, but if in the usual semi-moist condition it is better to plant them first and water thoroughly afterwards.

G.

Mildew in Roses.

ED. AMERICAN FLORIST:—

My roses do well with the exception that they are covered with mildew. I spray twice daily, early in the morning and at 4 p. m., as I do not care to spray in the hottest part of the day. I always spray once a week in dull weather. I do not think mildew comes from moisture, but the air. I am not certain about this and want to find out. At this time of year I throw the ventilators wide open. The varieties grown are Bride, Bridesmaid, Liberty, Golden Gate and Ivory. Please give me your opinion.

S. B. J.

You are right in thinking that mildew is in the air, as doubtless the spores are carried this way, but, unless these find a congenial home and suitable conditions for their propagation, they can do no harm, and a moist and cool atmosphere, caused by spraying in dull weather or by the leaves remaining wet over night, produces these conditions. As to spraying in the middle of the day this is necessary in hot weather, especially for young stock; otherwise the plants would wilt under the hot sun in some cases. But when mildew once gets a hold on the plants no amount of care will prevent it from spreading unless the house is fumigated with sulphur. It is usual to heat the pipes well on a cool night and paint these with a sulphur paste as has frequently been described in these columns. Experiments have been made with dilute sulphuric acid spray, but the results so far are not conclusive and the best method of destroying mildew practiced by growers is sulphuring the pipes. Another season take this in hand directly the first signs of mildew appear and never under any circumstance spray roses in dull or wet weather. It is useless and dangerous. G.

STURGEON BAY, WIS.—The State Horticultural Society will meet here August 26-27.

BENTON HARBOR, MICH.—The Pullen greenhouse has been shut down. The place was well conducted and the proprietors had an excellent trade but the business did not warrant further investment, which was necessary for an up-to-date greenhouse establishment.

MARION, IND.—Gunnar Tielman has been appointed head gardener at the Mountain Branch soldiers' home at Johnson City, Tenn., and leaves to take up his new duties August 1. He will endeavor to sell his business here, but if unsuccessful in this he will leave it in charge of W. E. Slack as manager. Mr. Slack has been in Mr. Tielman's employ eight years already.

THE VIOLET.

KEEP the soil cultivated around Marie Louise and other violets that are kept indoors.

KEEP the runners cut out regularly from the field plants to help form strong crowns. Use a sharp knife and be careful not to injure the plants.

THE value of soot as a fungicide, insecticide and fertilizing agent to violets is not nearly as much appreciated as it ought to be. It helps the color of the foliage and, unless used too fresh, can do no harm.

The Violet Industry of Rhinebeck.

SUMMER CULTURE.

Departing from the generally accepted theory that violets should be grown in the field in summer, the Rhinebeck growers plant directly from the sand to the beds. The old top soil is removed to the depth of 10 or 12 inches and the bottom loosened up with a spade or small hand plough. A sprinkling of lime is then thrown on. Some growers first fill in with fresh soil, carefully spreading on the manure later, and spading it in; others prepare and mix their compost outside. Most of the manure used in Rhinebeck violet growing comes from New York by rail, the cost, delivered at Rhinebeck, being not less than $2 per ton. In some instances, wood ashes in small quantities are used in the compost.

Long before planting time the houses have been shaded, the south sides usually receiving a light coat about the middle of February, but about planting time additional shading is put on, the north side also receiving a coat. From the planting time forward, the beds are frequently gone over, the soil loosened, the runners cut out, and a careful watch kept for insects and disease, as there is no immunity from either. Watering from this time on is, as a matter of course, a very important factor. The plants are set in the beds eight and nine inches apart.

There is no fixed rule for a width of bed. In some houses there are side beds 10 feet wide. Over such, to facilitate the care of the plant and picking, a strong board with small wheels attached, is run on a track, the workman moving himself along on the board as the work progresses. In many of the houses the walks are concrete; in others coal ashes are used. Through the summer the ventilators, as a rule, are wide open, though, some good growers believe that a strong draught of hot air, even though it comes from the top, is injurious to the plants. Growers who are near the river, where heavy fogs are more prevalent, are careful to close their ventilators when the fogs come up as they believe them very injurious.

On the question of side ventilation for the houses, William C. Akert, of Akert & Brown, successful growers, has this to say: "When we started violet growing we thought side ventilation would be a great benefit, and tried it. After a fair test we became convinced that the draughts engendered were decidedly injurious to the plants, so we cut off side ventilation entirely and have had better results. From my experience, I am satisfied, that violet houses should be ventilated only from the ridge." Mr. Akert, who is of a mechanical temperament, has invented a syringing nozzle that is much more effective than the common nozzle, in getting the water on the underside of the foliage to kill red spider. Mr. Ackert is also in accord with many good growers in other lines than violets, when he says that in manuring care should be taken not to overdo it.

As a rule, the growers are careful to remove the soil every year, but there are instances where good stock has been grown on the same soil the second year. Alvah Bishop, who has grown violets successfully for eight years, says, that while he does not advocate the practice, he has grown good stock on second year soil and would not be afraid of results in doing it again providing the soil had never previously been in a greenhouse. Mr. Bishop comes out strong on the point, that it is careful and painstaking attention to the little things, or details of the business that makes the successful violet grower.

A TYPICAL RHINEBECK VIOLET RANGE.

As no mention has hitherto been made in this article, of drainage for the beds, it may be stated that the matter of drainage gives to Rhinebeck growers but little concern, as natural conditions seem to be almost perfect in that respect. The top soil is friable and porous while the underlying strata are mostly sand and gravel. About the only work necessary along that line, is the already mentioned loosening up of the bottom before the compost is put in.

Smoking with tobacco stems is about obsolete with the Rhinebeck growers, hydrocyanic acid gas being generally resorted to as a means of fumigation. They add their testimony as to what has already been frequently said and written on this matter, that the work should be done in a cautious and careful manner.

Granted that the Rhinebeck growers have a favorable combination of soil and climate, there remains the fact, that much of their success is due to painstaking industry. Jules Von der Linden, who has the largest and best equipped range in Rhinebeck says, that it is "work, work and more work" that does it. This year Mr. Von der Linden sterilized all the manure used in his compost and thus far is very well satisfied with results, though he does not claim that sterilization is a panacea for all the ills that literally and figuratively, creep into violet houses.

He has one house that is 35x200 feet, his whole glass area being 50,000 square feet. One of his ranges is located at Stattsburg, a town adjacent to Rhinebeck, and his glass area is about equally divided between the two places. His houses are well fitted up, concrete being used in the boiler and packing rooms and in the walks. The only artificial drainage noticed in a round of the various ranges, was at this place, where is a small house of Swanley White violets; the plants are on raised benches with tiling in the bottom.

The office and relative facilities at the Von der Linden range, as well as the growing end of the business, are all thoroughly modern and up-to-date. A young man, Mr. Von der Linden, has imparted the enthusiasm of youth to the conduct of his business and has made a study of the various methods followed by successful gardeners and florists.

Planting Single Violets.

ED. AMERICAN FLORIST:

I want to grow some single violets in a 10-foot house, running east and west. Would they do best on raised benches about two feet from the eaves or lower down? When is the best time to plant? My plants are now in the field. A.

The violets may be planted at any time the houses are ready after the end of August. Sometimes it is advisable to wait for a good rain before lifting the plants from the field, but it is not well to wait after the middle of September, provided, of course, the plants can be handled. The nearer the plants are to the glass, in reason, the better. Two feet would be a good distance and the plants do well on raised or solid benches.

G.

MOUNT VERNON, ILL.—A. N. Chivieron, a truck gardener, shot John S. Thomas Pickett with a gun July 11, the victim dying shortly afterward. Pickett was acting as peacemaker between Chivieron and Henry Goddar, an employe, in a dispute over wages. Pickett came from Chicago. Chivieron is in jail.

WITH THE GROWERS

Peter Reinberg, Chicago.

We have frequently described the immense plant of Peter Reinberg, Chicago, and our readers are well aware of the vast quantity and excellent quality of the stock grown here, and in this note we do not propose giving figures or quantities, but to describe a few of the more interesting points noted on a recent visit. First of all was a very pleasant trip to the new plant a mile or two north of the Robey street houses with Leonard Kill for pilot in his fine automobile. Here Mr. Reinberg has secured 40 acres of choice level land, where, apparently, no grading whatever is needed, the houses being built just on the natural soil.

Anton C. Zvolanek, Boundbrook, N. J.

The carnations in the eight new houses built last year were so satisfactory that three others 27½x300 feet are being built this season, and all will be planted to the popular market varieties, of which some 90,000 field plants will be necessary. This is certainly an elegant range, and as the plants in the field look remarkably well this season, there is every prospect of a very fine show there. The benches for the new houses are built on the ground before the roofs are put on. They are built of pecky cypress, from the Adam Schillo Lumber Co., Chicago, but in place of the 2x3s usually used as supports, second-hand pipes are run along, and thus an excellent and lasting support is provided. Two boilers 18 feet long by 60 inches are used, and these will run the new houses as well as those built last year. A Morehead steam trap is used, and it is worthy of note that there are 22 of these excellent devices in use altogether on the plant, a pretty good testimonial to their worth. A large tank has been provided close to the boilers for liquid manure, but this is at present used for mixing up whitewash for the benches. The old plants are being thrown out and the benches being refilled ready for planting. It does not need much foresight to see here the nucleus of a new and greatly enlarged plant, especially as the property on Robey street is increasing in value so rapidly as to almost prohibit any more greenhouse building there.

MRS. MARSHALL FIELD ROSE.

In looking through the rose houses we were surprised at the enormous number of plants of Mrs. Marshall Field, and a question to Foreman Geo. Collins led to the information that no less than 27,000 of this fine rose have already been benched this season. It appears to be an excellent all-the-year-round variety and stands the hot weather well. In this respect it rivals the well-known Kaiserin, while in winter it is in the Killarney class. A great point in its favor is that it is never attacked by mildew, neither on the own-root or grafted plants. So far the stock of this rose has been kept in Mr. Reinberg's hands, but we believe it is to be disseminated next season, and it is safe to predict for it a great sale. The sale of pot roses here has been very brisk of late, over 50,000 having been sent out within the last few weeks. There is still a fine lot of 2½-inch stock, among which we noted very promising-looking Bride, Bridesmaid and Sunrise.

Among the newly planted roses are nine houses of American Beauty, the plants looking remarkably well and producing many fine, vigorous shoots. Uncle John is a great favorite here, and the plants are making a splendid growth, with the large, vigorous canes characteristic of this variety. Perle is also excellent, and this variety, Bride and Uncle John are already being cut in considerable numbers from the young stock.

My Maryland is evidently going to be a grand grower. The plants here are full of fine, healthy-looking shoots, clean and vigorous, with splendid foliage, and this has been its form wherever we have seen it so far this season. Queen Beatrice is also looking remarkably well and the flowering of these two fine new roses will be looked forward to with interest. Mme. Chatenay is largely planted and the plants are very fine. Whole houses of various roses are being cut back for holding over, and many benches are being mulched with cow manure. In all cases both the newly planted stock and the older transplanted plants are making a good growth and will soon be flowering. Chrysanthemums in all the popular varieties look well, but these are not so much a specialty here as roses and carnations. About 13,000 have been benched so far. Quite a large section is devoted to Asparagus plumosus, which has been a very profitable and good crop this season. Most of the benches have now been cut hard back and rested, and the top soil is being removed and the plants top-dressed with rich soil to give them a good start for fall and winter gathering.

Anton C. Zvolanek, Bound Brook, N. J.

Though yet a comparatively young man, Anton C. Zvolanek at his Greenbrook greenhouses, Boundbrook, N. J., has built up an enduring and world-wide reputation as an originator and grower of sweet peas. Being thoroughly in love with his chosen profession, Mr. Zvolanek has given it his undivided attention and his success is well attested by the orders that come to him for seed from the countries of Europe, the British Isles, Australia and New Zealand. He has also an extensive correspondence with leading growers of these countries, who have become interested in the fine varieties he has sent out and who, like Oliver Twist, want more.

Born in the town of Kusenbuck, Bo-

Sweet Pea Mrs. Alex. Wallace, Lavender.

hemia, in 1862, the son of a farmer, the interest of the boy in horticulture was first awakened by the instructions of his teacher relative to growing sweet peas in the school garden of his native town. Though now thoroughly American in his aims and sentiments, to his honor be it said, Mr. Zvolanek cherishes with fond recollections the place of his birth and the little school house. He came to this country, landing in New York, in 1888, and for several years he worked in horticultural establishments adjacent to the metropolis. In 1900 he leased a range and started in business for himself at Grand View, N. J., and there laid the foundation of his present successful business. About two years ago he bought a tract of land about 40 acres in extent at Boundbrook and erected five greenhouses, comprising 18,000 square feet of glass. There we now find him, not only as the skilled horticulturist, but as the dutiful husband and father and genial host. His family consists of a wife and three sons. Mrs. Zvolanek is the impersonification of good housekeeping, and the boys are being trained in the noble art of horticulture.

The new varieties which Mr. Zvolanek will disseminate this year are Mrs. W. W. Smalley, Miss Helen M. Gould and Mrs. Geo. Lewis. The variety Mrs. W. W. Smalley is a very distinct and attractive shade of pink, the plants being strong and prolific. Miss Helen M. Gould is a beautiful pink and white variegation, besides possessing the other necessary qualifications of a first-class commercial sweet pea. Mrs. Geo. Lewis is possibly destined to become the most noted of these three, a very free bloomer. It is pure white, of the orchid-flowering variety, and is remarkable for the size of bloom and length of stems. The average stem of this variety is 14 inches and there are instances where it has reached a length of from 24 to 26 inches. It is now in its fifth year, has been thoroughly tested and the blooms are much in demand by the leading retailers of New York, as are also the other fine varieties originated by Mr. Zvolanek. In addition to those already named he originated the varieties Mrs. Chas. H. Totty, Mrs. William Sim, Mrs. Alexander Wallace, Mrs. F. J. Delansky, Mrs. Eckford, King Edward, Lady Grisel Hamilton and others. From seed sown September 15, 1907, of Mrs. Geo. Lewis and other varieties fine blooms were being cut January 1 of this year. The following extract from a circular recently issued to the trade by Mr. Zvolanek tersely embodies his views on sweet pea and chrysanthemum culture.

HOW TO MAKE SWEET PEAS PAY.

"I always recommend to raise sweet peas and chrysanthemums to make the most profit. After the chrysanthemums are cut nothing will pay better than winter sweet peas. Clean the house of early chrysanthemums October 20. Sow the sweet peas four to five weeks before that date in 4-inch pots, and plant them right in, and they will give a fine crop from January to June. If roses or carnations are looking poorly and you know it will not pay to keep them in, throw them out and plant or sow sweet peas. It will pay to do so even in January or February. Sweet peas are every year becoming more popular, and the prices for the flowers are always advancing."

Sweet Pea Mrs. Wm. Sim, Salmon.

George Reinberg, Chicago.

The rebuilding of George Reinberg's plant is progressing rapidly, the last lot of 18 old houses having been partially wrecked and 12 fine new structures erected. This leaves six more to have attention, and these will be rebuilt next year. The new houses are each 25x265 feet, are built on concrete footings and are fine, light structures. Taken in hand early in the season, they have been erected and planted, and the young rose stock in them, Killarney and American Beauty, looks exceedingly well. The benches are of cypress, and this was used instead of concrete to save time, it being Mr. Reinberg's intention to take them down as they are worn out and replace them with concrete. Had he waited for concrete this season he would not have been able to get the benches planted early enough for the best results, but as it is the plants are well established and will produce a full crop. White paint has been used all through, inside and out, and this gives increased light in the houses, which cannot fail to benefit the plants.

The orchid department here is getting a very important part of the business. Another large importation was made this spring, and the plants are settling down to work and looking well. The demand for these choice flowers is constantly on the increase and just now C. Gaskelliana is being cut in quantity and finds a good demand. Twelve cases of cattleyas have recently been received and the houses devoted to their culture look very gay. All other departments are in excellent order, as far as could be seen in a very hurried call made recently.

Insecticide and Fertilizer for Sweet Peas.

ED. AMERICAN FLORIST:

Please tell me what to use on sweet peas to keep the green fly off after they begin to flower. I am using nitrate of soda and bone meal as a fertilizer at present, having an immense field of sweet peas. I would be glad to learn all I can of their care and how to force for blooms and long stems. M.

To kill aphis on sweet peas outdoors is a simple process. Use a good spray pump, either knapsack or compressed air, and spray with nicoticide. It is very important to use the proper insecticide, so as not to taint the buds and flowers. Aphides are more resistant outside than inside, hence use more nicoticide in proportion, and apply in the evening, instead of morning, so it will dry more slowly, giving it greater killing power.

As fertilizers, bone and sheep manure are best, with some addition of potash, either as sulphate of potash or wood ashes; and these should be thoroughly worked into the soil before planting. The formula should be somewhat like this: Potash, 10 per cent; phosphates and nitrogen, 5 per cent. I do not recommend top dressing outdoors as a rule. Better apply in the spring when preparing the land. Nitrate of soda is very risky on sweet peas unless used sparingly. Outdoor culture is different from indoor, where the constant syringing and watering carries the fertilizing elements to the roots. Outdoors it may not rain for a month, and top dressing then is ineffective. Bone is too slow if applied when peas are in bloom. A better material would be genuine Peruvian guano, that containing some nitrogen; it is known as Chincha grade. It is safe, quick and very effective.

Sweet Pea Mrs. Geo. Lewis, White.

Corkscrew Boxwoods.

A feature that has attracted considerable attention at the Geo. Wittbold Co.'s place, 1657 Buckingham place, Chicago, is a pair of box trees clipped in corkscrew shape as shown in the accompanying illustration. While perhaps not attractive according to the notions of some aesthetic parties, they do attract the eye of the casual pedestrian and perhaps make a transient customer. A similar novelty displayed for some weeks by John Mangel at the corner of Wabash avenue and Monroe street, Chicago, was a box trained to the shape of a huge porker and many a passer-by stopped to examine the curiosity.

American Rose Society.

The motion and resolution adopted at Chicago to fix the time for the official year on July 1 instead of January 1, places at the head as president August F. Poehlmann of Morton Grove, Ill., and as vice-president Wm. Kasting of Buffalo, N. Y., where the next annual meeting is to be held. The retiring president, Robt. Simpson, of Clifton, N. J., has held office two terms, Frank R. Pierson and Philip Breitmeyer being the vice-presidents. The treasurer, Harry O. May of Summit, N. J., and the secretary, Benjamin Hammond of Fishkill, N. Y., were re-elected. The executive committee is as follows: Peter Bissett, Washington, D. C.; Patrick Welsh, Boston, Mass.; E. G. Hill, Richmond, Ind.; Adolph Farenwald, Roslyn, Pa.; J. J. Curran, Salem, Va.; P. J. Lynch, West Grove, Pa.; Philip Breitmeyer, Detroit, Mich.

During President Simpson's term it has been the determined effort to put the American Rose Society on a solid financial foundation; the invested permanent fund has reached $2,950 with another $50 in sight. For the past two years the secretary has waived compensation. The annual shows lead to considerable outlay and on June 10 a meeting was held at Bronx Park and the treasurer's accounts were audited; this was done so as to bring up to date all and every outstanding liability. Heretofore when a new set of officers has come in there has been a series of bills to be paid. In order to place the American Rose Society clear and above board at the beginning of its new financial year, J. A. Valentine of Denver, Colo., placed in the hands of the secretary the sum of $20; there was an offer made practically to wipe out the whole overlapping indebtedness, and the result as advised in two executive meetings was to write a letter to a number of rose cultivators requesting a contribution of $10. These letters were sent out the last of June and responses have been coming so that without being a burden or tax on any few members, the American Rose Society proposes to start out in its westward move clear-handed. I am assured that the exhibition of the past spring at the Art Institute in Chicago was the richest exhibition ever held of the rose in America. The spring exhibition should be made a great public show for the people of Buffalo.

The next meeting, as a matter of general convenience, will be held at Niagara Falls during the S. A. F. convention when the formal transfer of office will take place from Mr. Simpson to President August F. Poehlmann. The bulletin of 1908 is being prepared; there have come requests for this bulletin from societies and libraries far and wide. The show in June at Bronx Park had from John H. Troy of New Rochelle, N. Y., a variety of choice flowers; W. A. Manda of South Orange, N. J., and Frank A. Pierson put up a whole side table of peonies that were magnificent. Crimson Ramblers are this year in evidence to an extent never before witnessed; in all sorts of places, from the mansion to the humblest cottage, from railroad station to the back yards of small tenements, one of nature's beauties.

BENJAMIN HAMMOND, Sec'y.

Society of American Florists.

NIAGARA FALLS CONVENTION PROGRAMME.

First day, Tuesday, August 18—Opening session, 2 p. m. Address of welcome and responsive address. Annual address of the president. Reports of secretary, treasurer, state vice-presidents, committees and other officers.

Judges will examine and prepare their reports upon the novelties and new inventions in the trade exhibition immediately after the close of the opening session.

Florists Hail Association, 4:30 p. m. Annual meeting.

President's Reception, 7:30 p. m.

Second day, Wednesday, August 19—Morning session, 9:30 a. m. The members of the Canadian Horticultural Association will attend this session. "Welcome to our Guests," by President Traendly. Response by President Walsh. Paper—"Fertilizers and Fertility," J. F. Cowell. Discussion.

The selection of the location of the next meeting (polls open one hour) and nomination of officers for next year will take place at this session.

Ladies auxiliary of the S. A. F., 10 a. m.—Annual meeting.

Afternoon, 2:30 p. m. The members of the S. A. F. are invited to attend the session of the Canadian Horticultural Association at the Clifton house, Niagara Falls, Ont.

Evening Session, 7:30 p. m. Illustrated lecture by J. Horace McFarland—"How Florists May Aid in the Crusade Against Ugliness." The members of the Canadian Horticultural Association are invited to be present at this meeting, and the public will be admitted. Admission by ticket, to be obtained from Secretary Ewing, for members C. H. A.; Secretary Rudd, for members S. A. F. (All tickets not applied for by 12 o'clock noon, Wednesday, will be distributed to the public, and members delaying their application beyond that time must take their chances of tickets being available.)

Third day, Thursday, August 20—Morning session, 9:30 a. m. Paper—"Out-of-Door Roses," W. C. Barry. Discussion.

Election of Officers.—Polls will be open at 10:30 a. m., and remain open two hours.

AMENDMENTS TO CONSTITUTION.

The following amendments to the constitution and by-laws of the Society of American Florists have been recommended by the executive board. To amend:

Article 1. By striking out the words "regularly organized" in the seventh line.

Article 2, section 2.—By inserting after the word "one," in the sixth line, and before the word "state," the words "or more."

Article 3.—(1) By inserting after the word "treasurer," in the fifth line, the word "and". (2) By striking out the words "and the duly accredited delegates of," "cooperative societies as hereinafter provided," in the fifth, sixth and seventh lines.

Article 4, section 2.—By striking out the section entire and inserting in place thereof the following: "Any eligible person may become a member of the society on the payment of $5 and such payment shall cover annual dues for the balance of the calendar year." And "The annual dues shall be $3 per year, payable in advance on the first day of January. Any annual member in good standing may become a life member on payment of $25 and be exempt from all future assessments."

The question box.

Afternoon Session, 2 p. m. The National Flower Show. Address, E. G. Hill. Reports, W. F. Kasting, J. C. Vaughan. General discussion.

American Carnation Society, 4:30 p. m. Special meeting.

Evening.—The evening session will be omitted in order to allow the members an opportunity for an evening view of the falls and other scenery.

Fourth day, Friday, August 21—Morning session, 9:30 a. m. Address—"School Gardens," L. C. Corbett. Discussion. Paper—"State Florists' Associations, Their Value and the Relation They Should Bear to the S. A. F.," Albert T. Hey. Discussion. Paper—"Planting for Winter Effect in the

BOX TREES CLIPPED IN CORKSCREW SHAPE.

By Geo. Wittbold Co., Chicago.

Northern States," George E. McClure. Discussion.

Afternoon and evening.—In the hands of the Buffalo Florists' Club. The bowling contests will be held at Buffalo at this time.

TRANSPORTATION.

From points west and south of Buffalo, and Canadian points, reduced rates have been refused by the passenger associations. There are, however, from nearly all cities reduced excursion tickets on sale to Niagara Falls and return, also to Toronto and return by way of Niagara Falls, with stop-over privileges. Members are advised to consult with their local ticket agents, and also to communicate with the secretaries of florists' clubs in the larger cities, with a view to joining their parties and taking advantage of any special arrangements they may make.

From points in the United States east of Buffalo, including Pennsylvania, West Virginia, Maryland and the city of Washington and vicinity, the territory covered by the Trunk Line Association and the New England Passenger Association, except the Bangor & Aroostook R. R., the Eastern Steamship Company and the N. Y., O. & W. R. R., a reduction of fare and three-fifths on the certificate plan has been secured for those attending the meeting.

The following directions are submitted for your guidance: 1. Tickets at full fare for the going journey may be secured within three days (exclusive of Sunday) prior to and during the first three days of the meeting. The announced opening date of the meeting is August 18, and the closing date is August 21, consequently you can obtain your going ticket and certificate not earlier than August 14 nor later than August 20. Be sure that when purchasing your going ticket you request a certificate. (Do not make the mistake of asking for a receipt.)

2. Present yourself at the railroad station for ticket and certificate at least 30 minutes before departure of train on which you will begin your journey.

3. Certificates are not kept at all stations. If you inquire at your home station you can ascertain whether certificates and through tickets can be obtained to place of meeting. If not obtainable at your home station the agent will inform you at what station they can be obtained. You can in such case purchase a local ticket thence, and there purchase through ticket and secure certificate to place of meeting.

4. Immediately on your arrival at the meeting, present your certificate to W. N. Rudd.

5. It has been arranged that the special agent of the Trunk Line Association will be in attendance to validate certificates on August 20 and 21. A fee of 25 cents will be charged for each certificate validated. If you arrive at the meeting and leave for home again prior to the special agent's arrival, or if you arrive at the meeting later than August 21, after the special agent has left, you cannot have your certificate validated and consequently you will not get the benefit of the reduction on the home journey. No refund of fare will be made on account of failure to have certificate validated.

6. So as to prevent disappointment, it must be understood that the reduction on the return journey is not guaranteed, but is contingent on an attendance at the meeting of not less than 100 persons holding regularly issued certificates obtained from ticket agents at starting points, showing payment of full first-class fare of not less than 75 cents on going journey.

7. If the necessary minimum of 100 certificates are presented to the special agent, and your certificate is duly validated, you will be entitled up to and including August 25 to a continuous passage ticket to point at which certificate was issued, and by the route over which you made the going journey, at three-fifths of the first-class limited fare. These instructions apply only to points mentioned above. They do not apply to western and southern points.

HOTEL.

The managers of the Cataract house offer to reserve for members of the society the entire hotel (except the lower floor, which is given over to the trade exhibition and meetings of the society), provided advance applications enough are received to warrant it. Applications for rooms and inquiries should be addressed to Mr. Isaacs, manager, Cataract House, Niagara Falls, N. Y.

THE TRADE EXHIBITION.

The trade exhibition will be located on the ground floor of the Cataract house, occupying the entire floor of this great hotel, except the room in which the meetings will be held, with which the exhibition rooms directly connect.

Growers of plants, seeds, bulbs, shrubs and trees, dealers in florists' supplies, greenhouse requisites, building material for greenhouse construction, heating apparatus, etc., can here meet the best buyers in the horticultural profession, and no better opportunity for directing attention to the special merits of their goods can be found.

N. B.—Exhibitors are reminded that the duties of the judges are limited to the consideration of and making of awards to novelties and improved devices only. Exhibitors are required to make previous entry of all such exhibits with the superintendent in writing. Full rules and regulations, together with diagrams of the exhibition hall, may be obtained from Chas. H. Keitsch, superintendent, 810 Main street, Buffalo, N. Y., to whom all applications for space should be made at once.

PAYING DUES.

Members who have attended previous conventions and know something of the discomforts of waiting in line for an opportunity to pay assessments and procure badges do not need to be reminded to forward their dues to the secretary in advance and thereby contribute to their own comfort and facilitate the secretary's work. Dues cannot be paid while meetings are in progress, and applicants will be demanding attention before the opening session on the morning of the first day, the possession of a badge and membership receipt for 1908 being absolutely necessary before any individual can sign the roll book and receive invitation cards for any entertainments provided. On receipt of $3 from those who have paid membership dues for 1907, and $5 for all others, certificate and badge for 1908 will be mailed promptly from the secretary's office. Preserve your certificate and bring it to the convention with you. The secretary's address is W. N. Rudd, Morgan Park, Ill.

Canadian Horticultural Association.

CONVENTION PROGRAMME.

The following is the official programme of the eleventh annual convention of the Canadian Horticultural Association to be held at Niagara Falls, Ont., August 19-21, 1908. The headquarters of the association will be at the Clifton hotel.

WEDNESDAY, AUGUST 19.

Opening session at 2:30 p. m.; The Society of American Florists will pay a fraternal visit during this session.

"Address of Welcome," by the mayor of Niagara Falls, Ont., and superintendent of Queen Victoria park.

Response by President Traendly of the S. A. F.

Reports of secretary, treasurer, standing and special committees.

Second session at 7 p. m.: The society will pay a fraternal visit to the convention of the Society of American Florists at Cataract house, Niagara Falls, N. Y., and to hear J. Horace McFarland's lecture.

THURSDAY, AUGUST 20.

Third session at 10 a. m.: Various papers; question box; visit of the delegates to Queen Victoria park.

Fourth session, 7 p. m.: Discussion between retailer and grower, G. Gerraghty, of Dunlop's, Toronto, and W. J. Lawrence, Eglinton, Ont. Paper on "Grapes Under Glass," by T. Pewtress, Pointe Claire, Que. Election of officers. Final reports.

FRIDAY, AUGUST 21.

The delegates will participate in the entertainment given by the Buffalo Florists' Club to the S. A. F., including trip to Buffalo, games, etc. (By generous invitation of the Buffalo Florists' Club.)

RAILWAY RATES.

Arrangements have been made with the Eastern Canadian passenger association (all Canadian railways east of Port Arthur) whereby delegates to the C. H. A. convention purchasing a first-class single fare, to Niagara Falls, Ont., will be returned for one-third single fare, if 50 or more in attendance hold standard certificates, which must be procured from the agent issuing ticket at starting point. These certificates must be handed to the C. H. A. secretary at the convention hall for his signature and a special agent of the Eastern Canadian passenger association will attach a validation paster charging 25 cents therefor.

To Be Done Now.

IN THE GREENHOUSES.

Clear out all old insect or rust infested carnations or the trouble will spread to the young plants.

Watch the ventilation closely in early morning when the cut is in progress.

Spray old cut back roses very freely after transplanting, but water the roots carefully.

Spray grafted roses carefully until the soil is filled in around the union of stock and scion.

Avoid overwatering newly planted chrysanthemums in hot weather. Spray frequently and keep the house as cool and moist as possible.

Prepare for geranium propagation by repairing flats, if these are used, and soil.

Keep the feed going well for indoor cucumbers and see that the roots are kept moist.

Begonia Gloire de Lorraine need not be hurried yet. Keep the plants gently moving.

Be careful not to overwater cyclamens in frames before the roots have taken a good hold of the soil, or the growth will be checked.

OUTDOORS.

Watch grafted shrubs for suckers and remove them on sight.

Look after late sown annuals carefully, as they often prove very useful for cutting in an open fall.

Disbud the outdoor chrysanthemums if fine flowers are needed.

Go over the celery rows and remove side shoots before any soil is put up to the plants.

Where necessary thin the shoots on old pear or apple trees that were regrafted this spring.

Sow a good breadth of spinach for winter use where this crop can be grown.

Keep the cultivation going between the late cabbage plants as long as possible.

Sow all land that is not to be used to a green manure crop for plowing in later.

SALEM, O.—James Cogill, formerly of Alliance, is helping appraise the Templin greenhouses at Calla.

PALESTINE, TEX.—Carl Seidel, grower for G. E. Dilley & Son, took charge there recently. Roses look well and the bedding stock is making excellent progress.

THE AMERICAN FLORIST

1885 TWENTY-THIRD YEAR. 1908

Subscription, United States and Mexico, $1.00 a year; Canada $2.00; Europe and Countries in Postal Union, $2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From its first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of correspondents.

Eastern Representatives:
A. F. FAULKNER 1133 Broadway, New York.
ROBT. KIFT, 1725 Chestnut St., Philadelphia, Pa.

THE AMERICAN FLORIST,
324 Dearborn St., CHICAGO.

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Trade Exhibition at Niagara Falls.

Manager Keitsch reports that a total of 7,463 square feet of exhibition space have been taken. Arrangements have been made with a responsible hauling company to take care of all freight. Those who desire to stop at the Cataract House or the International, next door, should correspond with H. W. Isaacs, International Hotel, Niagara Falls, N. Y., who will act as hotel committee. Mr. Keitsch reports that travel this season is not as heavy as usual and in consequence hotel accommodations will be comparatively easy to secure.

A PLAYGROUNDS CONGRESS will be held in New York September 8-12.

WHEN we get the perfect automatic ventilating gear many of our troubles will be over.

HOW is the stock of stevia? It will be needed next winter and is very little trouble to grow.

KEEP an eye on the ash pile. Careless stokers are often responsible for much waste of half-burned coal.

BETTER transplant rosés than let them go through on benches needing repairs. They may break down at a bad time.

BUILDING CONDITIONS, says the American Lumberman, are at present ideal. From ocean to ocean, from lakes to gulf, the "build now" campaign is indorsed by representative trade and daily publications.

THE full programme of the Niagara Falls, N. Y., convention of the Society of American Florists and that of the Canadian Horticultural Association at Niagara Falls, Ont., will be found on pages 1308-1309 this issue.

Glass.

Glass prices made a further advance of five per cent on July 22. Discounts on single strength glass are now 90 and 30 per cent, and on double strength, 90 and 35 per cent.

National Flower Show.

W. N. Rudd has been prevailed upon to accept the position of manager of the National Flower Show. The selection of a manager was left by the executive committee to the committee on local management of which J. C. Vaughan is chairman, with the recommendation that the services of Mr. Rudd be obtained if possible.

Mr. Vaughan has called a meeting of his committee for Saturday afternoon, July 25, when with Manager Rudd the committee will take up details of the show arrangements. Chairman W. F. Kasting of the committee of 50 will call a meeting of the committee at Niagara Falls during the convention of the Society of American Florists. The meeting will probably be held on Thursday after the discussion of the National Flower Show which is provided for in the convention programme. J. H. BURDETT, Sec'y.

Chicago to Niagara Falls.

For the accommodation of members and their friends from Chicago and points west, the transportation committee of the Chicago Florists' Club has selected and made arrangements with the Wabash railroad for a special train to leave Chicago at 6 p. m. Monday, August 17. This train will consist of strictly first-class standard Pullman sleepers and a Wabash dining car in which evening dinner will be served table d'hote at $1.00 and breakfast on the a la carte plan.

The rate from Chicago to Niagara Falls and return will be $19.50 with a limit of 30 days or longer if desired. Summer tourist tickets can also be purchased at the same rate ($19.50) to Toronto, Ont., and return via Niagara Falls, the Gorge route from Niagara Falls to Lewiston, and the Niagara Navigation Steamboat Co. across Lake Ontario to Toronto. This will practically give a free side trip to Toronto and return, taking in the famous gorge and whirlpool of the Niagara river. These tickets are limited to 30 days and will give a stopover of 10 days in either or both directions at Niagara Falls by depositing tickets with the Wabash agent at Niagara Falls on arrival. Any who contemplate or desire to take this trip across to Toronto should ask for and get their tickets to that point when purchasing the same. Passengers have the option of returning all rail as the tickets read or via Lake Erie steamers from Buffalo to Detroit and thence rail, without extra charge except for meals and berths.

In order that arrangements may be made to take good care of our party, you are requested to inform the undersigned as early as possible whether or not you will attend, and if so what sleeping car space you will require. Tickets can be purchased at the Wabash city ticket office, 109 Adams street, or at the depot, Dearborn station, Polk and Dearborn streets. We anticipate a large party from Chicago and ample provisions will be made so that everyone can have an enjoyable time on this trip, and hope that you will advise us at once if you can join the party.

F. F. BENTHEY,
A. C. SPENCER,
E. C. AMLING,
Transportation Committee.

Freight Rates on Greenhouse Material.

ED. AMERICAN FLORIST:—

We note in your issue an article about the freight rates to the western states. In reference to this, we beg to inform you that several months ago we had already entered a request for the re-adjustment of the rates, our letter to the western classification committee being dated April 13. Our main point, however, was the apparent discrimination by the railway against carloads of greenhouse material containing other items than strictly the wood parts. While they apply C. L. rates on shipments containing bars, vents, etc., they apply L. C. L. rates as soon as glass or pipe are included. The orders of the majority of florists are not large enough to entitle them to the benefit of the lower rates under these rulings, while if the railway companies would change their rulings and allow a carload to be made up of everything going into a greenhouse, even the smaller growers could arrange for car shipments and thus enjoy the advantage of the low rates.

A. DIETSCH CO., Chicago.

Florist Club Outings.

Birmingham, Ala., July 24.—First annual picnic and barbecue of the Florists' and Horticulturists' Society at the lakes at Bessemer.

Boston, Mass., August 29.—Annual picnic of the Gardeners' and Florists' Club to Pine Banks park, Malden.

Buffalo, N. Y., August 29.—Annual outing of Florists' Club.

Cleveland, O., July 29.—Annual outing of Florists' Club to Cedar Point.

Montreal, Que., July 29.—Annual picnic of Gardeners' and Florists' Club.

Tarrytown, N. Y., August 4.—Annual outing of Horticultural Society to Rye Beach.

Meetings Next Week.

Baltimore, Md., July 27, 8 p. m.—Gardeners' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.

Cleveland, O., July 27, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit street.

Lake Forest, Ill., July 29, 8 p. m.—The Horticultural Society of Lake Forest, Council Chamber, City hall.

Lake Geneva, Wis., August 1, 8 p. m.—Lake Geneva Gardeners' and Foremen's Association, News building.

San Francisco, Calif., August 1.—Pacific Coast Horticultural Society.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Every paid subscriber to the AMERICAN FLORIST for the year 1908 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—As working foreman by first-class tea and beauty rose grower; single. Key 587, care American Florist.

Situation Wanted—Position wanted on private place by competent man with a good knowledge of shrubbery, bulbous stock and hardy perennials. Steady place preferred and the advertiser would prefer one where living accommodations are provided. Key 586, care American Florist.

Help Wanted—At once capable man for rose section. FRANK A. FREIDLEY, J. M. Gasser Co., Rocky River, Ohio.

Help Wanted—A man to work in rose sections; state wages without board. Apply COLE BROS., Peoria, Ill.

Help Wanted—At once a reliable man for carnations; state experience and wages expected. JOHN BARR, So. Natick, Mass.

Help Wanted—Married man who understands roses, carnations, 'mums and general greenhouse work; good pay with house rent free. Address ALEX. INNES, 109 Cotton Ave., Macon, Ga.

Help Wanted—Single young man who has had several years' experience in rose growing. Give reference and particulars in first letter. H. H. BATTLES, Newtown Square, Del. Co., Pa.

Help Wanted—Young man with practical experience in general greenhouse work; state experience and wages wanted; references; position open now. J. A. BISSINGER, Lansing, Mich.

Help Wanted—Young man as assistant on private place for carnations, chrysanthemums, violets, vegetables under glass and general greenhouse work; wages, $60 a month. FRANK R. KUEHNE, Lake Geneva, Wis.

For Sale—The complete fixtures of a retail florist store, inluding ice box, mirrors, etc. MILLANG BROS., 41 W. 28th St., New York City.

For Sale—27,000 feet of glass without stock in a good locality in Chicago. Take Clark St. car to Francis St. Call or address OWNER, 4016 N. Clark St., Chicago.

For Sale—A great bargain. One boiler 40 h. p. and one 80 h. p.; complete and in perfect order. Also 10,000 feet of 4-inch drain tile. G. VAN BOCHOVE & BRO., Kalamazoo, Mich.

For Sale—Thriving retail florist business; fixtures new; established trade with $350.00 net per month in the summer time; finest location on Chicago's west side; bargain if taken at once. Key 585, care American Florist.

For Rent or Sale—At a sacrifice, seven greenhouses and stock; the best stand in the center of the city. Don't overlook this snap. For particulars see advertisement in this paper, June 20. W. H HUMFELD FLORAL CO., Kansas City, Mo.

For Sale—A handsomely fitted up florists' shop in the best private neighborhood in New York, cor. Madison Ave. and 75th St., rent $150.00 a month; possession at once; lease satisfactory to good tenant, will sell reasonable. Address Key 534, care American Florist.

For Lease—Greenhouse plant 15,000 feet of glass, well stocked; eight-room dwelling; large barn and out-houses; 30 acres of land, partially stocked and suitable for trucking; two miles from city of 30,000; 100 yards from 20-minute schedule street railway; good retail business established in city and surrounding territory. For full particulars address Key 584, care American Florist.

For Sale or Lease—I am going south and will lease or sell at a sacrifice my greenhouses, stock, land, business and all; 10 large greenhouses, abou, 18,000 square feet of glass; six acres of fine land under cultivation in good payable crops; two six-roomed houses and two barns; own waterworks; fine orchard, full of fruit; greenhouses well stocked with roses, carnations, asters and chrysanthemums, all in splendid condition; half acre of peonies, hardy roses, ramblers and perennials; new steam boiler, with steam trap. Everything in good repair and running order. Also six greenhouses in middle of town on leased ground; fine store and cellar; houses stocked with 'mums, asters, carnations and general line of bedding stock. Best location and largest retail trade it town. Will sell or lease, together or separate. Fine chance for one or two hustlers with small capital to make money. Liberal terms to responsible parties. Call or address at once GUNNAR TEILMANN, Marion, Ind.

For Sale—Will sacrifice on easy terms; greenhouse of 5,000 feet of glass, hot water heat, well stocked; city water and electric lights; 10-room house; good barn; 4 large lots; lots of fruit on place; established business; excellent shipping facilities; located in good northern Indiana town, near Chicago and several other good cities. For particulars, address GAYLOR-KIEFER REALTY COMPANY, Mishawaka, Ind.

To Let.

Greenhouses in Cohasset, Mass.; 10,000 sq. ft. of glass; New Gurney hot water heater; cottage near. Apply at **260 Clarendon St., Boston, Suite 10.**

Retailers.

A man of exceptional ability in this line is open to engagement; please state salary paid weekly and all necessary particulars will be supplied by advertiser. Key 588, care American Florist.

FOR SALE.

BARGAIN OF A LIFETIME. The advertiser is no longer able to attend to business and wishes to dispose of his greenhouse property in Indiana. The property consists in part of five lots, 75 feet front by 180 feet deep; fruit of all kinds; good modern six-room house, barn and other outbuildings; greenhouse heated by hot water; city light and water; two squares from depot. Address **Key 582, care American Florist.**

FOR SALE.

Two second-hand boilers. Can be insured 75 lbs. pressure. Too small for our use.

Fort Madison Plow Co., Fort Madison, Iowa.

PUBLIC SALE

at Reading, Pa.,

July 29th, 1908, 3:30 p. m.

PENN FLOWER SHOP

636 Penn St.

Store, with greenhouse attached; fixtures, good will, lease. Business well established. Best store in town. Particulars by mail. Bids invited. Address

GEO. S. STIRL, Auctioneer,

25 N. 6th St., **READING, PA.**

NOTICE

—OF—

STOCKHOLDERS' MEETING.

CHICAGO, July 16, 1908.

Stockholders of the American Florist Company:

You are hereby notified that the annual meeting of the stockholders of the American Florist Company will be held in the Cataract House, Niagara Falls, N. Y., Wednesday, August 19, 1908, at 3 o'clock P. M., for the purpose of electing directors and officers for the ensuing term, and for the transaction of such other business as may come before the meeting.

J. C. VAUGHAN, Pres.
M. BARKER, Sec'y.

NOW READY. **1908 EDITION.**

—THE AMERICAN FLORIST—

TRADE DIRECTORY

of the entire **HORTICULTURAL TRADE** of America,

Price, $3.00 Prepaid.

A complete alphabetical list of all American cities with the names and addresses of all commercial horticulturists therein. A separate list, arranged alphabetically, of every commercial horticulturist in this country. A separate list of park superintendents, and all cemeteries. A separate list of all florist's clubs and horticultural societies, with their newly elected officers to date.

Greenhouse Construction

BY PROF. L. R. TAFT.

It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 210 pages and 118 illustrations. **PRICE, $1.50**

Greenhouse Management

By the same author. Covers the subject completely. 382 pages. **PRICE, $1.50.**

American Florist Co.,

324 Dearborn St., Chicago.

HENRY M. ROBINSON & CO.,

Wholesale Commission Florists.

Hardy Cut Evergreens and Florists' Supplies.

BRONZE GALAX, best quality...$8.50 per case, 10,000; **GREEN GALAX,** best quality...$7.50 per case, 10,000.
New Crop **DAGGER AND FANCY FERNS**.....$1.00 per 1000.

Laurel Festooning, Boxwood, Southern Wild Smilax, Sphagnum and Green Moss, Leucothoe Sprays, etc.

15 Province St. and 9 Chapman Place, BOSTON, MASS.

OUR PASTIMES.

At Chicago.

BOWLING.

Bowling at the Bensinger alleys on Tuesday evening resulted as follows:

Asmus	116	131	112	161
McKellar	108	141	131	119
Winterson	188	142	171	

The ladies made the following scores:

Mrs. Asmus	91	90	109	106	91
Mrs. Kreitling	111	76	77	80	147
Mrs. Winterson	114	127	112	100	103
Mrs. Hauswirth	111	99	106	105	96
Mrs. McKellar	186	129	144	120	122

BASEBALL.

Manager W. P. Kyle, of the Florists' Base Ball Club, presented a very fine line-up. His team had the honor of knocking a semi-pro pitcher out of the box. He was up against the strongest team he had yet tackled and came away with all of the laurels. Here is the score:

	1	2	3	4	5	6	7	8	9	
Chicago Florists	1	4	0	1	2	0	1	2	0	—11
Southwest	4	0	0	0	1	1	3	1	0	—10

The batteries were Sullivan and O'Connor for the Florists, and Fienie and Dugan for the Southwests. The greatest feature was the rooting of H. C. Dunn for the Florists.

FLORISTS' CLUB PICNIC.

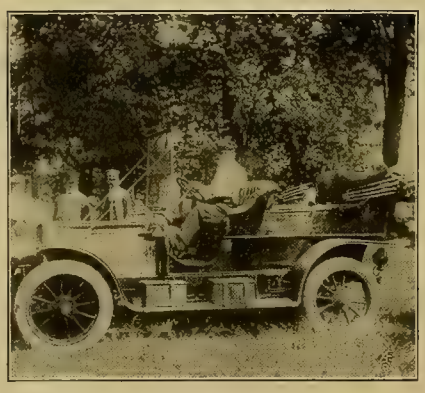
The Chicago Florists' Club's picnic at Morton Grove, Ill., July 19, attracted a large attendance, about 300 persons coming from the city on the morning and noon trains. The picnic was held in Manilla park, as it was last year, directly across the road from the Poehlmann Bros. Co.'s A plant. The day was an ideal one for an outing, being neither too warm nor too cool, and clear skies favored the pleasure seekers. Refreshments were served from various stands in the grove, thus doing away with the necessity of parties and individuals bringing their own lunches. Credit is due to T. E. Waters and E. Enders for the excellent arrangements. Sandwiches, cake, coffee, lemonade, beer, soda, pop, and ice cream were dispensed from convenient stands to holders of the coupons, which were received in exchange at the gate for the regular picnic tickets.

Perhaps the largest part of the crowd came on the 12:40 train. Owing to the late arrival of some of the officials and of so many others who were expected the games did not commence until afternoon. The last was probably the best of all, the ball game between two teams selected respectively by Allie Zech and Otto Goerisch. The feature of the game was the coaching by Leonard Kill and Geo. Asmus, the former being sent by the referee back to his automobile for being out of order on the coaching line in the third inning. Geo. Asmus was ruled out of the game for kicking on the umpire, John Poehlmann being selected to take his position at first base. Nobody knows exactly what the score was, not even the players nor the umpire, but the guesses varied from 13 to 5, to 12 to 6 in favor of Allie Zech's team. The players were as follows:

M. Gabel, c.	Jos. Curren, c.
— Vail, p.	Otto Goerisch, p.
G. Asmus, 1b.	Aug. Poehlmann, 1b.
John Poehlmann, 1b.	Albert Ebeling, 2b.
— O'Connor, 2b.	— Theu, s.s.
Chas. Balluff, 3b.	— Wolf, 3b.
A. Zech, s.s.	— Connor, l. f.
W. Graff, l. f.	E. F. Winterson, c. f.
E. Enders, r. f.	— Peck, r. f.
— Myer, c. f.	

Three automobile parties came to the picnic, Peter Reinberg, Adam Schillo and Geo. Garland, each having piloted a large touring car into the grounds. One of the gayest of the arrivals, however, was that of a big hayrack party, brought from Evanston by Sebastian Fischer of Fischer Bros.

John Zech is still showing great form, winning out in the hop, step and jump. And the children are not far behind the old man. Allie came in first in the 100 yard dash and Carrie Zech carried off the honors in the girls' 40-yard dash.



Chicago Florists' Club Picnic.
President Leonard Kill in His Automobile.

Bassett & Washburn sent down 28 of their employes, not only buying the picnic tickets but transportation as well from Hinsdale. Andrew Benson could be seen prominently in the line-up for the fat men's race.

The committees having charge of the picnic were as follows: Geo. Asmus, manager; T. E. Waters and E. Enders, refreshments; J. H. Pepper, T. E. Waters and H. C. Lenington, programme; J. C. Vaughan, music; Aug. Poehlmann, F. F. Benthey, transportation to grove; Fred Lautenschlager, concessions; John Zech, sports and games; J. E. Jensen, secretary and treasurer. And it goes without saying that President Leonard Kill of the club took a lively interest in all departments.

THE CONTESTS.

1. Guessing contest. How many seeds in watermelon? Prizes donated by George Asmus. J. C. Vaughan, first prize, $5 merchandise certificate on Marshall Field & Co.; Miss Mayme Downs, second prize, $5 in refreshment coupons. There were 1081 seeds in the melon.

2. Quoits (open to all), D. Erickson, first prize, silk umbrella; E. F. Winterson, second prize, hair brush.

3. Tug-of-war. No contest.

4. Forty-yard dash, girls, 10 years and under. Handicap, one yard for each year. Annie Lochman, first prize, roller skates; Mary Milander, second prize, box of handkerchiefs. Prizes donated by Leonard Kill.

5. Forty-yard dash, boys, 10 years and under. Handicap, one yard for each year. Philip Malagar, first prize, roller skates; Orrin Enders,

Fancy and Dagger FERNS $1.00 per 1000

Discount on large orders.

New Crop Galax, Bronze or Green, $1.25 per 1000: 10,000, $8.50.
Sphagnum Moss, large bales.....$1.25
Leucothoe Sprays.....$1.00 per 100: 1000. 7 50
Boxwood.....35c per bunch; 50 lbs.. 7.50

Florists in the Middle and Western States can save money by placing their fern orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,
WHOLESALE COMMISSION FLORISTS,
38-40 Broadway, All Phone Connections. **DETROIT, MICH**

Special Offer for 10 Days

Nice fancy **FERNS** 85c per 1000. Good **Dagger Ferns** $1.00 per 1000. New crop **Dagger Ferns,** $1.50 per 1000. **Galax,** Green and Bronze $1.00 per 1000: case lots, 10,000, $7.50. 50-lb. cases **Wild Smilax** $6.00. **Leucothoe Sprays,** bronze or green, 40c per 100. **Ground Pine,** 5c per lb. or 5c per yd. **Pine** and **Laurel Wreaths,** for decoration use: Pine, $1.50 per doz., Laurel, $2.50 and $3.00 per doz. Send your order early for your decoration use. **Laurel Festooning,** 4c. 5c. and 6c. per yard; made daily fresh from the woods' **Boxwood,** No. 1 quality $8.00 percase, 50lb. Telegraph Office. New Salem, Mass. L.D. Phone Conn's'

CROWL FERN CO., Millington, Mass.

George Cotsonas & Co.

Wholesale and Retail Dealers in all kinds of

Evergreens.

Fancy and Dagger Ferns, Bronze and Green Galax.
Phone 1202 Mad. Sq.

Main Store, 50 W. 28th St., NEW YORK

E. A. BEAVEN

Southern Wild Smilax,
Log Mosses,

Natural and Perpetuated—at Wholesale,

EVERGREEN, ALABAMA.

JOHN P. SCHERER,

Telephone 328 L Union.
636 Gardener St., UNION HILL, N. J.

SMILAX, FERNS, PALM LEAVES and all kinds of GREEN GOODS.

THE KERVAN COMPANY,
113 West 28th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe, Ferns, Mosses and all Decorative Evergreens.

NEW BEAUTIES

Fine young plants. Choice flowers. These were planted especially for summer.

Kaiserin, Carnot, Killlarney, Perle and Richmond.

All grown in solid benches, with roots down deep in cool soil. These plants are from three to six years old. They produce by far the best flowers in summer.

Asparagus, Smilax, Sprengeri, Adiantum, Choice Easter and Auratum Lilies, Field-Grown, Strong Stems.

BUY YOUR FLOWERS DIRECT OF THE GROWERS, and get the freshest possible stock. Our cooling rooms and shipping facilities are unexcelled. **GIVE US A TRIAL ORDER.**

BASSETT & WASHBURN,

GREENHOUSES: HINSDALE, ILL. **Office and Store: 76 Wabash Ave., CHICAGO.**

second prize, pocket knife. Prizes donated by Leonard Kill.

6. Forty-yard dash, girls, 16 years and under. Handicap, one yard for each year. Carrie Zech, first prize, silver thimble and scissors; Annie Quiram, second prize, back comb.

7. Fifty-yard dash, boys, 16 years and under. Handicap, one yard for each year. A. Weissgerber, first prize, pocket knife; Fred Schnapp, second prize, scarf pin.

8. Fifty-yard dash, young ladies. Anna Dupee, first prize, fancy 5 pound box of candy, donated by Archie Spencer; Margaret Dupee, second prize, bottle of cologne.

9. Fifty-yard dash, married ladies. Mrs. B. Belcher, first prize, carving set, donated by E. Enders; Mrs. Chas. Balluff, second prize, silver cake knife, donated by John Zech.

10. One hundred-yard dash (open to the trade only). Allie Zech, first prize, silk umbrella; A. Weissgerber, second prize, box of cigars.

11. Fifty-yard dasn, fat men. Contestants must weigh 200 pounds or over. W. Schofield, first prize, silver headed cane; Geo. Asmus, second prize, military brush.

12. Hop, step and jump (open to the trade only). J. Zech, first prize, gold cuff buttons, donated by E. Enders; Chas. Balluff, second prize, silver match case.

13. Forty-yard sack race (open to all). Frank Beu, first prize, ball and bat; Albert Ebeling, second prize, glove.

14. One hundred-yard dash, greenhouse employes only. A. Weissgerber, first prize, box of 50 cigars; G. Wilinsky, second prize, box of 25 cigars.

15. Running broad jump (open to all). Geo. Kuss, first prize, briar pipe, donated by Ed. Enders; A. Reinberger, second prize, box of cigars.

16. Three legged race. Prizes donated by the E. F. Winterson Co. Two boxes of cigars to the winning teams.—O'Neil and — Vail, first prize; Albert Ebeling and — Bickrod, second.

(CONTINUED ON PAGE 1332.)

L. BAUMANN & CO.,

76-78 Wabash Avenue, CHICAGO.

THE GREAT CENTRAL FLORIST SUPPLY HOUSE.

Everything in Florist Supplies, such as Baskets, Chiffons, Etc., Etc

After July 1 will be at 118 E. Chicago Ave.

A sample room will be maintained at the old address.

SEND FOR OUR COMPLETE CATALOGUE.

GROUP AT CHICAGO FLORISTS' CLUB PICNIC AT MORTON GROVE, ILL., JULY 19.

ASTERS. We will, as usual, be **headquarters** for all fancy varieties, and will also have plenty of the medium grade.

FANCY VALLEY in large quantities daily.
FANCY FERNS, new crop, specially good, $1.25 per 1000.

A. L. RANDALL CO., Wholesale Florists,
L. D. Phone Central 1496.
Private Exchange all Departments.
19-21 Randolph Street, CHICAGO.

Chicago.

GOOD STOCK IN SHORT SUPPLY.

The market has seen any quantity of inferior stock but really good material has been very scarce. At this time, however, asters are beginning to come in and should come in larger quantities daily from now on. All colors are seen and stems are of fair length. Roses are improving very slowly; some American Beauty roses of long stems from old plants are seen. Shorter stems from new plants are of excellent quality. Carnations are very poor and while some ship satisfactorily to distant points, the largest part of the stock is unfit for shipment. Auratum lilies on Monday were scarce, but growers began shipping in and the following day saw a good supply. Some very good Easter lilies are also seen. Both lilies have been in exceptionally good demand, as have also gladioli, which are now coming in more freely. This week sees practically the end of the cold storage peonies. The season ends on about the same date as it did last year. There was a somewhat larger supply this year than last, but the demand was equal to clearing up the entire lot. Some late Rose Pink peonies are still to be obtained, there being about 1,000 dozen still in storage the forepart of this week.

NOTES.

At Frank Oechslin's the shipping trade in cyclamens, primulas and Boston ferns is said to be keeping up well. Stock here, now rapidly coming on for fall, is in excellent condition. Chrysanthemums are going from 4-inch to 6-inch pots, and some are even getting their final shift from 5-inch into 8-inch pots. The peppers are a fine and healthy looking lot of plants. In the fern houses quite a stock of Nephrolepis Amerpohli is being worked up.

The Geo. Wittbold Co. is building one new greenhouse at that firm's Lakeview establishment, 25x120 feet. This is the last of an entirely new section of four houses. Cement walls and cement benches are the rule now here throughout. Louis Wittbold has just invented a new instrument for boring holes in the bottom of cement benches.

Knees Bros. are moving from 19 Clara place to Western and Fullerton avenues, where they are erecting a two-story building and four greenhouses, including one 20x25 show house, one 16x25 propagating house, one house 25x60 and another 25x50. In the new place Wittbold cement benches are being installed.

G. H. Pieser, president of the Kennicott Bros. Co., returned last week from 10 days of trout fishing at Basswood, Mich. He came sooner than he had intended on account of the illness of Mrs. Pieser. This firm still has a limited quantity of Late Rose peonies in cold storage.

The A. L. Randall Co. is receiving large shipments of asters, gladioli and auratum lilies. It is said here, too, that more ferns than ever before are being handled this year. The ferns are coming from northern Michigan and, it is claimed, keep better than those picked further south.

Fred G. and H. H. Hunt under the firm name of Hunt Bros. have taken over — Ahrenfeldt's greenhouse establishment of 20,000 square feet of glass at Park Ridge. Chrysanthemums and carnations, including the new salmon pink seedling of A. E. Hunt, of Evanston.

N. J. Wietor arrived home Sunday from his fishing trip with an exceptionally fine coat of tan. John Sinner, who accompanied him, arrived here a few days previous in good fit condition to put in a few warm days working in the greenhouses.

Chas. McCauley, secretary of the Florists' Club of Washington, was here last week looking into a proposition having in view the conversion of an important private place in a suburban town into a commercial establishment.

August Kohlbrandt, of E. C. Amling's, and Harrison Kennicott are at Alden, Mich., whence they sent to Mr. Amling on Monday a 40-pound box of fish just to show the kind of luck they were having.

H. Kellner, 740 Grand avenue, has a patent pending on what he calls the hold-fast, a substitute for the toothpick and wire in floral work. Speed and ease in application are the merits claimed for the novelty.

Chas. McKellar's right hand man, Earnest Farley, is back from a visit to his old home at Indianapolis. Cattleya Harisoni and C. Eldorada are the orchids now being received by Mr. McKellar.

Chas. Morawek, 1564 W. Sixteenth street, on Tuesday had Albert J. Richards and Edward J. Lewis indicted by the grand jury charged with stealing ferns from his greenhouses.

C. A. Schnell has left John Mangel and this clever decorator would be glad to hear of a suitable position. Mr. Schnell's work is well known here and in eastern cities.

The mother of Wm. F. Schofield, 184 N. State street, had the misfortune last week to fall down stairs. She is now in the hospital with a broken rib.

Miss Celia Then was in the Flower Growers' Market last week taking the place of her sister Josepha who had a touch of grip.

H. O. Bock, son of Joseph Bock, Burlington, Ia., has been in the city getting heating plans for a new range of three large houses.

Another shipment of Bermuda lily bulbs for Vaughan's Seed Store is due to arrive in New York on Friday.

E. C. Amling is now receiving some fine Augustus gladioli, which he says are selling well.

Chas. Balluff and wife left Tuesday for three weeks of fishing at Butte des Mortes, Wis.

Bassett & Washburn are again cutting plenty of Easter lilies.

Visitors: Chas. McCauley, secretary Florists' Club of Washington, D. C.; Arthur Waldman and wife, St. Louis, Mo.; H. Bunyard, New York; W. A. Hartman, South Haven, Mich.; Harry Balsley, Detroit, Mich.; W. G. Matthews' son, Dayton, O.; Wm. A. Schaefer, Platteville, Wis.

"THE BUSIEST HOUSE IN CHICAGO."

J. B. DEAMUD CO.,
51 Wabash Avenue,
CHICAGO.

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.

Vaughan & Sperry,
Wholesale Florists,
56 and 80 Wabash Ave., CHICAGO
WRITE FOR SPECIAL PRICES.

Lake Forest, Ill.

The second annual floral and horticultural exhibition of the Horticultural Society at the Art Institute July 15 was a grand success. It was successful from the viewpoint of the visitor and from the more practical view of the gardener and horticulturist.

Every available space in the building was filled and Durand Art Institute never presented a more attractive appearance. The exhibition of last year was a school and that there were apt pupils at it was shown in the better classification and arrangement of this year's show. The judges on flowers were Wm. C. Egan, Highland Park; E. A. Kanst, Chicago, and John Tiplady, Lake Geneva, Wis. On vegetables, Robt. J. Sampson and Axel Johnson, Lake Geneva, Wis., and C. J. Reardon, Hinsdale, and these had great difficulty in some cases in making their awards. Lager & Hurrell, Summit, N. J., put up a choice display of orchids. Vaughan's Seed Store, Chicago, made a fine display of hardy herbaceous perennials and greenhouse plants. Arthur T. Boddington, New York, had cold storage lily bulbs on display. Peterson's Nursery and Swain Nelson & Sons Co., Chicago, made fine exhibits of nursery stock.

The Vaughan's Seed Store gold medal for the largest and most artistically arranged vase of flowers was won by Carl Gepper, gardener to Mrs. Taylor. Highly creditable displays in various classes were also made by J. W. Scharfenberg, H. C. Peterson, Emil Bollinger and others.

Wm. P. Longland, Axel Johnson and Robt. Sampson, Lake Geneva, Wis., made fine displays of vegetables and fruits not for competition.

Long Distance Phone Central 6004.

E. F. WINTERSON CO.

45-47-49 Wabash Ave., CHICAGO.

Wholesale Cut Flowers and Florists' Supplies.

ALL CUT FLOWERS IN SEASON

at Chicago market quotations. **Consignments Solicited.**

Chas. W. McKellar

51 Wabash Ave.
CHICAGO.

ORCHIDS
A Specialty

Fancy Stock in **Violets, Valley, Roses, Beauties, Carnations** and a full line of all **Cut Flowers, Greens, Wire-Work** and **Florists' Supplies.**

Send for Complete Catalogue.

Cut Flowers ⚜ **E. H. HUNT**

FOR ALL OCCASIONS.
FLORISTS' SUPPLIES TOO.

——SEND FOR PRICE LIST.——
76 Wabash Avenue, CHICAGO.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of **CUT FLOWERS**

E. C. AMLING

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 Randolph Street, CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO July 22.

Roses, Beauty, extra fancy		4 00
" " 24 to 30-in. stems		3 00
" " 12 to 20-in. stems.	1 50@	2 00
" " short stems		1 00
" Killarney	6 00@	12 00
" Bride, Maid Ivory Gate	4 00@	6 00
" Liberty, Richmond	4 00@	8 00
" Chatenay, Perle	4 00@	6 00
Carnations	1 50@	3 00
Lilium Harrisii, per doz.	1 00@	1 25
Callas, per doz.	1 00@	1 25
Lily of the Valley	2 00@	4 00
Gladiolus, per doz.	1 50@	2 00
Peonies, per doz.	40@	75
Snapdragon, per doz.	50@	75
Sweet peas	50@	2 00
Pansies	75@	1 50
Cornflowers	60@	75
Daisies, White	75@	1 00
" Yellow	1 00@	2 00
Smilax, per doz		2 00
Asp. Plu. & Sprengeri, bunch		50
Asparagus strings, each		50
Adiantum, per 100	75@	1 00
Leucothoe sprays	60@	75
Ferns, per 1000		2 50
Galax, Green, per 1000		1 00
Bronze, per 1000		1 00
Boxwood, per bunch		35

Poehlmann Bros. Co.

Wholesale Growers of
and Dealers in **Cut Flowers**

All telegraph and telephone orders given prompt attention.

Greenhouses: MORTON GROVE, ILL.
35-37 Randolph St. CHICAGO.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO
Telephone, Central 3284.

WEILAND & RISCH

Wholesale Growers and Shippers of
CUT FLOWERS
59 Wabash Ave., CHICAGO.
'Phone Central 879.
Write for our wholesale price list.

WHOLESALE FLORISTS

KENNICOTT BROS. COMPANY,

Wholesale Cut Flowers.

48-50 Wabash Ave., CHICAGO.

L. D. Phone, Central 466.

Peonies Now

Price 3 to 6 cents.

We will have anything in the line of

Cut Flowers and Greens

that you may want if anybody has it, at Chicago market prices on day of shipment.

JANESVILLE, WIS.—N. H. Walker is erecting an additional greenhouse, having purchased the glass from H. M. Hooker and the other material from John C. Moninger Co., both of Chicago.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. **WHOLESALE FLORISTS** CHICAGO.

—THE—
J. M. McCullough's Sons Co.
Wholesale Commission Florists.
CONSIGNMENTS SOLICITED.
Special attention given to Shipping Orders.
Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.
Price List on Application.
316 Walnut St., CINCINNATI, OHIO.
Phone Main 584.

Holton & Hunkel Co.
WHOLESALERS OF
CUT FLOWERS and SUPPLIES.
462 Milwaukee St.,
MILWAUKEE, WIS.

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations and all kinds of Seasonable Flowers in stock.
WM. F. KASTING CO. Wholesale Commission Florists.
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

Weiland & Olinger,
128 E. Third St., CINCINNATI, OHIO.
Wholesale Growers and Shippers of Cut Flowers.
Greenhouses, NEW CASTLE, IND.

Wholesale Flower Markets

BUFFALO, July 22.

Roses, Beauty	3 00@25 00
" Bride, Bridesmaid, Meteor	3 00@ 8 00
Carnations	1 00@ 2 00
Lily of the Valley	3 00@ 4 00
Smilax	15 00
Adiantum	50@ 1 50
Lilies	8 00@12 00
Galax, per 1000	$1 50
Ferns, per 1000	1 50
Sweet Peas	20@ 50
Asparagus Sprengeri, per bunch	25 50
Asparagus Plumosus, per bunch	25@ 50
Asters	1 00@ 2 00

CINCINNATI, July 22.

Roses, Beauty	$1 00@$ 3 00
" Bride, Bridesmaid	2 00@ 4 00
" Richmond	2 00@ 4 00
" Golden Gate	2 00@ 4 00
" Ivory	2 00@ 4 00
Carnations	1 00@ 2 00
Lily of the Valley	2 00@ 3 00
Shasta Daisies	50
Harrisii	10 00
Smilax	12 50@15 00
Asparagus Plumosus and Sprengeri in bunches, per bunch, 25c	
Eastern Ferns, per 1000, $1 50	
Galax, Green and Bronze	1 00
Sweet Peas	50

ST. LOUIS, July 22.

Roses, Beauty, long stems	2 00@ 2 50
" " medium stems	1 50@ 2 00
" " short stems	3 00@ 6 00
" White Cochet	1 00@ 5 00
" Pink Cochet	1 00@ 5 00
Carnations, common	75@ 1 00
" best	1 50@ 2 00
Smilax	12 50
Asparagus Sprengeri	1 00@ 2 00
" cut sprays	1 00@ 2 00
Ferns, fancy, per 1000	$2 00
Lily of the Valley	3 00
Sweet Peas	15@ 25
Asters	1 00@ 3 00
Gladioli	3 00@ 5 00

MILWAUKEE, July 22.

Roses, Beauty	75@ 3 00
" Liberty, Chatenay	2 00@ 6 00
" Bride, Bridesmaid	2 00@ 6 00
" Richmond, Golden Gate	2 00@ 6 00
" Perle	1 50@ 6 00
Carnations	1 00@ 2 00
Lily of the Valley	3 00
Giganteum Lilies	8 00
Harrisii Lilies	6 00@ 8 00
Adiantum	1 50
Sweet Peas	25
Gaillardia	50@ 1 00
Shasta Daisies	50
Asparagus, per string	50
Asparagus Sprengeri, per bunch	25@ 35
Asparagus Plumosus, " "	35
Galax, per 1000	1 50
Smilax, per doz	1 50
Common Ferns, per 1000	1 50

Buffalo Cut Flower Co.
495 Washington St.,
J. N. BAILEY, Manager.
BUFFALO, NEW YORK.
Long Distance Phones:
Frontier 3607. Bell Seneca 3762.
We can supply you with anything in the cut flower line, also florists' supplies and wire designs.
Open 7 a.m. to 7 p.m. Sundays 8 a.m. to 12 m.

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Wholesale Florists and Supplies,
115 N. 6th St., MINNEAPOLIS, MINN.
CUT FLOWERS received twice daily. Can fill your orders to your satisfaction. Also headquarters for Wild Smilax, Boxwood, Galax Leaves, Hardy Fancy Ferns. Prices quoted on large quantities.

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Wholesale Florist,
1122 Pine St., ST. LOUIS, MO.
A Complete Line of Wire Designs

Wm. C. Smith & Co.
WHOLESALE FLORISTS,
Bell, Main 2018. Kinloch, Cent. 410.
1316 Pine St., St. Louis, Mo.

H. G. BERNING,
Wholesale Florist
1402 Pine St., ST. LOUIS, MO.

St. Louis.

STOCK POOR.

Very hot and sultry weather has had a very bad effect on stock and shipments received showed it. Carnations are getting poorer daily and even stock which was of fair quality a week ago now arrives in a sleepy condition. Roses, too, are poor; some good Bride can be seen and American Beauty is fairly good and clean up sales of these are made daily. Gladioli are now arriving in much larger quantities, but as yet have cleaned up well, the light colors selling at $4-$5 while the dark colors are cleaned up at $2 per 100. Asters are small and white ones are scarce mostly all with short stems and yellow centers. Most of the retailers are now repairing and fixing up their stores for the coming season. Many are taking and giving their employes vacations. Funeral work has been steady all week and stock has held up well being cleaned up if in any way of fair quality.

NOTES.

George Angermueller and wife leave Sunday for a three weeks' vacation. They are going to the northern lakes by way of Chicago. Fred Alves and Al Gumz, assisted by C. N. Wors will have charge and look after George's interests during his absence.

W. Osseck returned Friday from his wedding tour; he and his wife are looking fine. They visited New York, Niagara and other eastern resorts. Will Smith is glad that his partner has returned to share the work.

E. W. Hicks has leased his greenhouses to Albert Senger who also runs greenhouses at Cote Brilliant avenue. At Hick's place he intends to grow bedding plants and a house of carnations for cutting.

Miss Hilda Dammann, Young's cashier, has gone on her well earned three weeks' vacation. She will spend her time at Atlantic City and other eastern resorts.

Young & Sons are busy painting and papering their store on Fourteenth and Olive streets. They expect to have several changes before the season opens.

Andrew Meyer, Sr., has a house full of Nephrolepis Whitmani and one of N. elegantissima. He expects them to be in fine shape for the fall trade.

Oscar Heile now visits the wholesale district accompanied by his little four-year-old granddaughter of whom he is very proud.

Ed. Kalisch is going on a fishing excursion up the Mississippi in his gasoline launch. He will be gone about a week.

F. C. Weber and wife are expected home by the end of the month; from latest reports they are having a splendid time.

Mrs. Theo. Faller, who recently sold her greenhouses to Grimm & Gorley, has opened up a retail store on Euclid avenue.

Joe O'Rourke is no longer in the employ of Wm. C. Smith & Co. This firm reports increased sales of wire goods.

Annie Bernhardt at Seigel's is away on her vacation. She visits St. Paul, Milwaukee and Chicago.

John Connon and wife have just returned from the east. They also visited Canada.

Adolph Ahner's violets are looking fine. He expects to have a good crop this winter.

Otto Bruening at Bernings has returned from his vacation.

Visitor: W. A. Hastings of A. H. Hews & Co., of Cambridge, Mass.

W. F.

POST FALLS, IDAHO.—Wallon & McKay, who are preparing to erect new greenhouses on the south side of the river, have a crew of men at work erecting a 6,000 gallon water tank. It is being placed on a tower 40 feet high.

Traendly & Schenck,

WHOLESALE FLORISTS,

44 West 28th Street, Phones, 798 and 799. New York City.

Alexander J. Guttman,
THE WHOLESALE FLORIST OF NEW YORK
34 WEST 28th STREET
PHONES, 1664-1665 MADISON SQUARE
ENOUGH SAID

New York.

A PLAGUE OF MOTHS.

The drought was broken July 14 by a heavy downpour of rain accompanied by hail, thunder and lightning. Though large stories have been told as to the size of hailstones, no damage to glass, worthy of mention, occurred in this vicinity. Though the rain has done much good in practically saving the aster and other crops, the effects of the long continued drought are very noticeable in parks and public grounds where watering was not, or could not be done, the grass being about ruined. Sweet peas are very much injured in quality. With the exception of gladioli and lilies, all stocks, both indoor and out, are now rather shy, but the demand is light and there is little inconvenience. To add to the discomforts of the heat, a host of white moths have spread themselves over the city during the past week. The same pest was reported from Boston a week ago, so they seem to be travelling by easy stages. They have, in some localities, been erroneously reported as the brown-tail moths, but are an altogether distinct variety. Old residents of this city say that there has not been a visitation of this species since 1862. In the hope of destroying them before they lay their eggs, the park department has resorted to vigorous spraying of the trees where they most abound.

July 20.—The market opened this morning with a very light supply of stock, but a correspondingly small number of buyers. The weather has settled back to its old gait of heat and drought and a day's rain is needed. There is an average supply of asters but the best are not yet in. Sweet peas are very short.

NOTES.

John A. Scollay has just closed a contract with the trustees of Plymouth church, Brooklyn, for the complete reheating of the church, class and Sunday school rooms with hot water. One Scollay hot water boiler will be installed for the work in place of the hot air furnaces which have long been used. This noted church which has long since become a household word throughout the English speaking world, through its late famous pastor, Henry Ward Beecher, is well known to many readers of the AMERICAN FLORIST. Its present pastor is Rev. Newell Dwight Hillis, formerly of Chicago.

The Plaza hotel has taken the lead in fine window box and veranda decorations. Between the immense marble pillars of the veranda, there are a number of large boxes, over 10 feet in length, filled with palms, Ficus pandurata, dracænas, pandanus and other foliage plants, and the effect is very striking. In addition to these, there are many well filled window boxes on the ground floor windows of the hotel.

During the storm of July 14 a defective gutter caused an overflow of water in the building occupied by the wholesale stores of Walter F. Sheridan and Frank S. Hicks & Co. No great damage was done but there was, for the time being, some lively steps taken to get matters straightened out.

Ralph M. Ward has recently purchased a handsome villa at Boundbrook, N. J. There is considerable land attached and Mr. Ward is already at work trying out bulbs and other flowering plants.

Chas. H. Totty and wife sailed on the Carmania, July 24, for Liverpool and have planned to see considerable of the old country within the next two months.

Andrew Scott, nephew to Alex. McConnell, and buyer for his store, sailed for Europe on the last trip of the Mauritania. He will be absent about six weeks.

B. S. Slinn, Jr., has just returned from a two months' visit to Europe.

Tel. 1009 Madison Sq. Established 1872

PERKINS & NELSON,

Wholesale Florists,

57 West 26th Street, Cor. 6th Avenue NEW YORK.

Wholesale Flower Markets

NEW YORK July 22.

Roses, Beauty, special	20 00@25 00
" " fancy	8 00@10 00
" " extra	4 00@ 8 00
" " Nos. 1, 2 and 3	50@ 3 00
" Richmond	1 00@ 4 00
" Kaiserin special	4 00@ 6 00
" Bride, Bridesmaid, Killarney extra and special	2 00@ 4 00
" No. 1	50
" No. 2	25
Carnations all grades	1 00@ 1 50
Lilies	3 00@ 6 00
Rubrum and auretums	2 00@ 4 00
Lily of the Valley	1 00@ 2 00
Asparagus Plumosus strings	25 00@40 00
" per doz. bunches	2 00@ 3 00
Smilax	8 00@10 00
Cattleyas	35 00@40 00
Gardenias	2 00@15 00
Asters	1 00@ 2 00
Sweet Peas....per dozen bunches	25@ 50
Snapdragon	1 00@ 3 00
Gladiolus	2 00@ 4 00
Centaureas	1 00@ 2 00
Daisies	25@ 30
Coreopsis	25@ 30
Candytuft.....per dozen bunches	40@ 50
Feverfew.....per dozen bunches	60@ 75

FORD BROS.,

Receivers and Shippers of

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Telephone 3870-3871 Madison Square.

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John Seligman & Co.

WHOLESALE FLORISTS,

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Opposite N. Y. Cut Flower Co.

Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best Prices. Satisfaction guaranteed. Tel. 4878 Madison.

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All flowers in season. Consignments of first-class stock solicited.

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WHOLESALE COMMISSION.

American Beauty Roses a Specialty. Roses, Violets, Carnations, Valley, Lilies, Etc.

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Telephones: 2200 and 2201 Madison Square.

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Young & Nugent,

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42 West 28th St., To out-of-town Florists: We are in the Heart of New York

And give Special attention to Steamer and Theater orders. Prompt deliveries and best stock in the market.

N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York.

Open for Cut Flower Sales at 6 o'clock Every Morning.

Desirable Wall Space to Rent for Advertising.

V. S. DORVAL, Secretary.

Samuel A. Woodrow

WHOLESALE

PLANTSMAN AND FLORIST,

53 W. 30th St., NEW YORK.

Out of Town Orders a Specialty.

Telephone 2083 Madison. Consignments solicited

—FLOWERS SHIPPED BY—

JOHN I. RAYNOR

Are the best product of the best growers for the New York Market.

Adiantum Croweanum sold here exclusively.

49 W. 28th St., NEW YORK

Telephone 1998 Madison Square.

Philadelphia.

TRADE FAIR FOR THE SEASON.

There is little that can be said encouraging about the state of trade except that while the volume of business is small it is quite up to that of a year ago at this time. What little good stock is offered seems to find buyers at fair prices. Leaders in the market are American Beauty and Kaiserin roses, asters, lily of the valley, Lilium auratum, Album Roseum and longiflorum lilies. There are a few fair carnations. Bride and Bridesmaid, Killarney and a few Richmond roses are still seen in most stocks but they run very small. Green goods are plentiful, hardy wood ferns now being offered at 75 cents to $1 per 1,000. Gladioli must not be forgotten as they make a very showy addition to the stock. The very dry weather which we have been experiencing for the past three weeks in some localities where rain of any consequence has not fallen for a month, promises, unless relief comes immediately, to almost entirely ruin the crop of asters and other outside flowers. Asters, besides suffering from the drought, are dying in large quantities from a disease called dry rot which starts at the top of the plant and goes down to the root. In some cases from one-third to one-half of the crop has been affected and there seems so far to be no remedy. Outside carnations, while still looking healthy, are small, having made but little growth. Inside culture will get quite a boost as compared with the results outside this season.

NOTES.

G. D. Clarke, in charge of the fern department of the H. A. Dreer nurseries at Riverton, is justly proud of two houses of Adiantum Farleyense; the plants are in splendid condition, coming on in the various sizes suitable for the fall trade. When asked for the secret, he answered: "Nothing mysterious about it, just give them a chance in houses in which one can control light, heat and air." There is heat on here at all times—hot water—so as to have just little or more as required. Cybotiums are grown here as nowhere else in the country. The firm has a great demand for this fern, always having a lot coming on into special sizes for orders. Two other leaders are Cocus Weddelliana in large sizes and Phœnix Rœbelenii in quantity, 75,000 in from 2-inch to 8-inch pot specimens. A great future is predicted for this palm when it becomes more generally known.

In speaking of the drought Leo Niessen who has a fine lawn and garden at his residence in Olney, says that he has spread about an inch of peat all over the garden and finds it very beneficial, the plants seeming to thrive very much better where this is used than where the surface of the soil is open. He says the effect is to shade the ground and keep it moist.

The sale of the decorative material and stock of the Wm. Graham Co. in Horticultural Hall last Wednesday and Thursday was fairly satisfactory, something over $2,600 being realized. The principal local buyers were J. J. Habermehl's Sons, Julius Wolff, J. Keegan, and John Gracey. It is thought that the creditors will soon receive their first dividend.

The Leo Niessen Co. is handling some very choice white and purple asters. Mr. Niessen says the aster supply is getting better every day and all that is needed now is a heavy rain and there would be plenty of good stock. New crop American Beauty roses are also coming in nicely; they are in good demand, being the only rose of quality available.

E. J. Fancourt, Chas. Meehan, and Wm. K. Harris, Jr., were fishing in Great Egg Harbor bay off Ocean City last week. K.

JOHNSTOWN, PA.—Herman Neissner is adding a new greenhouse this season.

Boston.

FUNERAL WORK PLENTIFUL.

The market still continues quiet, the largest call for flowers being for funeral work, of which there has been quite a lot this week. The quality of stock is poor in general owing to the drought of the past three weeks. Kaiserin and Carnot are the best roses to be had, and the best are bringing from 10 to 12 cents while the inferior grades are from two to four cents. Gladioli are scarce and the growers are getting eight cents for them. The first asters came in this week and are poor in size and quality, but are bringing $1 per 100. Lilium longiflorum is very good and brings six to eight cents.

NOTES.

The Master Plumbers' Association held its annual convention here this week giving a banquet and ball at the Somerset hotel July 16, and quite a large number of palms and cut flowers were used in decorations..

The Horticultural Society had an exhibition of sweet peas July 18, in Horticultural Hall and many beautiful varieties were displayed.

Cards are out for the wedding of James Travers, the shipper at Galvin's which takes place August 4. B.

Massachusetts Horticultural Society.

The following is a partial list of awards at the sweet pea exhibition of the Massachusetts Horticultural Society, July 18-19.

Sweet peas, display of 30 distinct named varieties, filling 30 vases.—E. Jenkins, first. Twelve varieties, named, six sprays of each—E. Jenkins, first; Joseph Thorpe, second; Thomas Howden, third. Fifty sprays, white—E. Jenkins, first; Thomas Howden, second; W. A. Riggs, third. Fifty sprays, light pink—Thomas Howden, first; E. Jenkins, second; W. A. Riggs, third. Fifty sprays rose colored—Thomas Howden, first; W. A. Riggs, second; Col. Frederick Mason, third. Fifty sprays, blue or purple— E. Jenkins, first; Thomas Howden, second; Mrs. Lester Leland, third. Fifty sprays, lavender—E. Jenkins, first; Thomas Howden, second; Col. Frederick Mason, third. Fifty sprays, red or crimson—Thomas Howden, first; E. Jenkins, second. Fifty sprays, any other color—E. Jenkins, first; Thomas Howden, second. Fifty sprays, any other color—E. Jenkins, first; W. A. Riggs, second; Col. Frederick Mason, third. Hardy herbaceous flowers, 30 bottles, distinct species and varieties, not less than 10 genera—Blue Hill Nurseries, first and second; Bellevue Nurseries, third.

Gratuities: Mrs. Lester Leland, sweet peas; Col. Frederick Mason, sweet peas; Wm. Whitman, sweet peas; Frederic J. Rea, herbaceous plants; Wm. Whitman, phloxes and herbaceous plants; George Hollis, display of phloxes; Harvard Botanic Garden, display of gloxinias; Mrs. Frederick Ayer, Asparagus Sprengeri.

R. & J. Farquhar & Co., received honorable mention for Rudbeckia fulgida, and an exhibit of new lilies from North China, and a vote of thanks for a display of herbaceous plants.

Pittsburg.

STOCK VERY SCARCE.

Notwithstanding the fact that the retailers are doing very little business the scarcity of stock was very noticeable, especially carnations, for which there was a good demand, with so few to be had that everyone had to be content with less than he needed, as there seemed to be nothing to use as a substitute. There were very few asters and this made the scarcity of carnations even more noticeable as roses did not seem to fill the bill. Lily of the valley, while very plentiful early in the week, has been very scarce the last few days. This lack of stock did not bring any great increase in prices, however, due to the poor quality of that which was available. Gladioli are fine and coming in more plentifully; these find a very ready sale.

NOTES.

Pittsburg Florists' Exchange is receiving some very fine early asters. E. T. Grave, Richmond, Ind., and C. Betscher, Canal Dover, O., are shipping fine early gladioli to this exchange.

J. B. Murdoch & Co. are handling some very fine Killarney and Richmond roses.

Pittsburg Cut Flower Co. is handling some nice American Beauty roses.

J.

Albany, N. Y.

H. G. Eyres is spending all his spare time with his family at his summer home at Canaan near the Massachusetts line. Fred A. Danker hies away from time to time to Kinderhook lake to troll for bass and pickerel; others, both florists and their employes, are looking for their annual respite of two or three weeks in the mountains or by the sad sea waves.

Beginning Saturday, July 11, the local florists agreed to keep their stores closed on Saturday afternoons until September 5, inclusive. So far the agreement has been generally kept and it is expected that it will so continue.

R. D.

Origin of Flower Names.

It is interesting to know how certain flowers got their names. Many were named after individuals. For instance: Fuchsias were so called because they were discovered by Leonard Fuchs. Dahlias were named for Andre Dahl, who brought them from Peru. The camellia was so called for a missionary named Kamel, who brought some magnificent specimens of the flower to France from Japan. He called it the rose of Japan, but his friends changed it to camellia. Magnolias were named in honor of Prof. Magnol de Montpelier, who first brought the beautiful tree to France from Americca and Asia. Because they trembled with the wind is the meaning of anemones. The Latin word to wash is lavare and lavender received its name because the Romans put the flowers into the water when they washed, to perfume their hands.

European Horticulture.

FROM THE FRENCH TRADE PAPERS.

THE FRENCH FEDERATION OF FLORISTS' SOCIETIES has already carried through two horticultural excursions, one last fall, to England, which was a great success; that of this spring, to the principal horticultural centers of Holland and Belgium, lasting five days, at an expense of $30 for the round trip from Paris. This included Antwerp, Brussels, Ghent, Haarlem, Boskoop and the Hague—surely a great itinerary.

PELTARIA ALLIACEA.—A hardy perennial certificated by the French National Society of Horticulture in 1906, and most highly recommended for white masses in the border in May and June, following Alyssum saxatile and the arabis. It grows one to two feet high, sends up numerous stiff stems crowned with large panicles of small white flowers which give the effect at a distance of a mass of white. It is very hardy; should be sown in spring. Transplanted and set in place in the fall, it will bloom the following year, and is recommended for giving the maximum of effect for a minimum of care.

BROOKLYN, N. Y.—Merle L. Thorpe has taken over the business of the Handley Floral Co. after two years of successful management of the concern.

SUMMER BEAUTIES
Fancy Kaiserins,
Choice Valley,
——SOME OF OUR SUMMER SPECIALS.——

THE LEO NIESSEN CO.
WHOLESALE FLORISTS,
1209 Arch St., PHILADELPHIA, PA.

Everything Seasonable.
PITTSBURG FLORISTS' EXCHANGE, —15— Diamond Sq., Pittsburg, Pa.

AMERICAN BEAUTIES
Lily of the Valley, Carnations and all Tea Roses,
In lots of one hundred to one thousand. Phone or wire us.
WELCH BROTHERS, 226 Devonshire St. Boston, Mass.

GRAFTED AND OWN ROOT ROSES
KAISERIN, CARNOT, KILLARNEY, RICHMOND, LIBERTY, BRIDE and BRIDESMAID.
—Send For Prices—
W. H. ELLIOTT, BRIGHTON MASS.

ALL KINDS OF
OUTSIDE FLOWERS
and Blossoms in Season.
JOHN W. McINTYRE,
1601 Ranstead St., PHILADELPHIA.

J. J. Harty & Company
Wholesale and Commission
.FLORISTS.
1312 G St., N. W., Washington, D. C.
Phone Connection Main 5011

CARNATIONS in quantity. Special prices on large orders.
ABSOLUTELY THE BEST POSSIBLE SERVICE.
W. E. McKissick
WHOLESALE FLORIST.
Business Hours 7 a.m. to 8 p.m. 1619-1621 Ranstead St., PHILADELPHIA, PA.

Baltimore.

FLOWERS VERY SCARCE.

Business is quiet, little activity being expected at this particularly dull portion of the year when the entire demand seems confined to the demands of the hospital and the cemetery. This city is noted for the number and excellence of its hospitals and the patients are the recipients of numerous floral tokens of sympathy and hope from their friends, and the business which accrues in this way makes no inconsiderable proportion of our summer trade. Aside from all commercial aspects, how appropriate it seems to send to the sick and suffering Nature's messengers of consolation. Florists should omit what is commonplace and inappropriate. Let the message of interest and sympathy be spoken clearly in the material, the arrangement, the delicacy of the creation. Put aside the garish and the bizarre, and in the simplest bunch or the most elaborate offering, let good taste, natural combination, choice material, always prevail over the pretentious and the showy. The excessive dry weather continues. There have been a few showers, but they are not general nor copious. Outdoor flowers are scarce, and such subjects as asters seem drying up, and if they give any bloom promise short stems and inferior quality. Carnations and sweet peas are over, and, practically, sole reliance is on the few asters which are home-grown, the gladiolus, which adapts itself to so few uses, and some little hardy stock. Pasture lands and lawns are brown, the leaves of some varieties of trees are already falling, the vegetable gardens and truck patches are drying up, springs and water courses are shrinking, and a generally uncomfortable feeling is caused all around by the insufficiency of moisture.

The semi-annual meeting of the Florists Exchange was held on Monday, but there was no business transacted except the receipt and adoption of the report of the auditing committee appointed to examine the books and accounts of the corporation. The result of the six months' business has already been foreshadowed in these notes. All hands are encouraged by the showing made in such dull times.

S. B.

Wholesale Flower Markets

PHILADELPHIA, July 22.

Roses, Beauty, extra	20 00@25 00
" " first	10 00@15 00
" Tea	4 00@ 6 00
" " extra	8 00@10 00
" Liberty	6 00@25 00
Carnations	1 50@ 3 00
Lily of the Valley	2 00@ 3 00
Asparagus, bunch	50 00
Smilax	15 00@20 00
Adiantum	1 00@ 1 50
Cattleyas	50 00@60 00
Lilium Harrisii	6 00@ 8 00
Mignonette	2 00@ 3 00
Sweet Peas	50@ 75
Gardenias	15@ 25

PITTSBURG, July 22.

Roses, Beauty, specials	20 00@25 00
" " extras	12 00@15 00
" " No. 1	8 00@10 00
" " ordinary	4 00@ 6 00
" Bride, Bridesmaid	2 00@ 6 00
" Chatenay	2 00@ 6 00
" Richmond	2 00@ 6 00
" Perle	4 00
" Killarney	2 00@ 6 00
Carnations	1 00@ 1 50
Lily of the Valley	3 00@ 4 00
Smilax	8 00@12 00
Asparagus, strings	30 00
" Sprengeri	1 00@ 2 00
Lilies	12 50
Adiantum	1 00
Cattleyas	75 00
Sweet Peas	25 50
Gladiolus	2 00@ 5 00

BOSTON, July 22.

Roses, Beauty, best	15 00@25 00
" " medium	10 00@12 00
" " culls	2 00@ 4 00
" Bride, Bridesmaid	1 00@ 2 00
" Extra	4 00@ 8 00
" Liberty	8 00@12 00
Carnations	75@ 1 00
" fancy	1 00@ 2 00
Smilax	8 00@12 00
Adiantum	75@ 1 00
Lilies	6 00@ 8 00
Asparagus	35 00@50 00
Harrissi	6 00@ 8 00
Callas	4 00@ 8 00
Narcissus	1 00@ 2 00
Sweet Peas	35@ 50

CEDARVILLE, N. J.—Mrs. Rae Henderson has purchased the stock of Wm. H. Henderson to add to her own.

J. B. Murdoch & Co.
714 Penn Avenue,
PITTSBURG, PA.
All Seasonable Flowers.

Pittsburg Cut Flower Co.
(Limited)
WHOLESALE FLORISTS
222 Oliver Ave. PITTSBURG, PA.

GREENWICH, CONN.—Alexander Mead & Son have bought the greenhouses of John Cooke at the corner of Lafayette place and Lake avenue. They will use the land for building purposes and the fixtures for their business.

PITTSBURG, PA.—The floral bed in West park, in the shape of a silver dollar and showing clearly the head of the goddess of liberty is the pride of James Moore, assistant superintendent of the north side parks. Mr. Moore began the bed about June 1, and it took six men three days to build it and set it out. The goddess is entirely made up of different varieties of echeveria, with a background of alternanthera.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

Cincinnati.

STOCK SCARCE.

Stock is very scarce at this writing and from present indications will remain that way for some time to come. There is plenty of business to take up all flowers coming in and at times it takes some tall hustling to get enough flowers for orders. One redeeming feature is the fine lot of lilies such as L. auratum, L. longiflorum, Album and Rubrum, that Wm. Speck is sending in, for without these it is pretty hard to tell what could be used for a decent funeral bunch. Roses are very poor and very few to be had that are worth mentioning. Contrary to predictions carnations are holding up first rate and some very good flowers are to be had for this season of the year. Gladioli are fine. Coblentz, of New Madison, and Graves, of Richmond, Ind., are sending blooms to this market which would be hard to beat for quality. Green goods of all kinds are plentiful and we do not have to turn down any orders for these. Alfred Murphy is hitting the market about right with asters. While the stems are short the flowers are good, and Al. is getting the money. Strange thing with this boy, we never hear much of him but as soon as the market is shy of flowers he comes along with something that manages to help more than one store man out of a predicament. Would we had more growers like him.

NOTES.

Wm. Murphy reports carnations at Murphyville to be in good shape and the growers in this section are busy getting their houses ready for the coming season. Will grew three-fourths of his stock in pots this year and has all but three houses planted. He hopes to house 60,000 plants this year and will begin cutting from some of the new stock shortly.

Geo. Corbett, College Hill, has all his carnations benched and is now preparing to install a Kroeschell boiler. His violets are looking well, and we can look forward to a fine lot of stock from this place the coming season.

Charlie Critchell is now the happy daddy of a bouncing baby boy and is about the proudest and happiest florist in these parts. Mother and son are getting along very well. S.

Davenport, Ia.

Chas. Hummel has begun the erection of one new house and the rebuilding of his old. Mr. Hummel is building the walls of concrete.

Ludwig Stapp's large new house is ready for the glass, and things in general are up to the high grade that is always found here.

Harry Bills has completed his new modern greenhouse and is building benches and getting ready to house carnations.

Three new houses, two 17x100 and one 10x100 feet, will soon be built at Central park. T. E.

PHILADELPHIA, PA.—When arrested by Acting Detective Emanuel July 16, for the larceny of several hundred dollars worth of goods from the store of his employers, H. Bayersdorfer & Co., Wm. Brookland, 213 Carpenter street, implicated Michael Tranchitella, 904 Carpenter street. He said Tranchitella, who was a customer of the firm, had him take a package of stolen materials to him nearly every night since last October and had paid him for them. Detectives who searched Tranchitella's house said they found none of the stolen goods. He was held for receiving stolen goods and Brookland for larceny.

Mobile, Ala.

Chatogue Greenhouses

TWO ACRES UNDER GLASS. ONLY HIGH CLASS FLORAL WORK SOLICITED.

Orders to be delivered at short notice in or near Mobile or New Orleans will be executed with fresh stock from our mammoth plant by our own artist at Mobile, or Mr. U. J. Virgin, New Orleans Orders by telegram at our expense.

Reference: R. G. Dunn & Co.

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J. W. Wolfskill,

FLORIST,

Telegraph Orders a Specialty. 218 W. 4th St.

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HOUGHTON & CLARK,

FLORISTS

Telephone Connection. 396 Boylston St.

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Woodland Seed & Floral Co.,

808 Second Avenue,

Will fill all orders for Cut Flowers, etc. for steamers for Japan and Alaska or any part of the Pacific coast. A. L. AABLING, Gen. Mgr.

Buffalo, N. Y:

Palmer's

W. J. Palmer & Son, 304 Main St.

Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.

Greenhouses: Short Hills, N. J.

—Deliveries in—

NEW YORK, LONG ISLAND and NEW JERSEY.

St. Louis, Mo.

Fred C. Weber,

FLORIST,

Established 1873. Bell, Lindell 676. 4320-4328 Olive St.

Atlanta, Ga.

ATLANTA FLORAL CO.

41 PEACHTREE STREET.

MANITOWOC, WIS.—C. F. Altman & Sons who conducted greenhouses at the corner of Washington and Sixth streets, have sold the real estate, consisting of five lots, to the Wm. Rahr Sons Co. The personal property and the business was sold to Hugo Rudolph. The Altman Co. will retire from business in this city. Alfred and William Altman will go to Ogden, Utah, to engage in the wholesale floral business with their brother Reinhardt, who is now located there.

London, Eng.

COMMISSIONS CARRIED OUT IN LONDON

or any part of Great Britain.

Messrs. WILLS & SEGAR will attend to any commissions from American florists for the supply of Cut Flowers, Birthday flowers, Bouquets, High Class Floral Designs, etc. to their clients who may be traveling in England.

WILLS & SEGAR, Court Florists to His Majesty, The King.

ROYAL EXOTIC NURSERY.

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Evansville, Ind.

—THE—

Wm. Blackman Floral Co.

402 MAIN STREET.

Prompt attention given to all mail, telephone and telegraph orders.

Galveston, Tex.

Mrs. M. A. Hansen

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Special attention to Telegraph or Telephone orders, 'Phone 1912.

St. Paul, Minn.

HOLM & OLSON,

ST. PAUL.

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in MINNESOTA AND THE DAKOTAS.

Rochester, N. Y.

J. B. KELLER SONS,

FLORISTS,

25 Clinton Avenue, N.

Rochester Phone 506. Long Dis. Bell Phone 2189

Washington, D. C.

Blackistone

14th and H Streets.

New Orleans

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838— CANAL ST.

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address: "Daniels, Denver."

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

Chicago.
Established in 1857.

Wittbold FLORIST

1657-1659 Buckingham Place,
L. D. Phone 558 Lake View.
Send us your retail orders.
WE HAVE THE BEST FACILITIES IN THE CITY

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland,
FLORIST,
60 KEARNEY STREET.

Honolulu, Hawaii.

Mrs. Ethel M. Taylor

THE HONOLULU FLORIST,
Alexander Young Hotel Building,
1071 Bishop Street,
Cable address, "Florist." Telephone 339.

Cleveland, O.

The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

New York.

MYER, FLORIST,

609-611 MADISON AVE.
Phone 5297 Plaza.

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GUDE BROS. CO.
FLORISTS
1214 F ST. N.W.
WASHINGTON, D.C.

Gude's.

St. Louis, Mo.
WRITE, WIRE OR PHONE YOUR ORDERS TO

YOUNGS,

1406 Olive Street.
Regular discount allowed on all orders, either Plants or Cut Flowers.
Phones Bell, Main 2306. Kinloch, Central 4981.

Dayton, O.

Matthews,

—FLORIST—
16 W. 3rd Street.
Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones

Detroit, Mich.

John Breitmeyer's Sons

Cor. Miami and Gratiot Aves.

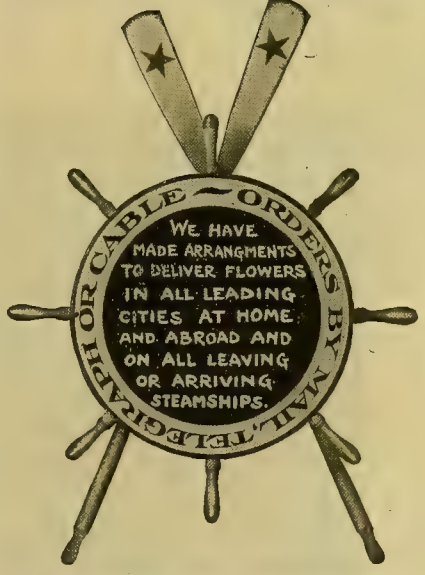
Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Kansas City, Mo.

WILLIAM L. ROCK Flower Co.,

Will carefully execute orders for Kansas City and any town in
Missouri, Kansas or Oklahoma.



A sign like this in your window will draw good business now.

Steamship Sailings.

WEEK ENDING AUGUST 1.

July 27, Ivernia, Liverpool-Boston.
July 28, Saxonia, Boston-Liverpool.
July 28, Kaiser Wil der Grosse, N. Y.-Bremen.
July 28, Kronprinz Wilhelm, Bremen-New York.
July 29, Oceanic, New York-Southampton.
July 29, Adriatic, Southampton-New York.
July 29, Noordam, New York-Rotterdam.
July 29, Chemnitz, Baltimore-Bremen.
July 30, Bluecher, Hamburg-New York.
July 30, Prinz Friedrich Wilhelm, N. Y.-Bremen
July 30, La Touraine, New York-Havre.
July 30, Dominion, Liverpool-Montreal.
July 30, Celtic, New York-Liverpool.
July 30, Cedric, Liverpool-New York.
July 31, Virginian, Montreal-Liverpool.
July 31, Numidian, Boston-Glasgow.
July 31, Laurentian, Glasgow-Boston.
Aug. 1, Philadelphia, N. Y.-Southampton.
Aug. 1, New York, Southampton-New York.
Aug. 1, La Bretagne, Havre-New York.
Aug. 1, Canada, Montreal-Liverpool.
Aug. 1, Republic, Boston-Liverpool.
Aug. 1, Corinthian, Montreal-London.
Aug. 1, Columbia, New York-Glasgow.
Aug. 1, California, Glasgow-New York.
Aug. 1, Pennsylvania, New York-Hamburg.
Aug. 1, New Amsterdam, Rotterdam-New York.
Aug. 1, Prinzess Irene, New York-Genoa.
Aug. 1, Kroonland, New York-Antwerp.
Aug. 1, Finland, Antwerp-New York.

Omaha, Neb.

Hess & Swoboda,

FLORISTS,
1415 Farnum St. TELEPHONES 1501 and L 1582

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in WISCONSIN.

Indianapolis, Ind.

Bertermann Bros. Co.

FLORISTS
.....241 Massachusetts Ave.

Albany, N. Y.

EYRES

Flowers or Design Work.
DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.
11 NORTH PEARL STREET,

Denver, Colo.

The Park ...Floral Co.

J. A. VALENTINE, President.

Philadelphia, Pa.

Robert Kift,

1725 Chestnut Street.
Prompt and Careful Attention given to all Mail and Telegraph orders.

Kansas City, Mo.

GEO. M. KELLOGG,

906 Grand Avenue.
KANSAS CITY and PLEASANT HILL, MO.
Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

Chicago.

HAUSWIRTH FLORIST

M. C. and J. E. Hauswirth.
Auditorium Annex.
Mail, telegraph or telephone orders filled promptly in best style.

Louisville, Ky.

JACOB SCHULZ,

644 FOURTH AVENUE.
Cut Flowers of BEST QUALITY in season, delivered promptly to any address.
Write, Telegraph or Telephone
Cumberland and Home Phones 223 and 984

The Seed Trade.

American Seed Trade Association.

Watson S. Woodruff, Orange, Conn., Pres.; J. C. Robinson, Waterloo, Neb., First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-seventh annual convention, June, 1909.

ST. PAUL, MINN.—L. L. May and family moved this week to their country home at the nurseries.

OMAHA merchants have subscribed $50,000 for the National Corn Exposition to be held in that city next fall.

MRS. E. M. PARMELEE, Sheboygan, Wis., and daughter, will sail from New York for Europe on S. S. Minnehaha, July 25.

CHICAGO.—Onion sets and seed at Budlong's look well. This firm formerly grew cucumbers extensively for pickling but has been compelled to abandon this crop owing to blight and is growing potatoes instead. — On the board of trade July 22 contract prices for grass seed were noted as follows: Prime timothy, $4.20; choice white clover, $15.—A. H. Goodwin, J. C. Vaughan and L. H. Vaughan are in the pea and bean districts inspecting crops.—Visitor: Walter Retzer, St. Louis, Mo.

A LETTER has been received at an American consulate in Canada asking for the names of firms in the United States who are growers of and dealers in fancy seed peas, with a view to making arrangements to extend their business into Canada. The party making the inquiry states that he can put such firms into communication with a first-class farmer and experienced seedsman who would do business for them on a commission basis. The name can be had on application to the bureau of manufacturers, Washington, D. C.

NEW YORK.—F. H. Henry, of the firm of Henry & Lee, returned July 10 from a trip to Bermuda, whither he had gone to look after the firm's business interests. He reports a very short crop of Bermuda lily bulbs, caused by a drought that set in about the end of April and has continued throughout the season. Nine to eleven bulbs will not average more than 10 per cent of a crop, with seven to nine but little better. A well known Bermuda grower says that in his 18 years' experience he has not seen such a light crop.—Mrs. H. H. Berger and daughter were to sail for home, from Europe, July 16.—The Peter Henderson Co. has very attractive window displays of water lilies and other aquatic plants. —Visitor: Hjalmar Hartman, Copenhagen, Denmark.

Nebraska Seed Crops.

Fremont, July 16.—The Western Seed & Irrigation Co. states: "Generally speaking nearly all crops of corn and vine seeds are in a rather unsatisfactory condition, on account of the excessive rains, which have drowned out a good share of the crops in spots, and have also prevented the growers from getting into their fields to cultivate the crops at the proper time. The consequence is that a large share of the crops are spotted, and in rather a backward, weedy condition, so that we do not look for much, if any, surplus, but believe there will be many short crops, especially of the late varieties of sweet corn, and all varieties of Flint corn.

"A large percentage of the cucumber has been planted quite late, on account of the excessive rains, which delayed that operation, and many of the crops are in a weedy condition and also backward. The same will apply to quite a number of musk and water melon, also pumpkin and squash crops, which had to be replanted, on account of poor stands, and the crops being drowned out. We therefore do not look for any surplus crops of vine seeds to speak of in Nebraska, but do look for a number of shortages.

"We therefore believe that the chances for nearly everything in the line of sweet and field corn, also vine seeds, will be in good demand, and that the prices will range considerably higher next fall and winter."

ANOTHER VIEW.

Waterloo, July 16.—The J. C. Robinson Seed Co. says: "In our immediate section we have had too much wet weather, and some lands overflowed. Crops of all kinds are very backward. Corn is not what it ought to be at this season, and many fields very weedy, farmers not being able to cultivate on account of rains. Cucumber crops look fairly good, but not as far advanced as usual. Musk melon crops poor, and the melon aphis showing up in some fields. We look for a light crop of musk melons. Water melon crops are doing fairly well.

"Bugs are destroying some crops of winter squash, while summer varieties are late and backward, and some acreages lost by high water. Pumpkins at present promise a fair crop. Acreage of all varieties has been reduced by high water flooding the ground. While our soil is of such character it responds very promptly to favorable conditions, we do not regard prospects as very bright, at present."

Massachusetts Seed Crops.

July 16.—J. J. H. Gregory & Son write: "Everything is suffering for want of rain; hardly an inch has fallen for 45 days. Potatoes are a complete failure. Corn has been curling badly for the past week. Onion and carrot are now in bloom; the heads are small and if we do not have rain soon the crop will be very light. Beet seed and squash never looked better and seem to stand drought better than anything else.

"Market gardeners in this vicinity are having a hard time. Crops are drying up. Low lands seem to suffer, even though the soil appears moist. The hot dry winds apparently take the life out of all plant life."

Peas and Beans.

Grand Rapids, Mich., July 22.—Alaska peas are being harvested this week and this work will be completed next week; the crop is fair. Wisconsin farmers have grown Alaska heavily on speculation because of the high price last spring. The shortage of Horsford's and Abundance should make canners' demand for Alaska good, as they are in position to buy freely.

Medium beans for October delivery are selling at $1.75.

Imports.

During the week ending July 18 imports were received at New York as follows:

Vaughan's Seed Store; 220 cases lily bulbs.

COSMOS ROEMER.

F. Roemer's Early and Large-Flowering Hybrids.

Henry & Lee; 55 pkgs. bulbs.
Wm. Hagemann & Co.; 44 cases bulbs.
F. R. Pierson Co.; 44 cases lily bulbs.
P. Henderson & Co.; 25 cases lily bulbs.
Schulz & Ruckgaber; 20 cases bulbs.
R. M. Ward & Co.; 17 pkgs bulbs.
J. Roehrs & Co.; one case plants.

To order, 16 cases; 20 pkgs. plants, 2268 bags cloverseed; 1027 cases lily bulbs. 380 bags grass seed, 154 bags sunflower seed, 297 bags seed.

COLLEGE POINT, N. Y.—Mrs. Magdalene, wife of Henry Meinz, died on July 12 after an illness of several weeks. Mrs. Meinz was born in Germany, and she has made her home here for the past 35 years.

Braslan Seed Growers' Co.

Growers for the Wholesale Trade Only.

SAN JOSE, CAL.

BOOK YOUR ORDER NOW FOR NEW SEED.

SEEDS SEEDS SEEDS

CYCLAMEN.

Our specialty for 35 years. Collection awarded Gold Medal at Regents Park.

Grandiflora Alba, the largest giant White grown. See block 1 year old plant.

Ourown, certificate at R. B. S.
Mont Blanc, certificate at R. H. S.
Baroness Burdett-Coutts, certificate R. H S.
Crimson King, certificate at R. H. S.
Duke of Connaught, certificate at R. H. S.
Prince of Wales, Award of Merit, R. H. S.
Princess May, Award of Merit, R. H. S.
Rosy Morn, certificate at R. B. S. & R. H. S.
Picturatum, certificate at R. B. S. & R. H. S.
Dame Blanch, certificate at C. P.
Duke of Life, certificate at R. B. S.
Brilliant, certificate at R. B. S. and C. P.

Sunray, giganteum variety, fine. Full list of varieties sent on application.

PRIMULA SINENSIS,

These are in seven DISTINCT colors.

We can serve you well. Special attention given to the correct fertilization of **all** seed blooms.

ST. GEORGES NURSERY CO.,

Floricultural Seed Growers for the Trade

Terms net cash with order.
Lists and quotations free.

HARLINGTON, Middlesex, ENG.

None genuine unless this Trade Mark is stamped on the Packet. If some one tries to sell you so called Winter Sweet Peas without this Trade Mark, send back his Lemon.

ANT. C. ZVOLANEK,
Boundbrook, New Jersey.

Premium American PANSY SEED

1908 Grown and Now Ready.

Extra Choice Mixed, 1 pkt.. 10c; trade pkt., 20c; 1/8 oz., 50c; 1/4 oz., 75c; 1 oz., $2.75.
Selected Mixed, pkt., 15c; trade pkt., 30c; 1/8 oz., 70c; 1/4 oz., $1.20; 1 oz., $4.00.
Hesperian Mixture, pkt., 25c; trade pkt., 50c; 1/8 oz., $1.25; 1/4 oz., $2.25.
"How to Grow Pansies" free to any address.

WILLIAM TOOLE, Pansy Specialist,
Pansy Heights, BARABOO, WISCONSIN.

S. M. ISBELL & CO.

JACKSON, MICH.

Contract Seed Growers,

Bean, Cucumber, Tomato, Pea, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.
Correspondence Solicited.
Write for Prices on Surplus Stocks for Immediate Shipment.

LENOX, MASS.—The Horticultural Society has arranged to give two flower shows this season, one on August 15 and the second, especially for chrysanthemums, in November.

GIANT PANSY SEED
THE KENILWORTH STRAIN

is unsurpassed; the immense flowers of 3½ to 4-in. are of the most beautiful, varied, velvety colors and good substance; it is the result of years of selection. It also embraces the largest and best of the English, French, German and American strains. The stock plants are selected from many thousands of blooming plants grown for market.
New seed ready.
1000 seeds, 25c., 2000, 40c., 1/8-oz. 75c., 1/4-oz. $1.40. 1-ounce $5.00.

Chas. Frost, Kenilworth, N. J.

H. WREDE,

LUNEBURG, GERMANY.

PANSY SEED

175 First Prizes, the highest awards Chicago, Paris, London, Dusseldorf.

1000 Seeds, finest mixed....25c
1 oz. " " " ..$2.25

Price list on application. Cash with order.

PANSY SEED

THE JENNINGS STRAIN

New crop now ready. Large flowering, in great variety of fancy colors, finest mixed, one packet of 4000 seeds, $1.00; ½ oz., $2.00; 1 oz., $4.00. Cash with order.

E. B. JENNINGS, SOUTHPORT, CONN. Lock Box 254

Grower of the Finest Pansies

PANSY SEED

In separate colors and the finest mixture, embracing every conceivable shade and marking and largest flowers.
Mail card for descriptive price list.

FRANCIS BRILL,
HEMPSTEAD, NEW YORK.

CAULIFLOWER CABBAGE SEED

HJALMAR HARTMANN & CO.

31 Barclay St. NEW YORK. **12 Stormgade, COPENHAGEN, DENMARK.**

To the Seed Trade

A rare opportunity to get our now famous

California Pearl Cauliflower

This is the first season we have had a surplus to offer. The same can now be said of our locally popular

Oregon Evergreen Sweet Corn

Write at once for our special circulars.

Johnson & Musser Seed Co.
113 N. Main St., LOS ANGELES, CAL.

Seed Beans

F. L. HOGUE,

CARPINTERIA, CAL.,

Grower for the Wholesale Trade only.

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower

Specialties: Lettuce, Onion, Sweet Peas, Aster Cosmos, Mignonette, Verbena, in variety. Correspondence solicited.

Rogers Brothers,

SPECIALTY GROWERS.

Purest Strains GARDEN PEA and BEAN SEED.

For the Wholesale Trade. ALPENA, MICH.

The C. H. Lilly Co.

SEATTLE, WASH.

Growers of

Puget Sound Cabbage Seed.

10 per cent Special CASH DISCOUNT. On orders over $2.00 for Flower Seeds if the cash is enclosed, 10 per cent. The discount does not apply to Asparagus Seed. Cash discount on this is 2 per cent.

Vaughan's Flower Seeds
For Summer Sowing.

If you have not received our complete list of **Pansies, Primroses,** and **Perennials,** kindly write for the same.

Calceolaria Hybrida.

Our mixture is composed of the choicest selection of the tigered, marbled, spotted and variegated varieties and we know will give entire satisfaction. **Trade Packet** (1000 seeds) **50c.; 3 trade pkts for $1.40.**

Gloxinia Hybrida.

Vaughan's Columbian Mixture is made up by ourselves from the choicest spotted, tigered, edged, marbled and splashed sorts of the upright and horizontal type. **Trade pkt.** (1000 seeds) **50c, 3 pkts for $1.40.**

Mignonette, New York Market.

This is an extra choice strain of Mignonette for greenhouse culture. Our seed is greenhouse grown, raised by a most careful grower. **Packet,** (about 1000 seeds) **50c.; 1/8-oz. $1.50.**

Vaughan's International Primula Mixture.

This mixture is composed of the most salable colors of single Chinese Primulas. We have taken special pains to make this mixture as complete as possible and unreservedly recommend it. **Packet of 250 seeds, 50c.; 5 pkts. 1250 seeds, $2.00; per 1-16 oz. $2.50.**

Pansy—Vaughan's Cut Flower Mixture.

This mixture is put up by our ourselves and contains mostly light colored sorts. We have sold this mixture for several seasons to some of our Chicago cut flower growers who have realized big returns from the sale of the flowers. Pansies are as easily grown as violets, require less care and bring better returns. **Trade pkt. 50c.; 1/8-oz $1.00; 1/4-oz. $2.00; 1-oz. $8.00.**

Vaughan's "Giant Pansy Mixture."

This mixture includes the richest reds, coppers and bronzes, together with the most delicate rose and pink shadings, all the distinct colors of Trimardeau, the splendid Cassier strain with its delicate veinings. **Trade pkt, 25c.; 1/8-oz. 60c., oz. $4.00; 1/4-lb. $14.00.**

Vaughan's International Pansies.

Nothing Better. The World's Best.

We import from all the best European sources and personally inspected the fields of French and German specialists of their finest strains. We buy every year novelties of known merit to improve the mixture. This is the reason it is always complete, always the latest and always the best mixture AS WE BELIEVE. We add to all the Pansy Mixtures which we now buy more than fifty per cent of the choicest named kinds obtainable, each in rightful proportion. We thus know what it will produce. This is one of the SPECIALTIES which has established and held the reputation of Vaughan's Flower Seeds and this is one which we maintain most carefully not alone as to quality but in vitality and germination. **Trade packet, 50c.; 1/8-oz. $1.50; 1/2-oz. $5 00; Oz. $10.00.**

VAUGHAN'S SEED STORE,

14 Barclay St., NEW YORK. **84 and 86 Randolph St., CHICAGO.**

MARKET GARDENS.

A POTATO 12 inches long and weighing four pounds was a great attraction at the Worcester County Horticultural Society's show July 3.

Notes in Season.

This is the time of the year when the crops of asparagus, rhubarb and parsley are made, or spoiled. Because asparagus and rhubarb are cut in the spring, or winter in the greenhouse, they are often neglected in midsummer. The coming crop depends entirely upon the growth now making, hence give them the needed attention. Of first importance is suppression of all weeds, then shallow cultivation to prevent the crusting of the ground—and next fertilization. Asparagus and rhubarb are gross feeders and a top dressing of manure or fertilizer is always in order. This is especially necessary where young rhubarb is wanted for forcing purposes. This can be advanced rapidly by ample feeding and cultivation. Never allow rhubarb to go to seed; cut the flower spikes out as soon as noticed.

Parsley that is intended for winter cutting should not now be cut from, as such would be very harmful to plants. Just keep them clean and well cultivated, to get a good healthy growth by September 1, which is housing time. Renew stocks of lettuce and radish seeds. By planting a few at once they can be tried out to prove vitality and purity so that no heavy losses will occur later on by sowing valuable space to poor seed. Those who grow tomatoes for early winter should sow seeds now. MARKETMAN.

Prices of Indoor Vegetables.

The prices of indoor vegetables at leading points, July 18, were as follows: Chicago, mushrooms, 25 cents to 45 cents per pound. Cincinnati, mushrooms, 50 cents per pound. New York, cucumbers, $1 to $2.25 per basket.

TO THE TRADE

HENRY METTE QUEDLINBURG, GERMANY.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

Specialties: **Beans,** Beets, Cabbages, **Carrots,** Kohl Rabi, Leek, Lettuces, **Onions, Peas, Radishes,** Spinach, Turnips, Swedes, **Asters,** Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspurs, Nasturtiums, **Pansies,** Petunias Phloxes, Primulas, Scabious, **Stocks,** Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES, mixed), the most perfect and most beautiful in the world, $5.00 per oz.; $1.50 per 1/4 oz.; 75c per 1-16 oz. Postage paid, Cash with order.

All seeds offered are grown under my personal supervision on my own grounds of more than 3,000 acres, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY SEEDS ON CONTRACT.

List of my novelties in flower seeds for 1908 sent on application.

FLORISTS have a splendid opportunity of raising **Mushrooms** by utilizing the **waste space** under the benches, and then utilizing the **waste material** of expended mushroom beds in growing flowers. **Lambert's Pure Culture MUSHROOM SPAWN,** the best spawn in the market, is sold by all leading seedsmen. A fresh sample brick, enough for a trial bed, together with illustrated book on "Mushroom Culture," will be mailed postpaid upon receipt of **40c** in postage stamps. Address **American Spawn Company, St. Paul, Minn**

Secret Commissions in England.

A public meeting of the Secret Commissions and Bribery Prevention League was held in London, May 27, Sir Ed. Fry taking the chair, supported by a number of influential persons of various trades and professions. In the speeches made it was shown that the society, though new, had already done much good work, in educating the public, giving advice to those applying for it and in other ways. Stress was laid on the preventive aspect of the work and it was shown that the mere existence of the society had a wholesome effect in discouraging breaches of the law. It was also pointed out that now that the society had been incorporated and was in a position to undertake legal work, it was able to undertake prosecutions and in other ways follow up information received respecting illegal practices. Various resolutions supporting the aims and objects of the society were put to the meeting and unanimously carried.—Horticultural Advertiser.

MUSHROOM CULTURE

The Most Profitable Outdoor Industry Known.

If you want a really successful crop of

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Johnson's Improved

MUSHROOM SPAWN

Which Is Scientifically Inoculated with Virgin Spawn.

JOHNSON'S, LTD., are thechief makers of Mushroom Spawn and growers of Mushrooms in England, and they recommend this season's improved spawn as being in better condition than ever.

Correspondence invited for OVER-SEA ORDERS. Prices and particulars on application.

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Lilium Harrisii

We offer a selected stock of the original true Harrisii for early forcing. These bulbs have been grown from the original pure Harrisii, and will be found to be splendid stock for early forcing, for which purpose Harrisii is so valuable. We have had the stock inspected, and are assured that it is almost absolutely pure and almost entirely free from disease. This is not stock picked up indiscriminately from different sources, but is grown from one stock, and will be found very superior to the ordinary Harrisii usually offered, both in regard to freedom from disease and purity, and not the late type now so often furnished.

Lilium Harrisii has been deteriorating slowly for years, and in order to get back to the true type of the original Harrisii, we have had our stock grown from the original pure stock, and it will be found very superior to the Lilium Harrisii usually offered. While the stock is A No. 1, our prices are as low as, or lower than, the prices asked for indifferent stock. We have only a limited quantity of this stock to offer, so it will be advisable to place order without delay in order to ensure securing this stock. Bulbs ready for delivery middle to last of July:

6.7 in. bulbs, 350 to the case, $6.00 per 100; $ 50.00 per 1000
7-9 in. bulbs, 200 to the case, 9.00 per 100: 80.00 per 1000
9-11 in. bulbs, 100 to the case, 18.00 per 100; 170.00 per 1000

Full case lots at thousand rates.

Freesia Refracta Alba Bermuda grown, finest selected bulbs ½-in. up, $1.00 per 100: $ 7.50 per 1000
French grown, mammoth size, ¾-in. up. $1.50 per 100; $12.00 per 1000

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

DUE THIS WEEK

French Freesias

	Per 100	1000
Mammoth, ½ to ¾ in..	$ .85	$7.50
First Quality, ⅜ to ½ in.	70	6.00

Samples mailed on application.

VAUGHAN'S SEED STORE
CHICAGO. NEW YORK.

Newport, R. I.

GRAND FUNERAL DECORATIONS.

The season began with the Fourth of July, and business since has been increasing. The most important event of last week was the funeral of the late Rear Admiral C. M. Thomas, who was formerly in command at the training station here, and lately in charge of the division of the Atlantic fleet in its trip to the Pacific, and who died at Del Monte. Calif. The remains were brought home and given the most imposing naval funeral and the best floral display ever seen here. All the florists had their hands full to execute the designs in time. The most striking piece was the admiral's insignia, sent by the officers and men of the receiving ship Franklin and the training station at Norfolk, Va., where the admiral was in command a few years ago. The design was faithfully carried out in a field of blue delphiniums, white anchor in the center, and two yellow stars on either side.

Other beautiful pieces were as follows: Naval war college, wreath of white sweet peas and orchids. Colonel and Mrs. D. A. Kane, anchor of white stocks and orchids. Commodore and Mrs. E. Simpson, wreath of Pink Rambler roses and white sweet peas. Rear Admiral and Mrs. Luce, basket of white roses and snapdragon. Major and Mrs. T. K. Gibbs, wreath of lily of the valley and pink roses. Rear Admiral and Mrs. Chadwick, palm arrangement with lavender larkspur and ribbon. Brigadier General and Mrs. Ennis, open laurel wreath. B. Norman and wife, wreath of lavender sweet peas. Newport naval training station, wreath of mixed sweet peas grown at the station. Mrs. Thomas (mother of the admiral), pillow of white roses and white snapdragon, with words "My Son" in purple flowers. Mrs. Keim, wreath of white roses, with the word "Brother." L. Spencer, Jr., and wife, flat bunch of lavender and white sweet peas. Miss Julia Sands, bunch of Pink Rambler roses. Mrs. A. L. Sands, wreath of white roses and orchids with lavender ribbon. Captain and Mrs. C. McR. Winslow, wreath of white lilies and orchids. Rear Admiral and Mrs. Ramsay, large piece of white roses. Camp Thomas, Spanish war veterans, a beautiful anchor.

Z.

Primroses

	Per 100
Chinese, single fringed, Aug. 1	$ 2.00
Obconica Alba Rosea, Aug. 1	2.00
Gigantea and **Kermesina,** Aug. 1	3.00
Forbesi "Baby," ready	2.00

Pansy Seed

	Per 100
Giant-flowering, ready ....oz.. $4.00	
Asp. Plumosus, 2¼-in. pots	$ 2.00
Smilax, 2¼-in. pots	1.25

Cash. **JOS. H. CUNNINGHAM,** Delaware, O.

Western Headquarters For
Finest Cold Storage Valley Pips.
$14.00 per 1000: $1.75 per 100.
Every case guaranteed.
Fancy Cut Valley Always on Hand.
H. N. BRUNS,
1407-1411 W Madison St. CHICAGO

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MANN'S EXCELSIOR

Are the finest in existence and their flowers bring the best prices in the London market.
For quotation please apply to
OTTO MANN, Leipzig, Saxony, Germany

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,
Successors to L. K. Peacock, Inc. ATCO N. J.

MICE PROOF SEED CASES

SEND FOR BOOKLET.

HELLER & CO., Montpelier, O.

Proceedings

Of the Congress of Horticulture held at the Jamestown Exposition, September 23, 1907.

Linen Bound. 108 pages. Price 25c.

This publication includes the formal adddresses and discussions of the papers read at the meeting which covered the various phases of Horticulture This meeting was pronounced by Horticultural authorities as one of the greatest Horticultural meetings ever held in a single day. For copies address

H. C. IRISH, Secretary

National Council of Horticulture, Missouri Botanical Garden. **St. Louis, Mo.**

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PURITY.

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RUDOLPH FISCHER,
SANTA ANITA, CALIF.

Lilium Philippensis

$2.75 per 100; $25.00 per 1000

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MANILA, PHILIPPINE ISLANDS.

ESTABLISHED IN 1824.

Bridgeman's Seed Warehouse

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37 East 19th St., bet. Broadway and 4th Ave., **New York**
Telephone: 4235 Gramercy.

The Nursery Trade

American Association of Nurserymen.
J. W. Hill, Des Moines, Ia., President; C. M. Hobbs, Bridgeport, Ind., Vice-Presdent; George C. Seager, Rochester, N. Y., Sec'y.
Thirty-fourth annual convention to be held at Rochester, N. Y., June, 1909.

THE past season was one of the best in the history of the trade in California.

AT the meeting of the Western Association of Nurserymen J. H. Skinner of Topeka, Kans., said that a hole the size of a silver quarter in a box will allow the useful wren to pass through for nesting purposes, but will exclude the robbing and murdering English sparrow.

THE Texas Nurserymen's Association met July 8 at College station, when some interesting papers were read by various members of the trade. Officers were elected as follows: J. B. Baker, Fort Worth, president; R. H. Halbert, Arcadia, vice president; J. S. Kerr, Sherman, secretary-treasurer.

SPOKANE, WASH.—There is every probability that a very fine show of apples will be the result of the many good prizes, amounting in all to $25,000 at least, to be given by the National Apple Show Association here in December. H. J. Neely, of this city, is secretary of the association.

TOPPENISH, WASH.—The delegates in attendance at the convention of the Pacific Coast Association of Nurserymen, which was recently in session at North Yakima, were the guests of the Washington Nursery Co., July 9, on a tour of inspection. More than 30 growers from the northwest looked over the young trees. One of the most interesting features was the inspection of 1,000,000 young grafted trees in variety, all growing in one block.

INSPECTOR ENGLE is planning his annual inspection of nursery stock all over Pennsylvania, which will be started August 1. Including nurserymen who deal exclusively in berry stock, the nurseries to be inspected now number between 160 and 170, a slight increase over last year. Rigid examination is made of all stock to make sure that no trees or bushes are infested with any plant disease or with parasites, so that the growth in the state at large may be in danger.

THE South Dakota Experiment Station has issued a bulletin entitled "New Hybrid Fruits" which describes in detail many promising new fruits raised at the station and gives good illustrations of them. The native sand cherries and plums have been crossed and recrossed with European and oriental varieties and, although the work may be said to be only in its infancy, yet the fact has been demonstrated that it is possible to produce fruits combining the hardiness of the native stone fruits with some, at least, of the good qualities of the more tender varieties. The record is very interesting, and should be in the hands of all who are connected in any way with fruit growing.

Raspberries Failing to Fruit.

At the recent Milwaukee meeting of the American Association of Nurserymen this was attributed to frozen pollen and unripened fall growth.

Alexander Cumming.

Alexander Cumming, the new superintendent of the Hartford, Conn., streets, of whom we publish an excellent portrait, is a native of Scotland. He was born at Inverness, the capital of the Scottish highlands, and served his apprenticeship with Munro Bros., of that city. He afterwards had considerable experience in nursery and landscape work in several London and Liverpool (Eng.), establishments, also in the park system of Glasgow. He was for 10 years with the nursery and landscape firm of Thos. Imrie & Sons, of Ayr, and crossed the Atlantic in 1890 when he located at Toronto, Canada.

Here he had charge of extensive improvements on the government lands having complete direction of the construction of new roads, boulevards and walks,

Alex. Cumming.

extensive planting of trees and the laying out and grading of the Military cemetery. He later was employed in the Toronto parks and left here for Philadelphia where he became superintendent of a large suburban tract which was being developed by a private company. Eight years in Philadelphia have been followed by four years as park forester in Hartford an office Mr. Cumming has filled very efficiently. The recommendations he brought with him have been fully borne out by his reputation and doubtless the Board of Street Commissioners has chosen its superintendent wisely.

Rose Conrad Ferdinand Meyer.

One is constantly receiving excellent accounts of this grand hybrid rugosa rose, and all who know it must admit that it is a very fine variety, worthy of extensive planting, according to a correspondent of the London Garden. As an individual bush it is fine, especially where the last year's wood has not been pruned back very hard; but it appears best in a large mass in the wild garden, or anywhere in the garden where a bold, tall mass of color and beautiful foliage is desired. I believe Dr. Muller first raised a seedling from a cross between Gloire de Dijon and Duc de Rohan, and this seedling was employed as pollen parent upon the rugosa rose Germanica, a variety of Dr. Muller's raising, so that we have quite a mixed parentage. There can be little doubt that this sort of crossing and recrossing has given us some of our best recent novelties, and I believe Gruss an Teplitz originated in the same way.

[W. N. Rudd has frequently reminded us that this is an exceptionally fine rose for the west. He says, however, that the plants should not be pruned, best results being obtained if the strong canes are bent over and fastened in that position each season. When treated in this way the stems break freely, affording vigorous growth and abundance of bloom. —ED. AMERICAN FLORIST.]

Peonies Not Flowering.

Among the questions at the recent Milwaukee convention of the American Association of Nurserymen was one concerning the failure of peonies to bloom. One answer was that it takes some varieties several years to become acclimated and another that sometimes the buds are frozen in a very early stage of their development.

Uniform Inspection Needed.

North Yakima, Wash., July 8.—Nurserymen of the Pacific coast, representing 120 members from seven states, in an annual session here today declared themselves in favor of a uniform system of inspection and quarantine of infested fruit trees and nursery stock. They declared that the present system of allowing the deputy inspector of each county the final word results in losses aggregating thousands to the nurserymen, such loss being needless and due largely to incompetent county officials. The nurserymen declared also in favor of equal enforcement of the laws regarding spraying, fumigating, etc., against the orchardist as well as the nurserymen.—Seattle Post-Intelligencer.

The Yellow Peonies.

In the issue of The Garden for July 4 there is an excellent colored plate of Pæonia Delavayi with the following interesting note:

For a number of years admirers of the brilliant peony, than which there is no more handsome ornament to the flower garden, have desired one with yellow flowers. The species which for long most nearly approached that color was P. Wittmanniana, but it has not been found one of the best of growers with many, and it has also proved somewhat shy in blooming in many gardens, while its color is not bright enough to meet the desires of those who sought for a really yellow flower in the race. We owe, however, largely to the researches of the Abbé Delavay in Yunnan the introduction of some species which give us flowers of a truer yellow, and these plants, first sent to France, have found their way into the British Isles, although only to be met with in the gardens of a few of the most enthusiastic seekers after new flowers. P. lutea, which was found in Yunnan in 1882, was sent to the museum of natural history in Paris, and has since been distributed, although still scarce and expensive. It has good yellow flowers, but it is in this respect surpassed by the variety Major, which has more intense coloring.

Still another yellow peony has been introduced, but under the cumbrous name of P. Mlakosewitsii, one sufficient to debar the plant from any garden were it not for its pleasing flowers. This, like the others named, has been cultivated in the garden of W. E. Gumbleton, Belgrove, Queenstown, to whom we are indebted for the flowers of Pæonia Delavayii, illustrated in the colored plate, one of the latest to be introduced and also one of the best of its color. Mr. Gum-

bleton is one of the most discriminating of flower lovers, and as he has made a special study of the yellow peonies for some years, it must be gratifying to him to have this species figured from flowers grown by him. The colored plate speaks for itself and shows the beauty of this species, which, like several others, comes from China. These yellow peonies require much the same cultivation as the ordinary herbaceous and tree peonies, and prefer a rich soil and an open position, although they will also thrive in one which is shaded or semi-shaded.

Hydrangea Petiolaris.

The species of hydrangea are frequently represented in gardens by a couple of examples only, these being the common H. hortensis and the Japanese H. paniculata. These, again, are more seldom represented by type specimens than by their sterile varieties. There are, however, several other species, examples of which might well be given positions in both large and small gardens, and H. petiolaris is one of them.

A native of Japan, H. petiolaris has occupied a place in scientific collections, either under the above name or one of its several synonyms, for a considerable period, says the Gardeners' Magazine, but it does not appear to have ever been widely grown. The botanist Maximowicz, called the same plant H. scandens, an appropriate name, had not Siebold and Zuccarini previously adopted that of H. petiolaris. It is of scandent habit, growing very much after the fashion of the common ivy, trailing about the ground, or attaching itself to a support, and ascending to a considerable height by means of aerial roots. The leaves are large, more or less cordate and acuminate, with serrate margins and long petioles. The larger ones are often six inches long and four inches wide. The inflorescences are in the form of large cymes six inches or so across, the center flowers being numerous, cream-colored, and fertile, whilst a few of the outer flowers are conspicuous by reason of their sterility and well-developed white bracts. The flowering period extends for some six or eight weeks during June and July.

For planting against a wall it is an excellent subject, as it attaches itself to the support naturally, and is of neat appearance. A much better method of culture to adopt, however, is to turn a large butt of a tree upside down, so that the roots stand out in an informal manner and plant several plants around it. In a couple of years' time the branches will cover the roots and form an effective feature. Such an example may now be seen at Kew in the hydrangea collection.

A plant often confused with this is Schizophragma hydrangeoides. Hydrangea and schizophragma are closely allied, but quite distinct genera, and there is really no reason why the hydrangea should be set out for the schizophragma, as is frequently the case. H. petiolaris is, however, a somewhat variable plant, and extreme forms look very different from the type.

Rosa Laxa as a Rose Stock.

This species of rosa was believed to be superior to R. canina as a seedling stock, and as such recommended originally by growers in Zurich. In Germany it was soon discovered that in the matter of stem formation it was superior to R. canina and its varieties; but it was found that R. laxa answered admirably when budded at the collar. The plant is a much quicker grower in good soil than R. canina, so that seedlings pricked out in the spring months were fit for budding in August. All varieties budded on it grow with much vigor. Any essential influence or alteration by the use of R. laxa as a stock has not been observed in forced plants, so that it may be assumed it is in this respect similar to R. canina.—Horticultural Trade Journal.

BOX TREES.

PYRAMID BOX TREES.

Height	Base	Each	Pair	Height	Base	Each	Pair
4- ft.	24-in.	$ 4 00	$ 7 00	5- ft.	24-in.	$ 5 50	$10 00
4- ft.	26-in	4 50	8 00	5- ft.	26-in.	7 00	13 00
6½-ft.	22-24-in.	4 50	8 00	5- ft.	30-in.	7 00	13 00
4½-ft.	24-in.	5 50	10 00	6- ft.	34-in.	8 00	15 00
4½ ft.	26-in.	7 00	13 00	5½-ft.	20-24-in.	5 50	10 00
5- ft.	22-24-in.	4 50	8 00	6- ft.	34-in.	8 00	15 00

STANDARD BOX TREES.

Stem	Head	Each	Pair	Stem	Head	Each	Pair
18-20-in.	34-36-in.		$15 00	18-24-in.	24-26-in.	$ 4 50	$ 8 00
24-26-in.	34-36-in.	$ 8 00	15 00	18 24-in.	22-24-in.	4 00	7 00
18-24-in.	32-34-in.	7 00	12 50	18-24-in.	24-in.	3 00	5 00
18-24-in.	30-32-in.	5 50	10 00				

Vaughan's Seed Store, 84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

Greenhouses and Nurseries: Western Springs, Ill.

Peony Surplus List NOW OUT.

Send for one. Low prices. Fine stock.

PETERSON NURSERY,

Lincoln and Peterson Avenues, CHICAGO.

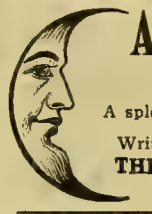
A Valuable Hybrid Peony.

Through the courtesy of Rene Rouhard, of the nursery of the museum of natural history of France, I have been able to see what promises to be a valuable break in peony hybrids. In 1900 L. Henry crossed Peony Ville de St. Denis with the new P. lutea, and the resulting cross has now flowered for the first time in Paris. It produces flowers both on the terminal and the lateral shoots, thereby following the habit of P. lutea. The flowers produced on the terminal shoots are large, well formed, double, and yellow in color; but that on the lateral shoot is as interesting as it is beautiful, writes R. H. Beamish in the London Gardeners' Chronicle. The shape it has assumed is that of a large, double, yellow begonia, tipped with rose, and on the first examination it can hardly be distinguished in shape from the latter flower. If only this form can be definitely fixed, we shall at once obtain a valuable and original addition, in shape as well as in color, to our herbaceous peonies. The Jardin des Plantes is to be sincerely congratulated upon the success of the first attempt of this cross.

Rosa Wichuraiana.

The word Wichuraiana is derived from the discoverer's name, Herr Wichur, who was a German botanist. He accompanied the Prussian expedition to China in 1859-61, and during that expedition the species was discovered. This botanist was suffocated in the year 1866. In the "Index Kewensis" R. Wichuraiana is mentioned there as R. Luciæ. It was not until about the year 1895 that an American, W. A. Manda, took the species in hand and hybridised it with other roses, which produced such sorts as Manda's Triumph, Pink Roamer and, later on, Gardenia and Jersey Beauty. Evergreen Gem came to us from the United States. The well-known Dorothy Perkins originated also in America, its parents being the species and the hybrid perpetual rose, Mme. G. Luizet. The species is a very low, trailing plant, with bright glossy foliage and large clusters of pure white single flowers opening in August. It is very readily hybridised, and is capable of vast improvement in the hands of the skilful hybridist.—The Garden.

SPOKANE, WASH.—The Inland Nursery & Floral Co. recently announced a quarterly dividend of seven and one-half per cent, the net earnings of the company for the three months being $3,750.



ARBOR VITÆ

(Thuya Occidentalis.)

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Write for descriptions and prices.

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PAINESVILLE NURSERIES.

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OAKS and MAPLES.

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ANDORRA NURSERIES,

Wm. Warner Harper, Prop.

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AZALEAS (hardy), Berried Plants, Bleeding Hearts, Blue Spruces, Boxwood, Clematis, Climbing Plants, Conifers, Evergreens, Funkias in sorts, Hydrangea P. G., Japan Maples, Peonies, Pot-grown Plants (Lilacs a specialty), Rhododendrons, Roses, Spireas, Valleys.

Jacs Smits, Ltd. NAARDEN, (Holland.)

Price list free on demand.

VIBURNUM PLICATUM

All sizes up to 4 ft., AT A BARGAIN.

—Write for prices.—

THE CONARD & JONES CO.,

WEST GROVE, PA.

BOBBINK & ATKINS,

Rutherford, N. J.,

Bay Trees, Palms, Buxus, Azalea Indica, Rhododendrons, Evergreens, Herbaceous Plants, Roses, Trained Fruit Trees, Greenhouse Grape Vines. Ask for catalogue.

PEONIES. (12 ACRES.)

Buy such varieties as will keep if glut is on. For years I have furnished a big portion of the Decoration Day supply. For prices for fall delivery write

GILBERT H. WILD,

SARCOXIE, - MISSOURI.

ROSES

Own roots. Propagated from grafted stock. Strong plants.

	Per 100	Per 1000
Maids and **Brides**, 3-in. pots	$ 4.00	$35.00
Wellesley and **Mme. de Watteville**, 4-in. pots	5.00	
Mme. Chatenay, 4-in. pots	5.00	45.00

CHRYSANTHEMUMS.

Touset, Maud Dean, Balfour, Pink Ivory, Oct. Frost, Enguehard. 2½-in. pots..$3.00 per 100 Strong plants, not pot bound.

S J. REUTER & SON, Inc., WESTERLY, R. I.

1-yr.-old Bench Plants

Beauties, $5.00 per 100; $40.00 per 1000.
From 3-in. Pots.
Beauties. $5.00 per 100; $40,00 per 1000.
Smilax, $3.00 per 100; $25.00 per 1000.
No order for less than 100 accepted.

GEORGE REINBERG,
35 Randolph St. CHICAGO.

SPECIALTIES.

ROSES, from 3-inch pots. **CHRYSANTHEMUMS.**
CARNATIONS, for fall delivery. **SMILAX. VIOLETS**
IN BEST VARIETIES.
Prices low. Send for list.

WOOD BROTHERS, Fishkill, N. Y.

WANTED.

600 Victory field plants, good stock, about August 1.

FURROW & COMPANY, Guthrie, Okla.

Preserving Roses.

To preserve Portland roses entire, so that in color and appearance they will remain the same in December as in June is the task to which Colonel A. W. Miller, of the Portland (Ore.) chamber of commerce, has set himself. Colonel Miller is the curator of the permanent exhibit maintained on the second floor of the chamber of commerce building and he preserves in liquids large quantities of fruits each year so that tourists and visitors from all parts of the country may view them as they pass through Portland and wonder at the perfection of the fruits grown by this state.

Colonel Miller has hit upon the plan of preserving roses so true to the life, says the Oregonian, that rose shows may be held next winter by the chamber of commerce for the edification of tourists. The work is a labor of love with Colonel Miller and while he admits that as yet the art is in the experimental stage, he feels confident that within a short time he will have learned the secrets of preserving flowers in liquids so they will show to the best advantage after the flowering season has passed.

Colonel Miller had a large red rose immersed in a jar of preserving liquid recently and the flower looked singularly lifelike and natural. The color and form was as perfect as if the rose were still on the bush, swaying in the June breezes. It is probable that by the time winter comes, the chamber of commerce will have a choice collection of roses on display, showing this more dainty product among the prunes, apples, salmon and other things in the jars of formaldehyde in the permanent exhibition.

SANTA BARBARA, CALIF.—The Horticultural Society met at the Richardson place on Palm avenue, Montecito, July 10, by invitation of E. R. Waugh. A paper on "Cut Flowers or Plants for Winter" was read by Stanley Davis.

CHRYSANTHEMUMS

SPECIAL—To close out all young stock. "Strong and healthy stock."

Virginia Poehlmann, 2½-in. ..... $5.00 per 100; $40.00 per 1000
Robinson, Touset, Byron, White Bonnaffon, Halliday Appleton, Maj. Bonnaffon, Chautauqua Gold, Rosiere, McNiece, Dr. Enguehard, Maud Dean and Schrimpton ..... $2.20 per 100; $20.00 per 1000

ROSES.

Mrs. Potter Palmer, 2½-in. ..... $ 7.00 per 100
" " 3½-in. ..... 10.00 per 100
Cardinal, 2½-in. ..... 4.00 per 100
" 3½-in. ..... 5.00 per 100
Killarney, 2½-in. ..... 5.00 per 100

ROSES.

Beauties, 2½-in. ..... $5.00 per 100
" 3-in. and 3½-in. ..... 6.50 per 100
Chatenay, 2½-in.. $4.00 per 100; 3½-in.. 6.50 per 100
Perle (400), 2½-in. ..... 5.00 per 100
Sunrise (300), 2½-in. ..... 5.00 per 100

ASPARAGUS. Plumosus, 2-in $25.00 per 1000; 4-in., $10.00 per 100; 6-in., $15..00 per 100. **Comorensis,** 3-in., $6.00 per 100.
SMILAX, 2-in. ..... $20.00 per 1000

POEHLMANN BROS. CO., Morton Grove, Ill.

KILLARNEY

2½-inch, grafted, ... $10.00 per 100
We only have 1500 plants left to sell.

KAISERIN

2½-inch, ... per 100, $4.00; per 1000, $40.00
Only 2000 plants of Kaiserin left.

PERLES

100 in 4-in. pots $8.00

BASSETT & WASHBURN,
Office: 76 Wabash Ave., CHICAGO. Greenhouses, HINSDALE, ILL.

60,000 Grafted Roses

	Per 100
Chatenay, Killarney, Richmond, Liberty, La France, 3½-in. pots	$18.00
Bride, Bridesmaid, Golden Gate, Kaiserin, 3½-in. pots	15.00

OWN ROOT ROSES.

Bride, Bridesmaid, Killarney, Richmond, Chatenay, 3-inch pots, $7.00 and $9.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

Carnation Plants

Aug. 15th delivery. Strong, clean stock. Best varieties.

CHICAGO CARNATION CO., A. T. PYFER, Mgr., **Joliet, Ill.**

LAWSON-ENCHANTRESS

The Enchantress with Lawson Color.

Field-grown plants: extra fine for shipment at once. Satisfaction guaranteed. $12.00 per 100; $100.00 per 1000. **ENCHANTRESS,** $6.00 per 100; $55.00 per 1000.
Cash with order or satisfactory reference.

THE CHAS. KNOPF FLORAL CO., Richmond, Ind.

ROSE PLANTS

On own roots. Send for list.

C. M. NIUFFER, Springfield, Ohio

ROSES. STRONG, CLEAN STOCK.

Grafted Killarney, Richmond, Brides, and Maids $12.00 per 100; $110.00 per 1000. Own-root Brides, Maids, Gates, Ivory, Perle, Killarney and Richmond $6.00 per 100; $55.00 per 1000.
All from 3½-in pots.

P. R. QUINLAN, SYRACUSE, N. Y.

A. N. PIERSON, Inc., Cromwell, Conn.

SPECIAL SALE OF SURPLUS STOCK. Extra large, first-class grafted Roses, 3-in. pots of the following varieties:

GRAFTED ROSES.

STANDARD VARIETIES.

Killarney, Maids, Brides, Wellesley, Wootton, La Detroit, McArthur, Richmond, Enchanter, Bon Silene, Papa Gontier, Etoile de France, Kate Moulton, Franz Deegan, Tom Field, Hermosa, Marechal Neil, Maman Cochet. The above grafted 3-in. pots, $12.00 per 100; $100.00 per 1000.

NOVELTIES.

Mrs. Jardine, Rhea Reid, Queen Beatrice, My Maryland, $3.00 per doz., $20.00 per 100.

OWN ROOT ROSES.

Brides, Maids, Chatenay, Ivory, 3-in. pots, $6.00 per 100; $50.00 per 1000.

MISCELLANEOUS PLANTS.

Asparagus Plumosus Nanus Seedlings.

From flats, $10.00 per 1000

Begonia Gloire de Lorraine

Strong, young plants, 2¼-in. pots, $15.00 per 100.

Bouvardia

Large white, 3-in. pots, $4.00 per 100; $35.00 per 1000.

ROSES

Two years' field-grown. Budded and on own roots. Old varieties and new ones. Send for list.

ORNAMENTALS of all kinds for Florists and Nurserymen.

Jackson & Perkins Company

Dispensers of "The Preferred Stock,"
— Grown at —
NEWARK, in Wayne County, NEW YORK STATE

ROSES

A SPECIALTY.

The Dingee & Conard Co.,

WEST GROVE, PA.

JOHN E. HAINES,

BETHLEHEM, PA.,

is the place to order field plants of the following varieties: will be ready by Aug. 1:

	Per 100	1000
John E. Haines, red	$6.00	$50.00
Imperial, variegated	6.00	50.00
Pink Imperial	6.00	50.00
Enchantress, light pink	6.00	50.00

A. F. LONGREN

Rooted cuttings and plants of
CARNATIONS and CHRYSANTHEMUMS
—MY SPECIALTY—

Des Plaines, - Illinois.

AFTERGLOW

Orders now booked for field-grown plants, to be delivered in August and September.
First size.....$14.00 per 100
Second size..... 12.00 per 100

R. WITTERSTAETTER,
(Originator) Station F, CINCINNATI, O

Rose Plants

From 2½-inch Pots.

	Per 100	1000		Per 100	1000
Bride	$2.50	$22.50	Ivory	$2.50	$22.50
Bridesmaid	2.50	22.50	Sunrise	4.00	35.00
Uncle John	2.50	22.50	Kate Moulton	4.00	35.00

Bench Plants

	Per 100	1000
Richmond	$4.00	$35.00
American Beauty	6.00	50.00

CHRYSANTHEMUMS

From 2½-in. pots. $2.50 per 100.

White—Estelle. **Pink**—Dr. Enguehard. **Yellow**—Bonnaffon, Col. Appleton, **Bronze**—Black Hawk.

PETER REINBERG

51 Wabash Ave., CHICAGO.

FIELD CARNATIONS.

High Land Grown.

	Per 100
Rose Pink Enchantress	$6.00
Enchantress	6.00
Lady Bountiful	6.00
Harlowarden	5.00

Splendid Plants.

	Per 100
White Lawson	$6.00
Pink Lawson	6.00
Red Lawson	6.00
Robert Craig	6.00

Stock Now Ready for Shipment.

UNITED STATES CUT FLOWER CO., Elmira, N. Y.

New Orleans.

Frank E. Brocker, the gardener at City park, has a beautiful bed of crotons at the entrance and many other fine specimen beds strewed about the park.

Jas. Schindler has enlarged his nursery grounds and is doing a good summer business.

Chas. Eble is doing well with his new nephrolepis and is retailing it exclusively.

Henry Cook reports business fairly good for this season.

Richard Eichling has at last become a benedict. D.

SALINEVILLE, O.—I. C. Willis, senior partner of the Saline ville Floral Co., has retired from the firm.

WAWONA, CALIF.—Alexander Craw, for many years deputy horticultural commissioner of the state, died here on June 28. Deceased was one of the most able men ever in the service of this state.

KAISERIN 2 1-2 inch. $3.00 per 100.

Fine one-year-olds on own roots.
100 other sorts choice young plants.

Strong 2-year ROSES in 4-inch at 5c.

Vinca Var. 2-in. 1.50; 2½-in. $2.00 per 100.

THE LEEDLE FLORAL COMPANY, SPRINGFIELD-OHIO

ROSES

Strong, Healthy Stock

	Per 100
400 Bon Silene, 3-in	$ 4.00
600 Bon Silene, 2½-in	2.00
700 Mme. Chatenay, 2½-in	2.00
200 Richmond, 2½-in	2.00
1000 American Beauty, 3-in	5.00
1000 American Beauty, 2-in	3.00

Field Grown Carnations

Strong plants now ready. Orders booked for later delivery.

Enchantress, Rose Pink Enchantress, Robt. Craig, White and Pink Lawson, $6 00 per 100. $50.00 per 1000.

White Perfection, Lady Bountiful and Victory, $7 00 per 100.

	Per 100
Smilax, 2½-in	$ 2.00
White Dahlia (Pot or bench culture), 4-in	8 00

HARRY HEINL, West Toledo, O.

100,000 Smilax

Extra fine well hardened stock a bargain at $1.50 per 100; $15.00 per 1000

25,000 Sprengeri from rose pots at $1.50 per 100; $15.00 per 1000.

Deflexus, small $3.50 per 100; 4-inch at $7.00 per 100.

GERANIUMS, orders booked for rooted cuttings fall delivery Nutt, Buchner and Perkins at $10.00 per 1000; Ricard, Poitevine, Castellane and Viaud at $12.50 per 1000.

ALBERT M. HERR,
LANCASTER, - PA.

Commercial Asters

20,000 Red, Large Branching, $1.50 per 100; $7.00 per 1000; 2,000, $12.00; 5,000, $25.00. Cash with order

200 S. A. Nutt, 3-in. pots, 5 cents each.

PERTH FLORIST, Mason City, Iowa.

Begonia Gloire de Lorraine

Excellent Stock, Ready Now.
2½-inch pots.. $15.00 per 100; $140.00 per 1000.
4-inch.....$35.00 per 100.

POINSETTIAS, (As fine as can be grown.)

2½-inch.....$5.00 per 100; $45.00 per 1000.

S. S. SKIDELSKY,
1741 N. 18th St., PHILADELPHIA.

Hot Water and Early Flowering.

Prof. Hans Molisch has recently been experimenting on the effect of hot water as a means of inducing forced plants to flower earlier than their normal period, and he has obtained some interesting and suggestive results. He finds that when the stems of lilac, for example, are plunged for six hours in water heated to 30° to 40° C. (i. e., 86° to 104° F.) under appropriate conditions, that the plants push their buds some 10 days earlier than those not so treated, says the London Gardeners' Chronicle. It seems that whilst the plants have to be experimented on during the resting season, it makes a difference whether this is done early or late in the winter. Very little effect is produced if the treatment is given just after the fall of the leaf in autumn, and, again, if it is delayed until February or March, when the season for the unfolding of the buds is approaching, retardation may be the result. Molisch obtained the best results by treating the plants in December or January, and says that different temperatures are required by different species. Thus for lilac and forsythia, 86° F. is the best, whilst about 100° F. is the optimum for silver birch and chestnut. It is very remarkable, that the effect of the treatment is strictly localized. Thus if a lilac be taken, and certain branches only of the plant be immersed in the hot water, it is found when the plants are forced in the spring that these branches are the first to bear leaves and flowers. Of course, it has long been known to practical gardeners that the branch of a vine trained under glass shoots much earlier than the remainder of the vine if this be grown outside. Possibly, the two cases are analogous, though the results obtained by Prof. Molisch are more striking. The matter is obviously worth full investigation, as it presents an interesting problem in vegetable physiology.

YOUNGSTOWN, O.—C. A. Sigle sailed from New York for Germany July 18. He intends visiting relatives there for a few months.

HARTFORD, CONN.—The fall show of the Horticultural Society will be held September 23 and the chrysanthemum show November 4-5, both in Unity hall.

GODFREY ASCHMANN

Of Philadelphia, the well known Araucaria Specialist, is not dead, but still alive and more active than ever.

1907. Was the 12th Anniversary since he began the importing and shipping of **Araucarias** He never had such a record-breaking year. **7,000** were imported sold or shipped This, in spite of panic times, has given him new strength in his **Importing Araucaria Business.** His business is now so well established that every person in the trade, from ocean to ocean, has heard of his **Araucarias. This year, 1908, is our 13th anniversary.** What do you think? Will we be behind last year? Oh, no! Don't look like it.

WATCH US GROW.

8,000 were imported this spring and can be seen and inspected growing in our greenhouses, in all sizes and prices, potted up into 5, 5½ and 6 inch pots. They have now sufficiently recovered from their voyage to be shipped safely into every state and territory of the United States, Canada or elsewhere. Now is the time to order. Fill your empty houses now and put something in them that will grow into money for you.

Look! Plants worth 75c now are worth by Sept. or Oct., $1.50 to $1.75 up to $2.00 each.

Araucaria Excelsa, 5-in. pots, 2 years old 3 tiers, 8-10 in. high, 40c; 5¼-in. pots, 2 years old, 3 to 4 tiers, 10-12-13 in. high, 50c; 5½ to 6-in. pots, 3 to 4 years old, 4, 5 and 6 tiers, 14-15-16-20 in. high, 60c, 75c to $1.00 each.

Araucaria Robusta Compacta, 6-in. pots, 3 years old, 3 tiers, very beautiful plants, $1.25 to $1.50 each.

Araucaria Excelsa Glauca, 6-in. pots, 3 years old, 3 tiers, very handsome plants, $1.00, $1.25 to $1.50 each.

Araucaria Excelsa Glauca, specimen plants (something extra), spring of 1907 importation, suitable for lawns and porches, 5 to 6 years old, 7-in. pots, 5 tiers 25 to 30, 35 to 40 in. high same in width, $1.50, $1.75, $2.00, $2.50, $3.00 to $4.00 each.

Kentia Forsteriana, 6 to 7 in. pots, 36 in. high, $2.00 each; 40 to 50 in. high, $2.50 to $3.00 each; 6-in. pots, 30 in. high, $1.50; 6-in. pots, 25 in. high, $1.00; 6-in. pots, 20 to 25 in. high, 75c; 5 to 5½ in. pots 50c.

Kentia Belmoreana, 5¼ to 5½ in. pots, 22 to 25 in. high, 50c, 60c to 75c; 4-in. pots, 20 to 22 in., 35c.

Clematis, the true Jackmani, 6-in. pots, 3 feet, 35c to 40c.

Begonia Gloire de Lorraine, 3-in. pots raised from leaf cuttings, ready to shift into 4 5 in. pots, 25c.

Cannas, 4-in .....5c **S. Sage,** 4-in.....5c
Geraniums, 4 in.....5c

Asparagus Plumosus Nanus, 2½-in., $3.00 per 100.

Whitmani Ferns, 4 in., 20c; 5½ to 6 in., 40c to 50c.

Boston Ferns, 4-in., 20c; 6-in., 40c to 50c.

Scottii Ferns, 4-in., 20c; 5½-in., 40c.

Cycas Revoluta (Sago Palm), 5 up to 20 leaves to a plant, 6 to 7 in. pots, 10c per leaf.

Bay Trees, just received, per steamer Manitou, 6 ft. high from top of tub, 30-in. crowns, $12.00 per pair.

Victoria Asters, 2½-in. pots, separate colors, $2.00 per 100.

Solanum, or Jerusalem Cherries. We carry the best improved strain called the Multiflorum, always laden with big berries. Price: 2½-in. pots, $4.00 per 100.

All goods must travel at purchaser's risk only. Cash with order, please.

GODFREY ASCHMANN, 1012 W. Ontario St., Philadelphia
Importer, Wholesale Grower and Shipper of Pot Plants.

Surplus List.

	Per 100
Asparagus Plumosus, 2-in	$3 00
" " 2½-in	4 00
Achyranthes, 2 kinds, 2½-in	3 00
Begonia Gloire de Sceaux, 2½-in	10 00
" Fairy Queen, 2½-in	4 00
" Vernon, 2½-in	4 00
Chrysanthemums, large stock: send for list.	
Coleus, John and Anna Pfister, 2-in	3 00
Cyclamen, Vaughan's Giant-Flowering, 3-in	8 00
4-in	15 00
Cannas, strong pot plants; send for list.	
Dahlias, strong pot plants, named, in all the best sorts, both cactus and large flowering	6 00
English Ivy, 4-in., long vines	10 00
German Ivy, 2½-in., long vines	3 00

	Per 100
Geraniums, ivy-leaved, asst. kinds, 2½-in.	$3 00
" Little Pink, Sycamore, Beaute Poitevine, Single and Dbl. White, 2½-in.	3 00
4-in	6 00
Lobelia New Dbl. Kathleen Mallard, 3-in.	6 00
Latania Borbonica, 2½-in	4 00
" " 3-in	7 00
Primula Obconica, 2-in.	3 00
Solanum Capsicastrum, 2½-in	4 00
Smilax, myrtle leaf, 3-in	5 00
" large leaf, 2-in	2 00
Sage, Holt's Mammoth, 2-in	2 50
Santolina, 2-in	3 00
Petunias, finest double sorts, 2½-in	3 00
Pelargoniums, named kinds, 4-in. pots	15 00
Poinsettias, Fine young plants in 2½-in. pots, made from cuttings, per doz. $1.00;	7 00

SURPLUS ROSES.

	Per 100
Richmond, 2½-in	$ 3 00
Uncle John, 2½-in	3 00
3½-in.	10 00
Magnafrano, 3½-in	20 00
4-in.	25 00
Cardinal, 3-in.	10 00
4-in.	15 00
Red Kaiserin, 3-in.	12 00
4-in.	20 00
Bridesmaid, 2½-in	3 00

	Per 100
Bridesmaid, 3-in	5 00
3½-in.	7 00
Brides, 2½-in	3 00
3-in	5 00
3½-in	7 00
Alice Roosevelt, 3½-in	15 00
4-in	20 00
Annie Mueller, 3-in	5 00
Sunrise, 3-in	10 00
3½-in	12 00

Vaughan's Seed Store, 84-86 Randolph St., CHICAGO
14 Barclay St., NEW YORK.
Greenhouses and Nurseries: Western Springs, Ill.

POST FALLS, IDAHO.—W. S. Van Dorn, owner and manager of the large greenhouses on the south side of the river, went east recently and returned July 10 with a bride. He was married in Chicago to Miss Martha Weimar.

SHAWNEE, OKLA.—J. G. Brenner of Indianapolis, Ind., is to build an $18,000 greenhouse here and run it. He has purchased 200 feet frontage on Broadway and Bell street for the purpose of erecting the glass.

Seasonable Stock

ALL IN THE BEST CONDITION

Chrysanthemums

(NOT the hard or stunted kind.)

Beatrice May, Dr. Enguehard,
C. Touset, Col. Appleton,
Mrs. Wm. Duckham, Glenview,
Mary Mann, Madonna,
Polly Rose, Zimmer's Yellow,
Early Snow, Rosiere,
Ivory, Lavender Queen,
Bonnaffon, Angele Laurent,

$3.00 per 100; $25.00 per 1000.

Golden Dome, Mlle. J. Rosette,

$6.00 per 100.

Best of the Pompons

Lulu, Kitty Bourne,
Baby, Wyndham,
Klondyke, Garza,

$3.00 per 100; $25.00 per 1000.

Cyclamen

From our own seed; no better strain.
3-in. pots ....$10.00 per 100
3½-in. pots .... 15.00 per 100
4 in. pots .... 25.00 per 100

Begonia Lorraine

2¼-in. pots..... $15.00 per 100; $140.00 per 1000
3-in. pots, strong....................$20.00 per 100
4-in, pots, extra strong .... 35.00 per 100
The last named will make 8-in. pot specimens.

Ficus Pandurata

2½ ft. tall....................$2.00 each
4 ft. tall.................... 3.00 each
6 ft. tall.................... 5.00 each
Branched plants in tubs.............
............$4.00, $5.00, $6.00 and $7.50 each

Asparagus Plumosus

3-in. pots. extra heavy...............
...............$7.00 per 100; $60.00 per 1000

Dracena Terminalis

3-in. pots, extra fine, $7.00 per 100; $65.00 per 1000

Crotons

Finest collection in the country.
4-in. pots, strong....................$25.00 per 100
5-in. pots, strong......$5.00 and $ 6.00 per doz.
6-in. pots, strong...... 9.00 and 12.00 per doz.
Fine for summer window decoration.

Gardenias

Extra fine plants.
3-in. pots. ......$12.00 per 100; $100.00 per 1000
3½-in. pots...... 15.00 per 100; 140.00 per 1000
4-in. pots ....$16.00 per 100

Carnations

Immediate and later delivery. Per 100
Robt. Craig, field-grown....................$ 5.00
Lady Bountiful, field-grown 5.00
White Enchantress, 4-in. pots........... 10.00
Enchantress, 3½-in. pots................ 6.00
Pink Seedling, a good thing, 3½-in. pots. 6.00
White Perfection, 3½-in. pots............ 5.00

ROBERT CRAIG COMPANY, Market and 49th Sts., Philadelphia

FERNS FOR DISHES

Assorted Varieties.

From 2-in pots, $3.00 per 100; $25.00 per 1000.
Cash with order.

FRANK OECHSLIN

2570-2606 W. Adams St., Chicago.
Formerly Garfield Park Flower Co.

San Francisco.

BUSINESS QUIET.

At present there is very little business going on in the city or vicinity; in fact everything has been exceedingly quiet for a long time. Except for the closing exercises of the schools and a few funeral orders, the retailers have lately had a very restful time, for which they are not at all grateful. Prices have gone up a little lately as the supply has shortened up considerably especially of roses and carnations. Sweet peas are still coming in in large quantities and are finding a ready sale. Lilium auratum is to be seen in all the windows also a few L. album and L. rubrum. Gladioli are very fine this year also irises and both are being disposed of at fair prices.

NOTES.

At the last two meetings of the Pacific Coast Horticultural Society, F. Ludemann presented a paper on "Rhododendrons and Ericas," which was very interesting and instructive, drawing a large attendance at both meetings.

D. Raymond of the Garden City Pottery Co., San Jose, reports an order from Australia for 500,000 flower pots. The business has increased so much lately that the company is obliged to enlarge its pottery capacity.

John R. Sievers, of Sievers & Jaques, 1625 Van Ness avenue, has purchased the entire interest of J. R. Jaques and is conducting the business himself.

N. Armonino has enlarged his plant, by the addition of one house 25x100 feet in which he will grow Asparagus plumosus.

H. Plath intends taking a trip to Europe this coming fall, returning in time to take in the National Flower Show at Chicago.

N. Peterson who has been spending his vacation in Lake county has improved very much in health from his outing.

E. W. McLellan is erecting two large greenhouses on his place at Burlingame, one to be 350 feet long.

Cleis & Jacobsen are reporting quite a rush of funeral orders lately.

P.

PALMS Home Grown.

COCOS WEDDELLIANA.

	Each	Doz.
2½-in. pot, 8 to 10 in. high........	.10	
2½-in. pot, 10 to 12 in. high........	.15	

KENTIA BELMOREANA.

	Each	Doz.
6-in- pot, 6 to 7 leaves, 22 to 24 in..	$1.00	$12.00
6-in. pot, 6 to 7 leaves, 24 to 26 in..	1.25	15.00
6 in. pot, 6 to 7 leaves, 26 to 28 in..	1.50	18.00
7 in. pot, 6 to 7 leaves, 30 to 36 in..	2.00	24.00
7-in. pot, 6 to 7 leaves, 32 to 34 in..	2.50	30.00
9-in. tub, 6 to 7 leaves, 42 to 48 in..	5.00	

KENTIA FORSTERIANA.

	Each	Doz.
6-in. pot, 5 to 6 leaves, 28 to 30 in..	$1.00	$12.00
6-in. pot, 6 leaves, 30 to 34 in......	1.25	15.00
6-in. pot, 6 leaves, 34 to 35 in......	1.50	18.00

MADE-UP PLANTS.

	Each	Doz.
7-in. pot, 4 plants in pot 34 to 36 in.	$2.50	$30 00
9-in, tub. 4 plants in tub 42 in.....	4.00	48.00

JOSEPH HEACOCK COMPANY, Wyncote, Pa.

FERNS and ASPARAGUS.

	Per 100
2¼-in. Boston and Piersoni, extra strong.......	$3.50
3 -in. " " " " "	7.00
4 -in. " " " " "	12.50
5 -in. " " " " "	25.00
6 -in. " " " " "	50.00
2¼-in. Scottii and Elegantissima, extra strong..............	4.00
3-in. Scottii and Elegantissima, extra strong..............	$ 8.00
2¼-in. Asparagus Plumosus extra strong......	3.00
2¼-in. " Sprengeri, " "	2.25
3 -in. " " " "	5.00
4 -in. " " " "	8.00
3 -in. Whitmani..............	12.50

THE MOSBAEK GREENHOUSE CO., Onarga, Ill.

LARGEST STOCK OF ALL

Belgian Plants

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

LOUIS VAN HOUTTE, PERE, GHENT, BELGIUM.

Neph. Whitmani

2¼-inch....................$ 5.00 per 100
3½-inch.................... 25.00 per 100

Boston Ferns 2¼-inch, $3.00 per 100.

Henry H. Barrows & Son, WHITMAN, MASS.

VAUGHAN'S SEED STORE,
CHICAGO, 84-86 Randolph St. NEW YORK, 14 Barclay St.

AMES, IA.—F. J. Olsan, whose greenhouses west of the college supply the demand for cut flowers for various college functions, has outgrown his 9,500 feet of glass and finds it necessary to enlarge his capacity. The addition will consist of 5,500 feet of glass. Mr. Olsan is also contemplating opening a branch store downtown.

DENISON, TEX.—The annual flower show, under the auspices of the Civic Improvement League, will be held November 11-13. This organization has already held two very successful shows and looks forward to an even greater success this year.

OUR PASTIMES.

CONTINUED FROM PAGE 1313.

At Philadelphia.

BOWLING.

The series of five matches to decide or select the team to represent the Florists' Club in the national tournament at Niagara Falls is being bowled on Thursday evenings. The first match was rolled on the club alleys July 9 and resulted in some very good scores. There are 10 contestants which makes two teams of five each, one captained by Robertson and the other by Yates, two of the best bowlers in the club.

The second match was bowled July 16, on the Olympic alleys on Arch street below Broad street. Here the alleys were strange, none of the men having bowled here except on trial games a year ago. There was a slight falling off from the averages made on the home alleys where the five high men made 191 average while here it was 181, a very good showing. In the first match Robby's team won with a margin of 75 pins. Yates' boys however, captured the second in a close finish by the narrow margin of five pins. The scores follow:

FIRST MATCH, CLUB ALLEYS.

	1st	2nd	3rd	Total
Robertson	184	157	215	556
Connor	226	221	213	660
Graham	147	180	171	498
Kift	147	158	174	479
Westcott	157	183	201	541
Grand total	861	899	974	2744
Yates	171	188	179	538
Dodds	177	172	198	547
Adelberger	178	145	212	535
Harris	202	166	205	573
Batchelor	161	177	138	476
Grand total	889	848	932	2699

SECOND MATCH, OLYMPIC ALLEYS.

	1st	2nd	3rd	Total
Robinson	168	158	206	532
Connor	180	159	188	527
Graham	212	168	150	530
Kift	167	181	179	527
Westcott	182	133	161	476
Grand total	909	799	884	2592
Yates	176	213	192	581
Dodds	167	160	138	465
Adelberger	186	181	185	552
Harris	145	180	158	483
Batchelor	198	130	190	518
Grand total	872	864	863	2599

LADIES' BOWLING.

The ladies bowling team of the Florists' Club has been taking quite an interest in the game throughout the winter, meeting about twice a month for a social game. As the convention loomed up the sending of a team to compete with the ladies' clubs of other cities was arranged as a matter of course, as quite a few of the members have made good strides in the game, as an inspection of the following scores made in the matches which are now being rolled on Thursday afternoons in July will show. The team is to be selected from those having the best averages of the month.

JULY 3.

	1st	2nd	3rd	Total
Mrs. Sibson	68	95	119	282
Mrs. Wolff	126	119	116	361
Miss Robertson	79	91	79	249
Mrs. Robertson	98	91	139	328
Mrs. Dorp	112	73	66	251
Mrs. Goebel	77	75	130	272

JULY 10.

Mrs. Harris	96	81	71	248
Mrs. Robertson	105	117	110	332
Mrs. Dorp	67	67	65	199
Miss Graham	122	145	119	386
Mrs. Sibson	92	108	106	306
Mrs. Goebel	104	127	87	318
Mrs. Wolff	106	108	80	294

JULY 17.

Mrs. Harris	73	106	72	251
Mrs. Sibson	60	77	83	220
Mrs. Craig	49	76	56	181
Mrs. Robertson	106	121	103	330
Miss Graham	108	102	90	300
Mrs. Dorp	76	63	113	252
Miss M. Graham	99	81	78	258
Mrs. Goebel	95	72	112	279
Miss Robertson	72	59	80	201

K.

American Beauty Plants

3,000 3-inch pots.

JOHN BURTON

Chestnut Hill, PHILADELPHIA, PA.

At New York.

GREEK-AMERICAN OUTING.

The outing of the Greek-American Retail Florists' Association was held at Witzel's Point View Grove July 16. The weather was exceptionally cool and clear and the affair, thanks to the good management of the promoters, was a great success. Though there was a large representation of Greek florists and their families, there was also a large number attended who are not of that nationality. There were baseball games, foot and sack races and dancing, every one having an opportunity to enjoy themselves according to their inclination. George D. Nicholas, N. Christatos, M. Rovatzos and others were untiring in their efforts to show everybody a good time. Two good meals were served, the first on arriving at the grove and another just before the start was made for home. A good band of musicians enlivened the trip on the steamer to and from the grove and furnished music for the dancers. Short after dinner speeches were made by Rev. Peter Lazaris and Geo. D. Nicholas, both speakers being enthusiastically applauded.

BOWLING SCORES.

	1st	2nd	3rd
Donaldson	179	191	169
O'Mara	143	144	157
Scott	145	137	166
Berry	112	159	135
Irwin	145	168	165
Chadwick	179	193	201
Zangen	125	118	143
Shaw	134	156	146

At St. Louis.

The picnic given by the Florists' Club at Normandy Grove July 15, was a success, notwithstanding the morning opened with dark, angry clouds, which bespoke a rainy day. By 10 a. m. the clouds had dispersed and did not appear again till about 3 p. m. At least 300 persons attended the picnic. Charlie Schoenle and Wm. C. Smith together with Frank Filmore and Charlie Beyer formed a reception committee which did itself proud and never seemed to tire of attending to the wants of the visitors. Will Young, our president, was plainly in evidence. The sporting events were the feature of the day including the ball game. A good band brought in by Chas. Beyer gave great satisfaction and the dancers made merry; that everyone had a good time was the universal verdict.

The ball game was a very exciting affair and the five innings were played hard, each side being determined to win. The wholesalers were a confident bunch with George Schriever, their pitcher and Fred Alves their catcher. So were the retailers with Oscar Huettamann the pitcher and Hermann Weber the catcher, son of F. C. Weber. Oscar was wild and Hermann handled his shorts bravely. He was so badly bruised upon his arm he had to retire in the fourth inning. The umpires, Fred Ammann of Edwardsville, Ill., and Henry Ostertag, gave general satisfaction. Fred was behind the bat and Henry at the bases. Owing to a very close decision in the fourth inning given by Henry Ostertag who declared a retailer out at second a report was circulated that the wholesalers had bought up Henry Ostertag. Of course this could not be proved but the following day a great many flowers were seen coming from the wholesale houses to Henry's store. In fact the reports went so strong the retailers claimed he was to receive flowers for the remainder of the week gratis.

NOTES.

F. C. Weber and wife were much missed. Fred and his brother Hermann represented them together with John Steidle, Theodore Miller and their families.

The ladies' egg and spoon race was a very exciting affair and had to be run three times by the two contestants, Mrs. Charlie Beyer and Mrs. Henry Riessen.

Willie Smith when wanted could be found with the ladies. They were all after him, especially the single ones.

Pilcher was very noisy and made lots of noise during the game. He was ordered off the field for his loud coaching.

Mrs. Chas. Schoenle and her husband worked hard for the success of the picnic.

Billy Winters, Fred Ude and others from Kirkwood took in everything.

Robt. Windler seemed to enjoy the outing and took in everything.

C. A. Kuehn was a great rooter at the ball game.

Frank Filmore and his father look as young as ever.

BOWLING PRIZES (MEN).

First prize, box of cigars, donated by John Stahler, won by C. A. Kuehn. Second prize, case Budweiser, donated by Chas. Beyer, won by Theodore Miller. Third prize, pipe, donated by Chas. Schoenle, won by Wm. Guy. Fourth (booby) prize, merry widow handkerchief, donated by Chas. Schoenle, won by Frank Vennemann.

(LADIES.)

First prize, box perfume, donated by Alex. Siegel, won by Miss Miller. Second prize, doily, donated by Mrs. Chas. Schoenle, won by Mrs. Beyer. Third prize, decorated cake, donated by Pechmann catering company, won by Mrs. Guy. Fourth (booby) prize, merry widow handkerchief, donated by Mrs. Chas. Beyer, won by Miss McNeinne.

One hundred yard dash.—A. Hartman, first, cuff buttons; Miss Minnie Beyer, second, parasol.

Boys, 12 to 16, 100 yard dash.—E. Rourke, fountain pen.

Egg and spoon race.—Mrs. A. Riessen, canary bird and cage.

Hop, step and jump.—Fred Alves, umbrella.

Young ladies, 50 yard dash.—Miss Winters, gold hat pin.

Boys under 12, 50 yard dash.—Clarence Bentzen, ball and bat.

Two hundred and twenty yard run.—A. Hartmann, hat.

Boys and girls potato race.—Willie Fitzgerald, catching glove, and Miss Winters, parasol.

In the baseball game, Wholesalers vs. Retailers, the former won by 9 to 8, five innings played.

W. F.

SHREVEPORT, LA.—Major Foote and Congressman Watkins arrived here July 7 and at once began the distribution of free seed to the Louisiana flood sufferers. More than 16,000 have already made application. Sorghum, millet, June corn, peas and turnip seed will be given out.

Papyrus in Place of Wood.

Why is it that, among the expedients for substituting other products than wood for the making of paper, the present age ignores papyrus? Probably the earliest paper, as well as the cheapest and most endurable, was made from papyrus. Paper made from wood fibre is wasteful and perishable. Herculaneum furnishes specimens of writing on papyrus in perfect preservation, while it is difficult to keep a file of modern newspapers for a decade. But paper was by no means the only product of papyrus. Mats, sails, boats and baskets, as well as coarse food, were made from these Egyptian rushes. Considering the matter of baskets alone, think of the almost incredible amount of wood consumed in fruit baskets, large and small, of this fruit bearing country, baskets which, with characteristic unthrift, are, as a rule, used but once. The fibre of papyrus would serve this purpose again as it did centuries ago. Why cannot some of our southern marshes be turned into papyrus plantations, so utilizing land, making a new industry and sparing our forests?—New York Tribune.

European Horticulture.

FROM THE GERMAN TRADE PAPERS.

VIOLA CORNUTA G. WERMIG.—The revival of interest in Viola cornuta, as now witnessed in all parts of Europe, bids fair to make it a close rival to the pansy in the near future as regards exrapid advent and development promises to win for it a goodly share of the favor hitherto claimed by its near relative of still greater renown, the violet. The new variety of Viola cornuta, G. Wermig, several years after its origination near London and before it found its way into Germany or elsewhere, proved highly profitable stock in the hands of its grower, who encountered no difficulty in readily disposing of its fine deep violet blue flowers at Covent Garden market as fast as they could be picked and bunched. German growers describe this sort as the most effective for bedding and outdoor display, a constant and prolific producer of perfect, gracefully formed and charmingly hued blooms; all are unanimous in their praise of the "summer violet."

A NOTEWORTHY NEW PRIMROSE.—Among greenhouse plants of recent introduction none, it is claimed, exhibits in so great a degree decided improvement over older forms of its kind than the new variety of Primula Sinensis, Morgenrote. As its name suggests, the flowers are of a color but rarely met with in Chinese primulas, a pale salmon, shading off gradually into a soft, delicate rose. Add to this a splendid habit of growth of the most free flowering of plants ever beheld, and the opinion as expressed by one who has grown it, seems justified when he says that Morgenrote is an acquisition destined to occupy as exalted a position among primulas as that now held by Gloire de Lorraine among begonias.

PLANTS, 1½c. All from 2-inch pots.

Swainsona alba, Coleus, Feverfew (dbl. white), Shasta Daisy (two kinds), Smilax, Celestial Peppers, Geranium (Ivy, Nutt, Dbl. Grant, Gen. Grant, Buchner, Viaud, etc.); all above, 2 and 2½-in. stock, at 1½c. Chinese Primroses, 2-in., 2c.

Cash or C. O. D.

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" 4-in. pots	4.00	33.00
Coleus, 2½-in. pots	2.00	17.00
Double Petunias, 3-in. pots	$3 00	$25.00
Asparagus Plumosus, 3-in. pots	5.00	
Asparagus Sprengeri, 2½-in. pots	2.50	22.00
Salvia Zurich, 3-in. pots	3.00	

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Asparagus Plumosus, 2-in., $3.00 per 100; 3-in., $5.00 per 100.
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PEKIN, ILL.—Miss Toppen, one of Geo. A. Kuhl's assistants, is a noted swimmer and recently performed the feat of swimming over a mile in the Illinois river.

Plants from 3-in. Pots at $3.00 per 100

Dwarf Alyssum, Gazania Splendens, Cupheas, Moschosma riparium, Swainsona alba, Euonymus radicans, Geraniums, best commercial varieties, Rose and Peppermint Geraniums, Moonvine, the true white large flowering.

Clematis, large flowering varieties, 2-year-old plants, red, purple and white, $3.00 per dozen. Clematis paniculata, 3-in. pots, $5.00 per 100.

Honeysuckle, Halleana and Red Trumpet, strong plants, $1.50 per dozen, $10.00 per 100.

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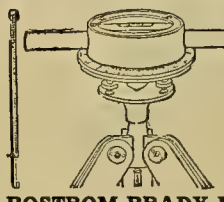

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Ampelopsis Veitchii, 4-in., 2 yrs., $1.50 per doz.; $10 per 100; 3-in., $5 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

ARAUCARIAS.

Araucaria excelsa, 5-in., 3 tiers, 8 to 10 ins., 40c; 5¼-in., 3 to 4 trs., 10 to 13 ins., 50c; 5½ and 6-in., 4 to 6 trs., 14 to 20 ins., 60c to $1 each. Robusta compacta, 6-in., 3 trs., $1.25 to $1.50. Excelsa glauca, specimens, 7-in., 5 trs., 25 to 30, 35 to 40 ins., $1.50 to $4 each. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Araucaria excelsa, 4-in., 6 to 8 ins., 2 to 3 whorls, $5 per doz.; $40 per 100. Vaughan's Seed Store, Chicago and New York.

Araucarias. L. Van Houtte, Ghent, Belgium.

ASPARAGUS.

Asparagus Sprengeri, from rose pots, $1.50 per 100; $15 per 1,000. Deflexus, small, $3.50 per 100; 4-in., $7 per 100. A. M. Herr, Lancaster, Pa.

Asparagus plumosus, 2-in., $25 per 100; 4-in., $10 per 100; 6-in., $15 per 100. Comorensis, 3-in., $6 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

Asparagus Sprengeri, 2-in., $2.50 per 100; 3-in., $5; seedlings, $1 per 100. Plumosus, 2-in., $3; 3-in., $5. G. M. Emmans, Newton, N. J.

Aspargus plumosus, 3-in., $5 per 100. Sprengeri, 2½-in., $2.50 per 100; $22 per 1,000. Perennial Gardens Co., Toledo, O.

Asparagus plumosus, 3-in., $5 per 100; Sprengeri, 2½-in., $3 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Asparagus plumosus, 3-in., $7 per 100; $60 per 1,000. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Asparagus Sprengeri, strong seedlings, 75c per 100; $7 per 1,000. The W. T. Buckley Co., Springfield, Ill.

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Asparagus plumosus seedlings, from flats, $10 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

Asparagus plumosus, 2-in., $3; 2½-in., $4 per 100. Vaughan's Seed Store, Chicago and N. Y.

Asparagus Sprengeri, 2-in. pots, $2 per 100. Wm. B. Sands & Sons Co., Lake Roland, Md.

Asparagus plumosus nanus, $1.50 per 1,000. Drake Point Greenhouses, Yalaha, Fla.

Asparagus plumosus, 2¼-in., $2 per 100. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus and Sprengeri. Geo. A. Kuhl, Pekin, Ill.

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Asters, red large branching, $1.50 per 100; $7 per 1,000; 2,000, $12; 5,000, $25. Perth, Florist, Mason City, Iowa.

Asters, Victoria, 2½-in., sep. colors, $2 per 100. G. Aschmann, 1012 W. Ontario St., Philadelphia.

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Azaleas. Jacs Smits, Ltd., Naarden, Holland.

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2,000 bay and box trees in all sizes; pyramid and standards. Write for list. Julius Roehrs Co., Rutherford, N. J.

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BEGONIAS.

Begonias, Gloire de Lorraine, bushy plants, $15 per 100; $140 per 1,000. Agatha (Veitch), $18 per 100. Young plants from cuttings of either, $8 per 100; 4-in., $35 per 100. J. A. Peterson, McHenry Ave., Westwood, Cincinnati, O.

Begonia Gloire de Lorraine, 2½-in., leaf cuttings, $15 per 100; $140 per 1,000; 4-in., $35 per 100. S. S. Skidelsky, 1741 N. 18th St., Philadelphia.

Begonia Gloire de Lorraine, 2¼-in., $15 per 100; $140 per 1,000; 3-in., $20 per 100; 4-in., $35 per 100. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Begonia Gloire de Lorraine, strong plants from leaf cuttings, 2¼-in. pots, $12 per 100; $110 per 1,000. Julius Roehrs Co., Rutherford, N. J.

Begonia Gloire de Sceaux, 2¼-in., $10; Fairy Queen, 2½-in., $4; Vernon, 2½-in., $4. Vaughan's Seed Store, Chicago and New York.

Begonia Gloire de Lorraine, 3-in., 25c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Begonia Gloire de Lorraine, 2¼-in., $15 per 100. A. N. Pierson, Inc., Cromwell, Conn.

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Begonias, Rex, $5 per 100. Geo. M. Emmans, Newton, N. J.

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Bouvardias, large white, 3-in., $4 per 100; $35 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

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Box tree pyramids, 4 ft., 24 in., $4 each; $7 pair; 4 ft., 26 in., $4.50 each; $8 pair; 4½-ft., 22 to 24 in., $4.50 each; $8 pair; 4½ ft., 24 in., $5.50 each; $10 pair; 4½ ft., 26 in., $7 each; $13 pair; 5 ft., 22 to 24, $4.50 each; $8 pair; 5 ft., 24 in., $5.50 each; $10 pair; 5 ft., 26 in., $7 each; $13 pair; 5 ft., 30 in., $7 each; $13 pair; 6 ft., 34 in., $8 each; $15 pair; 5½ ft., 20 to 24 in., $5.50 each; $10 pair; 6 ft., 34 in., $8 each; $15 pair. Standards: 18 to 20 in. Stem, 34 to 36 in. head, $15 pair; 24 to 26 stem, 34 to 36 head, $8 each; $15 pair; 18 to 24 stem, 32 to 34 head, $7 each; $12.50 pair; 18 to 24 stem, 30 to 32 head, $5.50 each; $10 pair; 18 to 24 stem, 24 to 26 head, $4.50 each; $8 pair; 18 to 24 stem, 22 to 24 head, $4 each; $7 pair; 18 to 24 stem, 24 head, $3 each; $5 pair. Vaughan's Seed Store, Chicago and New York.

Boxwoods. Jacs Smits, Ltd., Naarden, Holland.

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Bulbs, Freesia refracta alba, California grown, choice, ½ to ¾-in., 65c per 100; $5 per 1,000; first quality, ⅜ to ½-in., 45c per 100; $3 per 1,000. Vaughan's Seed Store, Chicago and New York.

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Bulbs of all kinds. A. T. Bodington, 342 W. 14th St., New York.

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Bulbs, Lilium Phillippensis, $2.75 per 100; $25 per 1,000. Mangowood Floral Co., Manila, P. I.

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Bulbs, Lilium Harrisii, 6-7 in., 350 to case, $6 per 100; $50 per 1,000; 7-9 in., 200 to case, $9 per 100; $80 per 1,000; 9-11 in., 100 to case, $18 per 100; $170 per 1,000; case lots at 1,000 rate. Freesia refracta alba, Bermuda grown, ½-in. up, $1 per 100; $7.50 per 1,000; French grown, ¾-in. up, $1.50 per 100; $12 per 1,000. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

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Cannas, best French novelties, 4-in., $5 per 100. G. Aschmann, 1012 W. Ontario St., Phila-

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Carnations, field-grown, Enchantress, Rose Pink Enchantress, Robt. Craig, White and Pink Lawson, $6 per 100; $50 per 1000. White Perfection, Lady Bountiful, Victory, $7 per 100. Harry Heinl, West Toledo, O.

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Golden Beauty	$3.00	W. Ivory	2.50
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Clematis, Jackmani, 6-in., 3 ft., 35c and 40c. G. Aschmann, 1012 W. Ontario St., Phila.

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Cobea scandens, 4-in., $8 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

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Coleus, Versch., and fine assorted, 2-in., strong, 2½c. Cash. L. E. Marquisee, Syracuse, N. Y.

Coleus, 2½-in., $2 per 100; $17 per 1,000. Perennial Gardens Co., Toledo, O.

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Coleus, John and Anna Pfister, 2-in., $3 per 100. Vaughan's Seed Store, Chicago and N. Y.

Coleus, 2-in., 1½c. Byer Bros., Chambersburg, Pa.

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Crotons, 4-in., $25 per 100; 5-in., $5 and $6 per doz.; 6-in., $9 and $12 per doz. Robt. Craig Co., Market and 49th Sts., Philadelphia.

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Cyclamens, 3-in., $10 per 100; 3½-in., $15 per 100; 4-in., $25 per 100. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Cyclamens, giant flowering, 3-in., $8; 4-in., $15 per 100. Vaughan's Seed Store, Chicago and New York.

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Dahlias, pot plants, named, cactus and large flowering, $6 per 100. Vaughan's Seed Store, Chicago and New York.

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Dracæna terminalis, 3-in., $7 per 100; $65 per 1,000. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Dracæna indivisa, 3-in., $5; 4-in., $9; 5-in., $20 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

Dracæna indivisa, 3-in., $5 per 100. G. M. Emmans, Newton, N. J.

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Ferns, Boston, 2½-in., $4; 3½-in., $10; 4-in., $15; 5-in., $25; 6-in., $40; 7-in., $60; 8-in., $100. Whitmani and Amerpohlii, 2½-in., $15; 3-in., $25; 4-in., $40; 5-in., $50; 6-in., $75; Specimens, 8-in., $2.50 to $3.50 each; 10-in., $3.50 to $5 each. Geo. A. Kuhl, Pekin, Ill.

Ferns, Boston and Scottii, 4-in., 20c; Boston, 6-in., 40c to 50c; Scottii, 5½-in., 40c; Whitmani, 4-in., 20c; 5½ to 6-in., 40c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns, Whitmani, 2¼-in., $5 per 100; 3½-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Son, Whitman, Mass.

Ferns for dishes, assorted vars., 2-in., $3 per 100; $25 per 1,000. Frank Oechslin, 2570 W. Adams St., Chicago.

Ferns. See our display advertisement for varieties and prices. Mosbæk Greenhouse Co., Onarga, Ill.

Ferns, Boston and Piersoni, 2½-in., $3 per 100; 3-in., $6; 4-in., $10; 6-in., 40c each. Thos. Salveson, Petersburg, Ill.

Ferns, Boston, 5-in., 30c each. Geo. M. Emmans, Newton, N. J.

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Ficus Pandurata, 2½ ft., $2 each; 4 ft., $3; 6 ft., $5; branched plants in tubs, $4, $5, $6, $7.50 each. Robt. Craig Co., Market and 49th Sts., Philadelphia.

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Geraniums, 2-in., standard, $2 per 100 up. Will send 1,000, 50 each of 20 vars., our selection, $18.50; 500 for $9.50. S. A. Nutt, A. Ricard, $2 per 100. Trego, Henderson, Mrs. Lawrence. $3 per 100. La Pilote, $2 per 100. Berthe de Presilly, $3 per 100. Paul Crampel, $6 per 100, above 2-in. ready for 3-in. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, best commercial varieties; rose and peppermint, 3-in., $3 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

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Geraniums, 3-in., $3 per 100; $25 per 1,000; 3½-in., $3.50 per 100; $28 per 1,000; 4-in., $4 per 100; $33 per 1,000. Perennial Gardens Co., Toledo, O.

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Geraniums, standard varieties mixed, 2¼-in., $2.50 per 100. Mosbæk Greenhouse Co., Onarga, Ill.

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Geraniums, 4-in., 5c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Geraniums, S. A. Nutt, 3-in., 5c. Perth, Florist, Mason City, Iowa.

Geraniums. James Vick's Sons, Rochester, N. Y.

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Gloxinias. L. Van Houtte, Pere, Ghent, Belgium.

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Greens, bronze, galax, $8.50 per case of 10,000; green, $7.50 case of 10,000. Dagger and fancy ferns, $1 per 1,000. Laurel festooning, boxwood, southern wild smilax, sphagnum and green moss, leucothoe sprays, etc. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, dagger and fancy ferns, $1.75 per 1,000. Bronze and green galax, $1.25 per 1,000. Leucothoe sprays, $1 per 100; $7.50 per 1,000. Sphagnum moss, per bale, $1.25. Boxwood bunches, 35c; 50 lbs., $7.50. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 53 W. 28th St., New York.

Greens, cut palmetto and cycas leaves, galax leucothoe, ferns, mosses, etc. Kervan Co., 113 W. 28th St., New York.

Greens, smilax, ferns, palm leaves, etc. John P. Scherer, Union Hill, N. J.

Greens, southern wild smilax. E. A. Beaven, Evergreen, Ala.

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Moonvines, true white, 3-in., $3 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

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American Everblooming Hydrangeas, strong nursery-grown plants, $15 per 100; $140 per 1000; strong nursery-grown, 8 to 12 inches, $10 per 100; $90 per 1000; 5000 for $400. Lists free. The E. Y. Teas Co., Centerville, Ind.

Hydrangea Otaksa, in half barrels, $5, $7 and $10 each; in tubs, $2 each. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Hydrangea Snowball, 3-yr., $5 per doz. Vaughan's Seed Store, Chicago and New York.

Hydrangeas. W. & T. Smith Co., Geneva, N. Y.

IVIES.

Ivy, English, 4-in., $1.50 per doz.; $10 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Ivy, English, 4-in., $10 per 100; German, 2½-in., $3. Vaughan's Seed Store, Chicago and New York.

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Lilacs. Jacs Smits, Ltd., Naarden, Holland.

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Lily of the valley, pips, cold storage. J. M. Thorburn & Co., 33 Barclay St., New York.

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Lobelia, new dbl. Kathleen Mallard, 3-in., $6 per 100. Vaughan's Seed Store, Chicago and New York.

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Sphagnum moss, 5 barrel bale, $1.25; 2 bales, $2.25; 5 bales, $5; 10 bales, $9.50. H. R. Akers, Chatsworth, N. J.

Sphagnum moss in burlap, or wired bales. Write for prices. Vaughan's Seed Store, Chicago and New York.

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Swanson's new varieties of Mushroom Spawn is the best spawn on the market. Write for price list and book about mushrooms. Paul Swanson, 2743 W. 47th St., Chicago.

Mushroom spawn. Johnson's improved. Johnson's, Ltd., 44 Bedford Row, London, W. C., Eng.

Mushroom spawn, Sure Crop, $8 per 100 lbs. Weeber & Don, 114 Chambers St., New York.

Mushroom spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock, blue spruce, berried plants, climbing plants, clematis, conifers, evergreens, funkias, Japan maples, hydrangeas. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, trees and shrubs, price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Nursery stock, arbor vitæ (Thuya occidentalis) 3 to 4 ft., 4 to 5 ft. trees. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, large trees, oaks, maples, pines and hemlock. Andorra Nurseries, Chestnut Hill, Philadelphia.

Viburnum plicatum, all sizes up to 4 ft. The Conard & Jones Co., West Grove, Pa.

Nursery stock, fruit and shade trees, shrubs, evergreens. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. Storrs & Harrison, Painesville, O.

ORANGES.

Oranges, Kinkan. P. J. Berckmans Co., Augusta, Ga.

ORCHIDS.

Orchids, C. Trianæ, C. labiata, C. Schroederæ, C. gigas Sanderiana, C. Harrisoniæ, C. citrina, Lælia anceps. Oncidium varicosum Rogersii, O. ornithorhynchum, O. tigrinum, Odontoglossum Insleayi, O. Rossii majus, also orchid peat, sphagnum moss, baskets, etc. Carrillo & Baldwin, Secaucus, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England. New York office, room 1, 235 Broadway.

Orchids, arrived in fine condition, C. Mossiæ, C. Gaskelliana, C. speciosissima and C. gigas Sanderiana. Ordonez Bros., Madison. N. J.

Orchids. Cattleya Dowiana, C. Trianæ, C. labiata., C. Gaskelliana, C. Mossiæ, Lælia Digbyana. Lager & Hurrell, Summit, N. J.

Orchids. Largest stock in the country. Ask for prices. Julius Roehrs Co., Rutherford. N. J.

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Palms, home grown, Cocos Wed., 2½-in., 8 to 12 ins., 10c; 2½-in., 10 to 12 ins., 15c. Kentia Bel., 6-in., 6 to 7 lvs., 22 to 24 ins., $1 each; $12 per doz.; 6-in., 6 to 7 lvs., 24 to 26 ins., $1.25 each; $15 per doz.; 6-in., 6 to 7 lvs., 26 to 28 ins., $1.50 each; $18 per doz.; 7-in., 6 to 7 lvs., 30 to 36 ins., $2 each; $24 per doz.; 7-in., 6 to 7 lvs., 32 to 34 ins., $2.50 each; $30 per doz.; 9-in. tub, 6 to 7 lvs., 42 to 48 ins., $5 each. Kentia Fors., 6-in., 5 to 6 lvs., 28 to 30 ins., $1 each; $12 per doz.; 6-in., 6 lvs., 30 to 34 ins., $1.25 each; $15 per doz.; 6-in., 6 lvs., 34 to 36 ins., $1.50 each; $18 per doz. Made-up plants, 7-in., 4 plts. to pot, 34 to 36 ins., $2.50 each; $30 per doz.; 9-in. tub, 4 to tub, 42 ins., $4 each; $48 per doz. Joseph Heacock Co., Wyncote, Pa.

Palms, Kentia Fors., 6 to 7-in., 36 ins., $2 each; 40 to 50 ins., $2.50 to $3; 6-in., 30 ins., $1.50; 6-in., 25 ins., $1; 6-in., 20 to 25 ins., 75c; 5 and 5½-in., 50c. Kentia Bel., 5¼ to 5½-in., 22 to 25 ins., 50c, 60c, 75c; 4-in., 20 to 22 ins., 35c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Latania Borb., 2½-in., $4; 3-in., $7. Vaughan's Seed Store, Chicago and New York.

Palms, high class. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Palms. P. J. Berckmans Co., Augusta, Ga.

Palms. L. Van Houtte, Pere, Ghent, Belgium.

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Pelargoniums, named kinds, 4-in., $15 per 100. Vaughan's Seed Store, Chicago and N. Y.

PEONIES.

Peonies, Felix Crousse, De Candolle, Rubra Grand, Rubra Triumphans, M. Crousse or Am. Beauty, in red. Festiva Maxima, $15 per 100; Mme. Calot, Mme. Crousse, Queen Victoria, $8 per 100, whites. Livingston, Floral Treasure, Model of Perfection, M. Boucharlat Aine, E. G. Hill Co., Richmond, Ind.

Peonies, a very choice collection, including the very best sorts. Festiva Maxima, strong divisons, $18 per 100. Queen Victoria, strong divisons, $7 per 100. Lists free. Other varieties in proportion. The E. Y. Teas Co., Centerville, Ind.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Peonies, the largest stock of best French varieties. Strong plants. Low prices. Catalogues free. Dessert, Peony Specialist, Chenonceaux, France.

Wholesale peony list for fall 1908 is now ready. J. F. Rosenfield, West Point, Neb.

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Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies, leading vars. W. & T. Smith Co., Geneva, N. Y.

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Petunias, double sorts, 2½-in., $4 per 100. Vaughan's Seed Store, Chicago and New York.

Petunias, dbl., 3-in., $3 per 100; $25 per 1,000. Perennial Gardens Co., Toledo, O.

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Poinsettias, hard and soft wood, 2½-in. pots, $4 per 100. McIntyre Bros., Florists, Nashville, Tenn.

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Poinsettias, 2½-in., $1 per doz.; $7 per 100. Vaughan's Seed Store, Chicago and New York.

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Primulas, Chinese giant fringed in 6 different colors from 2-in. pots, 2c. Obconica, Lattman and Ronsdorf, large flowering hybrids, 8 colors, fringed, 2 colors from 2-in. pots in August, 2c. J. L. Schiller, 929 Prouty Ave., Toledo. O.

Primroses, Chinese single fringed, $2 per 100. Obconica, alba, rosea, $2. Gigantea and Kermesina, $3. Forbesi, "Baby," $2. Jos. H. Cunningham, Delaware, O.

Primula obconica, 2-in., $3 per 100. Vaughan's Seed Store, Chicago and New York.

Primroses, Chinese, 2-in., 2c. Byer Bros., Chambersburg, Pa.

RHODODENDRONS.

Rhododendrons. Jacs Smits, Naarden, Holland.

ROSES.

Roses, Mrs. Jardine, Rhea Reid, Queen Beatrice, My Maryland, $3 per doz.; $20 per 100. Killarney, Maid, Bride, Wellesley, Wootton, La Detroit, MacArthur, Richmond, Enchantress, Bon Silene, Papa Gontier, Etoile de France, Kate Moulton, Franz Deegan, Tom Field, Hermosa, M. Niel, Maman Cochet, grafted, 3-in., $12 per 100; $100 per 1,000. Own root roses: Bride, Maid, Chatenay, Ivory, 3-in., $6 per 100; $50 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

Roses, Richmond, 2½-in., $3 per 100. Uncle John, 2½-in., $3; 3½-in., $10. Magnafrano, 3½-in., $20; 4-in., $25. Cardinal, 3-in., $10; 4-in., $15. Red Kaiserin, 3-in., $12; 4-in., $20. Bridesmaid, 2½-in., $3; 3-in., $5; 3½-in., $7. Bride, 2½-in., $3; 3-in., $5; 3½-in., $7. Alice Roosevelt, 3½-in., $15; 4-in., $20. Anny Mueller, 3-in., $5. Sunrise, 3-in., $10; 3½-in., $12. Vaughan's Seed Store, Chicago and New York.

Roses, Mrs. Potter Palmer, 2½-in., $7 per 100; 3½-in., $10 per 100. Cardinal, 2½-in., $4 per 100; 3½-in., $5 per 100. Killarney, 2½-in., $5 per 100. Beauties, 2½-in., $5 per 100; 3-3½-in., $6.50 per 100. Chatenay, 2½-in., $4 per 100; 3½-in., $6.50 per 100. Perles, 2½-in., $5. Sunrise, 2½-in., $5. Poehlmann Bros. Co., Morton Grove, Ill.

ROSES. Splendid stock just right for late planting: 150 Chatenay, 100 Kaiserin, 100 Ivory, strong 4-in. pots, $5 per 100. 200 American Beauty, 3½-in., at $6. 500 Bride, 150 Chatenay, 150 Ivory, 500 Maid, strong 3½-in., at $4 per 100. Jos. Bancroft & Son, Cedar Falls, Ia.

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Maid, 2½-in.	$3.00	per	100
Maid, 3-in.	5.00	per	100
Chatenay, 3-in.	4.00	per	100
Ivory, 3-in.	4.00	per	100

G. VAN BOCHOVE & BRO., Kalamazoo, Mich.

Roses, grafted, Chatenay, Killarney, Richmond, Liberty, La France, 3½-in., $18 per 100; Bride, Maid, Golden Gate, Kaiserin, 3½-in., $15 per 100; own root roses: Bride, Maid, Killarney, Richmond, Chatenay, 3-in., $7 and $9 per 100. J. L. Dillon, Bloomsburg, Pa.

ROSE PLANTS—Fine Stock.

	Per 100.	Per 1,000
Brides, 2½-in. pots	$3.00	$25.00
Maids, 2½-in. pots	3.00	25.00

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Roses, 2½-in., Bride, Maid, Uncle John, Ivory, Sunrise, Kate Moulton, $4 per 100; $35 per 1,000. Bench plants: Am. Beauty, $6 per 100; $50 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

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Roses, own root, Maid, Bride, 3-in., $4 per 100; $35 per 1,000. Wellesley, Mme. De Watteville, 4-in., $5 per 100. Mme. Chatenay, 4-in., $5 per 100; $35 per 1,000. S. J. Reuter & Son, Inc., Westerly, R. I.

Roses, Killarney, 2½-in., grafted, $10 per 100. Kaiserin, 2½-in., $4.50 per 100; $40 per 1,000. Perle, 4-in., $8 per 100. Bassett & Washburn, 76 Wabash Ave., Chicago.

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Roses, 400 Maid, 650 Bride, 275 Chatenay, 300 Richmond, 3½-in., $5 per 100; 125 Beauties, 3½-in., for $8. Good stock. The Lamborn Floral Co., Alliance, O.

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Roses, 2-year, field-grown, own roots, old and new varieties. Jackson & Perkins, Newark, N. Y.

Roses, leading varieties. Leedle Floral Co., Springfield, O.

Roses, own root. C. M. Niuffer, Springfield, O.

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Roses a specialty. The Dingee & Conard Co., West Grove, Pa.

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Roses, 3-in., Wood Bros., Fishkill, N. Y.

Roses. James Vick's Sons, Rochester, N. Y.

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Salvia Bonfire, 4-in., $5 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

Salvia Zurich, 3-in., $3 per 100. Perennial Gardens Co., Toledo, O.

Salvias, 4-in., 5c. G. Aschmann, 1012 W. Ontario St., Philadelphia.

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Seeds. Dracæna australis, $2 per oz.; tr. pkt., 25c; Draco, 50c per oz.; tr. pkt., 25c; indivisa, $1.50 per oz.; tr. pkt., 25c. Incarvillea grandiflora, new, $4.50 per oz.; tr. pkt., 50c. Lobelia Hamburgi, tr. pkt., 30c. Primula veris Elatior, improved mixed, $2.50 per oz.; tr. pkt., 35c. Tritoma Express, $2 per oz.; tr. pkt., 30c. O. V. Zangen, Hoboken, N. J.

Seeds, bean, beet, cabbage, carrot, kohl rabi, leek, lettuce, onion, pea, radish, spinach, turnip, swede, aster, balsam, begonia, carnation, cineraria, gloxinia, larkspur, nasturtium, pansy, petunia, phlox, primula, scabious, stock, verbena zinnia, etc. Giant pansy, $5 per oz.; $1.50 per ¼ oz.; 75c per 1-16 oz. Henry Mette, Quedlinburg, Germany.

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Seed, pansy, 3,000 seeds, $1; ¼ oz., $1.50; ½ oz., $2.50; oz., $5; ¼ lb., $14; ½ lb., $25; 1 lb., $50. Peter Brown, 124 Ruby St., Lancaster, Pa.

Seeds, pansy, Jennings strain, mixed, 1 pkt., 4,000 seeds, $1; ⅓ oz., $2; oz., $4. E. B. Jennings, Southport, Conn.

Seeds, Asparagus plumosus nanus, per 1,000 seeds, $2. Sprengeri, per 1,000 seeds, 75c. W. C. Beckert, North Side, Pittsburg, Pa.

Seeds, Asparagus robustus, $2 per 1,000 seeds. Pansy, carnation, daisy and other seeds. J. M. Thorburn & Co., 33 Barclay St., New York.

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Smilax, 2½-in., $2 per 100. Harry Heinl, West Toledo, O.

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Swainsona alba, 3-in., $3 per 100. C. Eisele, 11th and Westmoreland Sts., Philadelphia.

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Wittbold, Geo. Co., 1657 Buckingham Pl., Chicago.

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Chicago—Wittbold, Florist, 1657 Buckingham Place.

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Building material, lumber for greenhouse benches, shiplap, drop siding, sheeting, flooring, white cedar posts, etc. We are in special position to furnish "Pecky Cypress;" everything in pine and hemlock building lumber. Adam Schillo Lumber Co., cor. Weed and Hawthorn Sts., Chicago.

Building material, cypress sash bars, Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pipe fittings, and all supplies needed in new or reconstruction work. Foley Mfg. Co., Western Ave. and 26th St., Chicago.

Headquarters in Canada for Cypress Sash Bars or anything in wood for building purposes. Established 1851. John B. Smith & Sons, Ltd., Toronto, Can.

FERTILIZERS.

Wizard brand pulverized sheep manure, large barrel, $4. The Pulverized Manure Co., 82 Union Stock Yards, Chicago.

Dried and ground SHEEP MANURE. Nature's product unadulterated. For particulars address Natural Guano Co., Aurora, Ill.

HOSE.

A. "SHOWERMAKER," $1. Jos. Kopcsay, So. Bend, Ind.

INSECTICIDES.

Fresh tobacco stems; 50c per 100 lbs.; $10 per ton. Scharff Bros., Van Wert, O.

KNIVES.

Razor steel, hand forged, postpaid. Propagating, 50c; budding, 35c; grafting, 25c; pruning, 75c. Cat. free. Maher & Grosh Co., 91 A St., Toledo, Ohio.

MISCELLANEOUS.

Pillsbury's Carnation Staple, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

POTS, PANS, ETC.

The Red Pot. C. C. Pollworth Co. All roads connect with Milwaukee.

FREE to Florists—Sample box of RED POTS. George E. Feustel, Fairport, Iowa.

If you do not find what you need in our Ready Reference Department, write us about it.

The Best Fifteen Hardy Annuals.

A writer in one of the English papers gives the following as the best 15 hardy annuals:

Bartonia aurea.—A most beautiful decorative plant, with fine foliage and large golden yellow flowers, 18 inches. Sow in autumn or spring, and thin out and stake two feet apart.

Candytuft.—Varieties: Little Prince, white, six inches; White Spiral, 12 inches; Carmine, 12 inches. Sow in autumn or spring in drills one foot apart; thin out same distance. No stakes required.

Centaurea Cyanus (Cornflower).—Various colors. King of Blue Bottles, 12 inches; Victoria, blue and rose, nine inches. Culture, same as candytuft.

Chrysanthemum.—Striking varieties in many beautiful colors are found in C. carinatum and C. coronarium, both single and double forms, one foot to three feet; Dunnettii, dwarf double, yellow, crimson and purple, 12 inches; Morning Star, primrose; Evening Star, yellow, 18 inches. Sow in autumn or spring, and thin out at a distance apart equal to the height. No stakes.

Coreopsis.—Varieties: Tinctoria, yellow and brown, three feet; Drummondii, 18 inches; Dwarf crimson, nine inches. Culture, same as last.

Eschscholtzia.—Brilliant, Poppy-like flowers. Varieties: Golden West, golden yellow; Mandarin, orange, shaded crimson; Rose Cardinal, rose; all 12 inches. Culture, same as candytuft.

Godetia (œnothera).—Brilliant salver-shaped flowers. Whitneyi, carmine; Duke of York, crimson-carmine; Duchess of Albany, pure white; 12 inches. Culture, same as last.

Gypsophila elegans.—Mauve; grandiflora alba, white; 18 inches. A combination of elegance and grace. Culture, same as last.

Larkspur (Annual Delphinium).—Producing fine spikes of flowers in shades of pink, blue, mauve, purple and white; these are admirable subjects for beds or borders. Stock-flowered, three feet; Rocket-flowered, 12 inches. Culture, same as chrysanthemum.

Lavatera.—Magnificent, profuse blooming plants with flowers like single hollyhocks; rosea splendens, rose; alba splendens, white; three feet. Thin out three feet apart. No stakes.

Nemophila insignis.—Bright blue, six inches. Invaluable for edgings, ribbon borders, and carpeting beds. Thin out six inches apart.

Phacelia campanularia.—Without a doubt the most brilliant blue-flowered annual. One of the earliest and longest in bloom; nine inches. Sow in spring and thin out 12 inches apart.

Poppy.—The Shirley poppies are almost endless in variety of shade and coloring; two feet. Sow in autumn or spring two feet apart, and thin out a like distance.

Sweet pea.—The "Queen of Annual Flowers." Varieties: Dorothy Eckford, white; Romolo Piazzani, blue; Countess Spencer, pink; John Ingman, rose; Coccinea, cerise; King Edward, crimson; Queen Alexandra, scarlet; Frank Dolby, light blue; Lady G. Hamilton, mauve; Black Knight, maroon. So much has been written concerning the culture of the sweet pea that it would be superfluous to mention more than that autumn or spring sowing may be practiced in deeply trenched and well-manured ground. Thin out four inches to six inches apart, stake when two inches high with tall stakes, six or eight feet.

Viscaria cardinalis.—Brilliant crimson flowers, surpassing even Linum rubrum; 12 inches. Sow in autumn or spring and thin out 12 inches apart.

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Manufacturers of **Florists' Wire Designs** and **Supplies**. Established 1866.

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Write us for catalog and prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you wish it for display or only for storage.

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Manufactured and sold by
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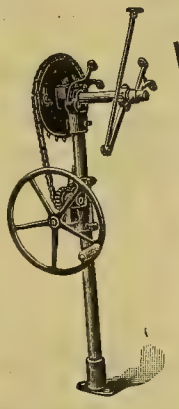
718 Garfield Bldg., **Cleveland, O.**
Write for information and delivered prices.

BENCHES



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The highest quality of material, its neatness, great strength, ease of operation together with reasonable prices and profits, is what makes our line so popular with the florists. Give us a trial order and learn why we please. You will come again.

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Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.

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For the Garden, Orchard and Greenhouse

Non-poisonous and harmless to vegetation.

Kills Green Fly, Aphides, Bark Lice, Thrips, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

This is the Grower's Friend, handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. **$1.50 per gallon.** Also in quarts, half gallons and in bulk.

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FLUSHING, N. Y.

THE BEST Bug Killer and Bloom Saver

For **PROOF**
Write to

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Pipe--Pipe--Pipe

We will sell for the next 30 days new 2-inch black pipe threaded with couplings at **10c per foot.** Quotations on all other sizes on application. This is your opportunity, so speak quickly. Can sell fittings for wrought iron pipe, valves, etc., at proportionate rates. Hot Water and Steam Boilers, especially made for greenhouse heating.

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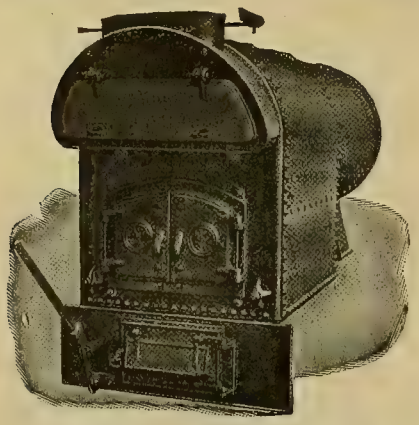
Steam **BOILERS** Water



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Gentlemen.—The internally fired steel boilers which you installed last fall are giving us great satisfaction. They heat very quickly and are very economical. We are exceedingly well pleased with them and they have more than met our expectations. Very truly yours, F. R. PIERSON CO.

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Superior to All Others

FOR HOT WATER HEATING.

Superior Machine & Boiler Works

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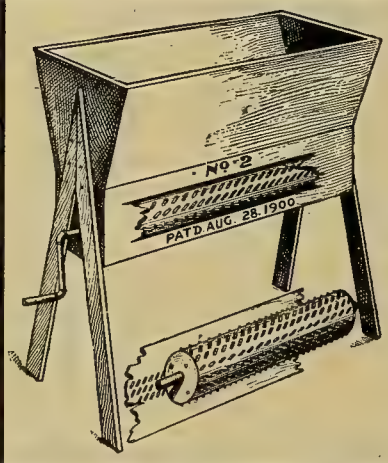
Write for prices and catalogue.



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JUST THE THING

To Pulverize Soil, Crush Sod, and Mix Fertilizer. Simple, Durable, Easily Operated.

MADE IN THREE SIZES.

No. 1. 6x21 inch roll and 46 inches high. Suitable for houses of 5 000 or less feet of glass **Price $10.00**

No. 2. 6x42 inch roll and 46 inches high. Suitable for larger establishments. **Price $15.00**

No. 3. Same as No. 2 with one extra roll and two extra side plates for reducing the soil finer. **Price $25.00**

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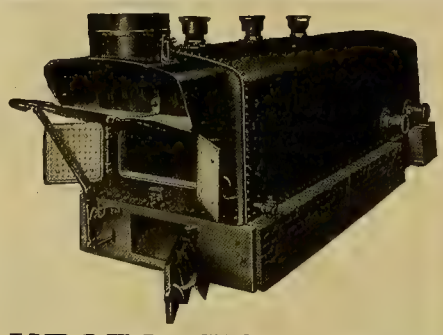
King Construction Company

NORTH TONAWANDA, N. Y.

Manufacturers of Greenhouse Construction. Ventilating Machinery, Iron Frame Benches, and Everything for Greenhouse Building.



SEE HOW WELL THEY LIKE ME

150 New Establishments with 2,158,000 square feet of glass have installed this boiler in 1906.

Ask for list of users and get acquainted with the men who know.

Catalogue and prices on application.

KROESCHELL BROS. CO., 45 Erie St... ...CHICAGO

We will stake our

IMPROVED METHOD OF

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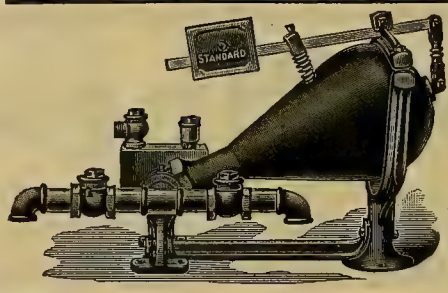
against any other steam or Hot water system of heating on **every point necessary** for a **satisfactory heating system.**

We secure a **greater flexibility** of the heating medium, also secure **economy** in **installation** and in **fuel** for **operation.**

We guarantee users of our systems against infringements.

SIMONDS HEATING & SPECIALTY CO.,

103 Washington Ave., **DETROIT, MICH.**



The Standard Steam Trap,

Has established a record far above that that of any other trap for Florists; being very simple, durable and easily taken care of.

Catalogues of the Trap, Duplex Gutter, and Standard Ventilating Machinery, mailed free upon application.

E. HIPPARD, Youngstown, O.

Toronto.

TRADE FAIR.

Business is of the very ordinary variety, and there is not much doing in anything. The very warm weather had the effect of reducing roses to a very inferior grade and there are not many coming in at that. Kaiserin, Bridesmaid and Bride are about the only varieties one can procure. Carnations are nearly off the list and excepting in light shades there are few to be had. Lilium auratum and L. Harrisii are plentiful and orchids can be had in quantities. Outdoor flowers are very good and help fill in to a considerable extent.

Wm. Bowers, lately with J. H. Dunlop, has been presented with a piece of jewelry by his former fellow employes; as it was so entirely unexpected the pleasure of giving was so much more enjoyed. William has the heartfelt best wishes of his former colleagues now that he is in business for himself.

The new range at Grobbe & Wandrey's is about completed and several benches have been planted with Boston ferns. This firm is cutting longiflorum lilies from cold storage bulbs and they are turning out so successfully that it will be gone into more extensively.

J. H. Dunlop and family are at Rosebank for the summer; at the greenhouses the men are busy replanting the rose benches. In the field the carnation plants look well and are greatly benefited by the recent rains.

D. J. Sinclair and family are in Muskoko spending their holidays. D. J. is an enthusiast of Isaac Walton's so we expect some good yarns on his return about the big ones that all got away.

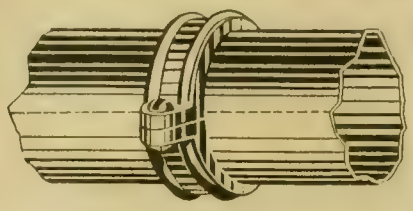
The Dale Estate, Brampton, is sending in asters grown indoors. They are fine large blooms with good long stems and are welcomed by the storemen.

The store windows are mostly decorated with green predominating which has quite a cool effect in this weather.

H. G. D.

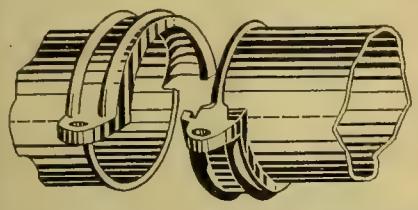
ELIZABETH, N. J.—John Kenna, aged 75, an expert landscape gardener, died here July 11. He was a native of Ireland and had resided here 36 years. His death was caused by inflammatory rheumatism. He leaves a widow.

Stuttle's Patent Pipe Clamp



Especially adapted for joining old boiler tubes now so generally used in hot-water heating of greenhouses. Also it is invaluable for utilizing old cast-iron pipes which otherwise would be consigned to junk pile.

Easy to put on in any position and even more easily removed.
Cheap as the cheapest joint in use and 100 per cent superior.



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Inventor and Patentee.

BATAVIA, - ILL.

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They remove the water of condensation from the steam heating system and return it to the boilers without loss of heat. Improve the circuation of the steam and increase the radiating power of the system. You can keep your boilers on the ground level and have perfect circulation by their use. **Send for Booklet.**

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This is the British Trade Paper, being read weekly by all the Horticultural traders; it is also taken by over 1000 of the best continental houses. Annual subscription to cover cost of postage 75c; Money orders payable at Lowdham, Notts.

Address **Editors of "H. A."**
Chilwell Nurseries, LOWDHAM, Notts, England

Le Journal des Roses

Organ of the French Rosarians.

Published at Paris. Once a month with colored plates.

Subscription $2.70 per year. Sample copies free

ADMINISTRATION DU **JOURNAL DES ROSES**
a SUISNES, Brie
Par Grisy-Suisnes. (Seine et Marne), FRANCE.

KINGSTON, N. Y.—Wm. Williams of Goshen has purchased the greenhouses and business of Chas. B. Stow at 301-308 Broadway.

PEORIA, ILL.—The late James Cole, Sr., in his will left the bulk of his very large property to his two favorite sons, a third, Joseph Cole, having been disinherited owing to family troubles years ago.

DULUTH, MINN.—H. C. Eischen has been called to California by the serious illness of his father.

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with and putty, Lasts longer than putty. Easy to apply.

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USE IT NOW.

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STENZEL GLASS CO.

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— Specialists in —

GREENHOUSE GLASS

in carload lots or less direct from factory.

NO HANDLING. NO BREAKAGE.

Holds Glass Firmly

See the Point

PEERLESS

Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.

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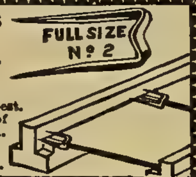

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Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes ⅝ and ⅞. 40c per lb., by mail 16c extra; 7 lbs. for $2.50 15 lbs. for $5.00 by express. For sale by the trade

RANDOLPH & McCLEMENTS, Successors to Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.

Lock the door before the horse is stolen, and insure your glass before it is broken.

For particulars concerning Hail Insurance, address

JOHN G. ESLER, Secretary, SADDLE RIVER, N. J.

Omaha.

SWEET PEAS SCARCE.

After a cool and rainy June the good old summer time has set in and dull business prevails. Good roses have been scarce for the last four weeks. Most of the growers have replaced the old roses with young plants and new stock will soon make its appearance. Carnations keep up pretty well and good stock can be had right along. Outdoor stock has suffered, especially sweet peas; good sweet peas are a rarety in this vicinity. Asters are coming in now and they will be welcome.

NOTES.

Herman Bros. of Council Bluffs, Ia., have finished their new range of houses and are busy planting. They have put up 23.000 square feet of glass which gives them now 50,000 square feet, all up-to-date houses.

Hess & Swoboda are about to erect a store building and packing room combined with a good large cellar for their cut flowers.

The Florists' Club will hold its annual picnic July 23 at Krugs park and a good time is promised.

J. C. Vaughan, Chicago, called on us on his way home from the Denver convention.

Chas. McAniff of Des Moines, Ia., spent a day here recently.

GRIPPE.

Cypress Hot Bed Sash, 90c

This Hot Bed Sash is absolutely brand new and first-class in every particular. We bough 5000 of them at a sale and give you the benefit of our low purchasing price. This sash is 3x6 ft. 1¾ in. thick, 4 rows 7-in. glass, dozen lots, 90c each. When ordered in single lots, 95c each.

We can also furnish glazed sash $1.60 each, in dozen lots, or $1.65 each in single lots.

We offer 2,000 **Western Pine Hot Bed Sash**, brand new, unglazed, in single lots, at 90c., or in lots of one dozen, each, 85c. Glazed, in single lots, $1.60; dozen lots, $1.55.

5,000 ft. of 3-4 in. GARDEN HOSE 4c per ft. Brand new **"Competition" Garden Hose**, size ¾-in., 50 ft. lengths with couplings, per length, $2.00. Standard grade guaranteed **Rubber Garden Hose**, ¾-in., 50 ft. lengths with couplings 3-ply, per ft., 7c; 4-ply, per ft., 9c; 5 ply, per ft., 10c, **Lawn Sprinklers**, 25c, **Hose Reels**, 75c.

PIPE 100,000 ft Standard Pipe in good condition. We cut and thread to order. Write for special list.

BOILER FLUES With special threads and couplings. Can be used same as threaded pipe with calked joint greenhouse fittings at the end of run. Same strength as wrought iron pipe at half the price. All sizes.

BOILER TUBES 10 carloads of 4-in. Boiler Tubes in good condition. Just the thing for heating or re-tubing boilers. Other sizes at special prices. Send for complete list.

GREENHOUSE BOILERS Complete line of Locomotive Fire Box Boilers Kroeschell Greenhouse Boilers, Return Flue Boilers, Cast Iron Sectional Boilers, etc.

HARDWARE Everything in the line of Building Hardware, Wire and Wire Fencing, Bolts, Hatchets, Hammers, Axes—everything needed in the home, the field or the greenhouse.

PAPER FLOWER POTS Just the thing for shipping. We will close out 500,000 of these at very low prices. Write for quotations.

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HOOKER'S Pure Greenhouse White Paint

White as Snow. Ready for Use. Tough as Leather

Half Barrels (25 Gals.) per gal., $1.32. 5 Gal. Buckets, per gal., $1.35,

HOOKER'S Superfine Greenhouse Putty

Absolutely Pure Linseed Oil and Imported Whiting with no adulteration whatever.

In 100-lb. tin lined tubs......$2.75 per 100 lbs.

In 100-lb. common tubs..... 2.25 per 100 lbs.

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MANUFACTURERS
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— MAKER OF —
Artificial Flowers,
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A. HERRMANN,
Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florists' Supplies.
SEND FOR PRICES.
404-412 East 34th St., NEW YORK.

Wired Toothpicks
10,000, $1.75; 50,000, $7.50. Manufactured by
W. J. COWEE, BERLIN, N. Y.
Sample free. For sale by dealers.

Louisville.

TRADE FAIR.

Business conditions the past week were fair, considering the season. Roses are obtainable in large quantities and are of good quality. The demand has been fair. Carnations are very small but have a fair demand, the supply being good. Sweet peas are about burned out, and the season has been a very poor one for them. Daisies have had a fair demand, the quality being good. Other stock is in satisfactory supply, with some demand.

F. L. S.

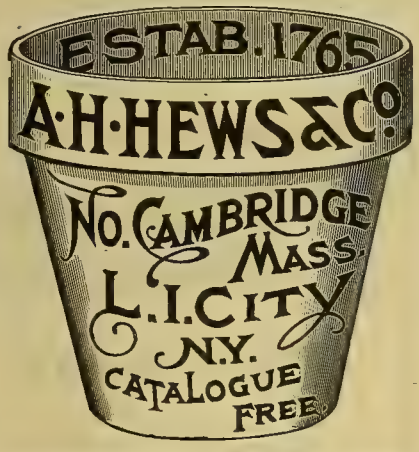
St Paul.

Holm & Olson had a very fine window display during the Shriners' meeting, a desert scene with the vegetation of that region, agaves, aloes, cacti, etc., and a number of camels going in the direction of a brook in which rippled the effervescent waters of France and California. This fine store is apparently doing a very prosperous business.

Mrs. Aug. Swanson has been very busy of late and expects soon to take a much needed vacation.

THE KELLER POTTERY COMPANY,
Manufacturers of FLORISTS' RED STANDARD POTS.
Azalea Pots, Bulb and Fern Pans, Etc.
Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

The Ionia Pot is the Best Pot.
That's the reason why it was necessary to double our capacity in 1907 to take care of the trade of 1908. Our factory equipment is the best. Our output is the largest.
Hand your next season's order to Uncle Sam today. Our invoice will be in your hands on his return trip.
IONIA POTTERY COMPANY, Ionia, Mich.



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Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2-in., in crate,	$4.88	120 7-in., in crate,	$4.20
1500 2¼ "	5.25	60-8 "	3.00
1500 2½ "	6.00	HAND MADE.	
1000 3 "	5.00	48 9-in., in crate,	$3.60
800 3½ "	5.80	48 10 "	4.80
500 4 "	4.50	24 11 "	3.60
320 5 "	4.51	24 12 "	4.80
144 6 "	3.16	12 14 "	4.80
		6 16 "	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent off for cash with order. Address
HILFINGER BROS. POTTERY, Fort Edward, N.Y.
or AUGUST ROLKER & SONS, New York Agents
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For Sale by Wholesale Seedsmen, Florists and Supply Dealers.
Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.
I. N. Kramer & Son, CEDAR RAPIDS, IOWA.

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THE ALLIED TRADES

Durability of Cypress.

During the present excavations throughout the older portion of New Orleans, for the new sewer system, quite a number of unknown or forgotten burial grounds have been traversed and many coffins, constructed of cypress, in a perfectly sound condition, have been unearthed. Some of these, from the coins and buttons found, undoubtedly contained the remains of Spanish soldiers, but until July 8 no coffin had been found bearing a date or other means of identification. It so happens that nearly all coffins contained metal name plates and those found were so badly corroded that nothing could be deciphered. On July 8, during excavations at St. Louis and Basin streets, a coffin was brought to light which contained the inscription, "Hendric Miller, 1803," carved in the wood. This coffin, except for the discoloration of the wood, was as sound as the day it was made.

The interest in this centers in the oft repeated story of the durability of cypress and the fact that the hand forged nails, of which the coffin was constructed, were not rusted where they were driven into the wood. These facts should set at rest the theory sometimes advanced, that cypress contains an acid which will rust nails, making the wood unfit for shingles or other outdoor uses.

Greenhouse Heating.

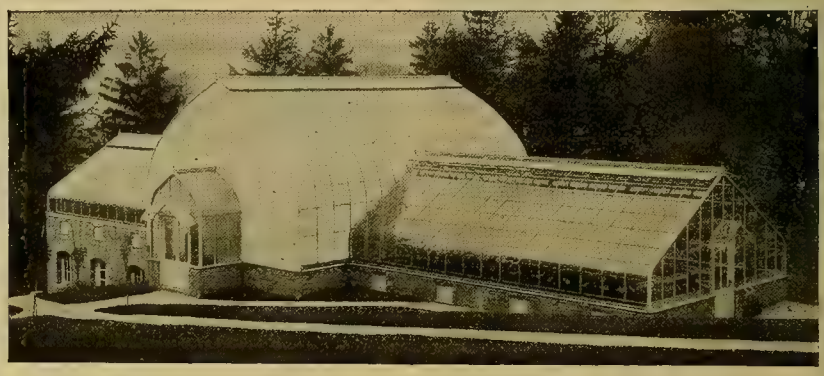
ED. AMERICAN FLORIST:—

I have a greenhouse 11x55 feet which I wish to heat with hot water. The sides are 2½ feet high, with double glass and concrete walls. Kindly tell me what size flow and return pipes to use and how many. I want the return pipes under each bench and wish to maintain a temperature of 65° in zero weather.

W. J. L.

Just how much of the walls consists of glass is not stated, but at the most it cannot be more than 30 inches, and for that area there should be no difficulty about heating the house with hot water, using two 2½-inch flow pipes and ten 2-inch returns. If the house is somewhat protected only nine returns would be needed.

L. R. T.



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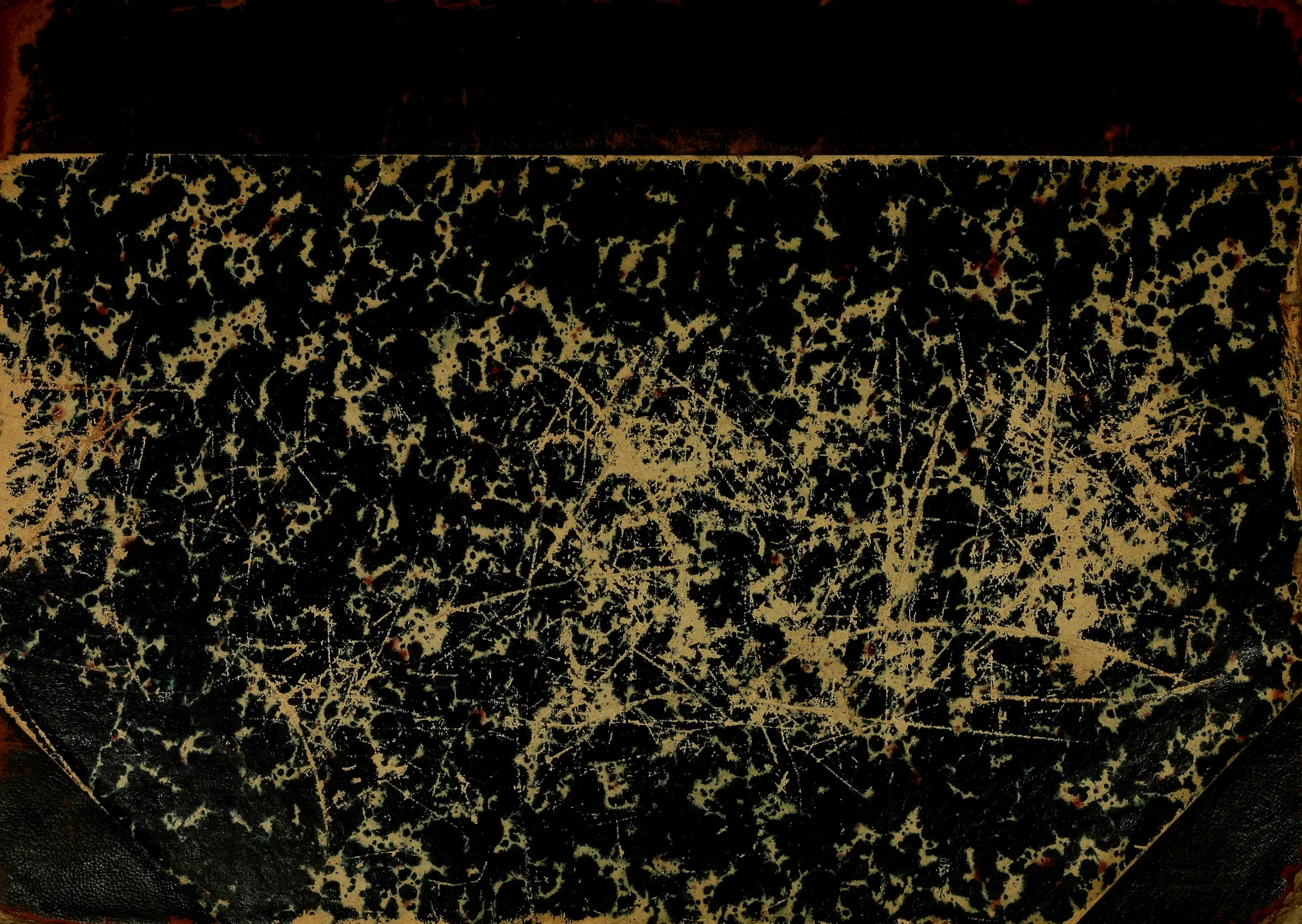
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